

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

Ent 103145 Bk 894 Pg 92 - 104  
Date: 29-MAY-2008 2:49PM  
Fee: None  
Filed By: LCJ  
LOUISE JONES, Recorder  
SAN JUAN COUNTY CORPORATION  
For: GOVERNOR 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over public lands, not reserved for public uses” under United States Revised Statutes 2477 (43 U.S.C. Section 932 (repealed October 21, 1976, with proviso recognizing the validity of rights-of-way already established)) was accepted for and on behalf of the State of Utah and its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 San Juan County as it pertains to the highway located in San Juan County known as BLACK MESA ROAD; County Road Number: B233; State Geographic Information Database (SGID) Road Identification Number: RD190218. Total road length is 16.21 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.

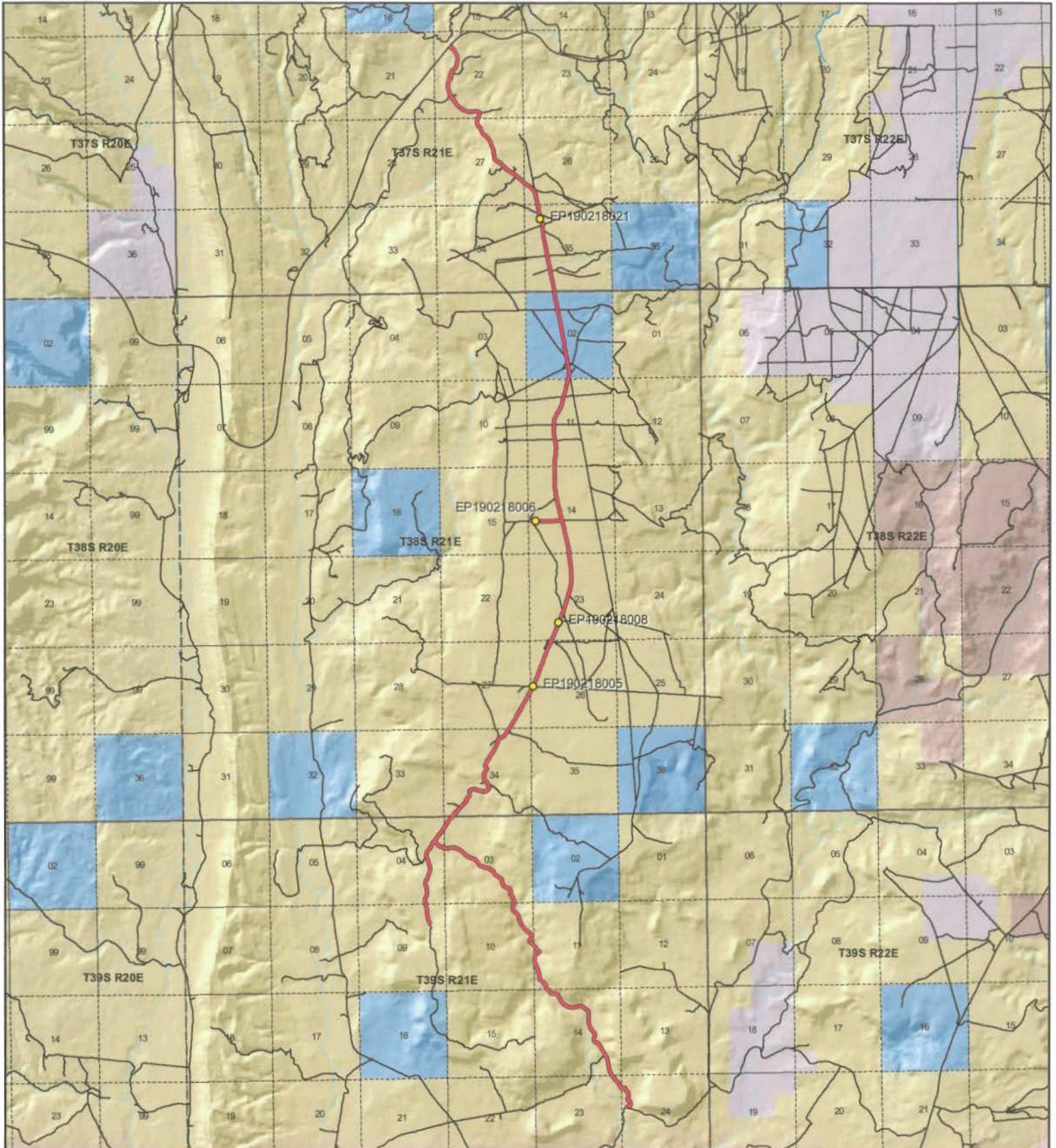
A printed copy of a map showing the location of the road in said county is appended hereto as “Attachment 1,” a printed copy of representative photos of the road is appended hereto as “Attachment 2,” a printed copy of a description of the beginning and ending points of the entire road together with a 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



Attachment 1



**BLACK MESA ROAD - San Juan County**  
**SGID RD\_ID RD190218**

**Land Ownership Categories**

- BLM
- Private
- SITLA, State Trust Land
- USFS, National Forest
- State Parks and Recreation
- Tribal, Indian Reservation
- NPS, National Park
- ◆ Wilderness
- ◆ UDWR Wildlife Reserve
- ◆ DOD, Military
- ◆ State Sovereign Land
- ◆ National Recreation Area
- ◆ USFWS, Natl. Wildlife Refuge

**Transportation Network**

- BLACK MESA ROAD
- Title V; Issued Or Under Consideration By BLM Or County
- Other Roads
- Photo Event Point
- Section = 1 Mile



1:94,798

1 inch equals 1.5 miles



Map prepared by the State of Utah  
 Automated Geographic Reference Center  
 Room 5130 State Office Building  
 Salt Lake City, Utah 84114  
 Apr 08, 2008





EP190218006



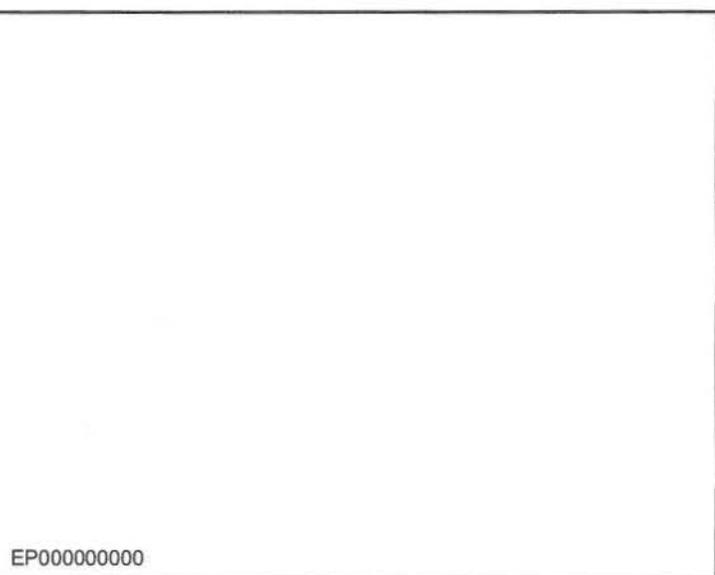
EP190218008



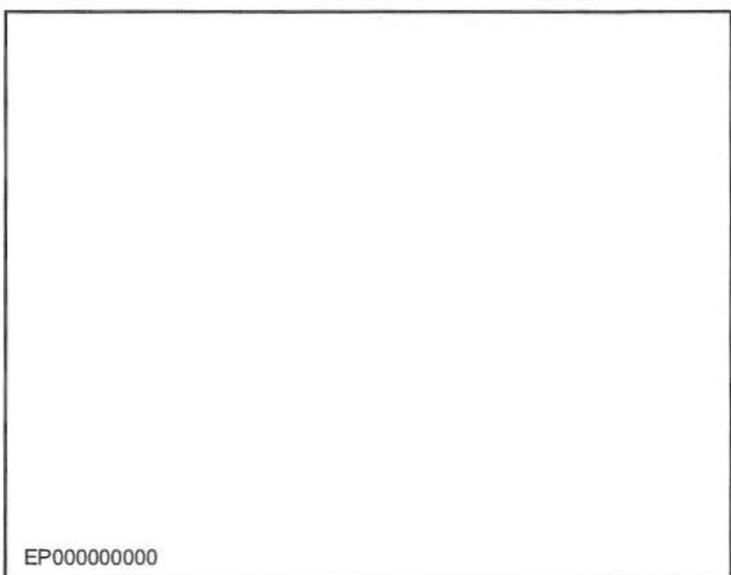
EP190218005



EP190218021



EP000000000



EP000000000

**BLACK MESA ROAD - San Juan County**  
**SGID RD\_ID RD190218**

Map prepared by the State of Utah  
Automated Geographic Reference Center  
Room 5130 State Office Building  
Salt Lake City, Utah 84114  
April 11, 2008



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

**Popular Name: BLACK MESA ROAD**

**County: San Juan**

**County Road Number: B233**

**State Geographic Information Database (SGID) Road Identification Number: RD190218.**

**Total Road Length: 16.21 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>
<b>RD190218</b>	<b>001</b>	<b>BLM</b>	<b>4.4 Miles</b>	<b>A</b>
<b>RD190218</b>	<b>002</b>	<b>BLM</b>	<b>1.04 Miles</b>	<b>B</b>
<b>RD190218</b>	<b>003</b>	<b>BLM</b>	<b>4.31 Miles</b>	<b>C</b>
<b>RD190218</b>	<b>004</b>	<b>BLM</b>	<b>0.38 Miles</b>	<b>D</b>
<b>RD190218</b>	<b>005</b>	<b>BLM</b>	<b>1.68 Miles</b>	<b>E</b>
<b>RD190218</b>	<b>006</b>	<b>ST</b>	<b>1.03 Miles</b>	<b>(not shown)</b>
<b>RD190218</b>	<b>007</b>	<b>BLM</b>	<b>3.39 Miles</b>	<b>F</b>
		<b>Total Road Length</b>	<b>16.21</b>	<b>_____</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 3

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

**Popular Name: BLACK MESA ROAD**

**County: San Juan**

**County Road Number: B233**

**State Geographic Information Database (SGID) Road Identification Number: RD190218.**

**Total Road Length: 16.21 miles more or less.**

**Beginning at a point** on the road centerline located at 37 degrees 23 minutes 01.13 seconds North Latitude and -109 degrees 33 minutes 56.86 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,202,362.8 feet and Y = 10,109,376.7 feet based on the US Survey Foot conversion.

**Ending at a point** on the road centerline located at 37 degrees 33 minutes 038.2 seconds North Latitude and -109 degrees 35 minutes 058.3 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,191,254.5 feet and Y = 10,173,597.4 feet based on the US Survey Foot conversion.

This road may traverse:

Township 37 South Range 21 East, Section(s) 22,26,27,35, Salt Lake Base & Meridian  
Township 38 South Range 21 East, Section(s) 2,11,14,23,26,27,34, Salt Lake Base & Meridian  
Township 39 South Range 21 East, Section(s) 3,4,9,10,11,14,23,24, Salt Lake Base & Meridian  
See Attachment 1 above for a cartographic depiction of the course of this road.

**Attachment 5**

**AFFIDAVIT OF LYNN L. ADAMS**

**BLACK MESA ROAD**

**SAN JUAN COUNTY, UTAH**

**COUNTY ROAD NUMBER B233**

State of Utah                    )  
                                          : ss  
County of San Juan            )

Lynn L. Adams, 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 San Juan County, Utah. I have lived in San Juan County for 82 years. I worked for the San Juan County Roads Department from 1961 to 1987.

2. I have traveled and am familiar with a road in San Juan County known as Black Mesa Road. I am also familiar with the land the road traverses. When I first used and observed the road in 1948, it followed the same route as in 1997, when I last observed it. Attached is a San Juan County map showing Black Mesa 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. I am informed that the County identifies this road according to the road number described 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 1948 and continuing through 1976 to 1997. Throughout this time period I have observed travel on the road by various means, including: car, truck, pickup, motorcycle, and ATV. Throughout this time period, the road has been used

weekly, weather permitting, for more than 10 continuous years prior to 1976 and was used weekly, weather permitting, in 1997.

5. Throughout the time period from 1948 to 1997, I have used the road myself for the following uses: livestock operations.

6. 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 the following uses: hunting, army base access, camping, mineral prospecting, wood gathering, and oil and gas exploration.

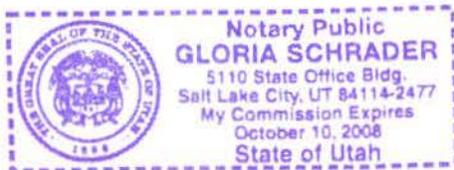
7. It is also the reputation in the community that this road has been open to the public for all to use, to come and go as they pleased, since at least as early as the late 1930s and continuing through 1976 to the present, for the uses described in the previous paragraphs.

8. I observed graders performing maintenance activities prior to 1976.

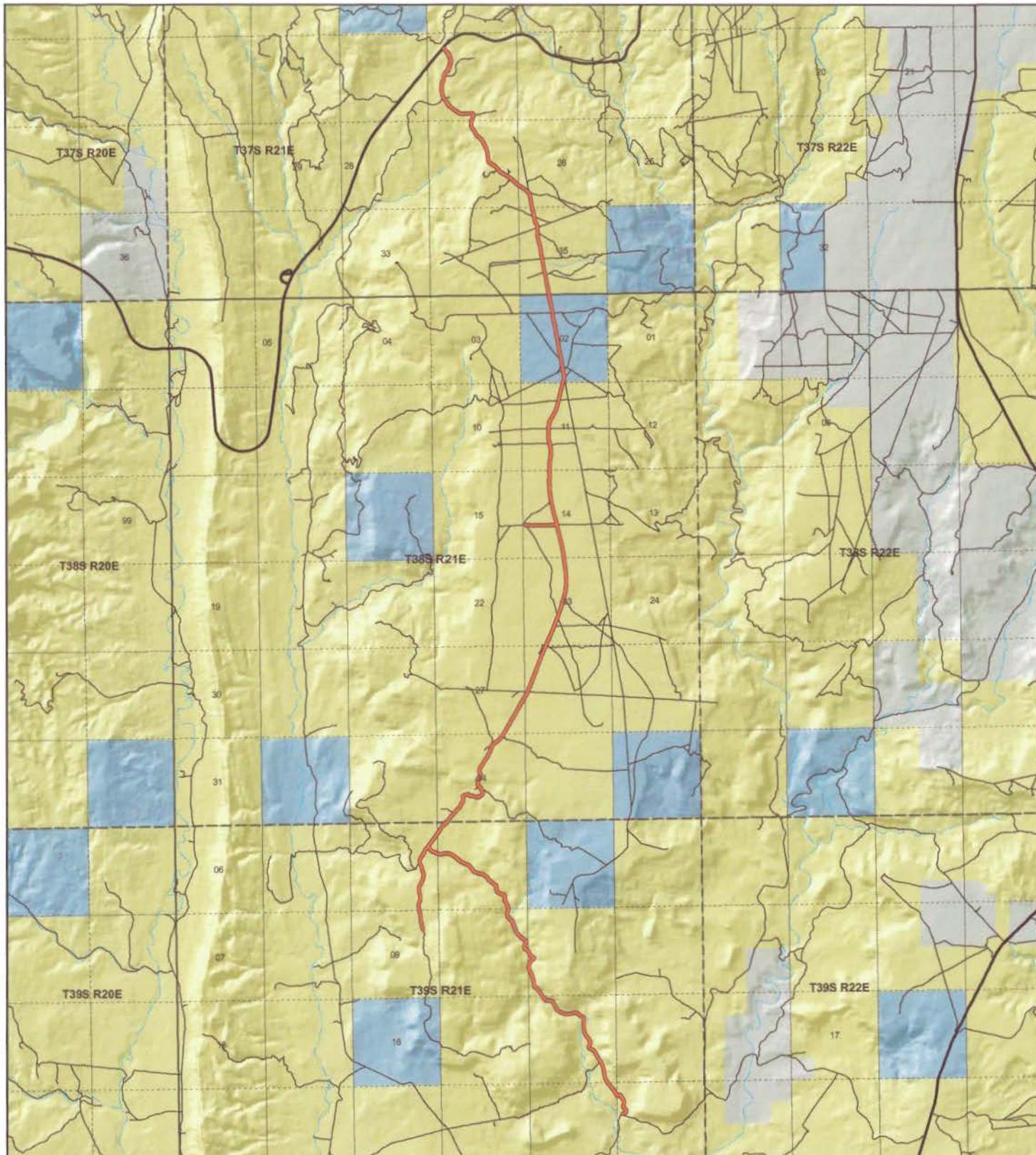
Dated this 17 day of September, 2007.

  
\_\_\_\_\_  
Lynn L. Adams

SUBSCRIBED AND SWORN TO before me this 17<sup>th</sup> day of September, 2007.



  
\_\_\_\_\_  
Notary Public



**BLACK MESA**  
County Unique - B233

**Land Ownership Categories**

- BLM
- US Forest Service
- Private
- State Lands
- National Parks & Monuments (NPS)
- Wilderness
- National Recreation Area
- State Parks
- Tribal Lands

**Transportation Network**

- BLACK MESA
- State / U.S. Highway
- Local Roads

**Misc**

- City / Town
- Municipalities
- Section = 1 Mile



1:93,197  
1 inch equals 1.5 miles  
Jul 27, 2007

**AFFIDAVIT OF WILLIAM B. REDD**

**BLACK MESA ROAD**

**SAN JUAN COUNTY, UTAH**

**COUNTY ROAD NUMBER B233**

State of Utah                    )  
                                          : ss  
County of San Juan            )

William B. Redd, 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 San Juan County, Utah. I have lived in San Juan County since 1941.

2. I have traveled and am familiar with a road in San Juan County known as Black Mesa 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 San Juan County map showing Black Mesa 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. I am informed that the County identifies this road according to the road number described 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 1976 to 2007. Throughout this time period I have observed travel on the road by various means, including automobile, American and German military vehicle, pickup, jeep, grader, drilling

equipment, cattle truck and horse. Throughout this time period, the road has been used monthly for more than 10 continuous years prior to 1976, and is presently used weekly.

5. Throughout the time period from the early 1960s to 2007, I have used the road myself for the following uses: mining and hunting.

6. 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 the following uses: government access, livestock operations, road maintenance and military uses.

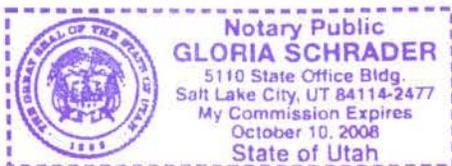
7. It is also the reputation in the community that this road has been open to the public for all to use, to come and go as they pleased, since at least as early as sometime before 1952 and continuing through 1976 to the present, for the uses described in the previous paragraphs.

8. I observed the following evidence of construction and maintenance performed on the road prior to 1976: graded surfaces, gravel, cattle guards and cuts and fills.

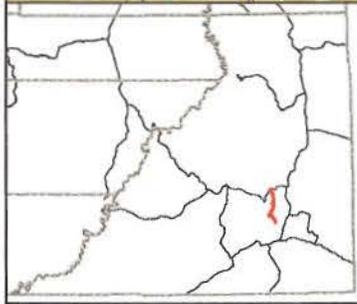
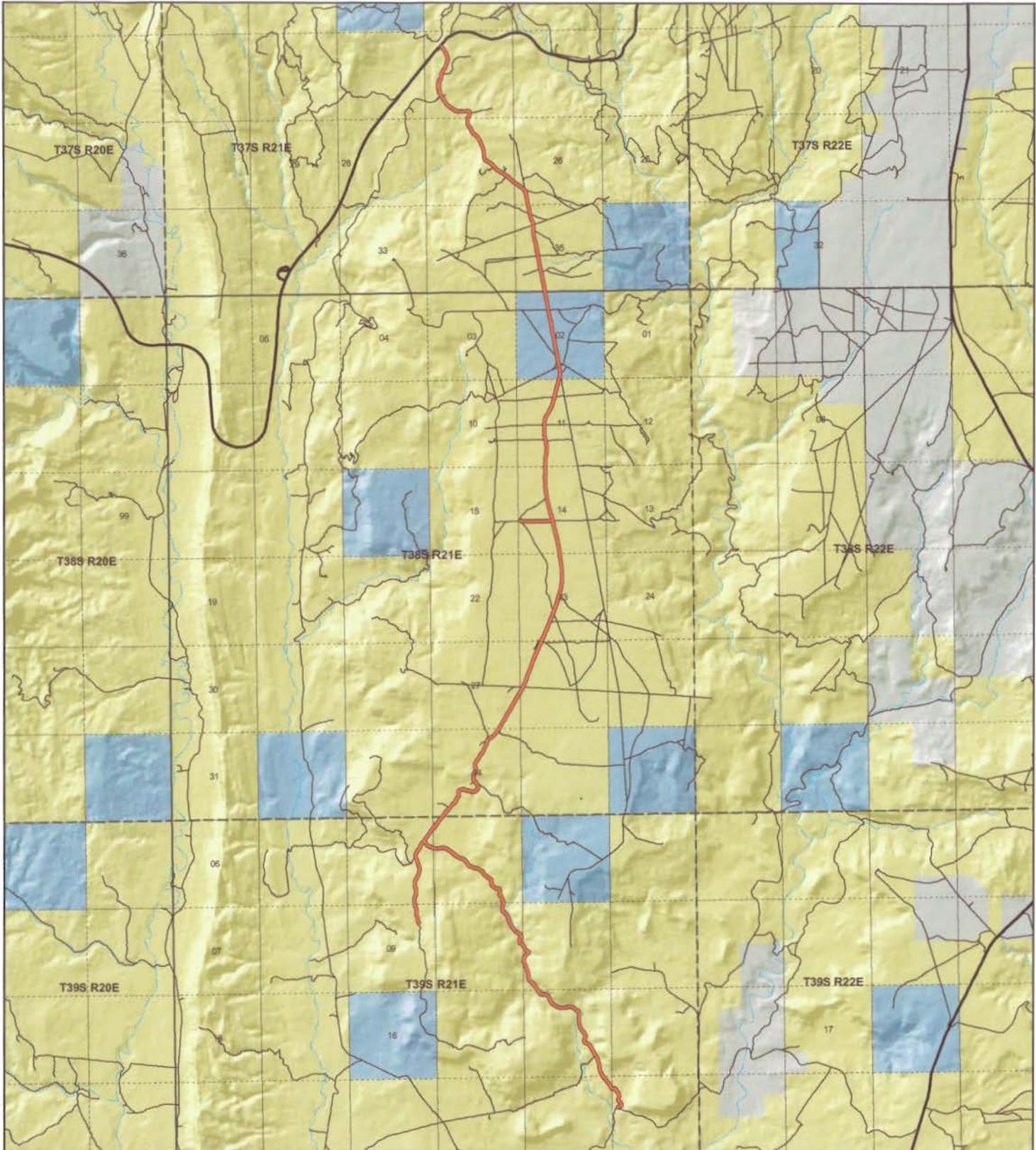
Dated this 17 day of September, 2007.

William B. Redd  
William B. Redd

SUBSCRIBED AND SWORN TO before me this 17th day of September, 2007.



Gloria Schrader  
Notary Public



**BLACK MESA**  
County Unique - B233

**Land Ownership Categories**

- BLM
- US Forest Service
- Private
- State Lands
- National Parks & Monuments (NPS)
- Wilderness
- National Recreation Area
- State Parks
- Tribal Lands

**Transportation Network**

- BLACK MESA
- State / U.S. Highway
- Local Roads

**Misc**

- City / Town
- Municipalities
- Section = 1 Mile



1:93,197  
1 inch equals 1.5 miles  
Jul 27, 2007

## Appendix A to Attachment 4

**Popular Name: BLACK MESA ROAD**

**County: San Juan**

**County Road Number: B233**

**State Geographic Information Database (SGID) Road Identification Number: RD190218.**

**Road-Segment Number: 001**

**Road-Segment Length: 4.4 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 39 South Range 21 East, Section(s) 3,4,10,11,14,23,24, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA ROAD)-- Segment 001 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 23 minutes 01.13 seconds North Latitude and -109 degrees 33 minutes 56.86 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,202,362.8 feet and Y = 10,109,376.7 feet; thence the following courses along the said road center line:

thence North 05 Degrees 41 Minutes 41 Seconds East	18.8 feet
thence North 14 Degrees 27 Minutes 37 Seconds East	30.9 feet
thence North 35 Degrees 09 Minutes 56 Seconds East	37.9 feet
thence North 65 Degrees 35 Minutes 54 Seconds East	30.6 feet
thence North 70 Degrees 14 Minutes 44 Seconds East	47.3 feet
thence North 68 Degrees 13 Minutes 05 Seconds East	62.8 feet
thence North 51 Degrees 56 Minutes 20 Seconds East	38.6 feet
thence North 52 Degrees 22 Minutes 54 Seconds East	26 feet
thence North 20 Degrees 43 Minutes 24 Seconds East	45.7 feet
thence North 00 Degrees 23 Minutes 51 Seconds East	52.8 feet
thence North 12 Degrees 30 Minutes 52 Seconds West	49.7 feet

thence North 27 Degrees 38 Minutes 47 Seconds West 32.9 feet  
thence North 43 Degrees 20 Minutes 21 Seconds West 26.9 feet  
thence North 46 Degrees 31 Minutes 58 Seconds West 32.7 feet  
thence North 50 Degrees 39 Minutes 25 Seconds West 32.4 feet  
thence North 56 Degrees 09 Minutes 16 Seconds West 11.1 feet  
thence North 60 Degrees 49 Minutes 09 Seconds West 74.6 feet  
thence North 06 Degrees 58 Minutes 50 Seconds West 25.4 feet  
thence North 02 Degrees 36 Minutes 17 Seconds West 8.2 feet  
thence North 15 Degrees 37 Minutes 51 Seconds West 53.4 feet  
thence North 26 Degrees 08 Minutes 06 Seconds West 11.3 feet  
thence North 03 Degrees 36 Minutes 14 Seconds East 24 feet  
thence North 23 Degrees 29 Minutes 30 Seconds East 36.6 feet  
thence North 25 Degrees 16 Minutes 47 Seconds East 43.3 feet  
thence North 20 Degrees 11 Minutes 27 Seconds East 43.1 feet  
thence North 12 Degrees 21 Minutes 58 Seconds East 26.9 feet  
thence North 04 Degrees 13 Minutes 25 Seconds East 20.7 feet  
thence North 06 Degrees 52 Minutes 15 Seconds West 28.7 feet  
thence North 05 Degrees 18 Minutes 28 Seconds West 33.9 feet  
thence North 09 Degrees 26 Minutes 39 Seconds West 37.2 feet  
thence North 15 Degrees 55 Minutes 05 Seconds West 37.8 feet  
thence North 17 Degrees 52 Minutes 03 Seconds West 33.7 feet  
thence North 18 Degrees 32 Minutes 21 Seconds West 28.3 feet  
thence North 14 Degrees 21 Minutes 01 Seconds West 4.1 feet  
thence North 20 Degrees 24 Minutes 33 Seconds West 14.3 feet  
thence North 26 Degrees 14 Minutes 20 Seconds West 26.3 feet  
thence North 36 Degrees 55 Minutes 16 Seconds West 14.3 feet  
thence North 47 Degrees 29 Minutes 19 Seconds West 18.3 feet  
thence North 54 Degrees 32 Minutes 38 Seconds West 37.6 feet  
thence North 51 Degrees 17 Minutes 40 Seconds West 49 feet  
thence North 37 Degrees 36 Minutes 07 Seconds West 45 feet  
thence North 09 Degrees 37 Minutes 52 Seconds West 42.6 feet  
thence North 05 Degrees 54 Minutes 04 Seconds West 30.3 feet  
thence North 18 Degrees 57 Minutes 49 Seconds West 27.7 feet  
thence North 42 Degrees 54 Minutes 29 Seconds West 27.6 feet  
thence North 59 Degrees 01 Minutes 15 Seconds West 19.6 feet  
thence North 70 Degrees 19 Minutes 51 Seconds West 23 feet  
thence North 82 Degrees 54 Minutes 25 Seconds West 33.1 feet  
thence South 74 Degrees 50 Minutes 25 Seconds West 28.2 feet  
thence South 55 Degrees 10 Minutes 38 Seconds West 12.7 feet  
thence South 49 Degrees 35 Minutes 05 Seconds West 8.2 feet  
thence South 67 Degrees 00 Minutes 19 Seconds West 23.8 feet  
thence North 84 Degrees 29 Minutes 15 Seconds West 48.5 feet  
thence North 61 Degrees 23 Minutes 03 Seconds West 39.5 feet  
thence North 61 Degrees 18 Minutes 51 Seconds West 10 feet  
thence North 51 Degrees 35 Minutes 18 Seconds West 44.6 feet  
thence North 28 Degrees 15 Minutes 25 Seconds West 42.7 feet  
thence North 28 Degrees 03 Minutes 08 Seconds West 43 feet  
thence North 30 Degrees 34 Minutes 13 Seconds West 27.4 feet  
thence North 30 Degrees 55 Minutes 57 Seconds West 18.7 feet

thence North 32 Degrees 55 Minutes 59 Seconds West 19.5 feet  
thence North 31 Degrees 02 Minutes 19 Seconds West 40.5 feet  
thence North 31 Degrees 30 Minutes 52 Seconds West 54.5 feet  
thence North 33 Degrees 38 Minutes 51 Seconds West 58.5 feet  
thence North 40 Degrees 46 Minutes 07 Seconds West 55.6 feet  
thence North 43 Degrees 27 Minutes 59 Seconds West 50.4 feet  
thence North 43 Degrees 14 Minutes 38 Seconds West 57.8 feet  
thence North 42 Degrees 25 Minutes 39 Seconds West 55.3 feet  
thence North 41 Degrees 44 Minutes 15 Seconds West 29.8 feet  
thence North 38 Degrees 58 Minutes 25 Seconds West 31.5 feet  
thence North 40 Degrees 52 Minutes 46 Seconds West 57 feet  
thence North 37 Degrees 37 Minutes 04 Seconds West 43.3 feet  
thence North 36 Degrees 29 Minutes 03 Seconds West 48.4 feet  
thence North 34 Degrees 20 Minutes 46 Seconds West 61 feet  
thence North 35 Degrees 18 Minutes 21 Seconds West 60.1 feet  
thence North 36 Degrees 16 Minutes 39 Seconds West 30.3 feet  
thence North 36 Degrees 16 Minutes 18 Seconds West 31.7 feet  
thence North 34 Degrees 00 Minutes 14 Seconds West 52.1 feet  
thence North 34 Degrees 43 Minutes 21 Seconds West 29 feet  
thence North 33 Degrees 36 Minutes 27 Seconds West 26.3 feet  
thence North 31 Degrees 50 Minutes 27 Seconds West 45.8 feet  
thence North 23 Degrees 24 Minutes 57 Seconds West 51 feet  
thence North 20 Degrees 06 Minutes 01 Seconds West 57.2 feet  
thence North 23 Degrees 08 Minutes 51 Seconds West 47.4 feet  
thence North 22 Degrees 12 Minutes 12 Seconds West 39.6 feet  
thence North 12 Degrees 54 Minutes 06 Seconds West 34.6 feet  
thence North 14 Degrees 11 Minutes 29 Seconds West 28.7 feet  
thence North 14 Degrees 29 Minutes 10 Seconds West 33.5 feet  
thence North 15 Degrees 21 Minutes 37 Seconds West 31.6 feet  
thence North 09 Degrees 03 Minutes 36 Seconds West 30.2 feet  
thence North 07 Degrees 26 Minutes 20 Seconds West 29.1 feet  
thence North 04 Degrees 19 Minutes 05 Seconds West 65.8 feet  
thence North 03 Degrees 19 Minutes 36 Seconds West 18.7 feet  
thence North 05 Degrees 36 Minutes 14 Seconds West 17.8 feet  
thence North 05 Degrees 08 Minutes 39 Seconds West 23.4 feet  
thence North 05 Degrees 15 Minutes 35 Seconds West 34.3 feet  
thence North 13 Degrees 26 Minutes 03 Seconds West 44.8 feet  
thence North 18 Degrees 16 Minutes 24 Seconds West 50 feet  
thence North 17 Degrees 00 Minutes 47 Seconds West 24 feet  
thence North 14 Degrees 31 Minutes 59 Seconds West 7.5 feet  
thence North 21 Degrees 13 Minutes 19 Seconds West 3.1 feet  
thence North 14 Degrees 06 Minutes 48 Seconds West 19.3 feet  
thence North 17 Degrees 40 Minutes 04 Seconds West 33 feet  
thence North 15 Degrees 39 Minutes 17 Seconds West 38.5 feet  
thence North 15 Degrees 27 Minutes 34 Seconds West 45.2 feet  
thence North 15 Degrees 01 Minutes 20 Seconds West 54.3 feet  
thence North 15 Degrees 09 Minutes 03 Seconds West 51.3 feet  
thence North 19 Degrees 27 Minutes 22 Seconds West 42 feet  
thence North 24 Degrees 34 Minutes 04 Seconds West 32.8 feet

thence North 34 Degrees 00 Minutes 14 Seconds West 16.6 feet  
thence North 32 Degrees 08 Minutes 29 Seconds West 11.2 feet  
thence North 31 Degrees 16 Minutes 39 Seconds West 9.6 feet  
thence North 29 Degrees 31 Minutes 59 Seconds West 22.2 feet  
thence North 30 Degrees 20 Minutes 50 Seconds West 24.3 feet  
thence North 30 Degrees 42 Minutes 26 Seconds West 39.6 feet  
thence North 35 Degrees 51 Minutes 05 Seconds West 2.8 feet  
thence North 33 Degrees 52 Minutes 22 Seconds West 39.8 feet  
thence North 34 Degrees 21 Minutes 35 Seconds West 29.3 feet  
thence North 29 Degrees 14 Minutes 25 Seconds West 28.5 feet  
thence North 28 Degrees 36 Minutes 53 Seconds West 9.7 feet  
thence North 24 Degrees 57 Minutes 08 Seconds West 48 feet  
thence North 28 Degrees 36 Minutes 52 Seconds West 4.8 feet  
thence North 33 Degrees 16 Minutes 16 Seconds West 17.8 feet  
thence North 33 Degrees 49 Minutes 02 Seconds West 14 feet  
thence North 34 Degrees 21 Minutes 35 Seconds West 14.7 feet  
thence North 34 Degrees 47 Minutes 35 Seconds West 33 feet  
thence North 30 Degrees 13 Minutes 20 Seconds West 42.8 feet  
thence North 32 Degrees 47 Minutes 06 Seconds West 25.7 feet  
thence North 33 Degrees 25 Minutes 31 Seconds West 36 feet  
thence North 35 Degrees 28 Minutes 05 Seconds West 57 feet  
thence North 34 Degrees 37 Minutes 57 Seconds West 66.4 feet  
thence North 28 Degrees 52 Minutes 36 Seconds West 63.1 feet  
thence North 26 Degrees 12 Minutes 03 Seconds West 49.6 feet  
thence North 30 Degrees 13 Minutes 59 Seconds West 40.1 feet  
thence North 31 Degrees 29 Minutes 56 Seconds West 43.7 feet  
thence North 31 Degrees 51 Minutes 55 Seconds West 43.9 feet  
thence North 29 Degrees 10 Minutes 51 Seconds West 29.2 feet  
thence North 30 Degrees 50 Minutes 37 Seconds West 14.9 feet  
thence North 36 Degrees 25 Minutes 59 Seconds West 30.1 feet  
thence North 40 Degrees 31 Minutes 10 Seconds West 36.1 feet  
thence North 43 Degrees 40 Minutes 38 Seconds West 16.2 feet  
thence North 47 Degrees 12 Minutes 07 Seconds West 21.1 feet  
thence North 53 Degrees 55 Minutes 46 Seconds West 31 feet  
thence North 64 Degrees 28 Minutes 37 Seconds West 34.6 feet  
thence North 65 Degrees 28 Minutes 17 Seconds West 39.1 feet  
thence North 63 Degrees 22 Minutes 49 Seconds West 45.6 feet  
thence North 72 Degrees 39 Minutes 49 Seconds West 37.9 feet  
thence North 67 Degrees 11 Minutes 14 Seconds West 34.3 feet  
thence North 55 Degrees 29 Minutes 21 Seconds West 27.6 feet  
thence North 46 Degrees 22 Minutes 53 Seconds West 37.4 feet  
thence North 28 Degrees 02 Minutes 31 Seconds West 57.8 feet  
thence North 07 Degrees 14 Minutes 06 Seconds West 57.2 feet  
thence North 18 Degrees 22 Minutes 37 Seconds East 69.6 feet  
thence North 22 Degrees 44 Minutes 33 Seconds East 69.5 feet  
thence North 19 Degrees 38 Minutes 30 Seconds East 58.6 feet  
thence North 17 Degrees 29 Minutes 29 Seconds East 47.2 feet  
thence North 07 Degrees 32 Minutes 21 Seconds East 28.8 feet  
thence North 05 Degrees 50 Minutes 29 Seconds West 10.2 feet

thence North 11 Degrees 37 Minutes 25 Seconds West 6.7 feet  
thence North 18 Degrees 23 Minutes 50 Seconds West 16.9 feet  
thence North 21 Degrees 05 Minutes 55 Seconds West 48.1 feet  
thence North 31 Degrees 06 Minutes 35 Seconds West 57.7 feet  
thence North 34 Degrees 45 Minutes 56 Seconds West 34.2 feet  
thence North 35 Degrees 51 Minutes 05 Seconds West 11.3 feet  
thence North 40 Degrees 24 Minutes 53 Seconds West 16.3 feet  
thence North 41 Degrees 21 Minutes 34 Seconds West 50.5 feet  
thence North 36 Degrees 14 Minutes 32 Seconds West 55.9 feet  
thence North 35 Degrees 25 Minutes 33 Seconds West 51.3 feet  
thence North 35 Degrees 51 Minutes 05 Seconds West 39.5 feet  
thence North 36 Degrees 17 Minutes 10 Seconds West 25.1 feet  
thence North 36 Degrees 22 Minutes 27 Seconds West 41.8 feet  
thence North 39 Degrees 22 Minutes 56 Seconds West 35.9 feet  
thence North 39 Degrees 05 Minutes 16 Seconds West 25.7 feet  
thence North 32 Degrees 54 Minutes 08 Seconds West 61.5 feet  
thence North 23 Degrees 07 Minutes 24 Seconds West 76.2 feet  
thence North 16 Degrees 09 Minutes 24 Seconds West 75.7 feet  
thence North 10 Degrees 45 Minutes 28 Seconds West 72.4 feet  
thence North 02 Degrees 45 Minutes 52 Seconds West 84.4 feet  
thence North 02 Degrees 01 Minutes 02 Seconds West 88.3 feet  
thence North 04 Degrees 09 Minutes 22 Seconds West 88.1 feet  
thence North 02 Degrees 56 Minutes 10 Seconds West 86.1 feet  
thence North 00 Degrees 45 Minutes 07 Seconds East 70.6 feet  
thence North 05 Degrees 21 Minutes 55 Seconds East 59.7 feet  
thence North 03 Degrees 06 Minutes 09 Seconds East 44 feet  
thence North 00 Degrees 26 Minutes 24 Seconds East 24.9 feet  
thence North 00 Degrees 18 Minutes 49 Seconds West 24.9 feet  
thence North 02 Degrees 26 Minutes 05 Seconds West 26.6 feet  
thence North 04 Degrees 00 Minutes 18 Seconds West 30.6 feet  
thence North 06 Degrees 21 Minutes 05 Seconds West 34.3 feet  
thence North 13 Degrees 57 Minutes 24 Seconds West 34.8 feet  
thence North 21 Degrees 46 Minutes 36 Seconds West 41.3 feet  
thence North 25 Degrees 46 Minutes 37 Seconds West 45.8 feet  
thence North 44 Degrees 58 Minutes 57 Seconds West 40.1 feet  
thence North 61 Degrees 19 Minutes 04 Seconds West 31.1 feet  
thence North 63 Degrees 44 Minutes 55 Seconds West 8.1 feet  
thence North 56 Degrees 52 Minutes 26 Seconds West 41.7 feet  
thence North 54 Degrees 37 Minutes 25 Seconds West 28.7 feet  
thence North 54 Degrees 28 Minutes 34 Seconds West 29.1 feet  
thence North 53 Degrees 55 Minutes 46 Seconds West 38.7 feet  
thence North 52 Degrees 45 Minutes 57 Seconds West 55.5 feet  
thence North 54 Degrees 44 Minutes 35 Seconds West 66.6 feet  
thence North 55 Degrees 35 Minutes 05 Seconds West 70.3 feet  
thence North 62 Degrees 11 Minutes 38 Seconds West 70.3 feet  
thence North 77 Degrees 55 Minutes 15 Seconds West 74.9 feet  
thence South 87 Degrees 13 Minutes 13 Seconds West 68.6 feet  
thence South 72 Degrees 13 Minutes 46 Seconds West 54.7 feet  
thence South 75 Degrees 20 Minutes 38 Seconds West 59.6 feet

thence South 75 Degrees 28 Minutes 30 Seconds West 52.1 feet  
thence South 79 Degrees 22 Minutes 52 Seconds West 44 feet  
thence South 81 Degrees 13 Minutes 52 Seconds West 49.1 feet  
thence South 79 Degrees 22 Minutes 52 Seconds West 33 feet  
thence South 83 Degrees 09 Minutes 59 Seconds West 11.6 feet  
thence North 79 Degrees 00 Minutes 13 Seconds West 3.3 feet  
thence South 82 Degrees 33 Minutes 40 Seconds West 5.3 feet  
thence South 87 Degrees 48 Minutes 30 Seconds West 20 feet  
thence South 85 Degrees 34 Minutes 34 Seconds West 54.9 feet  
thence South 80 Degrees 57 Minutes 52 Seconds West 58.4 feet  
thence South 82 Degrees 50 Minutes 36 Seconds West 33 feet  
thence North 88 Degrees 45 Minutes 56 Seconds West 24.3 feet  
thence North 80 Degrees 20 Minutes 43 Seconds West 55 feet  
thence North 75 Degrees 08 Minutes 27 Seconds West 60.2 feet  
thence North 75 Degrees 49 Minutes 55 Seconds West 51.2 feet  
thence North 73 Degrees 24 Minutes 05 Seconds West 50.8 feet  
thence North 66 Degrees 50 Minutes 20 Seconds West 62.6 feet  
thence North 62 Degrees 52 Minutes 43 Seconds West 67.7 feet  
thence North 62 Degrees 01 Minutes 58 Seconds West 63.7 feet  
thence North 58 Degrees 31 Minutes 35 Seconds West 54.8 feet  
thence North 52 Degrees 57 Minutes 51 Seconds West 47.1 feet  
thence North 45 Degrees 18 Minutes 49 Seconds West 37.6 feet  
thence North 42 Degrees 06 Minutes 30 Seconds West 29 feet  
thence North 48 Degrees 21 Minutes 30 Seconds West 43.7 feet  
thence North 43 Degrees 11 Minutes 33 Seconds West 56.4 feet  
thence North 28 Degrees 31 Minutes 26 Seconds West 56.2 feet  
thence North 23 Degrees 05 Minutes 46 Seconds West 53.4 feet  
thence North 22 Degrees 41 Minutes 37 Seconds West 54.3 feet  
thence North 22 Degrees 52 Minutes 50 Seconds West 54.7 feet  
thence North 28 Degrees 28 Minutes 11 Seconds West 52.9 feet  
thence North 32 Degrees 03 Minutes 32 Seconds West 53.6 feet  
thence North 32 Degrees 09 Minutes 09 Seconds West 47.9 feet  
thence North 35 Degrees 29 Minutes 18 Seconds West 42.2 feet  
thence North 34 Degrees 10 Minutes 15 Seconds West 31.2 feet  
thence North 31 Degrees 02 Minutes 57 Seconds West 14.1 feet  
thence North 22 Degrees 06 Minutes 54 Seconds West 10.6 feet  
thence North 33 Degrees 25 Minutes 30 Seconds West 18 feet  
thence North 49 Degrees 22 Minutes 02 Seconds West 29.5 feet  
thence North 60 Degrees 50 Minutes 16 Seconds West 26 feet  
thence North 64 Degrees 38 Minutes 12 Seconds West 18.9 feet  
thence North 66 Degrees 42 Minutes 48 Seconds West 36.9 feet  
thence North 74 Degrees 50 Minutes 43 Seconds West 54.1 feet  
thence North 80 Degrees 58 Minutes 08 Seconds West 52.5 feet  
thence North 84 Degrees 05 Minutes 40 Seconds West 51.5 feet  
thence North 86 Degrees 33 Minutes 18 Seconds West 45.1 feet  
thence North 87 Degrees 08 Minutes 01 Seconds West 11.8 feet  
thence North 88 Degrees 50 Minutes 41 Seconds West 38.4 feet  
thence South 87 Degrees 33 Minutes 54 Seconds West 26.6 feet  
thence North 86 Degrees 04 Minutes 38 Seconds West 35.5 feet

thence North 64 Degrees 11 Minutes 27 Seconds West 38 feet  
thence North 47 Degrees 14 Minutes 39 Seconds West 41.3 feet  
thence North 30 Degrees 28 Minutes 05 Seconds West 39.8 feet  
thence North 20 Degrees 43 Minutes 24 Seconds West 30.1 feet  
thence North 25 Degrees 13 Minutes 06 Seconds West 20.3 feet  
thence North 35 Degrees 30 Minutes 08 Seconds West 31.3 feet  
thence North 32 Degrees 23 Minutes 45 Seconds West 25.9 feet  
thence North 36 Degrees 38 Minutes 25 Seconds West 13.8 feet  
thence North 49 Degrees 01 Minutes 44 Seconds West 17.9 feet  
thence North 47 Degrees 52 Minutes 38 Seconds West 15.6 feet  
thence North 44 Degrees 04 Minutes 05 Seconds West 21.4 feet  
thence North 43 Degrees 11 Minutes 33 Seconds West 25.1 feet  
thence North 37 Degrees 05 Minutes 44 Seconds West 12.8 feet  
thence North 37 Degrees 05 Minutes 38 Seconds West 29.4 feet  
thence North 32 Degrees 48 Minutes 36 Seconds West 56.8 feet  
thence North 32 Degrees 36 Minutes 15 Seconds West 55.9 feet  
thence North 25 Degrees 48 Minutes 23 Seconds West 54.9 feet  
thence North 25 Degrees 22 Minutes 32 Seconds West 50.4 feet  
thence North 35 Degrees 59 Minutes 56 Seconds West 44.4 feet  
thence North 36 Degrees 34 Minutes 03 Seconds West 30.5 feet  
thence North 34 Degrees 52 Minutes 34 Seconds West 17.9 feet  
thence North 34 Degrees 17 Minutes 24 Seconds West 18.2 feet  
thence North 35 Degrees 31 Minutes 52 Seconds West 27.3 feet  
thence North 37 Degrees 28 Minutes 41 Seconds West 25.5 feet  
thence North 36 Degrees 48 Minutes 54 Seconds West 20.4 feet  
thence North 35 Degrees 31 Minutes 52 Seconds West 13.7 feet  
thence North 41 Degrees 04 Minutes 38 Seconds West 12.6 feet  
thence North 42 Degrees 53 Minutes 38 Seconds West 16.5 feet  
thence North 38 Degrees 58 Minutes 24 Seconds West 14.7 feet  
thence North 43 Degrees 27 Minutes 57 Seconds West 14.4 feet  
thence North 45 Degrees 18 Minutes 49 Seconds West 23.2 feet  
thence North 49 Degrees 32 Minutes 09 Seconds West 34.7 feet  
thence North 52 Degrees 31 Minutes 40 Seconds West 37 feet  
thence North 53 Degrees 57 Minutes 23 Seconds West 29.3 feet  
thence North 57 Degrees 06 Minutes 25 Seconds West 21.6 feet  
thence North 58 Degrees 02 Minutes 16 Seconds West 51.6 feet  
thence North 54 Degrees 22 Minutes 17 Seconds West 48.6 feet  
thence North 46 Degrees 22 Minutes 28 Seconds West 50.1 feet  
thence North 21 Degrees 43 Minutes 07 Seconds West 44.1 feet  
thence North 01 Degrees 04 Minutes 20 Seconds East 40.7 feet  
thence North 02 Degrees 48 Minutes 05 Seconds East 48.3 feet  
thence North 00 Degrees 55 Minutes 35 Seconds West 61.4 feet  
thence North 00 Degrees 55 Minutes 46 Seconds West 61 feet  
thence North 09 Degrees 14 Minutes 15 Seconds West 40.2 feet  
thence North 14 Degrees 31 Minutes 13 Seconds West 26.7 feet  
thence North 16 Degrees 50 Minutes 54 Seconds West 21.9 feet  
thence North 16 Degrees 34 Minutes 25 Seconds West 16.4 feet  
thence North 13 Degrees 38 Minutes 17 Seconds West 12.8 feet  
thence North 18 Degrees 19 Minutes 04 Seconds West 13.8 feet

thence North 16 Degrees 27 Minutes 28 Seconds West 13 feet  
 thence North 16 Degrees 42 Minutes 11 Seconds West 11.6 feet  
 thence North 15 Degrees 08 Minutes 24 Seconds West 11.5 feet  
 thence North 18 Degrees 44 Minutes 54 Seconds West 9.3 feet  
 thence North 20 Degrees 17 Minutes 48 Seconds West 3.8 feet  
 thence North 12 Degrees 24 Minutes 30 Seconds West 4.7 feet  
 thence North 14 Degrees 49 Minutes 12 Seconds West 4.8 feet  
 thence North 26 Degrees 01 Minutes 24 Seconds West 1 feet  
 thence North 15 Degrees 57 Minutes 21 Seconds West 8.5 feet  
 thence North 19 Degrees 36 Minutes 13 Seconds West 7 feet  
 thence North 29 Degrees 47 Minutes 22 Seconds West 8.7 feet  
 thence North 26 Degrees 52 Minutes 43 Seconds West 8.1 feet  
 thence North 10 Degrees 37 Minutes 06 Seconds West 3.7 feet  
 thence North 17 Degrees 10 Minutes 19 Seconds West 11.3 feet  
 thence North 17 Degrees 50 Minutes 21 Seconds West 13.1 feet  
 thence North 17 Degrees 40 Minutes 03 Seconds West 11 feet  
 thence North 11 Degrees 37 Minutes 24 Seconds West 16.7 feet  
 thence North 20 Degrees 32 Minutes 18 Seconds West 13.3 feet  
 thence North 20 Degrees 32 Minutes 18 Seconds West 13.3 feet  
 thence North 21 Degrees 33 Minutes 50 Seconds West 12.7 feet  
 thence North 21 Degrees 37 Minutes 53 Seconds West 14.4 feet  
 thence North 19 Degrees 06 Minutes 48 Seconds West 16.3 feet  
 thence North 21 Degrees 43 Minutes 35 Seconds West 18 feet  
 thence North 23 Degrees 59 Minutes 44 Seconds West 20.4 feet  
 thence North 19 Degrees 45 Minutes 13 Seconds West 17.7 feet  
 thence North 21 Degrees 45 Minutes 40 Seconds West 9.9 feet  
 thence North 15 Degrees 04 Minutes 34 Seconds West 50.2 feet  
 thence North 16 Degrees 20 Minutes 45 Seconds West 29.7 feet  
 thence North 24 Degrees 02 Minutes 31 Seconds West 32.6 feet  
 thence North 29 Degrees 31 Minutes 29 Seconds West 35 feet  
 thence North 28 Degrees 34 Minutes 39 Seconds West 34.6 feet  
 thence North 26 Degrees 19 Minutes 01 Seconds West 15 feet  
 thence North 24 Degrees 45 Minutes 27 Seconds West 11.9 feet  
 thence North 27 Degrees 34 Minutes 08 Seconds West 24.4 feet  
 thence North 25 Degrees 49 Minutes 38 Seconds West 16 feet  
 thence North 25 Degrees 54 Minutes 56 Seconds West 17.5 feet  
 thence North 23 Degrees 21 Minutes 53 Seconds West 16.8 feet  
 thence North 24 Degrees 06 Minutes 15 Seconds West 33.4 feet  
 thence North 22 Degrees 21 Minutes 34 Seconds West 42.8 feet  
 thence North 21 Degrees 45 Minutes 40 Seconds West 29.6 feet  
 thence North 17 Degrees 41 Minutes 45 Seconds West 39.5 feet  
 thence North 20 Degrees 22 Minutes 10 Seconds West 44 feet  
 thence North 07 Degrees 39 Minutes 57 Seconds West 41 feet  
 thence North 02 Degrees 40 Minutes 36 Seconds East 44 feet  
 thence North 03 Degrees 42 Minutes 52 Seconds East 23.4 feet  
 thence North 07 Degrees 18 Minutes 21 Seconds East 25 feet  
 thence North 09 Degrees 59 Minutes 28 Seconds East 24.6 feet  
 thence North 12 Degrees 58 Minutes 29 Seconds East 29.3 feet  
 thence North 12 Degrees 19 Minutes 42 Seconds East 36 feet

thence North 11 Degrees 22 Minutes 32 Seconds East 38.9 feet  
 thence North 08 Degrees 13 Minutes 01 Seconds East 26.5 feet  
 thence North 09 Degrees 53 Minutes 25 Seconds East 16.7 feet  
 thence North 15 Degrees 37 Minutes 54 Seconds East 9.6 feet  
 thence North 20 Degrees 32 Minutes 27 Seconds East 14.7 feet  
 thence North 28 Degrees 29 Minutes 50 Seconds East 37.4 feet  
 thence North 40 Degrees 56 Minutes 19 Seconds East 53.2 feet  
 thence North 41 Degrees 04 Minutes 40 Seconds East 51.6 feet  
 thence North 46 Degrees 48 Minutes 27 Seconds East 56.4 feet  
 thence North 58 Degrees 17 Minutes 13 Seconds East 59.2 feet  
 thence North 56 Degrees 53 Minutes 12 Seconds East 17.6 feet  
 thence North 47 Degrees 57 Minutes 44 Seconds East 69 feet  
 thence North 39 Degrees 29 Minutes 31 Seconds East 12.8 feet  
 thence North 15 Degrees 37 Minutes 54 Seconds East 23.9 feet  
 thence North 24 Degrees 45 Minutes 27 Seconds West 27.8 feet  
 thence North 51 Degrees 22 Minutes 03 Seconds West 30.8 feet  
 thence North 62 Degrees 36 Minutes 50 Seconds West 29.6 feet  
 thence North 67 Degrees 33 Minutes 45 Seconds West 33.1 feet  
 thence North 61 Degrees 15 Minutes 32 Seconds West 33.8 feet  
 thence North 42 Degrees 41 Minutes 38 Seconds West 35.5 feet  
 thence North 37 Degrees 50 Minutes 31 Seconds West 57.1 feet  
 thence North 36 Degrees 01 Minutes 12 Seconds West 64.7 feet  
 thence North 36 Degrees 35 Minutes 00 Seconds West 62.7 feet  
 thence North 33 Degrees 35 Minutes 18 Seconds West 62.8 feet  
 thence North 32 Degrees 59 Minutes 19 Seconds West 56.5 feet  
 thence North 36 Degrees 32 Minutes 45 Seconds West 47.2 feet  
 thence North 29 Degrees 15 Minutes 52 Seconds West 52.9 feet  
 thence North 40 Degrees 10 Minutes 05 Seconds West 49.2 feet  
 thence North 51 Degrees 15 Minutes 37 Seconds West 44.8 feet  
 thence North 62 Degrees 14 Minutes 27 Seconds West 44.6 feet  
 thence North 66 Degrees 03 Minutes 51 Seconds West 39.9 feet  
 thence North 58 Degrees 21 Minutes 19 Seconds West 42.2 feet  
 thence North 34 Degrees 20 Minutes 28 Seconds West 46.3 feet  
 thence North 03 Degrees 34 Minutes 31 Seconds West 63.4 feet  
 thence North 10 Degrees 54 Minutes 12 Seconds East 79.3 feet  
 thence North 21 Degrees 34 Minutes 26 Seconds East 81 feet  
 thence North 28 Degrees 34 Minutes 23 Seconds East 76.1 feet  
 thence North 28 Degrees 14 Minutes 46 Seconds East 59 feet  
 thence North 05 Degrees 05 Minutes 03 Seconds East 41.9 feet  
 thence North 11 Degrees 37 Minutes 24 Seconds West 25.1 feet  
 thence North 23 Degrees 18 Minutes 07 Seconds West 11.8 feet  
 thence North 22 Degrees 17 Minutes 16 Seconds West 20.2 feet  
 thence North 33 Degrees 35 Minutes 18 Seconds West 37.7 feet  
 thence North 56 Degrees 01 Minutes 35 Seconds West 43.7 feet  
 thence North 60 Degrees 29 Minutes 57 Seconds West 33.7 feet  
 thence North 51 Degrees 29 Minutes 36 Seconds West 36.6 feet  
 thence North 52 Degrees 13 Minutes 28 Seconds West 46.3 feet  
 thence North 49 Degrees 13 Minutes 19 Seconds West 37.4 feet  
 thence North 51 Degrees 33 Minutes 19 Seconds West 29.9 feet

thence North 56 Degrees 09 Minutes 13 Seconds West 22.2 feet  
 thence North 59 Degrees 16 Minutes 18 Seconds West 41.4 feet  
 thence North 59 Degrees 34 Minutes 05 Seconds West 44.3 feet  
 thence North 56 Degrees 11 Minutes 56 Seconds West 49.1 feet  
 thence North 42 Degrees 28 Minutes 00 Seconds West 42 feet  
 thence North 40 Degrees 48 Minutes 30 Seconds West 38.4 feet  
 thence North 46 Degrees 19 Minutes 06 Seconds West 26.5 feet  
 thence North 46 Degrees 51 Minutes 41 Seconds West 25.8 feet  
 thence North 40 Degrees 26 Minutes 22 Seconds West 30 feet  
 thence North 38 Degrees 54 Minutes 32 Seconds West 45.8 feet  
 thence North 41 Degrees 18 Minutes 20 Seconds West 36.5 feet  
 thence North 43 Degrees 52 Minutes 52 Seconds West 18.6 feet  
 thence North 38 Degrees 22 Minutes 44 Seconds West 34.6 feet  
 thence North 31 Degrees 49 Minutes 03 Seconds West 11.9 feet  
 thence North 32 Degrees 40 Minutes 48 Seconds West 27.6 feet  
 thence North 26 Degrees 52 Minutes 42 Seconds West 46.2 feet  
 thence North 23 Degrees 41 Minutes 24 Seconds West 55.4 feet  
 thence North 28 Degrees 57 Minutes 08 Seconds West 52.7 feet  
 thence North 30 Degrees 50 Minutes 06 Seconds West 51 feet  
 thence North 27 Degrees 02 Minutes 43 Seconds West 50.3 feet  
 thence North 25 Degrees 23 Minutes 49 Seconds West 51.1 feet  
 thence North 21 Degrees 11 Minutes 06 Seconds West 48.8 feet  
 thence North 18 Degrees 27 Minutes 58 Seconds West 63.2 feet  
 thence North 15 Degrees 38 Minutes 48 Seconds West 63.3 feet  
 thence North 11 Degrees 14 Minutes 50 Seconds West 58.8 feet  
 thence North 07 Degrees 23 Minutes 48 Seconds West 55.9 feet  
 thence North 16 Degrees 15 Minutes 31 Seconds West 47.8 feet  
 thence North 25 Degrees 08 Minutes 54 Seconds West 43.8 feet  
 thence North 34 Degrees 18 Minutes 10 Seconds West 52.2 feet  
 thence North 39 Degrees 56 Minutes 32 Seconds West 54.5 feet  
 thence North 42 Degrees 27 Minutes 03 Seconds West 46.5 feet  
 thence North 46 Degrees 25 Minutes 20 Seconds West 36 feet  
 thence North 49 Degrees 29 Minutes 53 Seconds West 9.5 feet  
 thence North 55 Degrees 29 Minutes 20 Seconds West 18.4 feet  
 thence North 54 Degrees 19 Minutes 57 Seconds West 29.6 feet  
 thence North 52 Degrees 09 Minutes 22 Seconds West 52.6 feet  
 thence North 48 Degrees 32 Minutes 04 Seconds West 53.7 feet  
 thence North 49 Degrees 58 Minutes 48 Seconds West 45.6 feet  
 thence North 46 Degrees 06 Minutes 32 Seconds West 33.4 feet  
 thence North 39 Degrees 14 Minutes 27 Seconds West 21.9 feet  
 thence North 08 Degrees 50 Minutes 38 Seconds West 13.3 feet  
 thence North 01 Degrees 46 Minutes 55 Seconds West 12.8 feet  
 thence North 01 Degrees 48 Minutes 27 Seconds East 26.6 feet  
 thence North 01 Degrees 37 Minutes 31 Seconds West 43 feet  
 thence North 06 Degrees 48 Minutes 24 Seconds West 40.6 feet  
 thence North 03 Degrees 20 Minutes 54 Seconds East 41.1 feet  
 thence North 10 Degrees 54 Minutes 19 Seconds East 40.5 feet  
 thence North 03 Degrees 57 Minutes 16 Seconds West 36.2 feet  
 thence North 16 Degrees 03 Minutes 52 Seconds West 13.3 feet

thence North 10 Degrees 18 Minutes 22 Seconds East 5.3 feet  
 thence North 39 Degrees 14 Minutes 46 Seconds East 9.8 feet  
 thence North 40 Degrees 22 Minutes 55 Seconds East 21.6 feet  
 thence North 37 Degrees 10 Minutes 45 Seconds East 30.2 feet  
 thence North 32 Degrees 27 Minutes 41 Seconds East 28.5 feet  
 thence North 23 Degrees 35 Minutes 19 Seconds East 31.6 feet  
 thence North 07 Degrees 36 Minutes 26 Seconds East 38.1 feet  
 thence North 05 Degrees 52 Minutes 30 Seconds East 27.4 feet  
 thence North 02 Degrees 04 Minutes 21 Seconds East 23.6 feet  
 thence North 04 Degrees 21 Minutes 28 Seconds West 32.6 feet  
 thence North 09 Degrees 53 Minutes 15 Seconds West 27.6 feet  
 thence North 14 Degrees 20 Minutes 58 Seconds West 24.4 feet  
 thence North 17 Degrees 21 Minutes 44 Seconds West 25.7 feet  
 thence North 21 Degrees 42 Minutes 47 Seconds West 26.1 feet  
 thence North 25 Degrees 53 Minutes 41 Seconds West 34.2 feet  
 thence North 32 Degrees 37 Minutes 58 Seconds West 38.1 feet  
 thence North 32 Degrees 15 Minutes 06 Seconds West 29.8 feet  
 thence North 18 Degrees 44 Minutes 53 Seconds West 44.6 feet  
 thence North 09 Degrees 50 Minutes 47 Seconds West 43.6 feet  
 thence North 09 Degrees 59 Minutes 29 Seconds West 42.9 feet  
 thence North 33 Degrees 31 Minutes 11 Seconds West 43.1 feet  
 thence North 41 Degrees 16 Minutes 32 Seconds West 39.5 feet  
 thence North 44 Degrees 03 Minutes 32 Seconds West 31.8 feet  
 thence North 34 Degrees 57 Minutes 15 Seconds West 21.9 feet  
 thence North 44 Degrees 39 Minutes 17 Seconds West 20.2 feet  
 thence North 45 Degrees 18 Minutes 48 Seconds West 25.5 feet  
 thence North 32 Degrees 02 Minutes 48 Seconds West 29.3 feet  
 thence North 19 Degrees 14 Minutes 16 Seconds West 24.3 feet  
 thence North 04 Degrees 15 Minutes 30 Seconds West 19.1 feet  
 thence North 21 Degrees 09 Minutes 48 Seconds East 21.5 feet  
 thence North 37 Degrees 22 Minutes 51 Seconds East 27.4 feet  
 thence North 27 Degrees 33 Minutes 31 Seconds East 38.6 feet  
 thence North 05 Degrees 38 Minutes 00 Seconds East 31.7 feet  
 thence North 09 Degrees 41 Minutes 07 Seconds West 34.3 feet  
 thence North 13 Degrees 18 Minutes 28 Seconds West 13.1 feet  
 thence North 18 Degrees 41 Minutes 32 Seconds West 106.2 feet  
 thence North 26 Degrees 52 Minutes 42 Seconds West 5.9 feet  
 thence North 28 Degrees 50 Minutes 11 Seconds West 17.2 feet  
 thence North 32 Degrees 42 Minutes 47 Seconds West 20.2 feet  
 thence North 46 Degrees 31 Minutes 55 Seconds West 21.8 feet  
 thence North 64 Degrees 03 Minutes 47 Seconds West 26.7 feet  
 thence North 86 Degrees 17 Minutes 06 Seconds West 23.4 feet  
 thence South 75 Degrees 50 Minutes 45 Seconds West 23.3 feet  
 thence North 78 Degrees 09 Minutes 04 Seconds West 38.9 feet  
 thence North 66 Degrees 39 Minutes 51 Seconds West 54.8 feet  
 thence North 72 Degrees 03 Minutes 51 Seconds West 63.9 feet  
 thence North 62 Degrees 11 Minutes 05 Seconds West 59.2 feet  
 thence North 56 Degrees 43 Minutes 54 Seconds West 48.1 feet  
 thence North 54 Degrees 57 Minutes 03 Seconds West 49.9 feet

thence North 44 Degrees 56 Minutes 37 Seconds West 36 feet  
thence North 45 Degrees 18 Minutes 47 Seconds West 2.3 feet  
thence North 43 Degrees 24 Minutes 14 Seconds West 13.9 feet  
thence North 35 Degrees 00 Minutes 30 Seconds West 36.3 feet  
thence North 15 Degrees 16 Minutes 31 Seconds West 39.4 feet  
thence North 15 Degrees 10 Minutes 18 Seconds West 33.3 feet  
thence North 13 Degrees 28 Minutes 35 Seconds West 41.8 feet  
thence North 14 Degrees 05 Minutes 05 Seconds West 34.5 feet  
thence North 13 Degrees 56 Minutes 25 Seconds West 33.4 feet  
thence North 11 Degrees 02 Minutes 45 Seconds West 51.1 feet  
thence North 10 Degrees 38 Minutes 59 Seconds West 53 feet  
thence North 08 Degrees 04 Minutes 11 Seconds East 31.5 feet  
thence North 12 Degrees 24 Minutes 39 Seconds East 20.9 feet  
thence North 01 Degrees 21 Minutes 18 Seconds East 33.8 feet  
thence North 53 Degrees 44 Minutes 24 Seconds West 50.7 feet  
thence North 66 Degrees 54 Minutes 55 Seconds West 74.4 feet  
thence North 52 Degrees 28 Minutes 36 Seconds West 85.6 feet  
thence North 52 Degrees 51 Minutes 33 Seconds West 90.1 feet  
thence North 54 Degrees 15 Minutes 10 Seconds West 83.6 feet  
thence North 54 Degrees 04 Minutes 17 Seconds West 83.8 feet  
thence North 49 Degrees 21 Minutes 16 Seconds West 85.6 feet  
thence North 32 Degrees 08 Minutes 00 Seconds West 75.3 feet  
thence North 10 Degrees 17 Minutes 18 Seconds West 66.3 feet  
thence North 32 Degrees 37 Minutes 58 Seconds West 57.1 feet  
thence North 76 Degrees 16 Minutes 37 Seconds West 56.8 feet  
thence North 69 Degrees 49 Minutes 23 Seconds West 66.6 feet  
thence North 48 Degrees 49 Minutes 30 Seconds West 64.4 feet  
thence North 47 Degrees 49 Minutes 37 Seconds West 47.6 feet  
thence North 53 Degrees 00 Minutes 33 Seconds West 17.3 feet  
thence North 58 Degrees 27 Minutes 51 Seconds West 12.7 feet  
thence North 66 Degrees 08 Minutes 22 Seconds West 31.7 feet  
thence North 75 Degrees 12 Minutes 43 Seconds West 64.2 feet  
thence North 82 Degrees 10 Minutes 59 Seconds West 60.3 feet  
thence North 79 Degrees 31 Minutes 44 Seconds West 28.1 feet  
thence North 79 Degrees 31 Minutes 44 Seconds West 28.1 feet  
thence North 75 Degrees 17 Minutes 10 Seconds West 50.6 feet  
thence North 69 Degrees 43 Minutes 21 Seconds West 63.4 feet  
thence North 66 Degrees 13 Minutes 48 Seconds West 47.4 feet  
thence North 67 Degrees 25 Minutes 21 Seconds West 16 feet  
thence North 67 Degrees 51 Minutes 22 Seconds West 26.6 feet  
thence North 71 Degrees 22 Minutes 40 Seconds West 47.5 feet  
thence North 67 Degrees 54 Minutes 56 Seconds West 58.6 feet  
thence North 63 Degrees 12 Minutes 09 Seconds West 77 feet  
thence North 48 Degrees 33 Minutes 10 Seconds West 73.9 feet  
thence North 35 Degrees 24 Minutes 53 Seconds West 70.2 feet  
thence North 31 Degrees 41 Minutes 56 Seconds West 61.1 feet  
thence North 34 Degrees 06 Minutes 54 Seconds West 46.6 feet  
thence North 36 Degrees 37 Minutes 03 Seconds West 20 feet  
thence North 34 Degrees 00 Minutes 11 Seconds West 9.5 feet

thence North 37 Degrees 49 Minutes 02 Seconds West 17.8 feet  
thence North 36 Degrees 03 Minutes 10 Seconds West 43.3 feet  
thence North 41 Degrees 33 Minutes 06 Seconds West 67.2 feet  
thence North 50 Degrees 43 Minutes 53 Seconds West 86 feet  
thence North 63 Degrees 27 Minutes 57 Seconds West 89.4 feet  
thence North 73 Degrees 06 Minutes 00 Seconds West 87.6 feet  
thence North 75 Degrees 34 Minutes 10 Seconds West 64.5 feet  
thence North 75 Degrees 26 Minutes 15 Seconds West 21.7 feet  
thence North 71 Degrees 52 Minutes 41 Seconds West 21.8 feet  
thence North 67 Degrees 35 Minutes 00 Seconds West 52.7 feet  
thence North 61 Degrees 44 Minutes 50 Seconds West 67.3 feet  
thence North 59 Degrees 54 Minutes 27 Seconds West 63.5 feet  
thence North 55 Degrees 11 Minutes 27 Seconds West 47.3 feet  
thence North 52 Degrees 38 Minutes 22 Seconds West 32.8 feet  
thence North 49 Degrees 11 Minutes 45 Seconds West 51.4 feet  
thence North 51 Degrees 39 Minutes 12 Seconds West 42 feet  
thence North 45 Degrees 18 Minutes 47 Seconds West 20.2 feet  
thence North 46 Degrees 54 Minutes 15 Seconds West 8.4 feet  
thence North 49 Degrees 28 Minutes 22 Seconds West 25.6 feet  
thence North 48 Degrees 17 Minutes 40 Seconds West 44.6 feet  
thence North 49 Degrees 55 Minutes 25 Seconds West 57.7 feet  
thence North 51 Degrees 08 Minutes 22 Seconds West 68.6 feet  
thence North 53 Degrees 58 Minutes 09 Seconds West 78.6 feet  
thence North 59 Degrees 04 Minutes 14 Seconds West 81 feet  
thence North 49 Degrees 21 Minutes 40 Seconds West 75.6 feet  
thence North 48 Degrees 47 Minutes 18 Seconds West 57.4 feet  
thence North 65 Degrees 46 Minutes 02 Seconds West 45.8 feet  
thence North 71 Degrees 52 Minutes 41 Seconds West 59.1 feet  
thence North 70 Degrees 01 Minutes 16 Seconds West 41.6 feet  
thence North 70 Degrees 07 Minutes 07 Seconds West 30.4 feet  
thence North 73 Degrees 53 Minutes 58 Seconds West 44.1 feet  
thence North 74 Degrees 30 Minutes 06 Seconds West 38.5 feet  
thence North 78 Degrees 06 Minutes 05 Seconds West 45 feet  
thence North 82 Degrees 43 Minutes 06 Seconds West 49.7 feet  
thence South 86 Degrees 43 Minutes 07 Seconds West 44.4 feet  
thence South 76 Degrees 59 Minutes 29 Seconds West 61.2 feet  
thence South 77 Degrees 09 Minutes 29 Seconds West 78.7 feet  
thence South 78 Degrees 30 Minutes 27 Seconds West 84.6 feet  
thence South 83 Degrees 29 Minutes 53 Seconds West 82.2 feet  
thence North 85 Degrees 00 Minutes 43 Seconds West 63.9 feet  
thence North 75 Degrees 39 Minutes 36 Seconds West 73.9 feet  
thence North 68 Degrees 08 Minutes 15 Seconds West 14 feet  
thence North 68 Degrees 03 Minutes 37 Seconds West 65.8 feet  
thence North 68 Degrees 57 Minutes 51 Seconds West 69.4 feet  
thence North 67 Degrees 02 Minutes 03 Seconds West 30.7 feet  
thence North 69 Degrees 00 Minutes 26 Seconds West 35.2 feet  
thence North 68 Degrees 47 Minutes 02 Seconds West 76.9 feet  
thence North 67 Degrees 01 Minutes 37 Seconds West 84.7 feet  
thence North 54 Degrees 32 Minutes 41 Seconds West 85.3 feet

thence North 34 Degrees 30 Minutes 48 Seconds West 81.7 feet

thence North 26 Degrees 03 Minutes 13 Seconds West 81.6 feet

thence North 26 Degrees 06 Minutes 19 Seconds West 76.2 feet

thence North 17 Degrees 50 Minutes 19 Seconds West 58.8 feet

thence North 12 Degrees 42 Minutes 30 Seconds West 30.6 feet

thence North 11 Degrees 03 Minutes 07 Seconds West 19.4 feet more or less to **the ending**

**point at:** 37 degrees 25 minutes 43.26 seconds North Latitude and -109 degrees 36 minutes 18.09 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,190,635.0 feet and Y = 10,125,537.7 feet.

## Appendix B to Attachment 4

**Popular Name: BLACK MESA ROAD**

**County: San Juan**

**County Road Number: B233**

**State Geographic Information Database (SGID) Road Identification Number: RD190218.**

**Road-Segment Number: 002**

**Road-Segment Length: 1.04 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 39 South Range 21 East, Section(s) 4,9, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA 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 37 degrees 25 minutes 43.26 seconds North Latitude and -109 degrees 36 minutes 18.09 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,190,635.0 feet and Y = 10,125,537.7 feet; thence the following courses along the said road center line:

thence South 39 Degrees 58 Minutes 44 Seconds West 19.8 feet  
thence South 36 Degrees 57 Minutes 54 Seconds West 27.6 feet  
thence South 38 Degrees 52 Minutes 33 Seconds West 105.4 feet  
thence South 36 Degrees 00 Minutes 20 Seconds West 109.1 feet  
thence South 30 Degrees 42 Minutes 46 Seconds West 103.8 feet  
thence South 24 Degrees 33 Minutes 33 Seconds West 94.4 feet  
thence South 18 Degrees 55 Minutes 03 Seconds West 74.7 feet  
thence South 25 Degrees 40 Minutes 07 Seconds West 57.7 feet  
thence South 33 Degrees 22 Minutes 37 Seconds West 58 feet  
thence South 41 Degrees 40 Minutes 26 Seconds West 70.6 feet  
thence South 36 Degrees 27 Minutes 50 Seconds West 81.1 feet

thence South 29 Degrees 07 Minutes 10 Seconds West 82.1 feet  
 thence South 32 Degrees 59 Minutes 27 Seconds West 67.5 feet  
 thence South 20 Degrees 55 Minutes 17 Seconds West 61.6 feet  
 thence South 06 Degrees 23 Minutes 48 Seconds West 22.5 feet  
 thence South 06 Degrees 34 Minutes 06 Seconds West 38.3 feet  
 thence South 03 Degrees 20 Minutes 20 Seconds West 15.5 feet  
 thence South 00 Degrees 50 Minutes 39 Seconds West 65 feet  
 thence South 10 Degrees 32 Minutes 52 Seconds East 72 feet  
 thence South 31 Degrees 10 Minutes 47 Seconds East 66.5 feet  
 thence South 28 Degrees 34 Minutes 02 Seconds East 54.8 feet  
 thence South 07 Degrees 17 Minutes 09 Seconds East 46 feet  
 thence South 12 Degrees 31 Minutes 56 Seconds East 52.7 feet  
 thence South 29 Degrees 53 Minutes 27 Seconds East 55.8 feet  
 thence South 28 Degrees 42 Minutes 22 Seconds East 55.2 feet  
 thence South 15 Degrees 46 Minutes 53 Seconds East 54.1 feet  
 thence South 05 Degrees 57 Minutes 52 Seconds East 63.3 feet  
 thence South 14 Degrees 00 Minutes 32 Seconds East 80.4 feet  
 thence South 19 Degrees 47 Minutes 00 Seconds East 103.4 feet  
 thence South 15 Degrees 39 Minutes 36 Seconds East 107.9 feet  
 thence South 07 Degrees 18 Minutes 19 Seconds West 104 feet  
 thence South 16 Degrees 22 Minutes 10 Seconds West 108.6 feet  
 thence South 15 Degrees 32 Minutes 19 Seconds West 110.5 feet  
 thence South 17 Degrees 54 Minutes 35 Seconds West 112.3 feet  
 thence South 19 Degrees 05 Minutes 53 Seconds West 109.6 feet  
 thence South 30 Degrees 20 Minutes 35 Seconds West 104.9 feet  
 thence South 37 Degrees 45 Minutes 08 Seconds West 103.8 feet  
 thence South 23 Degrees 16 Minutes 25 Seconds West 101.7 feet  
 thence South 01 Degrees 22 Minutes 57 Seconds West 99.8 feet  
 thence South 08 Degrees 25 Minutes 00 Seconds East 100.1 feet  
 thence South 19 Degrees 27 Minutes 02 Seconds East 93.1 feet  
 thence South 20 Degrees 16 Minutes 39 Seconds East 85.5 feet  
 thence South 10 Degrees 05 Minutes 44 Seconds East 77.3 feet  
 thence South 05 Degrees 35 Minutes 13 Seconds East 85.7 feet  
 thence South 05 Degrees 56 Minutes 47 Seconds East 96.9 feet  
 thence South 00 Degrees 05 Minutes 09 Seconds West 94.2 feet  
 thence South 16 Degrees 55 Minutes 15 Seconds West 84.2 feet  
 thence South 26 Degrees 15 Minutes 06 Seconds West 80 feet  
 thence South 22 Degrees 12 Minutes 07 Seconds West 83.1 feet  
 thence South 14 Degrees 55 Minutes 22 Seconds West 87.4 feet  
 thence South 02 Degrees 15 Minutes 56 Seconds East 86.7 feet  
 thence South 12 Degrees 07 Minutes 30 Seconds East 88.2 feet  
 thence South 08 Degrees 12 Minutes 26 Seconds East 78.8 feet  
 thence South 04 Degrees 05 Minutes 09 Seconds East 63.3 feet  
 thence South 04 Degrees 05 Minutes 05 Seconds East 26.4 feet  
 thence South 08 Degrees 50 Minutes 38 Seconds East 53.1 feet  
 thence South 14 Degrees 41 Minutes 05 Seconds East 95.2 feet  
 thence South 18 Degrees 52 Minutes 15 Seconds East 96.9 feet  
 thence South 14 Degrees 44 Minutes 02 Seconds East 94.9 feet  
 thence South 03 Degrees 16 Minutes 27 Seconds East 95.3 feet

thence South 00 Degrees 18 Minutes 47 Seconds East 98.8 feet  
thence South 08 Degrees 29 Minutes 58 Seconds East 94.5 feet  
thence South 19 Degrees 09 Minutes 59 Seconds East 85.3 feet  
thence South 10 Degrees 37 Minutes 05 Seconds East 73.4 feet  
thence South 00 Degrees 35 Minutes 24 Seconds East 67.9 feet  
thence South 12 Degrees 37 Minutes 35 Seconds East 66.2 feet  
thence South 18 Degrees 39 Minutes 33 Seconds East 66.7 feet  
thence South 22 Degrees 47 Minutes 34 Seconds East 72.1 feet  
thence South 25 Degrees 18 Minutes 50 Seconds East 69.9 feet  
thence South 32 Degrees 54 Minutes 49 Seconds East 67 feet

thence South 24 Degrees 23 Minutes 19 Seconds East 50.7 feet more or less to **the ending point at:** 37 degrees 24 minutes 52.69 seconds North Latitude and -109 degrees 36 minutes 22.53 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,190,380.4 feet and Y = 10,120,416.6 feet.

## Appendix C to Attachment 4

**Popular Name: BLACK MESA ROAD**

**County: San Juan**

**County Road Number: B233**

**State Geographic Information Database (SGID) Road Identification Number: RD190218.**

**Road-Segment Number: 003**

**Road-Segment Length: 4.31 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 38 South Range 21 East, Section(s) 14,23,26,27,34, Salt Lake Base & Meridian

Township 39 South Range 21 East, Section(s) 3,4, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA ROAD)-- Segment 003 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 25 minutes 43.26 seconds North Latitude and -109 degrees 36 minutes 18.09 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,190,635.0 feet and Y = 10,125,537.7 feet; thence the following courses along the said road center line:

thence North 39 Degrees 29 Minutes 32 Seconds East	53.8 feet
thence North 39 Degrees 32 Minutes 38 Seconds East	93.2 feet
thence North 36 Degrees 54 Minutes 52 Seconds East	84.1 feet
thence North 33 Degrees 26 Minutes 43 Seconds East	76.2 feet
thence North 36 Degrees 59 Minutes 27 Seconds East	86.6 feet
thence North 34 Degrees 54 Minutes 16 Seconds East	88.8 feet
thence North 36 Degrees 30 Minutes 50 Seconds East	88.1 feet
thence North 35 Degrees 52 Minutes 18 Seconds East	87.8 feet
thence North 34 Degrees 27 Minutes 21 Seconds East	96.7 feet
thence North 35 Degrees 03 Minutes 15 Seconds East	102.6 feet

thence North 37 Degrees 31 Minutes 50 Seconds East 31.7 feet  
 thence North 37 Degrees 31 Minutes 42 Seconds East 68.9 feet  
 thence North 35 Degrees 09 Minutes 31 Seconds East 99.5 feet  
 thence North 33 Degrees 19 Minutes 42 Seconds East 107.2 feet  
 thence North 29 Degrees 50 Minutes 34 Seconds East 107.8 feet  
 thence North 31 Degrees 11 Minutes 10 Seconds East 102.4 feet  
 thence North 37 Degrees 33 Minutes 42 Seconds East 89.8 feet  
 thence North 40 Degrees 31 Minutes 28 Seconds East 86.3 feet  
 thence North 42 Degrees 02 Minutes 39 Seconds East 60.4 feet  
 thence North 40 Degrees 30 Minutes 07 Seconds East 38.2 feet  
 thence North 39 Degrees 49 Minutes 20 Seconds East 65.7 feet  
 thence North 36 Degrees 57 Minutes 29 Seconds East 34.7 feet  
 thence North 36 Degrees 57 Minutes 42 Seconds East 58.5 feet  
 thence North 36 Degrees 27 Minutes 26 Seconds East 113.5 feet  
 thence North 34 Degrees 26 Minutes 44 Seconds East 112.2 feet  
 thence North 36 Degrees 44 Minutes 45 Seconds East 119.2 feet  
 thence North 40 Degrees 40 Minutes 50 Seconds East 119.6 feet  
 thence North 40 Degrees 26 Minutes 32 Seconds East 119.1 feet  
 thence North 40 Degrees 25 Minutes 59 Seconds East 84.5 feet  
 thence North 40 Degrees 32 Minutes 32 Seconds East 32.1 feet  
 thence North 40 Degrees 34 Minutes 00 Seconds East 109.8 feet  
 thence North 40 Degrees 42 Minutes 07 Seconds East 103.5 feet  
 thence North 44 Degrees 58 Minutes 19 Seconds East 93.3 feet  
 thence North 49 Degrees 49 Minutes 24 Seconds East 82.9 feet  
 thence North 39 Degrees 34 Minutes 54 Seconds East 80.8 feet  
 thence North 14 Degrees 06 Minutes 05 Seconds East 84.4 feet  
 thence North 24 Degrees 08 Minutes 55 Seconds East 88 feet  
 thence North 40 Degrees 59 Minutes 11 Seconds East 93.5 feet  
 thence North 39 Degrees 06 Minutes 24 Seconds East 81.1 feet  
 thence North 25 Degrees 53 Minutes 13 Seconds East 23 feet  
 thence North 05 Degrees 34 Minutes 01 Seconds East 99.3 feet  
 thence North 14 Degrees 49 Minutes 00 Seconds West 87.8 feet  
 thence North 03 Degrees 48 Minutes 44 Seconds West 91.4 feet  
 thence North 38 Degrees 20 Minutes 48 Seconds East 79.8 feet  
 thence North 63 Degrees 36 Minutes 27 Seconds East 86.6 feet  
 thence North 70 Degrees 16 Minutes 51 Seconds East 91.8 feet  
 thence North 79 Degrees 33 Minutes 44 Seconds East 84 feet  
 thence South 65 Degrees 23 Minutes 56 Seconds East 66.2 feet  
 thence South 54 Degrees 40 Minutes 23 Seconds East 64.2 feet  
 thence South 72 Degrees 51 Minutes 56 Seconds East 72.2 feet  
 thence South 87 Degrees 10 Minutes 35 Seconds East 72 feet  
 thence South 83 Degrees 02 Minutes 34 Seconds East 80.4 feet  
 thence South 75 Degrees 09 Minutes 32 Seconds East 81.6 feet  
 thence South 73 Degrees 10 Minutes 12 Seconds East 69 feet  
 thence South 82 Degrees 48 Minutes 35 Seconds East 67.9 feet  
 thence South 85 Degrees 07 Minutes 06 Seconds East 68.9 feet  
 thence North 78 Degrees 15 Minutes 46 Seconds East 64.6 feet  
 thence North 64 Degrees 37 Minutes 10 Seconds East 67.4 feet  
 thence North 61 Degrees 34 Minutes 02 Seconds East 70.3 feet

thence North 53 Degrees 48 Minutes 35 Seconds East 64.4 feet  
 thence North 34 Degrees 37 Minutes 34 Seconds East 58.4 feet  
 thence North 15 Degrees 32 Minutes 34 Seconds East 57.6 feet  
 thence North 04 Degrees 32 Minutes 14 Seconds West 57.9 feet  
 thence North 17 Degrees 17 Minutes 18 Seconds West 65.2 feet  
 thence North 25 Degrees 53 Minutes 01 Seconds West 67.7 feet  
 thence North 29 Degrees 04 Minutes 50 Seconds West 57.3 feet  
 thence North 29 Degrees 02 Minutes 39 Seconds West 62.1 feet  
 thence North 32 Degrees 04 Minutes 20 Seconds West 64.8 feet  
 thence North 32 Degrees 47 Minutes 02 Seconds West 12.8 feet  
 thence North 42 Degrees 21 Minutes 30 Seconds West 72 feet  
 thence North 58 Degrees 27 Minutes 36 Seconds West 65.3 feet  
 thence North 44 Degrees 52 Minutes 32 Seconds West 60.8 feet  
 thence North 05 Degrees 07 Minutes 47 Seconds West 58.6 feet  
 thence North 05 Degrees 50 Minutes 25 Seconds West 10.2 feet  
 thence North 07 Degrees 35 Minutes 16 Seconds East 81.2 feet  
 thence North 02 Degrees 30 Minutes 55 Seconds West 76.8 feet  
 thence North 16 Degrees 08 Minutes 28 Seconds West 66.2 feet  
 thence North 02 Degrees 41 Minutes 55 Seconds West 63.1 feet  
 thence North 26 Degrees 31 Minutes 04 Seconds East 63.2 feet  
 thence North 40 Degrees 20 Minutes 55 Seconds East 67.5 feet  
 thence North 38 Degrees 40 Minutes 41 Seconds East 79.8 feet  
 thence North 33 Degrees 56 Minutes 10 Seconds East 74.6 feet  
 thence North 15 Degrees 32 Minutes 59 Seconds East 62.4 feet  
 thence North 06 Degrees 01 Minutes 24 Seconds West 52.8 feet  
 thence North 29 Degrees 56 Minutes 40 Seconds West 41.1 feet  
 thence North 39 Degrees 06 Minutes 11 Seconds West 45 feet  
 thence North 34 Degrees 21 Minutes 58 Seconds West 57.4 feet  
 thence North 04 Degrees 59 Minutes 25 Seconds West 72.4 feet  
 thence North 17 Degrees 50 Minutes 47 Seconds East 86.3 feet  
 thence North 22 Degrees 44 Minutes 48 Seconds East 88.8 feet  
 thence North 21 Degrees 08 Minutes 05 Seconds East 79 feet  
 thence North 31 Degrees 50 Minutes 21 Seconds East 67.8 feet  
 thence North 44 Degrees 20 Minutes 38 Seconds East 77.5 feet  
 thence North 39 Degrees 58 Minutes 20 Seconds East 90.3 feet  
 thence North 28 Degrees 09 Minutes 08 Seconds East 92.9 feet  
 thence North 26 Degrees 47 Minutes 42 Seconds East 92.9 feet  
 thence North 33 Degrees 31 Minutes 37 Seconds East 104.3 feet  
 thence North 36 Degrees 12 Minutes 00 Seconds East 105.3 feet  
 thence North 29 Degrees 33 Minutes 35 Seconds East 109.4 feet  
 thence North 27 Degrees 29 Minutes 56 Seconds East 114.6 feet  
 thence North 24 Degrees 56 Minutes 54 Seconds East 116.1 feet  
 thence North 22 Degrees 03 Minutes 30 Seconds East 116.4 feet  
 thence North 21 Degrees 42 Minutes 30 Seconds East 111.1 feet  
 thence North 18 Degrees 51 Minutes 31 Seconds East 104.9 feet  
 thence North 14 Degrees 25 Minutes 50 Seconds East 96.7 feet  
 thence North 20 Degrees 35 Minutes 42 Seconds East 93.8 feet  
 thence North 18 Degrees 07 Minutes 19 Seconds East 1 feet  
 thence North 40 Degrees 48 Minutes 49 Seconds East 89.3 feet

thence North 57 Degrees 36 Minutes 17 Seconds East 103.8 feet  
 thence North 60 Degrees 05 Minutes 53 Seconds East 119.6 feet  
 thence North 54 Degrees 03 Minutes 40 Seconds East 123.9 feet  
 thence North 41 Degrees 50 Minutes 26 Seconds East 126.1 feet  
 thence North 38 Degrees 04 Minutes 25 Seconds East 96.7 feet  
 thence North 37 Degrees 58 Minutes 38 Seconds East 31.8 feet  
 thence North 37 Degrees 05 Minutes 08 Seconds East 128 feet  
 thence North 35 Degrees 10 Minutes 20 Seconds East 124.9 feet  
 thence North 31 Degrees 16 Minutes 03 Seconds East 36.6 feet  
 thence North 31 Degrees 05 Minutes 32 Seconds East 7.3 feet  
 thence North 30 Degrees 41 Minutes 29 Seconds East 79.6 feet  
 thence North 29 Degrees 14 Minutes 31 Seconds East 135 feet  
 thence North 29 Degrees 04 Minutes 29 Seconds East 137.1 feet  
 thence North 29 Degrees 18 Minutes 30 Seconds East 132.1 feet  
 thence North 28 Degrees 47 Minutes 54 Seconds East 128.8 feet  
 thence North 29 Degrees 21 Minutes 37 Seconds East 129.9 feet  
 thence North 29 Degrees 05 Minutes 31 Seconds East 130.3 feet  
 thence North 29 Degrees 18 Minutes 21 Seconds East 129.5 feet  
 thence North 29 Degrees 39 Minutes 14 Seconds East 126.1 feet  
 thence North 28 Degrees 37 Minutes 15 Seconds East 120.7 feet  
 thence North 28 Degrees 58 Minutes 30 Seconds East 117.4 feet  
 thence North 29 Degrees 24 Minutes 42 Seconds East 114.5 feet  
 thence North 29 Degrees 10 Minutes 34 Seconds East 109.3 feet  
 thence North 28 Degrees 55 Minutes 01 Seconds East 104.2 feet  
 thence North 28 Degrees 46 Minutes 42 Seconds East 99.9 feet  
 thence North 27 Degrees 28 Minutes 22 Seconds East 96.4 feet  
 thence North 29 Degrees 08 Minutes 27 Seconds East 96.1 feet  
 thence North 29 Degrees 25 Minutes 55 Seconds East 97.9 feet  
 thence North 29 Degrees 08 Minutes 55 Seconds East 98.7 feet  
 thence North 28 Degrees 23 Minutes 21 Seconds East 98.4 feet  
 thence North 29 Degrees 01 Minutes 21 Seconds East 91.1 feet  
 thence North 27 Degrees 59 Minutes 16 Seconds East 72.7 feet  
 thence North 30 Degrees 19 Minutes 33 Seconds East 49.6 feet  
 thence North 32 Degrees 18 Minutes 23 Seconds East 9.7 feet  
 thence North 37 Degrees 50 Minutes 40 Seconds East 5.8 feet  
 thence North 30 Degrees 01 Minutes 49 Seconds East 15.6 feet  
 thence North 29 Degrees 46 Minutes 33 Seconds East 33.9 feet  
 thence North 29 Degrees 42 Minutes 51 Seconds East 16.5 feet  
 thence North 30 Degrees 53 Minutes 28 Seconds East 67.1 feet  
 thence North 28 Degrees 56 Minutes 42 Seconds East 71.8 feet  
 thence North 27 Degrees 58 Minutes 05 Seconds East 63.7 feet  
 thence North 27 Degrees 38 Minutes 17 Seconds East 18.2 feet  
 thence North 26 Degrees 25 Minutes 37 Seconds East 48.1 feet  
 thence North 29 Degrees 52 Minutes 44 Seconds East 20.9 feet  
 thence North 28 Degrees 06 Minutes 17 Seconds East 21.8 feet  
 thence North 28 Degrees 06 Minutes 58 Seconds East 9.9 feet  
 thence North 26 Degrees 35 Minutes 36 Seconds East 24.7 feet  
 thence North 23 Degrees 20 Minutes 29 Seconds East 43.3 feet  
 thence North 22 Degrees 33 Minutes 39 Seconds East 68.4 feet

thence North 21 Degrees 02 Minutes 30 Seconds East 93.7 feet  
 thence North 20 Degrees 51 Minutes 52 Seconds East 106.3 feet  
 thence North 21 Degrees 00 Minutes 04 Seconds East 107.4 feet  
 thence North 20 Degrees 54 Minutes 39 Seconds East 108.8 feet  
 thence North 20 Degrees 08 Minutes 32 Seconds East 108.9 feet  
 thence North 20 Degrees 31 Minutes 03 Seconds East 104.3 feet  
 thence North 20 Degrees 13 Minutes 18 Seconds East 102 feet  
 thence North 20 Degrees 32 Minutes 02 Seconds East 106 feet  
 thence North 20 Degrees 47 Minutes 51 Seconds East 111.2 feet  
 thence North 20 Degrees 46 Minutes 16 Seconds East 116.8 feet  
 thence North 20 Degrees 21 Minutes 12 Seconds East 119.9 feet  
 thence North 20 Degrees 32 Minutes 55 Seconds East 122.6 feet  
 thence North 20 Degrees 54 Minutes 49 Seconds East 121.4 feet  
 thence North 20 Degrees 28 Minutes 12 Seconds East 116.5 feet  
 thence North 20 Degrees 46 Minutes 54 Seconds East 118.5 feet  
 thence North 21 Degrees 27 Minutes 34 Seconds East 119.4 feet  
 thence North 20 Degrees 20 Minutes 11 Seconds East 118.2 feet  
 thence North 20 Degrees 46 Minutes 09 Seconds East 121.3 feet  
 thence North 19 Degrees 52 Minutes 47 Seconds East 115 feet  
 thence North 20 Degrees 43 Minutes 29 Seconds East 64 feet  
 thence North 20 Degrees 28 Minutes 32 Seconds East 37.9 feet  
 thence North 23 Degrees 22 Minutes 10 Seconds East 102.1 feet  
 thence North 22 Degrees 22 Minutes 21 Seconds East 110.6 feet  
 thence North 22 Degrees 58 Minutes 24 Seconds East 112.9 feet  
 thence North 24 Degrees 17 Minutes 33 Seconds East 115.9 feet  
 thence North 24 Degrees 53 Minutes 18 Seconds East 61.7 feet  
 thence North 23 Degrees 34 Minutes 57 Seconds East 56.7 feet  
 thence North 24 Degrees 19 Minutes 22 Seconds East 59.3 feet  
 thence North 24 Degrees 18 Minutes 39 Seconds East 23.4 feet  
 thence North 24 Degrees 42 Minutes 15 Seconds East 16.3 feet  
 thence North 25 Degrees 52 Minutes 31 Seconds East 22.3 feet  
 thence North 23 Degrees 48 Minutes 01 Seconds East 126.9 feet  
 thence North 22 Degrees 50 Minutes 51 Seconds East 128.5 feet  
 thence North 23 Degrees 13 Minutes 43 Seconds East 122.4 feet  
 thence North 22 Degrees 50 Minutes 42 Seconds East 121 feet  
 thence North 23 Degrees 14 Minutes 09 Seconds East 119.9 feet  
 thence North 22 Degrees 18 Minutes 26 Seconds East 119.4 feet  
 thence North 22 Degrees 01 Minutes 56 Seconds East 115.7 feet  
 thence North 22 Degrees 18 Minutes 26 Seconds East 115.2 feet  
 thence North 21 Degrees 44 Minutes 38 Seconds East 123.2 feet  
 thence North 20 Degrees 48 Minutes 32 Seconds East 128.4 feet  
 thence North 20 Degrees 58 Minutes 26 Seconds East 27.1 feet  
 thence North 20 Degrees 18 Minutes 26 Seconds East 103.4 feet  
 thence North 20 Degrees 15 Minutes 38 Seconds East 127.9 feet  
 thence North 20 Degrees 27 Minutes 35 Seconds East 122.1 feet  
 thence North 20 Degrees 15 Minutes 43 Seconds East 119.5 feet  
 thence North 20 Degrees 53 Minutes 27 Seconds East 113.9 feet  
 thence North 21 Degrees 45 Minutes 19 Seconds East 6.6 feet  
 thence North 20 Degrees 57 Minutes 13 Seconds East 123.9 feet

thence North 19 Degrees 57 Minutes 50 Seconds East 125.9 feet  
 thence North 19 Degrees 35 Minutes 28 Seconds East 121.4 feet  
 thence North 18 Degrees 50 Minutes 00 Seconds East 117.1 feet  
 thence North 17 Degrees 03 Minutes 38 Seconds East 117.6 feet  
 thence North 16 Degrees 32 Minutes 12 Seconds East 120 feet  
 thence North 14 Degrees 52 Minutes 24 Seconds East 119 feet  
 thence North 13 Degrees 56 Minutes 58 Seconds East 121.2 feet  
 thence North 14 Degrees 05 Minutes 59 Seconds East 121.3 feet  
 thence North 13 Degrees 43 Minutes 25 Seconds East 27.1 feet  
 thence North 15 Degrees 03 Minutes 49 Seconds East 13.6 feet  
 thence North 09 Degrees 41 Minutes 43 Seconds East 5.7 feet  
 thence North 13 Degrees 58 Minutes 23 Seconds East 73.1 feet  
 thence North 14 Degrees 12 Minutes 39 Seconds East 121.7 feet  
 thence North 13 Degrees 21 Minutes 02 Seconds East 122.2 feet  
 thence North 12 Degrees 23 Minutes 13 Seconds East 119.4 feet  
 thence North 11 Degrees 31 Minutes 11 Seconds East 120 feet  
 thence North 09 Degrees 27 Minutes 33 Seconds East 119.9 feet  
 thence North 08 Degrees 30 Minutes 28 Seconds East 115.6 feet  
 thence North 03 Degrees 47 Minutes 55 Seconds East 105.3 feet  
 thence North 00 Degrees 45 Minutes 54 Seconds East 104.7 feet  
 thence North 01 Degrees 28 Minutes 16 Seconds West 113.6 feet  
 thence North 03 Degrees 50 Minutes 55 Seconds West 117 feet  
 thence North 05 Degrees 19 Minutes 52 Seconds West 116.3 feet  
 thence North 05 Degrees 57 Minutes 31 Seconds West 116.7 feet  
 thence North 07 Degrees 08 Minutes 08 Seconds West 116 feet  
 thence North 07 Degrees 26 Minutes 14 Seconds West 116.4 feet  
 thence North 07 Degrees 13 Minutes 07 Seconds West 117.3 feet  
 thence North 07 Degrees 29 Minutes 52 Seconds West 115.4 feet  
 thence North 07 Degrees 07 Minutes 16 Seconds West 110.7 feet  
 thence North 07 Degrees 23 Minutes 36 Seconds West 106.5 feet  
 thence North 06 Degrees 51 Minutes 30 Seconds West 100.7 feet  
 thence North 07 Degrees 04 Minutes 06 Seconds West 94.8 feet  
 thence North 07 Degrees 07 Minutes 16 Seconds West 88.6 feet  
 thence North 07 Degrees 15 Minutes 00 Seconds West 48.6 feet  
 thence North 07 Degrees 17 Minutes 15 Seconds West 32.7 feet  
 thence North 08 Degrees 28 Minutes 34 Seconds West 78.6 feet  
 thence North 08 Degrees 36 Minutes 48 Seconds West 93.2 feet  
 thence North 09 Degrees 23 Minutes 48 Seconds West 130.9 feet  
 thence North 10 Degrees 17 Minutes 28 Seconds West 149.6 feet  
 thence North 11 Degrees 59 Minutes 50 Seconds West 147.4 feet  
 thence North 13 Degrees 08 Minutes 00 Seconds West 146.4 feet  
 thence North 12 Degrees 32 Minutes 59 Seconds West 147.1 feet  
 thence North 13 Degrees 36 Minutes 14 Seconds West 147 feet  
 thence North 13 Degrees 06 Minutes 18 Seconds West 146.7 feet  
 thence North 13 Degrees 01 Minutes 41 Seconds West 141.6 feet  
 thence North 13 Degrees 18 Minutes 24 Seconds West 135.7 feet  
 thence North 13 Degrees 33 Minutes 40 Seconds West 127.4 feet  
 thence North 13 Degrees 25 Minutes 32 Seconds West 118.6 feet  
 thence North 13 Degrees 07 Minutes 27 Seconds West 108 feet

thence North 13 Degrees 29 Minutes 35 Seconds West 90.7 feet  
thence North 14 Degrees 32 Minutes 17 Seconds West 72.1 feet  
thence North 15 Degrees 34 Minutes 02 Seconds West 15 feet more or less to **the ending point**  
**at:** 37 degrees 28 minutes 53.21 seconds North Latitude and -109 degrees 34 minutes 39.85 seconds West  
Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet  
coordinates of X = 2,198,161.9 feet and Y = 10,144,907.9 feet.

## Appendix D to Attachment 4

**Popular Name: BLACK MESA ROAD**

**County: San Juan**

**County Road Number: B233**

**State Geographic Information Database (SGID) Road Identification Number: RD190218.**

**Road-Segment Number: 004**

**Road-Segment Length: 0.38 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 38 South Range 21 East, Section(s) 14, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA 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 37 degrees 28 minutes 53.21 seconds North Latitude and -109 degrees 34 minutes 39.85 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,198,161.9 feet and Y = 10,144,907.9 feet; thence the following courses along the said road center line:

thence South 89 Degrees 04 Minutes 18 Seconds West 30.5 feet  
thence South 87 Degrees 41 Minutes 07 Seconds West 47 feet  
thence South 85 Degrees 38 Minutes 47 Seconds West 60.5 feet  
thence South 86 Degrees 29 Minutes 30 Seconds West 64.7 feet  
thence South 87 Degrees 48 Minutes 51 Seconds West 70.3 feet  
thence South 85 Degrees 44 Minutes 33 Seconds West 76.3 feet  
thence South 85 Degrees 18 Minutes 24 Seconds West 81.6 feet  
thence South 87 Degrees 21 Minutes 48 Seconds West 89 feet  
thence South 88 Degrees 07 Minutes 44 Seconds West 96.5 feet  
thence South 88 Degrees 37 Minutes 48 Seconds West 106.7 feet  
thence South 87 Degrees 56 Minutes 10 Seconds West 107.4 feet

thence South 88 Degrees 38 Minutes 11 Seconds West 107.3 feet  
thence South 88 Degrees 47 Minutes 53 Seconds West 105.7 feet  
thence South 87 Degrees 30 Minutes 47 Seconds West 103.8 feet  
thence North 89 Degrees 55 Minutes 53 Seconds West 98.8 feet  
thence North 89 Degrees 06 Minutes 06 Seconds West 93.2 feet  
thence North 89 Degrees 12 Minutes 37 Seconds West 85.3 feet  
thence North 88 Degrees 00 Minutes 03 Seconds West 73.2 feet  
thence North 89 Degrees 59 Minutes 24 Seconds West 58.4 feet  
thence North 88 Degrees 30 Minutes 29 Seconds West 41.7 feet  
thence North 87 Degrees 55 Minutes 34 Seconds West 15.8 feet  
thence North 86 Degrees 34 Minutes 50 Seconds West 15.1 feet  
thence North 89 Degrees 26 Minutes 38 Seconds West 21.7 feet  
thence North 89 Degrees 30 Minutes 59 Seconds West 23.6 feet  
thence South 89 Degrees 41 Minutes 16 Seconds West 25.6 feet  
thence South 89 Degrees 41 Minutes 16 Seconds West 14.4 feet  
thence South 89 Degrees 41 Minutes 16 Seconds West 22.6 feet  
thence North 89 Degrees 51 Minutes 52 Seconds West 42 feet  
thence North 87 Degrees 58 Minutes 29 Seconds West 48.3 feet  
thence North 82 Degrees 36 Minutes 16 Seconds West 44 feet  
thence North 77 Degrees 11 Minutes 44 Seconds West 34.7 feet  
thence North 79 Degrees 41 Minutes 32 Seconds West 10.7 feet  
thence North 73 Degrees 12 Minutes 33 Seconds West 4.5 feet  
thence North 81 Degrees 33 Minutes 57 Seconds West 17.3 feet  
thence North 81 Degrees 33 Minutes 57 Seconds West 17.3 feet  
thence North 79 Degrees 00 Minutes 07 Seconds West 3.3 feet  
thence North 82 Degrees 43 Minutes 03 Seconds West 5 feet  
thence North 81 Degrees 25 Minutes 53 Seconds West 10.6 feet  
thence North 85 Degrees 13 Minutes 57 Seconds West 14.8 feet  
thence North 88 Degrees 11 Minutes 27 Seconds West 8.9 feet more or less to **the ending point**

**at:** 37 degrees 28 minutes 53.49 seconds North Latitude and -109 degrees 35 minutes 4.6 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,196,167.5 feet and Y = 10,144,894.8 feet.

## Appendix E to Attachment 4

**Popular Name: BLACK MESA ROAD**

**County: San Juan**

**County Road Number: B233**

**State Geographic Information Database (SGID) Road Identification Number: RD190218.**

**Road-Segment Number: 005**

**Road-Segment Length: 1.68 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 38 South Range 21 East, Section(s) 2,11,14, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA ROAD)-- Segment 005 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 28 minutes 53.21 seconds North Latitude and -109 degrees 34 minutes 39.85 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,198,161.9 feet and Y = 10,144,907.9 feet; thence the following courses along the said road center line:

thence North 15 Degrees 42 Minutes 19 Seconds West 238.6 feet  
thence North 15 Degrees 34 Minutes 02 Seconds West 119.7 feet  
thence North 15 Degrees 38 Minutes 08 Seconds West 120.4 feet  
thence North 15 Degrees 29 Minutes 52 Seconds West 119 feet  
thence North 16 Degrees 04 Minutes 01 Seconds West 122.1 feet  
thence North 15 Degrees 41 Minutes 05 Seconds West 126.3 feet  
thence North 15 Degrees 08 Minutes 18 Seconds West 127 feet  
thence North 14 Degrees 14 Minutes 21 Seconds West 125.4 feet  
thence North 11 Degrees 48 Minutes 03 Seconds West 123.6 feet  
thence North 10 Degrees 31 Minutes 19 Seconds West 124 feet  
thence North 10 Degrees 42 Minutes 49 Seconds West 121.8 feet

thence North 09 Degrees 24 Minutes 08 Seconds West 8.3 feet  
thence North 10 Degrees 50 Minutes 23 Seconds West 113.1 feet  
thence North 10 Degrees 01 Minutes 51 Seconds West 120.5 feet  
thence North 09 Degrees 30 Minutes 36 Seconds West 117 feet  
thence North 09 Degrees 14 Minutes 59 Seconds West 111.9 feet  
thence North 08 Degrees 32 Minutes 27 Seconds West 107.8 feet  
thence North 05 Degrees 27 Minutes 23 Seconds West 102.5 feet  
thence North 00 Degrees 53 Minutes 33 Seconds West 97.1 feet  
thence North 00 Degrees 18 Minutes 43 Seconds West 96.5 feet  
thence North 00 Degrees 18 Minutes 43 Seconds West 92.5 feet  
thence North 00 Degrees 32 Minutes 18 Seconds West 83 feet  
thence North 04 Degrees 48 Minutes 23 Seconds West 75.4 feet  
thence North 01 Degrees 50 Minutes 07 Seconds West 61.7 feet  
thence North 00 Degrees 18 Minutes 43 Seconds West 48.9 feet  
thence North 02 Degrees 38 Minutes 56 Seconds East 57.2 feet  
thence North 01 Degrees 27 Minutes 43 Seconds East 74.2 feet  
thence North 00 Degrees 29 Minutes 55 Seconds West 100.7 feet  
thence North 00 Degrees 00 Minutes 42 Seconds East 116.2 feet  
thence North 00 Degrees 27 Minutes 43 Seconds West 125.3 feet  
thence North 01 Degrees 01 Minutes 09 Seconds West 132.9 feet  
thence North 00 Degrees 04 Minutes 45 Seconds East 24 feet  
thence North 00 Degrees 06 Minutes 34 Seconds East 111.5 feet  
thence North 00 Degrees 57 Minutes 39 Seconds East 132.9 feet  
thence North 02 Degrees 52 Minutes 04 Seconds East 130.1 feet  
thence North 05 Degrees 38 Minutes 05 Seconds East 126.7 feet  
thence North 07 Degrees 25 Minutes 57 Seconds East 124.2 feet  
thence North 07 Degrees 46 Minutes 27 Seconds East 121.3 feet  
thence North 07 Degrees 07 Minutes 10 Seconds East 114.2 feet  
thence North 07 Degrees 01 Minutes 20 Seconds East 100.2 feet  
thence North 06 Degrees 48 Minutes 47 Seconds East 29.1 feet  
thence North 01 Degrees 53 Minutes 26 Seconds East 145.1 feet  
thence North 04 Degrees 04 Minutes 18 Seconds West 115.1 feet  
thence North 09 Degrees 08 Minutes 17 Seconds West 106.9 feet  
thence North 11 Degrees 00 Minutes 14 Seconds West 95.5 feet  
thence North 11 Degrees 40 Minutes 04 Seconds West 80 feet  
thence North 11 Degrees 41 Minutes 54 Seconds West 48.2 feet  
thence North 14 Degrees 20 Minutes 53 Seconds West 14.9 feet  
thence North 10 Degrees 24 Minutes 10 Seconds West 39.3 feet  
thence North 12 Degrees 00 Minutes 04 Seconds West 9.7 feet  
thence North 12 Degrees 19 Minutes 24 Seconds West 15.8 feet  
thence North 13 Degrees 56 Minutes 20 Seconds West 11.1 feet  
thence North 12 Degrees 58 Minutes 27 Seconds West 76.3 feet  
thence North 09 Degrees 43 Minutes 36 Seconds West 130.4 feet  
thence North 07 Degrees 23 Minutes 26 Seconds West 151.8 feet  
thence North 01 Degrees 49 Minutes 20 Seconds West 161.8 feet  
thence North 01 Degrees 18 Minutes 05 Seconds East 163.1 feet  
thence North 01 Degrees 32 Minutes 35 Seconds East 162.2 feet  
thence North 02 Degrees 02 Minutes 40 Seconds East 159.6 feet  
thence North 05 Degrees 28 Minutes 57 Seconds East 156 feet

thence North 15 Degrees 22 Minutes 03 Seconds East 155.4 feet  
thence North 27 Degrees 25 Minutes 50 Seconds East 164.2 feet  
thence North 30 Degrees 16 Minutes 33 Seconds East 171.5 feet  
thence North 29 Degrees 35 Minutes 47 Seconds East 171.1 feet  
thence North 28 Degrees 36 Minutes 16 Seconds East 171.7 feet  
thence North 22 Degrees 50 Minutes 26 Seconds East 160.2 feet  
thence North 15 Degrees 04 Minutes 32 Seconds East 162 feet  
thence North 13 Degrees 38 Minutes 31 Seconds East 166 feet  
thence North 13 Degrees 51 Minutes 46 Seconds East 164.8 feet  
thence North 13 Degrees 48 Minutes 25 Seconds East 165.5 feet  
thence North 13 Degrees 33 Minutes 28 Seconds East 164.3 feet  
thence North 13 Degrees 26 Minutes 48 Seconds East 164.2 feet  
thence North 13 Degrees 30 Minutes 05 Seconds East 163.5 feet  
thence North 14 Degrees 17 Minutes 56 Seconds East 158.7 feet  
thence North 14 Degrees 02 Minutes 34 Seconds East 157.5 feet  
thence North 13 Degrees 41 Minutes 41 Seconds East 153.2 feet  
thence North 13 Degrees 15 Minutes 31 Seconds East 17.6 feet

thence North 13 Degrees 16 Minutes 03 Seconds East 42.9 feet more or less to **the ending point at:** 37 degrees 30 minutes 18.31 seconds North Latitude and -109 degrees 34 minutes 33.71 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,198,480.4 feet and Y = 10,153,523.2 feet.

## Appendix F to Attachment 4

**Popular Name: BLACK MESA ROAD**

**County: San Juan**

**County Road Number: B233**

**State Geographic Information Database (SGID) Road Identification Number: RD190218.**

**Road-Segment Number: 007**

**Road-Segment Length: 3.39 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 37 South Range 21 East, Section(s) 22,26,27,35, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (BLACK MESA ROAD)-- Segment 007 based on mapping grade Global Positioning System (GPS) data as defined above:

**Beginning at a point** on the road center line located at 37 degrees 31 minutes 11.12 seconds North Latitude and -109 degrees 34 minutes 43.43 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,197,587.4 feet and Y = 10,158,847.8 feet; thence the following courses along the said road center line:

thence North 10 Degrees 50 Minutes 16 Seconds West 50.8 feet  
thence North 10 Degrees 55 Minutes 51 Seconds West 181.6 feet  
thence North 10 Degrees 58 Minutes 05 Seconds West 186.3 feet  
thence North 11 Degrees 10 Minutes 13 Seconds West 188.1 feet  
thence North 11 Degrees 03 Minutes 26 Seconds West 183 feet  
thence North 11 Degrees 14 Minutes 42 Seconds West 176.5 feet  
thence North 11 Degrees 19 Minutes 15 Seconds West 171.8 feet  
thence North 10 Degrees 59 Minutes 46 Seconds West 53.1 feet  
thence North 11 Degrees 16 Minutes 14 Seconds West 115.6 feet  
thence North 10 Degrees 27 Minutes 56 Seconds West 22.3 feet  
thence North 10 Degrees 19 Minutes 09 Seconds West 17 feet

thence North 11 Degrees 52 Minutes 40 Seconds West 129.3 feet  
thence North 11 Degrees 09 Minutes 22 Seconds West 174.4 feet  
thence North 11 Degrees 16 Minutes 07 Seconds West 177.8 feet  
thence North 11 Degrees 13 Minutes 56 Seconds West 180.1 feet  
thence North 10 Degrees 49 Minutes 55 Seconds West 116.8 feet  
thence North 11 Degrees 05 Minutes 44 Seconds West 70.1 feet  
thence North 11 Degrees 08 Minutes 43 Seconds West 193.8 feet  
thence North 11 Degrees 18 Minutes 53 Seconds West 192.5 feet  
thence North 11 Degrees 10 Minutes 27 Seconds West 189.8 feet  
thence North 10 Degrees 53 Minutes 14 Seconds West 185.9 feet  
thence North 10 Degrees 42 Minutes 44 Seconds West 174.5 feet  
thence North 11 Degrees 11 Minutes 32 Seconds West 163.4 feet  
thence North 11 Degrees 06 Minutes 43 Seconds West 159.3 feet  
thence North 10 Degrees 57 Minutes 41 Seconds West 150.9 feet  
thence North 07 Degrees 06 Minutes 00 Seconds West 138.8 feet  
thence North 00 Degrees 18 Minutes 40 Seconds West 29.9 feet  
thence North 01 Degrees 02 Minutes 36 Seconds East 97.2 feet  
thence North 05 Degrees 53 Minutes 55 Seconds East 127.4 feet  
thence North 03 Degrees 48 Minutes 53 Seconds West 32.2 feet  
thence North 04 Degrees 12 Minutes 58 Seconds West 96.4 feet  
thence North 24 Degrees 41 Minutes 51 Seconds West 135.1 feet  
thence North 31 Degrees 44 Minutes 26 Seconds West 152.3 feet  
thence North 17 Degrees 19 Minutes 04 Seconds West 158.2 feet  
thence North 10 Degrees 47 Minutes 21 Seconds West 155.2 feet  
thence North 11 Degrees 18 Minutes 52 Seconds West 36.1 feet  
thence North 10 Degrees 31 Minutes 59 Seconds West 122 feet  
thence North 10 Degrees 42 Minutes 12 Seconds West 172.8 feet  
thence North 11 Degrees 58 Minutes 31 Seconds West 176.9 feet  
thence North 12 Degrees 32 Minutes 25 Seconds West 79 feet  
thence North 12 Degrees 31 Minutes 46 Seconds West 94.6 feet  
thence North 10 Degrees 55 Minutes 02 Seconds West 172.9 feet  
thence North 10 Degrees 41 Minutes 13 Seconds West 165.8 feet  
thence North 10 Degrees 57 Minutes 37 Seconds West 156.3 feet  
thence North 12 Degrees 15 Minutes 43 Seconds West 155.3 feet  
thence North 23 Degrees 05 Minutes 28 Seconds West 153.4 feet  
thence North 44 Degrees 37 Minutes 44 Seconds West 19.5 feet  
thence North 44 Degrees 24 Minutes 00 Seconds West 131.3 feet  
thence North 54 Degrees 17 Minutes 34 Seconds West 150.1 feet  
thence North 56 Degrees 28 Minutes 54 Seconds West 149.7 feet  
thence North 55 Degrees 19 Minutes 45 Seconds West 149.4 feet  
thence North 53 Degrees 20 Minutes 41 Seconds West 156.1 feet  
thence North 50 Degrees 30 Minutes 19 Seconds West 8.7 feet  
thence North 50 Degrees 39 Minutes 04 Seconds West 148.6 feet  
thence North 49 Degrees 04 Minutes 46 Seconds West 155.3 feet  
thence North 47 Degrees 57 Minutes 42 Seconds West 150.5 feet  
thence North 49 Degrees 11 Minutes 11 Seconds West 144.2 feet  
thence North 52 Degrees 57 Minutes 05 Seconds West 38.4 feet  
thence North 52 Degrees 50 Minutes 05 Seconds West 99.2 feet  
thence North 57 Degrees 11 Minutes 22 Seconds West 137.5 feet

thence North 59 Degrees 20 Minutes 50 Seconds West 11.5 feet  
thence North 60 Degrees 20 Minutes 55 Seconds West 128.8 feet  
thence North 61 Degrees 04 Minutes 33 Seconds West 141.8 feet  
thence North 57 Degrees 15 Minutes 12 Seconds West 140.2 feet  
thence North 50 Degrees 16 Minutes 19 Seconds West 134.2 feet  
thence North 36 Degrees 57 Minutes 03 Seconds West 130.9 feet  
thence North 36 Degrees 17 Minutes 00 Seconds West 25.1 feet  
thence North 36 Degrees 37 Minutes 28 Seconds West 101.4 feet  
thence North 49 Degrees 14 Minutes 16 Seconds West 125.4 feet  
thence North 59 Degrees 33 Minutes 52 Seconds West 118.7 feet  
thence North 61 Degrees 59 Minutes 55 Seconds West 110.7 feet  
thence North 59 Degrees 28 Minutes 23 Seconds West 102.4 feet  
thence North 47 Degrees 11 Minutes 45 Seconds West 91.7 feet  
thence North 26 Degrees 35 Minutes 49 Seconds West 90.4 feet  
thence North 13 Degrees 28 Minutes 06 Seconds West 77.8 feet  
thence North 07 Degrees 32 Minutes 06 Seconds West 70.5 feet  
thence North 02 Degrees 58 Minutes 05 Seconds West 77.9 feet  
thence North 06 Degrees 39 Minutes 04 Seconds West 86.2 feet  
thence North 03 Degrees 34 Minutes 53 Seconds West 92 feet  
thence North 09 Degrees 34 Minutes 46 Seconds West 95.8 feet  
thence North 14 Degrees 26 Minutes 33 Seconds West 95.4 feet  
thence North 17 Degrees 16 Minutes 14 Seconds West 96.7 feet  
thence North 20 Degrees 43 Minutes 59 Seconds West 98.7 feet  
thence North 25 Degrees 20 Minutes 19 Seconds West 103.9 feet  
thence North 25 Degrees 59 Minutes 04 Seconds West 103.8 feet  
thence North 24 Degrees 38 Minutes 52 Seconds West 101.9 feet  
thence North 27 Degrees 58 Minutes 51 Seconds West 98.9 feet  
thence North 36 Degrees 51 Minutes 07 Seconds West 91.5 feet  
thence North 39 Degrees 04 Minutes 08 Seconds West 89.6 feet  
thence North 38 Degrees 54 Minutes 28 Seconds West 93.6 feet  
thence North 51 Degrees 39 Minutes 03 Seconds West 105.1 feet  
thence North 52 Degrees 35 Minutes 17 Seconds West 119.1 feet  
thence North 37 Degrees 55 Minutes 06 Seconds West 117.2 feet  
thence North 25 Degrees 22 Minutes 51 Seconds West 106.9 feet  
thence North 23 Degrees 47 Minutes 37 Seconds West 95.5 feet  
thence North 32 Degrees 57 Minutes 00 Seconds West 94.3 feet  
thence North 39 Degrees 54 Minutes 06 Seconds West 100.9 feet  
thence North 37 Degrees 39 Minutes 36 Seconds West 94.1 feet  
thence North 23 Degrees 20 Minutes 10 Seconds West 85.6 feet  
thence North 01 Degrees 30 Minutes 30 Seconds West 94.2 feet  
thence North 04 Degrees 53 Minutes 59 Seconds East 104.8 feet  
thence North 06 Degrees 48 Minutes 51 Seconds East 108.5 feet  
thence North 14 Degrees 24 Minutes 49 Seconds East 45.1 feet  
thence North 14 Degrees 25 Minutes 52 Seconds East 65.9 feet  
thence North 24 Degrees 47 Minutes 15 Seconds East 97.5 feet  
thence North 21 Degrees 46 Minutes 16 Seconds East 99.5 feet  
thence North 00 Degrees 40 Minutes 45 Seconds West 102.1 feet  
thence North 40 Degrees 23 Minutes 01 Seconds West 27 feet  
thence North 40 Degrees 41 Minutes 39 Seconds West 75 feet

thence North 86 Degrees 33 Minutes 42 Seconds West 115.4 feet  
thence South 82 Degrees 24 Minutes 22 Seconds West 147.5 feet  
thence South 84 Degrees 12 Minutes 48 Seconds West 151.3 feet  
thence South 86 Degrees 43 Minutes 08 Seconds West 139.3 feet  
thence North 80 Degrees 55 Minutes 13 Seconds West 128.7 feet  
thence North 67 Degrees 15 Minutes 06 Seconds West 141.6 feet  
thence North 61 Degrees 05 Minutes 16 Seconds West 151.9 feet  
thence North 57 Degrees 31 Minutes 54 Seconds West 154.6 feet  
thence North 53 Degrees 48 Minutes 55 Seconds West 150.6 feet  
thence North 45 Degrees 40 Minutes 20 Seconds West 147.1 feet  
thence North 37 Degrees 59 Minutes 30 Seconds West 153 feet  
thence North 33 Degrees 46 Minutes 28 Seconds West 161.3 feet  
thence North 30 Degrees 46 Minutes 34 Seconds West 155.3 feet  
thence North 29 Degrees 59 Minutes 21 Seconds West 140.5 feet  
thence North 25 Degrees 26 Minutes 08 Seconds West 52.6 feet  
thence North 25 Degrees 15 Minutes 55 Seconds West 73.1 feet  
thence North 26 Degrees 52 Minutes 32 Seconds West 8.8 feet  
thence North 17 Degrees 44 Minutes 48 Seconds West 136.9 feet  
thence North 12 Degrees 36 Minutes 40 Seconds West 134 feet  
thence North 11 Degrees 18 Minutes 07 Seconds West 127.4 feet  
thence North 05 Degrees 41 Minutes 48 Seconds West 115.4 feet  
thence North 03 Degrees 45 Minutes 48 Seconds East 115.5 feet  
thence North 11 Degrees 33 Minutes 13 Seconds East 119.7 feet  
thence North 17 Degrees 49 Minutes 10 Seconds East 117.1 feet  
thence North 23 Degrees 10 Minutes 28 Seconds East 112 feet  
thence North 16 Degrees 32 Minutes 33 Seconds East 105.3 feet  
thence North 06 Degrees 23 Minutes 19 Seconds East 104.1 feet  
thence North 07 Degrees 38 Minutes 39 Seconds East 75.9 feet  
thence North 07 Degrees 43 Minutes 30 Seconds East 28.2 feet  
thence North 17 Degrees 05 Minutes 12 Seconds East 103.2 feet  
thence North 36 Degrees 20 Minutes 06 Seconds East 100.6 feet  
thence North 40 Degrees 29 Minutes 02 Seconds East 94.9 feet  
thence North 33 Degrees 05 Minutes 23 Seconds East 90 feet  
thence North 27 Degrees 26 Minutes 52 Seconds East 84.5 feet  
thence North 23 Degrees 34 Minutes 54 Seconds East 81.8 feet  
thence North 19 Degrees 02 Minutes 36 Seconds East 97 feet  
thence North 14 Degrees 52 Minutes 57 Seconds East 106.4 feet  
thence North 12 Degrees 30 Minutes 59 Seconds East 109.4 feet  
thence North 05 Degrees 05 Minutes 18 Seconds East 108.1 feet  
thence North 05 Degrees 44 Minutes 33 Seconds West 107.5 feet  
thence North 17 Degrees 28 Minutes 38 Seconds West 107.8 feet  
thence North 25 Degrees 09 Minutes 31 Seconds West 107.8 feet  
thence North 28 Degrees 41 Minutes 42 Seconds West 106.3 feet  
thence North 30 Degrees 10 Minutes 21 Seconds West 99.5 feet  
thence North 31 Degrees 36 Minutes 00 Seconds West 89.1 feet  
thence North 37 Degrees 02 Minutes 15 Seconds West 79 feet  
thence North 44 Degrees 42 Minutes 26 Seconds West 66.1 feet  
thence North 48 Degrees 27 Minutes 40 Seconds West 50.7 feet  
thence North 48 Degrees 42 Minutes 47 Seconds West 43 feet

thence North 49 Degrees 10 Minutes 54 Seconds West 30.9 feet  
thence North 47 Degrees 29 Minutes 07 Seconds West 18.3 feet  
thence North 52 Degrees 01 Minutes 13 Seconds West 7.9 feet more or less to **the ending point**  
**at:** 37 degrees 33 minutes 038.2 seconds North Latitude and -109 degrees 35 minutes 058.3 seconds West  
Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet  
coordinates of X = 2,191,254.5 feet and Y = 10,173,597.4 feet.