

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

Ent 103187 Bk 894 Pg 638-650  
Date: 29-MAY-2008 4:45PM  
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over public lands, not reserved for public uses” under United States Revised Statutes 2477 (43 U.S.C. Section 932 (repealed October 21, 1976, with proviso recognizing the validity of rights-of-way already established)) was accepted for and on behalf of the State of Utah and its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 RADIUM KING ROAD; County Road Number: B258; State Geographic Information Database (SGID) Road Identification Number: RD190268. Total road length is 23.02 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.

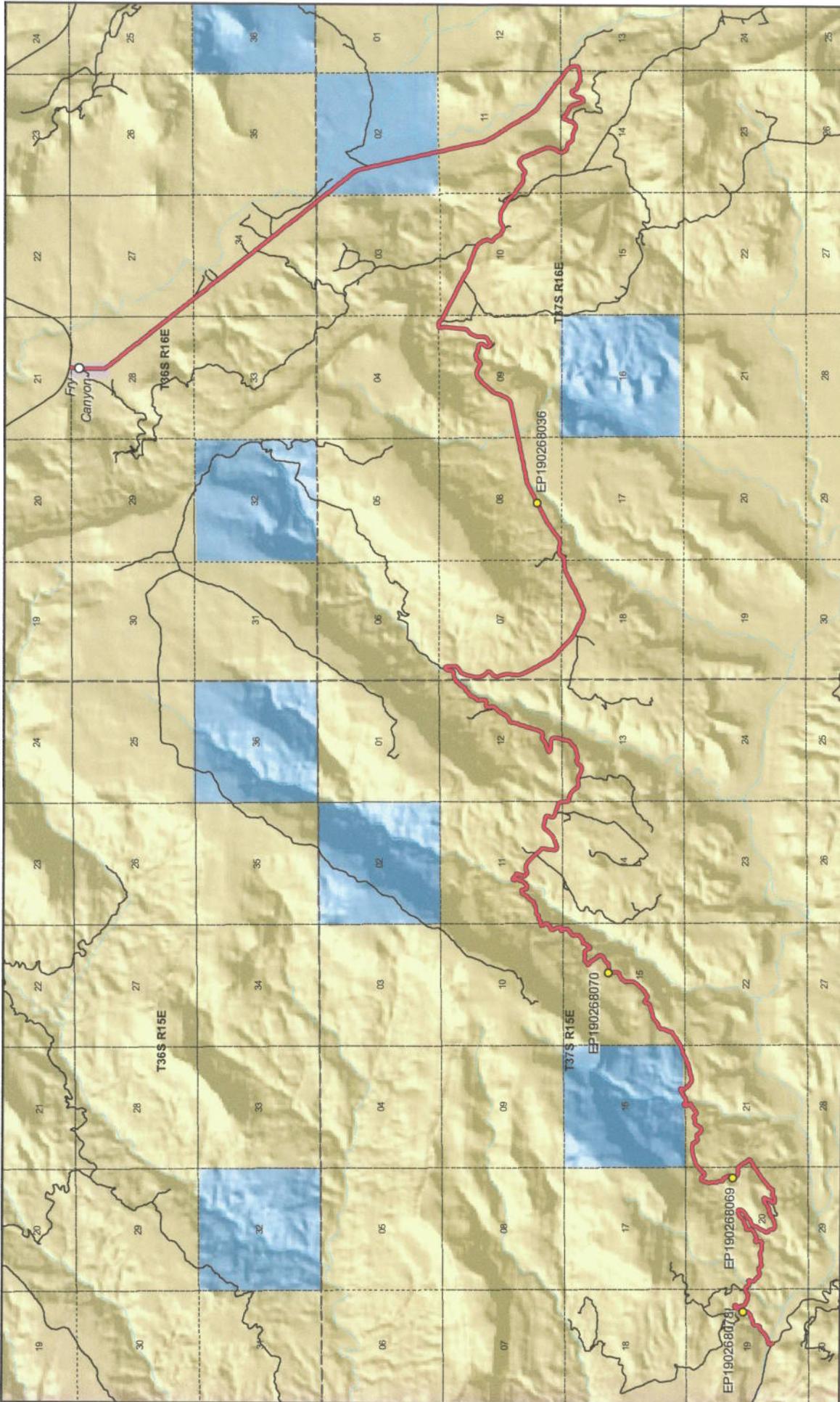
This Acknowledgment and Notice of Acknowledgment applies only to the segments of the road that traverse land owned by the Bureau of Land Management, United States Department of the Interior, and does not apply to segments of the road that traverse land owned by any other person or entity. The State of 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





**Land Ownership Categories**

- BLM
- Private
- SITLA, State Trust Land
- USFS, National Forest
- State Parks and Recreation
- Tribal, Indian Reservation
- NPS, National Park

**Transportation Network**

- RADIUM KING ROAD
- Other Roads
- Title V: Issued Or Under Consideration By BLM Or County
- Photo Event Point

**RADIUM KING ROAD - San Juan County**  
**SGID RD\_ID RD190268**

1:69,037  
1 inch equals 1.1 miles

Map prepared by the State of Utah  
 Automated Geographic Reference Center  
 Room 5130 State Office Building  
 Salt Lake City, Utah 84114  
 Apr 07, 2008

Attachment 2



EP190268036



EP190268069



EP190268070



EP190268078

EP000000000

EP000000000

**RADIUM KING ROAD - San Juan County**  
**SGID RD\_ID RD190268**

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 3

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

**Popular Name: RADIUM KING ROAD**

**County: San Juan**

**County Road Number: B258**

**State Geographic Information Database (SGID) Road Identification Number: RD190268.**

**Total Road Length: 23.02 miles more or less.**

**Beginning at a point** on the road centerline located at 37 degrees 33 minutes 09.75 seconds North Latitude and -110 degrees 18 minutes 05.75 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,987,816.3 feet and Y = 10,167,349.1 feet based on the US Survey Foot conversion.

**Ending at a point** on the road centerline located at 37 degrees 38 minutes 08.86 seconds North Latitude and -110 degrees 09 minutes 21.02 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,029,631.4 feet and Y = 10,198,173.0 feet based on the US Survey Foot conversion.

This road may traverse:

Township 36 South Range 16 East, Section(s) 21,27,28,34, Salt Lake Base & Meridian

Township 37 South Range 15 East, Section(s) 10,11,12,13,14,15,16,19,20,21, Salt Lake Base & Meridian

Township 37 South Range 16 East, Section(s) 2,3,4,7,8,9,10,11,13,14,17,18, Salt Lake Base & Meridian  
See Attachment 1 above for a cartographic depiction of the course of this road.

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

**Popular Name: RADIUM KING ROAD**

**County: San Juan**

**County Road Number: B258**

**State Geographic Information Database (SGID) Road Identification Number: RD190268.**

**Total Road Length: 23.02 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>RD190268</b>	<b>001</b>	<b>BLM</b>	<b>4.27 Miles</b>	<b>A</b>
<b>RD190268</b>	<b>002</b>	<b>ST</b>	<b>0.09 Miles</b>	<b>(not shown)</b>
<b>RD190268</b>	<b>003</b>	<b>BLM</b>	<b>0.37 Miles</b>	<b>B</b>
<b>RD190268</b>	<b>004</b>	<b>ST</b>	<b>0.04 Miles</b>	<b>(not shown)</b>
<b>RD190268</b>	<b>005</b>	<b>BLM</b>	<b>14.67 Miles</b>	<b>C</b>
<b>RD190268</b>	<b>006</b>	<b>ST</b>	<b>1 Miles</b>	<b>(not shown)</b>
<b>RD190268</b>	<b>007</b>	<b>BLM</b>	<b>2.25 Miles</b>	<b>D</b>
<b>RD190268</b>	<b>008</b>	<b>PVT</b>	<b>0.33 Miles</b>	<b>(not shown)</b>
<b>RD190268</b>	<b>009</b>	<b>BLM</b>	<b>0 Miles</b>	<b>E</b>
		<b>Total Road Length</b>	<b>23.02</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 5

**AFFIDAVIT OF WILLIAM B. REDD**

**RADIUM KING ROAD**

**SAN JUAN COUNTY, UTAH**

**COUNTY ROAD NUMBER B258**

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 Radium King Road. I am also familiar with the land the road traverses. When I first used and observed the road in the late 1950s, it followed the same route as in the 1970s, when I last observed it. Attached is a San Juan County map showing Radium King 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 late 1950s and continuing through 1976 to the 1970s. Throughout this time period I have observed travel on the road by various means, including jeep and pickup. Throughout this time period, the road has been used weekly.

5. Throughout the time period from the late 1950s to the 1970s, I have used the road myself for the following uses: mining and tourism.

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, jeeping and recreation.

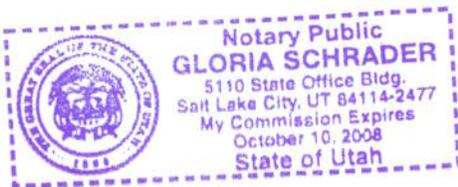
7. It is also the reputation in the community that this road has been open to the public for all to use, to come and go as they pleased, since at least as early as the early 1950s and continuing through 1976 to the present, for the uses described in the previous paragraphs.

8. I observed the following evidence of construction and maintenance performed on the road prior to 1976: I observed graders performing maintenance and construction activities on the road.

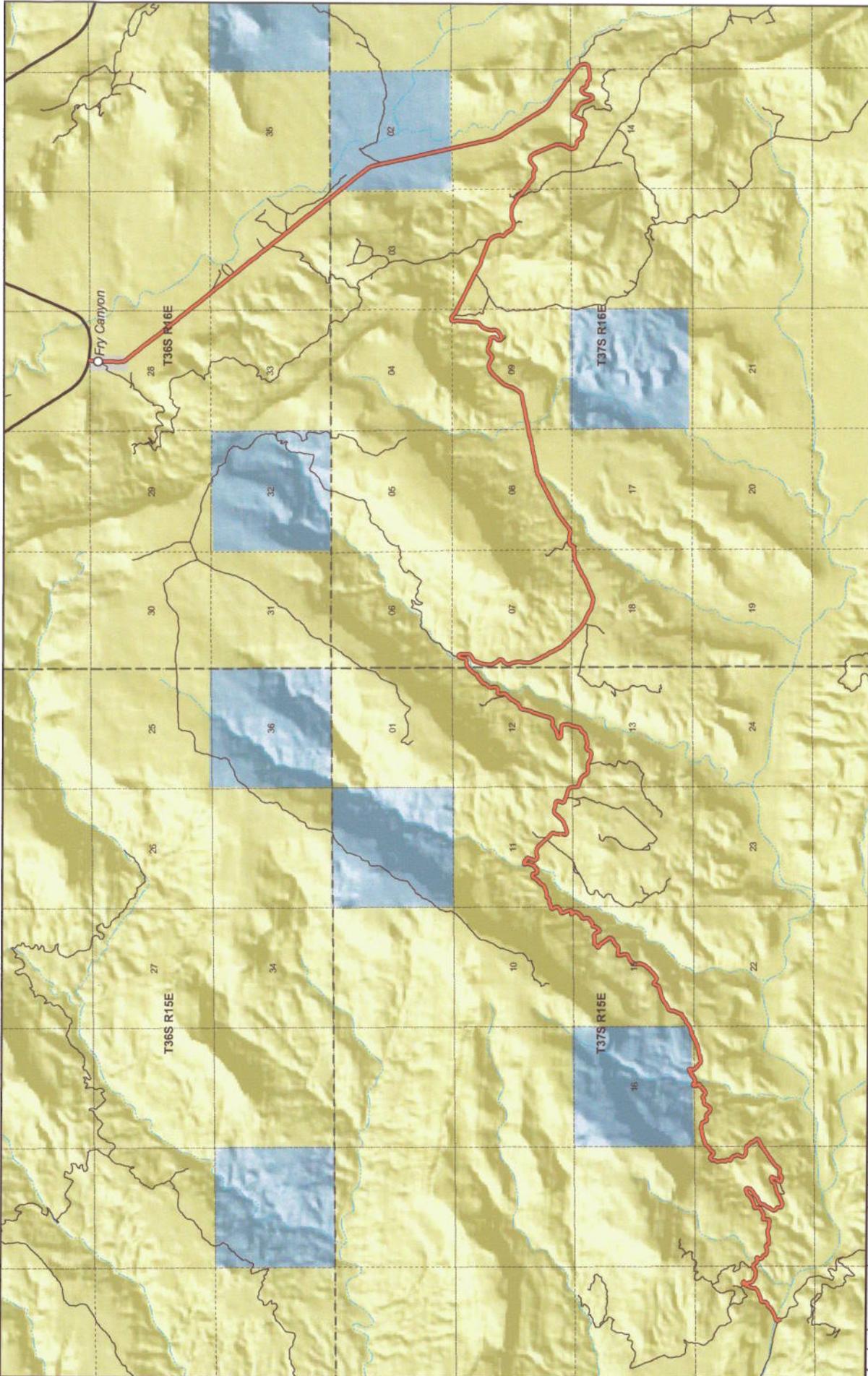
Dated this 17 day of September, 2007.

William B. Redd  
William B. Redd

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



Gloria Schrader  
Notary Public



1:69,037  
1 inch equals 1.1 miles  
Jul 28, 2007

### RADIUM KING County Unique - B258

**Transportation Network**

- RADIUM KING
- State / U.S. Highway
- Local Roads

**Misc**

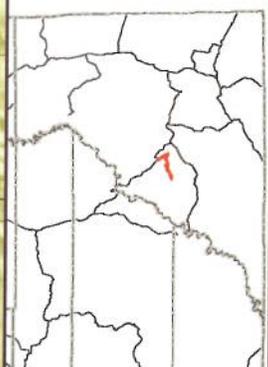
- City / Town
- Municipalities
- Section = 1 Mile

**Land Ownership Categories**

- BLM
- National Recreation Area
- SITLA, State Trust Land
- USFS, National Forest
- National Parks & Monuments (NPS)

**Private**

- Wilderness
- State Park
- Tribal Lands



**AFFIDAVIT OF LYNN L. ADAMS**

**RADIUM KING ROAD**

**SAN JUAN COUNTY, UTAH**

**COUNTY ROAD NUMBER B258**

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 Radium King Road. I am also familiar with the land the road traverses. When I first used and observed the road in 1959, it followed the same route as in 1971, when I last observed it. Attached is a San Juan County map showing Radium King 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 1959 and continuing through to 1971. 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 daily, weather permitting, for more than 10 continuous years prior to 1976.

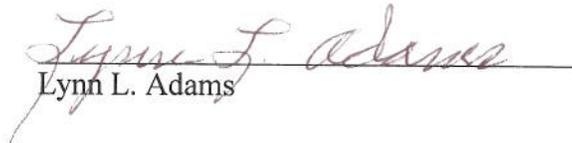
5. Throughout the time period from 1959 to 1971, I have used the road myself for the following uses: mineral prospecting and assessor services.

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, recreation, mining, wood gathering, cedar post cutting, and oil and gas exploration.

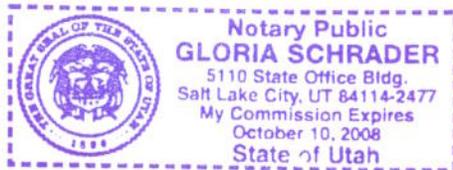
7. It is also the reputation in the community that this road has been open to the public for all to use, to come and go as they pleased, since at least as early as the early 1900s and continuing through 1976 to the present, for the uses described in the previous paragraphs.

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

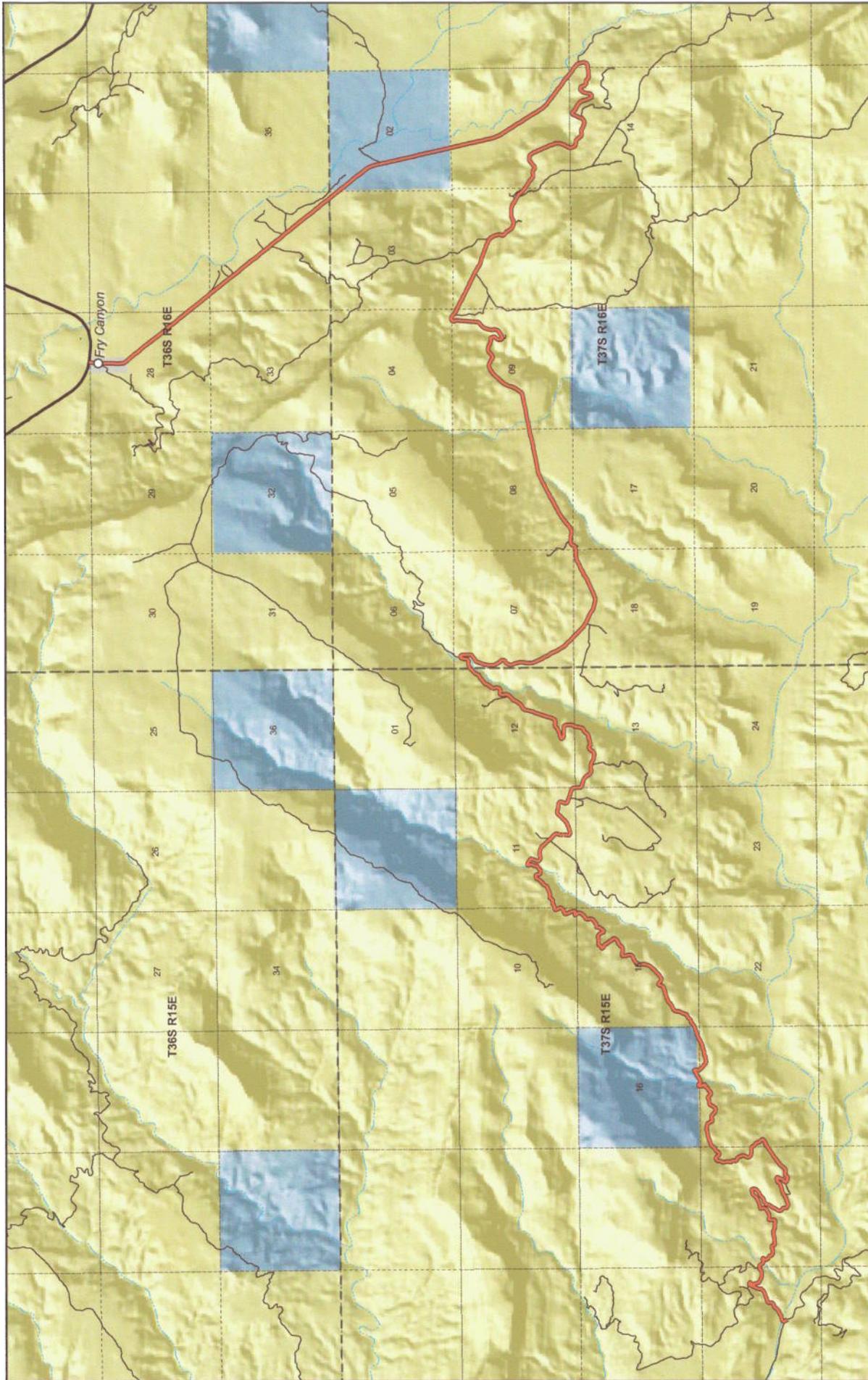
Dated this 17 day of September, 2007.

  
Lynn L. Adams

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



  
Notary Public



### RADIUM KING County Unique - B258

**Land Ownership Categories**

- BLM
- National Recreation Area
- SITLA, State Trust Land
- USFS, National Forest
- National Parks & Monuments (NPS)

**Misc**

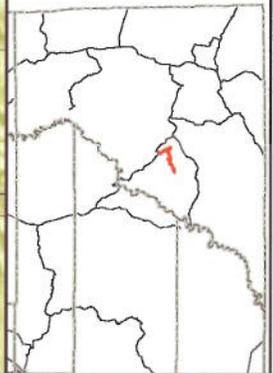
- City / Town
- Municipalities
- Section = 1 Mile

**Transportation Network**

- RADIUM KING
- State / U.S. Highway
- Local Roads



1:69,037  
1 inch equals 1.1 miles  
Jun 25, 2007



## Appendix A to Attachment 4

**Popular Name: RADIUM KING ROAD**

**County: San Juan**

**County Road Number: B258**

**State Geographic Information Database (SGID) Road Identification Number: RD190268.**

**Road-Segment Number: 001**

**Road-Segment Length: 4.27 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 15 East, Section(s) 16,19,20,21, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (RADIUM KING 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 33 minutes 09.75 seconds North Latitude and -110 degrees 18 minutes 05.75 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,987,816.3 feet and Y = 10,167,349.1 feet; thence the following courses along the said road center line:

thence North 29 Degrees 51 Minutes 55 Seconds West 27.3 feet  
thence North 33 Degrees 35 Minutes 00 Seconds West 25.1 feet  
thence North 33 Degrees 59 Minutes 55 Seconds West 30.8 feet  
thence North 32 Degrees 30 Minutes 15 Seconds West 31.4 feet  
thence North 22 Degrees 06 Minutes 35 Seconds West 28.3 feet  
thence North 11 Degrees 27 Minutes 47 Seconds West 23.7 feet  
thence North 03 Degrees 51 Minutes 03 Seconds East 18.1 feet  
thence North 23 Degrees 39 Minutes 14 Seconds East 16.2 feet  
thence North 33 Degrees 22 Minutes 53 Seconds East 14.2 feet  
thence North 53 Degrees 35 Minutes 35 Seconds East 19.5 feet  
thence North 74 Degrees 18 Minutes 54 Seconds East 27.2 feet

thence North 71 Degrees 15 Minutes 23 Seconds East 24.9 feet  
 thence North 63 Degrees 07 Minutes 35 Seconds East 16.1 feet  
 thence North 76 Degrees 35 Minutes 58 Seconds East 14.5 feet  
 thence North 85 Degrees 17 Minutes 33 Seconds East 17.1 feet  
 thence North 80 Degrees 22 Minutes 04 Seconds East 22.3 feet  
 thence North 73 Degrees 13 Minutes 53 Seconds East 30.1 feet  
 thence North 71 Degrees 38 Minutes 37 Seconds East 30.7 feet  
 thence North 80 Degrees 34 Minutes 24 Seconds East 26.9 feet  
 thence North 75 Degrees 30 Minutes 25 Seconds East 30.8 feet  
 thence North 52 Degrees 49 Minutes 17 Seconds East 45.9 feet  
 thence North 56 Degrees 48 Minutes 14 Seconds East 52 feet  
 thence North 68 Degrees 42 Minutes 08 Seconds East 55.9 feet  
 thence North 62 Degrees 09 Minutes 02 Seconds East 60.3 feet  
 thence North 53 Degrees 13 Minutes 19 Seconds East 65.7 feet  
 thence North 42 Degrees 14 Minutes 04 Seconds East 70.4 feet  
 thence North 36 Degrees 17 Minutes 09 Seconds East 68.3 feet  
 thence North 44 Degrees 28 Minutes 30 Seconds East 61.5 feet  
 thence North 59 Degrees 53 Minutes 58 Seconds East 49.5 feet  
 thence North 80 Degrees 25 Minutes 36 Seconds East 46.9 feet  
 thence North 73 Degrees 32 Minutes 49 Seconds East 51.9 feet  
 thence North 43 Degrees 56 Minutes 03 Seconds East 52.7 feet  
 thence North 21 Degrees 14 Minutes 26 Seconds East 55.4 feet  
 thence North 05 Degrees 13 Minutes 45 Seconds West 49.7 feet  
 thence North 08 Degrees 38 Minutes 45 Seconds West 38.5 feet  
 thence North 14 Degrees 15 Minutes 56 Seconds East 50.9 feet  
 thence North 44 Degrees 25 Minutes 38 Seconds East 50.4 feet  
 thence North 69 Degrees 42 Minutes 30 Seconds East 46.1 feet  
 thence North 74 Degrees 45 Minutes 36 Seconds East 45.9 feet  
 thence North 81 Degrees 46 Minutes 14 Seconds East 38.1 feet  
 thence North 68 Degrees 36 Minutes 50 Seconds East 33.8 feet  
 thence North 68 Degrees 24 Minutes 42 Seconds East 33.5 feet  
 thence North 61 Degrees 04 Minutes 51 Seconds East 37 feet  
 thence North 71 Degrees 56 Minutes 48 Seconds East 34.5 feet  
 thence North 70 Degrees 31 Minutes 52 Seconds East 41 feet  
 thence North 68 Degrees 08 Minutes 22 Seconds East 42 feet  
 thence North 71 Degrees 06 Minutes 56 Seconds East 42.2 feet  
 thence North 66 Degrees 15 Minutes 05 Seconds East 51.2 feet  
 thence North 53 Degrees 19 Minutes 20 Seconds East 52.6 feet  
 thence North 53 Degrees 48 Minutes 10 Seconds East 49.8 feet  
 thence North 46 Degrees 21 Minutes 06 Seconds East 32 feet  
 thence North 33 Degrees 59 Minutes 57 Seconds East 33.8 feet  
 thence North 25 Degrees 07 Minutes 39 Seconds East 29.8 feet  
 thence North 06 Degrees 11 Minutes 40 Seconds West 32 feet  
 thence North 00 Degrees 13 Minutes 36 Seconds East 35.1 feet  
 thence North 14 Degrees 43 Minutes 18 Seconds East 36.7 feet  
 thence North 21 Degrees 06 Minutes 15 Seconds East 36 feet  
 thence North 18 Degrees 53 Minutes 25 Seconds East 38.9 feet  
 thence North 13 Degrees 29 Minutes 27 Seconds East 19.3 feet  
 thence North 12 Degrees 55 Minutes 55 Seconds East 17.2 feet

thence North 09 Degrees 45 Minutes 07 Seconds East 20.7 feet  
 thence North 27 Degrees 13 Minutes 00 Seconds East 26.3 feet  
 thence North 36 Degrees 59 Minutes 43 Seconds East 26 feet  
 thence North 28 Degrees 39 Minutes 32 Seconds East 21 feet  
 thence North 23 Degrees 44 Minutes 55 Seconds East 20.1 feet  
 thence North 18 Degrees 30 Minutes 58 Seconds East 15.3 feet  
 thence North 26 Degrees 34 Minutes 10 Seconds East 26.9 feet  
 thence North 25 Degrees 39 Minutes 00 Seconds East 27.7 feet  
 thence North 27 Degrees 55 Minutes 44 Seconds East 20.1 feet  
 thence North 24 Degrees 13 Minutes 45 Seconds East 16.6 feet  
 thence North 16 Degrees 23 Minutes 26 Seconds East 13.7 feet  
 thence North 16 Degrees 37 Minutes 08 Seconds East 7.9 feet  
 thence North 20 Degrees 25 Minutes 01 Seconds East 13 feet  
 thence North 18 Degrees 43 Minutes 01 Seconds East 20.1 feet  
 thence North 18 Degrees 33 Minutes 37 Seconds East 27.4 feet  
 thence North 16 Degrees 10 Minutes 06 Seconds East 24.3 feet  
 thence North 25 Degrees 35 Minutes 52 Seconds East 12.8 feet  
 thence North 45 Degrees 43 Minutes 59 Seconds East 12.8 feet  
 thence North 77 Degrees 55 Minutes 23 Seconds East 8 feet  
 thence South 87 Degrees 26 Minutes 46 Seconds East 13.1 feet  
 thence North 85 Degrees 17 Minutes 33 Seconds East 17.1 feet  
 thence South 80 Degrees 40 Minutes 15 Seconds East 17.6 feet  
 thence South 78 Degrees 38 Minutes 57 Seconds East 21.1 feet  
 thence South 50 Degrees 48 Minutes 03 Seconds East 24.2 feet  
 thence South 05 Degrees 34 Minutes 56 Seconds East 21.4 feet  
 thence South 29 Degrees 33 Minutes 01 Seconds West 20.4 feet  
 thence South 47 Degrees 54 Minutes 25 Seconds West 20.7 feet  
 thence South 52 Degrees 07 Minutes 22 Seconds West 26.9 feet  
 thence South 51 Degrees 09 Minutes 01 Seconds West 24.8 feet  
 thence South 36 Degrees 13 Minutes 13 Seconds West 11 feet  
 thence South 34 Degrees 11 Minutes 59 Seconds West 6.4 feet  
 thence South 21 Degrees 48 Minutes 03 Seconds West 11.3 feet  
 thence South 15 Degrees 38 Minutes 12 Seconds West 14.3 feet  
 thence South 06 Degrees 14 Minutes 15 Seconds West 20.2 feet  
 thence South 02 Degrees 09 Minutes 22 Seconds East 20.4 feet  
 thence South 12 Degrees 34 Minutes 23 Seconds East 15.4 feet  
 thence South 15 Degrees 08 Minutes 06 Seconds East 11.5 feet  
 thence South 20 Degrees 26 Minutes 41 Seconds East 10.5 feet  
 thence South 26 Degrees 52 Minutes 24 Seconds East 13.9 feet  
 thence South 27 Degrees 19 Minutes 16 Seconds East 18.8 feet  
 thence South 33 Degrees 12 Minutes 49 Seconds East 19.9 feet  
 thence South 32 Degrees 24 Minutes 53 Seconds East 19.8 feet  
 thence South 18 Degrees 44 Minutes 36 Seconds East 18.7 feet  
 thence South 11 Degrees 50 Minutes 52 Seconds East 16.1 feet  
 thence South 14 Degrees 02 Minutes 41 Seconds East 3 feet  
 thence South 08 Degrees 44 Minutes 07 Seconds East 17.9 feet  
 thence South 05 Degrees 04 Minutes 19 Seconds East 23.7 feet  
 thence South 03 Degrees 29 Minutes 18 Seconds East 23.7 feet  
 thence South 22 Degrees 55 Minutes 42 Seconds East 29.9 feet

thence South 41 Degrees 42 Minutes 26 Seconds East 33.3 feet  
 thence South 51 Degrees 58 Minutes 30 Seconds East 36 feet  
 thence South 60 Degrees 37 Minutes 04 Seconds East 43.1 feet  
 thence South 67 Degrees 33 Minutes 27 Seconds East 55.2 feet  
 thence South 69 Degrees 28 Minutes 47 Seconds East 64.6 feet  
 thence South 71 Degrees 01 Minutes 06 Seconds East 69.5 feet  
 thence South 81 Degrees 44 Minutes 07 Seconds East 66 feet  
 thence South 86 Degrees 30 Minutes 55 Seconds East 59.5 feet  
 thence North 89 Degrees 41 Minutes 29 Seconds East 53.5 feet  
 thence North 75 Degrees 20 Minutes 57 Seconds East 59.6 feet  
 thence North 61 Degrees 29 Minutes 23 Seconds East 51.4 feet  
 thence North 55 Degrees 07 Minutes 44 Seconds East 35.9 feet  
 thence North 48 Degrees 08 Minutes 53 Seconds East 34.6 feet  
 thence North 49 Degrees 48 Minutes 31 Seconds East 31.2 feet  
 thence North 67 Degrees 30 Minutes 04 Seconds East 26.9 feet  
 thence North 81 Degrees 06 Minutes 28 Seconds East 17.6 feet  
 thence North 80 Degrees 00 Minutes 09 Seconds East 13.7 feet  
 thence South 89 Degrees 38 Minutes 11 Seconds East 11.2 feet  
 thence South 89 Degrees 35 Minutes 27 Seconds East 15.7 feet  
 thence South 75 Degrees 00 Minutes 27 Seconds East 36.1 feet  
 thence South 55 Degrees 10 Minutes 27 Seconds East 43.3 feet  
 thence South 43 Degrees 46 Minutes 51 Seconds East 34.8 feet  
 thence South 29 Degrees 11 Minutes 42 Seconds East 21.7 feet  
 thence South 20 Degrees 36 Minutes 22 Seconds East 25.5 feet  
 thence South 21 Degrees 15 Minutes 51 Seconds East 33 feet  
 thence South 42 Degrees 55 Minutes 21 Seconds East 33.4 feet  
 thence South 66 Degrees 18 Minutes 05 Seconds East 42.8 feet  
 thence South 81 Degrees 57 Minutes 52 Seconds East 49.8 feet  
 thence North 76 Degrees 54 Minutes 17 Seconds East 47.5 feet  
 thence North 52 Degrees 37 Minutes 06 Seconds East 37 feet  
 thence North 71 Degrees 42 Minutes 14 Seconds East 26.6 feet  
 thence South 70 Degrees 19 Minutes 31 Seconds East 19.2 feet  
 thence South 23 Degrees 03 Minutes 34 Seconds East 22.1 feet  
 thence South 19 Degrees 47 Minutes 12 Seconds West 28.7 feet  
 thence South 28 Degrees 41 Minutes 35 Seconds West 34.5 feet  
 thence South 20 Degrees 20 Minutes 38 Seconds West 45.6 feet  
 thence South 05 Degrees 00 Minutes 51 Seconds West 53.1 feet  
 thence South 17 Degrees 15 Minutes 14 Seconds East 43.9 feet  
 thence South 40 Degrees 32 Minutes 41 Seconds East 50.3 feet  
 thence South 57 Degrees 48 Minutes 35 Seconds East 52.5 feet  
 thence South 63 Degrees 44 Minutes 36 Seconds East 49.2 feet  
 thence South 33 Degrees 29 Minutes 13 Seconds East 40.8 feet  
 thence South 21 Degrees 34 Minutes 48 Seconds East 46.1 feet  
 thence South 40 Degrees 30 Minutes 02 Seconds East 49.8 feet  
 thence South 61 Degrees 43 Minutes 25 Seconds East 58.3 feet  
 thence South 72 Degrees 08 Minutes 33 Seconds East 66.3 feet  
 thence North 78 Degrees 47 Minutes 01 Seconds East 64.2 feet  
 thence North 70 Degrees 54 Minutes 10 Seconds East 67.3 feet  
 thence North 74 Degrees 20 Minutes 02 Seconds East 48.3 feet

thence North 73 Degrees 11 Minutes 13 Seconds East 46.2 feet  
 thence South 75 Degrees 18 Minutes 48 Seconds East 38.1 feet  
 thence South 45 Degrees 18 Minutes 30 Seconds East 17.2 feet  
 thence South 45 Degrees 54 Minutes 42 Seconds East 22 feet  
 thence South 31 Degrees 37 Minutes 06 Seconds East 37.3 feet  
 thence South 18 Degrees 03 Minutes 11 Seconds East 43.1 feet  
 thence South 39 Degrees 35 Minutes 52 Seconds East 32.7 feet  
 thence South 76 Degrees 02 Minutes 09 Seconds East 38.6 feet  
 thence North 74 Degrees 32 Minutes 44 Seconds East 45.2 feet  
 thence North 72 Degrees 38 Minutes 17 Seconds East 56 feet  
 thence North 71 Degrees 15 Minutes 23 Seconds East 7.3 feet  
 thence North 77 Degrees 52 Minutes 11 Seconds East 14.4 feet  
 thence North 81 Degrees 33 Minutes 40 Seconds East 7 feet  
 thence North 85 Degrees 52 Minutes 38 Seconds East 9.9 feet  
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 thence North 73 Degrees 04 Minutes 20 Seconds East 33.7 feet  
 thence North 38 Degrees 21 Minutes 04 Seconds East 35.7 feet  
 thence North 32 Degrees 52 Minutes 11 Seconds East 40.8 feet  
 thence North 49 Degrees 16 Minutes 39 Seconds East 43.5 feet more or less to **the ending**

**point at:** 37 degrees 33 minutes 48.36 seconds North Latitude and -110 degrees 15 minutes 53.09 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,998,445.9 feet and Y = 10,171,393.0 feet.

## Appendix B to Attachment 4

**Popular Name: RADIUM KING ROAD**

**County: San Juan**

**County Road Number: B258**

**State Geographic Information Database (SGID) Road Identification Number: RD190268.**

**Road-Segment Number: 003**

**Road-Segment Length: 0.37 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 15 East, Section(s) 16,21, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (RADIUM KING 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 33 minutes 48.42 seconds North Latitude and -110 degrees 15 minutes 49.58 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 1,998,729.0 feet and Y = 10,171,402.7 feet; thence the following courses along the said road center line:

thence South 05 Degrees 12 Minutes 46 Seconds West 9.9 feet  
thence South 01 Degrees 30 Minutes 00 Seconds West 31.2 feet  
thence South 02 Degrees 33 Minutes 15 Seconds East 33.5 feet  
thence South 24 Degrees 51 Minutes 03 Seconds East 31.6 feet  
thence South 24 Degrees 45 Minutes 09 Seconds East 5.6 feet  
thence South 43 Degrees 01 Minutes 04 Seconds East 40.6 feet  
thence South 45 Degrees 18 Minutes 30 Seconds East 27.4 feet  
thence South 44 Degrees 52 Minutes 16 Seconds East 30.4 feet  
thence South 44 Degrees 45 Minutes 27 Seconds East 48.3 feet  
thence South 49 Degrees 53 Minutes 31 Seconds East 55.2 feet  
thence South 50 Degrees 27 Minutes 31 Seconds East 54.3 feet

thence South 51 Degrees 48 Minutes 51 Seconds East 53.3 feet  
 thence South 53 Degrees 34 Minutes 04 Seconds East 58.2 feet  
 thence South 68 Degrees 42 Minutes 28 Seconds East 69.5 feet  
 thence North 86 Degrees 55 Minutes 16 Seconds East 61.1 feet  
 thence North 83 Degrees 37 Minutes 08 Seconds East 46.5 feet  
 thence North 88 Degrees 55 Minutes 57 Seconds East 49.6 feet  
 thence North 73 Degrees 49 Minutes 55 Seconds East 60 feet  
 thence North 61 Degrees 09 Minutes 05 Seconds East 63.9 feet  
 thence North 73 Degrees 49 Minutes 55 Seconds East 60 feet  
 thence North 81 Degrees 37 Minutes 16 Seconds East 44.4 feet  
 thence North 80 Degrees 41 Minutes 22 Seconds East 33.6 feet  
 thence North 85 Degrees 30 Minutes 23 Seconds East 27 feet  
 thence North 85 Degrees 56 Minutes 22 Seconds East 20.1 feet  
 thence North 80 Degrees 07 Minutes 29 Seconds East 29.6 feet  
 thence North 68 Degrees 33 Minutes 05 Seconds East 26.4 feet  
 thence North 69 Degrees 32 Minutes 22 Seconds East 38.1 feet  
 thence North 73 Degrees 37 Minutes 53 Seconds East 45.1 feet  
 thence North 74 Degrees 10 Minutes 02 Seconds East 36.8 feet  
 thence North 82 Degrees 00 Minutes 44 Seconds East 29.5 feet  
 thence North 72 Degrees 59 Minutes 31 Seconds East 37.7 feet  
 thence North 66 Degrees 32 Minutes 54 Seconds East 44.3 feet  
 thence North 71 Degrees 35 Minutes 15 Seconds East 35.9 feet  
 thence North 56 Degrees 51 Minutes 46 Seconds East 24.2 feet  
 thence North 50 Degrees 40 Minutes 46 Seconds East 33.4 feet  
 thence North 64 Degrees 57 Minutes 06 Seconds East 36.9 feet  
 thence North 76 Degrees 36 Minutes 44 Seconds East 33.4 feet  
 thence North 79 Degrees 09 Minutes 08 Seconds East 28.7 feet  
 thence North 59 Degrees 17 Minutes 33 Seconds East 28.5 feet  
 thence North 59 Degrees 10 Minutes 52 Seconds East 42.7 feet  
 thence North 63 Degrees 44 Minutes 14 Seconds East 27.5 feet  
 thence North 63 Degrees 41 Minutes 02 Seconds East 30.2 feet  
 thence North 65 Degrees 14 Minutes 50 Seconds East 59.5 feet  
 thence North 58 Degrees 16 Minutes 46 Seconds East 50.4 feet  
 thence North 59 Degrees 13 Minutes 33 Seconds East 51.8 feet  
 thence North 65 Degrees 09 Minutes 38 Seconds East 53.8 feet  
 thence North 80 Degrees 58 Minutes 26 Seconds East 49.8 feet  
 thence North 76 Degrees 25 Minutes 41 Seconds East 47.2 feet  
 thence North 77 Degrees 02 Minutes 11 Seconds East 30.7 feet more or less to **the ending**

**point at:** 37 degrees 33 minutes 48.79 seconds North Latitude and -110 degrees 15 minutes 28.66 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,000,412.8 feet and Y = 10,171,462.2 feet.

## Appendix C to Attachment 4

**Popular Name: RADIUM KING ROAD**

**County: San Juan**

**County Road Number: B258**

**State Geographic Information Database (SGID) Road Identification Number: RD190268.**

**Road-Segment Number: 005**

**Road-Segment Length: 14.67 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 15 East, Section(s) 10,11,12,13,14,15, Salt Lake Base & Meridian

Township 37 South Range 16 East, Section(s) 2,4,7,8,9,10,11,13,14,17,18, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (RADIUM KING 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 33 minutes 49.51 seconds North Latitude and -110 degrees 15 minutes 26.13 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,000,615.1 feet and Y = 10,171,537.6 feet; thence the following courses along the said road center line:

thence North 58 Degrees 49 Minutes 16 Seconds East	34.4 feet
thence North 55 Degrees 50 Minutes 25 Seconds East	32.4 feet
thence North 51 Degrees 26 Minutes 54 Seconds East	49.3 feet
thence North 49 Degrees 40 Minutes 50 Seconds East	58.7 feet
thence North 55 Degrees 30 Minutes 38 Seconds East	53.2 feet
thence North 63 Degrees 07 Minutes 34 Seconds East	43.3 feet
thence North 64 Degrees 22 Minutes 02 Seconds East	40.7 feet
thence North 62 Degrees 23 Minutes 30 Seconds East	45.8 feet
thence North 52 Degrees 14 Minutes 51 Seconds East	45.9 feet
thence North 48 Degrees 28 Minutes 00 Seconds East	45.8 feet

thence North 49 Degrees 56 Minutes 18 Seconds East 45.7 feet  
thence North 52 Degrees 34 Minutes 59 Seconds East 47.3 feet  
thence North 61 Degrees 20 Minutes 29 Seconds East 51.8 feet  
thence North 58 Degrees 39 Minutes 22 Seconds East 45.2 feet  
thence North 38 Degrees 00 Minutes 16 Seconds East 33.9 feet  
thence North 20 Degrees 56 Minutes 30 Seconds East 31.7 feet  
thence North 12 Degrees 41 Minutes 09 Seconds East 26.3 feet  
thence North 12 Degrees 29 Minutes 44 Seconds East 44.4 feet  
thence North 18 Degrees 28 Minutes 35 Seconds East 51 feet  
thence North 28 Degrees 31 Minutes 09 Seconds East 48.3 feet  
thence North 29 Degrees 34 Minutes 40 Seconds East 32.9 feet  
thence North 24 Degrees 42 Minutes 29 Seconds East 21.7 feet  
thence North 22 Degrees 31 Minutes 30 Seconds East 33.8 feet  
thence North 25 Degrees 28 Minutes 43 Seconds East 32.4 feet  
thence North 15 Degrees 14 Minutes 45 Seconds East 33 feet  
thence North 04 Degrees 33 Minutes 55 Seconds East 42.5 feet  
thence North 07 Degrees 13 Minutes 51 Seconds East 45 feet  
thence North 12 Degrees 18 Minutes 18 Seconds East 48.1 feet  
thence North 26 Degrees 05 Minutes 28 Seconds East 50.9 feet  
thence North 46 Degrees 27 Minutes 13 Seconds East 60.4 feet  
thence North 59 Degrees 37 Minutes 22 Seconds East 7.2 feet  
thence North 67 Degrees 53 Minutes 24 Seconds East 33.6 feet  
thence North 60 Degrees 50 Minutes 08 Seconds East 18.4 feet  
thence North 57 Degrees 32 Minutes 20 Seconds East 13.6 feet  
thence North 61 Degrees 30 Minutes 46 Seconds East 10.4 feet  
thence North 69 Degrees 56 Minutes 40 Seconds East 13.6 feet  
thence North 76 Degrees 15 Minutes 37 Seconds East 22.6 feet  
thence North 69 Degrees 45 Minutes 57 Seconds East 27.9 feet  
thence North 54 Degrees 05 Minutes 12 Seconds East 32.7 feet  
thence North 57 Degrees 28 Minutes 29 Seconds East 28.3 feet  
thence North 58 Degrees 19 Minutes 41 Seconds East 40.4 feet  
thence North 52 Degrees 11 Minutes 40 Seconds East 48 feet  
thence North 52 Degrees 17 Minutes 09 Seconds East 42.1 feet  
thence North 49 Degrees 48 Minutes 52 Seconds East 33.8 feet  
thence North 50 Degrees 46 Minutes 47 Seconds East 35 feet  
thence North 60 Degrees 12 Minutes 00 Seconds East 46 feet  
thence North 59 Degrees 56 Minutes 47 Seconds East 55.6 feet  
thence North 59 Degrees 33 Minutes 00 Seconds East 47.1 feet  
thence North 71 Degrees 33 Minutes 40 Seconds East 39 feet  
thence North 80 Degrees 24 Minutes 28 Seconds East 34.6 feet  
thence North 85 Degrees 07 Minutes 03 Seconds East 32.9 feet  
thence North 77 Degrees 24 Minutes 11 Seconds East 33.9 feet  
thence North 75 Degrees 55 Minutes 50 Seconds East 33.1 feet  
thence North 66 Degrees 45 Minutes 33 Seconds East 27.8 feet  
thence North 66 Degrees 57 Minutes 42 Seconds East 26.3 feet  
thence North 70 Degrees 05 Minutes 14 Seconds East 25.4 feet  
thence North 73 Degrees 18 Minutes 06 Seconds East 29.1 feet  
thence North 75 Degrees 13 Minutes 16 Seconds East 31.5 feet  
thence North 70 Degrees 12 Minutes 53 Seconds East 28.5 feet

thence North 69 Degrees 42 Minutes 29 Seconds East 30.7 feet  
 thence North 69 Degrees 22 Minutes 05 Seconds East 37.8 feet  
 thence North 73 Degrees 40 Minutes 48 Seconds East 39.3 feet  
 thence North 75 Degrees 39 Minutes 18 Seconds East 39.2 feet  
 thence North 71 Degrees 05 Minutes 28 Seconds East 36 feet  
 thence North 51 Degrees 18 Minutes 17 Seconds East 32.2 feet  
 thence North 27 Degrees 59 Minutes 31 Seconds East 38.8 feet  
 thence North 19 Degrees 13 Minutes 41 Seconds East 43.2 feet  
 thence North 12 Degrees 04 Minutes 56 Seconds East 44.4 feet  
 thence North 15 Degrees 45 Minutes 28 Seconds East 42.7 feet  
 thence North 36 Degrees 33 Minutes 40 Seconds East 26.3 feet  
 thence North 49 Degrees 32 Minutes 07 Seconds East 13.7 feet  
 thence North 66 Degrees 34 Minutes 38 Seconds East 29.3 feet  
 thence South 73 Degrees 59 Minutes 40 Seconds East 42.1 feet  
 thence South 45 Degrees 54 Minutes 19 Seconds East 44.6 feet  
 thence South 43 Degrees 28 Minutes 40 Seconds East 50.8 feet  
 thence South 47 Degrees 40 Minutes 11 Seconds East 45.1 feet  
 thence South 60 Degrees 20 Minutes 30 Seconds East 42 feet  
 thence South 88 Degrees 27 Minutes 39 Seconds East 40.7 feet  
 thence North 63 Degrees 31 Minutes 22 Seconds East 42.4 feet  
 thence North 48 Degrees 00 Minutes 52 Seconds East 36 feet  
 thence North 51 Degrees 28 Minutes 15 Seconds East 33.4 feet  
 thence North 65 Degrees 19 Minutes 44 Seconds East 38.2 feet  
 thence North 63 Degrees 36 Minutes 20 Seconds East 35.1 feet  
 thence North 64 Degrees 54 Minutes 58 Seconds East 32.9 feet  
 thence North 55 Degrees 04 Minutes 31 Seconds East 45.1 feet  
 thence North 43 Degrees 17 Minutes 39 Seconds East 57.1 feet  
 thence North 40 Degrees 39 Minutes 04 Seconds East 62.6 feet  
 thence North 44 Degrees 29 Minutes 25 Seconds East 66.1 feet  
 thence North 48 Degrees 04 Minutes 57 Seconds East 62.8 feet  
 thence North 43 Degrees 47 Minutes 21 Seconds East 59 feet  
 thence North 42 Degrees 42 Minutes 59 Seconds East 47.1 feet  
 thence North 38 Degrees 56 Minutes 50 Seconds East 39.4 feet  
 thence North 39 Degrees 44 Minutes 09 Seconds East 40.3 feet  
 thence North 37 Degrees 24 Minutes 08 Seconds East 40.2 feet  
 thence North 32 Degrees 53 Minutes 03 Seconds East 42 feet  
 thence North 28 Degrees 14 Minutes 15 Seconds East 46.7 feet  
 thence North 24 Degrees 18 Minutes 08 Seconds East 56 feet  
 thence North 17 Degrees 49 Minutes 27 Seconds East 59.1 feet  
 thence North 15 Degrees 14 Minutes 45 Seconds East 33 feet  
 thence North 15 Degrees 53 Minutes 42 Seconds East 40 feet  
 thence North 01 Degrees 34 Minutes 53 Seconds West 59.1 feet  
 thence North 17 Degrees 44 Minutes 46 Seconds West 53.7 feet  
 thence North 00 Degrees 08 Minutes 33 Seconds East 41.7 feet  
 thence North 07 Degrees 28 Minutes 42 Seconds East 38.8 feet  
 thence North 09 Degrees 17 Minutes 25 Seconds East 45.3 feet  
 thence North 22 Degrees 27 Minutes 12 Seconds East 50.9 feet  
 thence North 26 Degrees 52 Minutes 21 Seconds East 54.6 feet  
 thence North 29 Degrees 48 Minutes 56 Seconds East 30.7 feet

thence North 45 Degrees 05 Minutes 31 Seconds East 66.4 feet  
thence North 57 Degrees 24 Minutes 56 Seconds East 51.6 feet  
thence North 61 Degrees 30 Minutes 46 Seconds East 52.1 feet  
thence North 60 Degrees 08 Minutes 28 Seconds East 47.9 feet  
thence North 75 Degrees 22 Minutes 07 Seconds East 47.8 feet  
thence North 79 Degrees 08 Minutes 36 Seconds East 48.4 feet  
thence North 60 Degrees 29 Minutes 01 Seconds East 47.8 feet  
thence North 27 Degrees 15 Minutes 31 Seconds East 50.3 feet  
thence North 07 Degrees 27 Minutes 23 Seconds East 43.7 feet  
thence North 06 Degrees 05 Minutes 44 Seconds East 32.4 feet  
thence North 04 Degrees 32 Minutes 40 Seconds East 34.9 feet  
thence North 10 Degrees 22 Minutes 09 Seconds West 41.3 feet  
thence North 15 Degrees 18 Minutes 35 Seconds West 52 feet  
thence North 17 Degrees 06 Minutes 03 Seconds West 57.9 feet  
thence North 12 Degrees 33 Minutes 27 Seconds West 51 feet  
thence North 05 Degrees 20 Minutes 15 Seconds West 41.2 feet  
thence North 16 Degrees 30 Minutes 46 Seconds East 44.2 feet  
thence North 54 Degrees 12 Minutes 26 Seconds East 40.7 feet  
thence South 87 Degrees 40 Minutes 33 Seconds East 28.6 feet  
thence South 63 Degrees 59 Minutes 06 Seconds East 34.8 feet  
thence South 77 Degrees 11 Minutes 57 Seconds East 49.2 feet  
thence South 88 Degrees 29 Minutes 24 Seconds East 41.4 feet  
thence South 78 Degrees 21 Minutes 07 Seconds East 28.5 feet  
thence South 88 Degrees 16 Minutes 52 Seconds East 37.1 feet  
thence North 73 Degrees 48 Minutes 15 Seconds East 44.4 feet  
thence North 85 Degrees 44 Minutes 46 Seconds East 47.7 feet  
thence North 77 Degrees 55 Minutes 23 Seconds East 48.3 feet  
thence North 44 Degrees 24 Minutes 02 Seconds East 45.7 feet  
thence North 31 Degrees 02 Minutes 54 Seconds East 49.2 feet  
thence North 48 Degrees 16 Minutes 04 Seconds East 52.1 feet  
thence North 53 Degrees 56 Minutes 15 Seconds East 40.4 feet  
thence North 47 Degrees 05 Minutes 30 Seconds East 38.8 feet  
thence North 59 Degrees 33 Minutes 00 Seconds East 35.3 feet  
thence North 73 Degrees 48 Minutes 04 Seconds East 46.7 feet  
thence North 62 Degrees 09 Minutes 19 Seconds East 43.3 feet  
thence North 52 Degrees 27 Minutes 23 Seconds East 30.9 feet  
thence North 52 Degrees 27 Minutes 23 Seconds East 30.9 feet  
thence North 40 Degrees 44 Minutes 46 Seconds East 40.5 feet  
thence North 33 Degrees 39 Minutes 32 Seconds East 37.6 feet  
thence North 08 Degrees 12 Minutes 00 Seconds East 42.1 feet  
thence North 23 Degrees 03 Minutes 34 Seconds West 44.1 feet  
thence North 40 Degrees 02 Minutes 04 Seconds West 30.3 feet  
thence North 40 Degrees 06 Minutes 50 Seconds West 2.6 feet  
thence North 37 Degrees 56 Minutes 05 Seconds West 19.9 feet  
thence North 29 Degrees 21 Minutes 47 Seconds West 37.2 feet  
thence North 31 Degrees 58 Minutes 09 Seconds West 46.3 feet  
thence North 38 Degrees 53 Minutes 23 Seconds West 37.4 feet  
thence North 37 Degrees 41 Minutes 03 Seconds West 29.7 feet  
thence North 43 Degrees 17 Minutes 13 Seconds West 39.5 feet

thence North 41 Degrees 29 Minutes 40 Seconds West 45.4 feet  
thence North 36 Degrees 02 Minutes 53 Seconds West 43.3 feet  
thence North 30 Degrees 36 Minutes 00 Seconds West 38.4 feet  
thence North 27 Degrees 18 Minutes 45 Seconds West 38.3 feet  
thence North 33 Degrees 51 Minutes 33 Seconds West 37.4 feet  
thence North 58 Degrees 06 Minutes 46 Seconds West 41.9 feet  
thence North 59 Degrees 24 Minutes 49 Seconds West 46.7 feet  
thence North 56 Degrees 18 Minutes 17 Seconds West 49.9 feet  
thence North 49 Degrees 12 Minutes 07 Seconds West 44.4 feet  
thence North 08 Degrees 15 Minutes 07 Seconds West 28.5 feet  
thence North 43 Degrees 31 Minutes 20 Seconds East 22.7 feet  
thence North 67 Degrees 40 Minutes 48 Seconds East 16.6 feet  
thence North 76 Degrees 20 Minutes 33 Seconds East 19.9 feet  
thence North 74 Degrees 34 Minutes 02 Seconds East 25.2 feet  
thence North 55 Degrees 28 Minutes 32 Seconds East 29.8 feet  
thence North 31 Degrees 41 Minutes 48 Seconds East 31 feet  
thence North 30 Degrees 22 Minutes 07 Seconds East 22.5 feet  
thence North 35 Degrees 43 Minutes 07 Seconds East 17.9 feet  
thence North 45 Degrees 14 Minutes 13 Seconds East 24.4 feet  
thence North 51 Degrees 59 Minutes 50 Seconds East 18.2 feet  
thence North 61 Degrees 28 Minutes 26 Seconds East 15.3 feet  
thence North 68 Degrees 19 Minutes 15 Seconds East 8.1 feet  
thence North 82 Degrees 18 Minutes 19 Seconds East 17.9 feet  
thence North 85 Degrees 52 Minutes 38 Seconds East 24.7 feet  
thence South 83 Degrees 35 Minutes 55 Seconds East 28.1 feet  
thence South 81 Degrees 36 Minutes 22 Seconds East 32.5 feet  
thence South 85 Degrees 54 Minutes 35 Seconds East 30 feet  
thence South 87 Degrees 34 Minutes 55 Seconds East 20.7 feet  
thence South 88 Degrees 43 Minutes 02 Seconds East 11.8 feet  
thence South 85 Degrees 40 Minutes 22 Seconds East 24.4 feet  
thence South 89 Degrees 42 Minutes 42 Seconds East 31.5 feet  
thence North 74 Degrees 55 Minutes 20 Seconds East 37.3 feet  
thence North 70 Degrees 15 Minutes 05 Seconds East 35.5 feet  
thence North 78 Degrees 52 Minutes 06 Seconds East 22.7 feet  
thence South 88 Degrees 58 Minutes 34 Seconds East 14.1 feet  
thence South 80 Degrees 44 Minutes 30 Seconds East 29.6 feet  
thence South 61 Degrees 01 Minutes 01 Seconds East 30.9 feet  
thence South 43 Degrees 57 Minutes 19 Seconds East 29.5 feet  
thence South 38 Degrees 11 Minutes 00 Seconds East 37.4 feet  
thence South 45 Degrees 54 Minutes 41 Seconds East 44.1 feet  
thence South 34 Degrees 36 Minutes 33 Seconds East 51.2 feet  
thence South 17 Degrees 48 Minutes 46 Seconds East 44.7 feet  
thence South 18 Degrees 22 Minutes 08 Seconds East 31.8 feet  
thence South 38 Degrees 07 Minutes 27 Seconds East 27.8 feet  
thence South 74 Degrees 38 Minutes 25 Seconds East 27.9 feet  
thence North 65 Degrees 40 Minutes 34 Seconds East 36.3 feet  
thence North 36 Degrees 12 Minutes 35 Seconds East 53.5 feet  
thence North 37 Degrees 50 Minutes 31 Seconds East 161.5 feet  
thence North 07 Degrees 23 Minutes 15 Seconds East 49 feet

thence North 08 Degrees 26 Minutes 15 Seconds East 30.2 feet  
thence North 15 Degrees 59 Minutes 07 Seconds East 22.2 feet  
thence North 41 Degrees 40 Minutes 43 Seconds East 22.1 feet  
thence North 75 Degrees 55 Minutes 11 Seconds East 34.5 feet  
thence North 85 Degrees 47 Minutes 27 Seconds East 43.4 feet  
thence North 77 Degrees 27 Minutes 19 Seconds East 27.9 feet  
thence North 70 Degrees 52 Minutes 00 Seconds East 30.5 feet  
thence North 60 Degrees 41 Minutes 23 Seconds East 34.5 feet  
thence North 49 Degrees 12 Minutes 58 Seconds East 32.4 feet  
thence North 49 Degrees 46 Minutes 39 Seconds East 44.5 feet  
thence North 53 Degrees 14 Minutes 03 Seconds East 54.7 feet  
thence North 53 Degrees 49 Minutes 17 Seconds East 52.6 feet  
thence North 34 Degrees 13 Minutes 10 Seconds East 49.8 feet  
thence North 15 Degrees 53 Minutes 31 Seconds East 50.6 feet  
thence North 05 Degrees 11 Minutes 16 Seconds West 54 feet  
thence North 10 Degrees 43 Minutes 20 Seconds West 61.7 feet  
thence North 05 Degrees 14 Minutes 08 Seconds West 57.3 feet  
thence North 15 Degrees 52 Minutes 50 Seconds East 53 feet  
thence North 51 Degrees 40 Minutes 21 Seconds East 45.8 feet  
thence North 68 Degrees 52 Minutes 14 Seconds East 49.9 feet  
thence North 53 Degrees 42 Minutes 38 Seconds East 59.2 feet  
thence North 34 Degrees 41 Minutes 00 Seconds East 60.1 feet  
thence North 49 Degrees 58 Minutes 08 Seconds East 58 feet  
thence North 42 Degrees 31 Minutes 49 Seconds East 49.2 feet  
thence North 08 Degrees 17 Minutes 45 Seconds East 50.5 feet  
thence North 05 Degrees 00 Minutes 51 Seconds East 53.1 feet  
thence North 04 Degrees 55 Minutes 59 Seconds East 35.9 feet  
thence North 09 Degrees 09 Minutes 13 Seconds East 14 feet  
thence North 01 Degrees 23 Minutes 21 Seconds West 17.4 feet  
thence North 21 Degrees 42 Minutes 29 Seconds West 26.1 feet  
thence North 54 Degrees 09 Minutes 01 Seconds West 4.2 feet  
thence North 54 Degrees 18 Minutes 42 Seconds West 18.1 feet  
thence North 80 Degrees 26 Minutes 33 Seconds West 23 feet  
thence North 61 Degrees 31 Minutes 18 Seconds West 34.1 feet  
thence North 08 Degrees 02 Minutes 13 Seconds West 46.4 feet  
thence North 48 Degrees 03 Minutes 28 Seconds East 4 feet  
thence North 71 Degrees 15 Minutes 23 Seconds East 22.8 feet  
thence South 78 Degrees 43 Minutes 40 Seconds East 40.9 feet  
thence South 76 Degrees 47 Minutes 45 Seconds East 43.5 feet  
thence North 72 Degrees 13 Minutes 00 Seconds East 37.2 feet  
thence North 40 Degrees 12 Minutes 59 Seconds East 26.8 feet  
thence North 31 Degrees 03 Minutes 52 Seconds East 15.8 feet  
thence North 12 Degrees 05 Minutes 20 Seconds West 125.4 feet  
thence North 23 Degrees 30 Minutes 25 Seconds West 35 feet  
thence North 28 Degrees 20 Minutes 32 Seconds West 28.6 feet  
thence North 28 Degrees 30 Minutes 57 Seconds West 41 feet  
thence North 31 Degrees 40 Minutes 18 Seconds West 40.4 feet  
thence North 23 Degrees 34 Minutes 52 Seconds West 33.2 feet  
thence North 07 Degrees 33 Minutes 10 Seconds West 39 feet

thence North 07 Degrees 44 Minutes 23 Seconds West 38.1 feet  
thence North 01 Degrees 03 Minutes 09 Seconds West 25.3 feet  
thence North 32 Degrees 28 Minutes 32 Seconds East 23 feet  
thence North 59 Degrees 56 Minutes 47 Seconds East 34.4 feet  
thence North 74 Degrees 41 Minutes 11 Seconds East 33 feet  
thence North 68 Degrees 26 Minutes 27 Seconds East 31.7 feet  
thence North 59 Degrees 56 Minutes 47 Seconds East 29.1 feet  
thence North 50 Degrees 56 Minutes 00 Seconds East 29.9 feet  
thence North 43 Degrees 03 Minutes 17 Seconds East 8.1 feet  
thence North 47 Degrees 25 Minutes 04 Seconds East 14.6 feet  
thence North 50 Degrees 44 Minutes 08 Seconds East 19.8 feet  
thence North 59 Degrees 04 Minutes 22 Seconds East 18.7 feet  
thence North 50 Degrees 24 Minutes 07 Seconds East 42 feet  
thence North 36 Degrees 42 Minutes 41 Seconds East 25.1 feet  
thence North 25 Degrees 07 Minutes 06 Seconds East 33.2 feet  
thence North 25 Degrees 02 Minutes 15 Seconds East 10.3 feet  
thence North 03 Degrees 57 Minutes 38 Seconds West 30.9 feet  
thence North 36 Degrees 37 Minutes 33 Seconds West 4.8 feet  
thence North 36 Degrees 36 Minutes 32 Seconds West 15.2 feet  
thence North 41 Degrees 03 Minutes 16 Seconds West 28.2 feet  
thence North 33 Degrees 59 Minutes 54 Seconds West 37.9 feet  
thence North 27 Degrees 42 Minutes 03 Seconds West 40.7 feet  
thence North 22 Degrees 58 Minutes 04 Seconds West 36.6 feet  
thence North 11 Degrees 00 Minutes 17 Seconds West 30.1 feet  
thence North 11 Degrees 00 Minutes 05 Seconds East 20.1 feet  
thence North 20 Degrees 00 Minutes 52 Seconds East 18.9 feet  
thence North 56 Degrees 14 Minutes 17 Seconds East 22 feet  
thence North 63 Degrees 48 Minutes 16 Seconds East 24.8 feet  
thence North 85 Degrees 44 Minutes 12 Seconds East 33.8 feet  
thence North 85 Degrees 41 Minutes 16 Seconds East 27.7 feet  
thence South 89 Degrees 26 Minutes 48 Seconds East 43.7 feet  
thence North 66 Degrees 35 Minutes 40 Seconds East 48.5 feet  
thence North 47 Degrees 14 Minutes 10 Seconds East 41.8 feet  
thence North 56 Degrees 00 Minutes 05 Seconds East 36.7 feet  
thence North 71 Degrees 27 Minutes 59 Seconds East 28.3 feet  
thence North 85 Degrees 39 Minutes 47 Seconds East 23.4 feet  
thence South 78 Degrees 59 Minutes 54 Seconds East 26.8 feet  
thence South 74 Degrees 04 Minutes 34 Seconds East 27 feet  
thence South 89 Degrees 27 Minutes 12 Seconds East 22 feet  
thence North 71 Degrees 37 Minutes 09 Seconds East 32.8 feet  
thence North 57 Degrees 01 Minutes 50 Seconds East 15.2 feet  
thence North 50 Degrees 56 Minutes 44 Seconds East 34.1 feet  
thence North 41 Degrees 57 Minutes 54 Seconds East 34.2 feet  
thence North 33 Degrees 46 Minutes 07 Seconds East 40.4 feet  
thence North 45 Degrees 26 Minutes 08 Seconds East 35.7 feet  
thence North 67 Degrees 53 Minutes 24 Seconds East 24.7 feet  
thence North 81 Degrees 12 Minutes 09 Seconds East 22.2 feet  
thence North 89 Degrees 41 Minutes 29 Seconds East 41 feet  
thence South 85 Degrees 57 Minutes 54 Seconds East 52 feet

thence North 85 Degrees 01 Minutes 02 Seconds East 52.4 feet  
thence North 79 Degrees 16 Minutes 31 Seconds East 45.4 feet  
thence North 69 Degrees 02 Minutes 40 Seconds East 24.2 feet  
thence North 61 Degrees 44 Minutes 26 Seconds East 18.2 feet  
thence North 61 Degrees 35 Minutes 06 Seconds East 32.7 feet  
thence North 63 Degrees 07 Minutes 35 Seconds East 21.3 feet  
thence North 61 Degrees 11 Minutes 45 Seconds East 13.1 feet  
thence North 67 Degrees 40 Minutes 06 Seconds East 31.5 feet  
thence North 68 Degrees 33 Minutes 26 Seconds East 41.9 feet  
thence North 73 Degrees 54 Minutes 38 Seconds East 31.4 feet  
thence North 73 Degrees 53 Minutes 56 Seconds East 33.8 feet  
thence North 50 Degrees 53 Minutes 16 Seconds East 40.8 feet  
thence North 34 Degrees 14 Minutes 45 Seconds East 42.2 feet  
thence North 23 Degrees 15 Minutes 58 Seconds East 39.4 feet  
thence North 26 Degrees 02 Minutes 45 Seconds East 39.9 feet  
thence North 35 Degrees 13 Minutes 45 Seconds East 28.2 feet  
thence North 43 Degrees 29 Minutes 07 Seconds East 44.1 feet  
thence North 49 Degrees 49 Minutes 40 Seconds East 41.5 feet  
thence North 53 Degrees 39 Minutes 50 Seconds East 44.6 feet  
thence North 38 Degrees 49 Minutes 39 Seconds East 43.2 feet  
thence North 35 Degrees 59 Minutes 21 Seconds East 46 feet  
thence North 42 Degrees 19 Minutes 48 Seconds East 45.1 feet  
thence North 47 Degrees 38 Minutes 52 Seconds East 49.5 feet  
thence North 27 Degrees 55 Minutes 24 Seconds East 55.5 feet  
thence North 18 Degrees 43 Minutes 01 Seconds East 40.3 feet  
thence North 36 Degrees 09 Minutes 38 Seconds East 18.8 feet  
thence North 52 Degrees 58 Minutes 02 Seconds East 25.8 feet  
thence North 58 Degrees 14 Minutes 04 Seconds East 32.7 feet  
thence North 65 Degrees 36 Minutes 57 Seconds East 33.8 feet  
thence North 87 Degrees 22 Minutes 40 Seconds East 32.5 feet  
thence South 78 Degrees 53 Minutes 33 Seconds East 34.8 feet  
thence South 57 Degrees 34 Minutes 23 Seconds East 32.8 feet  
thence South 18 Degrees 44 Minutes 36 Seconds East 25.9 feet  
thence South 07 Degrees 35 Minutes 00 Seconds East 31.1 feet  
thence South 05 Degrees 23 Minutes 17 Seconds East 44.5 feet  
thence South 06 Degrees 22 Minutes 12 Seconds East 37.3 feet  
thence South 09 Degrees 46 Minutes 14 Seconds East 20 feet  
thence South 42 Degrees 21 Minutes 27 Seconds East 22.5 feet  
thence South 69 Degrees 45 Minutes 08 Seconds East 8.4 feet  
thence South 80 Degrees 23 Minutes 12 Seconds East 100.9 feet  
thence North 82 Degrees 33 Minutes 59 Seconds East 15.9 feet  
thence North 68 Degrees 31 Minutes 48 Seconds East 32.7 feet  
thence North 49 Degrees 38 Minutes 49 Seconds East 40.3 feet  
thence North 40 Degrees 15 Minutes 10 Seconds East 51 feet  
thence North 53 Degrees 54 Minutes 55 Seconds East 55 feet  
thence North 56 Degrees 27 Minutes 35 Seconds East 45.5 feet  
thence North 41 Degrees 50 Minutes 57 Seconds East 32.8 feet  
thence North 18 Degrees 07 Minutes 35 Seconds East 34.2 feet  
thence North 11 Degrees 56 Minutes 16 Seconds East 43.3 feet

thence North 10 Degrees 31 Minutes 54 Seconds East 47.1 feet  
thence North 20 Degrees 20 Minutes 18 Seconds East 48.4 feet  
thence North 31 Degrees 34 Minutes 00 Seconds East 46 feet  
thence North 23 Degrees 11 Minutes 24 Seconds East 49.4 feet  
thence North 10 Degrees 01 Minutes 30 Seconds West 48.6 feet  
thence North 27 Degrees 50 Minutes 25 Seconds West 34.8 feet  
thence North 29 Degrees 42 Minutes 56 Seconds West 20.7 feet  
thence North 24 Degrees 16 Minutes 15 Seconds West 19.4 feet  
thence North 10 Degrees 49 Minutes 45 Seconds West 23.4 feet  
thence North 07 Degrees 34 Minutes 28 Seconds East 21.5 feet  
thence North 41 Degrees 23 Minutes 22 Seconds East 24.2 feet  
thence North 64 Degrees 27 Minutes 03 Seconds East 25.4 feet  
thence South 79 Degrees 29 Minutes 40 Seconds East 29.7 feet  
thence South 57 Degrees 42 Minutes 13 Seconds East 43.2 feet  
thence South 50 Degrees 33 Minutes 20 Seconds East 45.7 feet  
thence South 45 Degrees 01 Minutes 13 Seconds East 46.2 feet  
thence South 54 Degrees 27 Minutes 11 Seconds East 48.2 feet  
thence South 67 Degrees 06 Minutes 35 Seconds East 45 feet  
thence South 51 Degrees 59 Minutes 43 Seconds East 33.9 feet  
thence South 15 Degrees 47 Minutes 13 Seconds East 22.1 feet  
thence South 09 Degrees 44 Minutes 27 Seconds West 26.3 feet  
thence South 20 Degrees 48 Minutes 18 Seconds West 35.5 feet  
thence South 18 Degrees 38 Minutes 44 Seconds West 34.4 feet  
thence South 19 Degrees 47 Minutes 12 Seconds West 43 feet  
thence South 18 Degrees 44 Minutes 57 Seconds West 38.2 feet  
thence South 18 Degrees 07 Minutes 35 Seconds West 31.1 feet  
thence South 22 Degrees 53 Minutes 24 Seconds West 30 feet  
thence South 33 Degrees 57 Minutes 09 Seconds West 27.4 feet  
thence South 27 Degrees 22 Minutes 47 Seconds West 37.4 feet  
thence South 02 Degrees 19 Minutes 04 Seconds West 35.8 feet  
thence South 35 Degrees 09 Minutes 46 Seconds East 22.4 feet  
thence South 51 Degrees 14 Minutes 23 Seconds East 35.9 feet  
thence South 52 Degrees 15 Minutes 41 Seconds East 19.2 feet  
thence South 55 Degrees 57 Minutes 44 Seconds East 23.8 feet  
thence South 47 Degrees 38 Minutes 10 Seconds East 28.6 feet  
thence South 65 Degrees 22 Minutes 27 Seconds East 41.3 feet  
thence North 86 Degrees 30 Minutes 42 Seconds East 47.3 feet  
thence North 68 Degrees 22 Minutes 25 Seconds East 57.8 feet  
thence North 74 Degrees 36 Minutes 18 Seconds East 39.1 feet  
thence North 80 Degrees 25 Minutes 08 Seconds East 16.3 feet  
thence North 86 Degrees 38 Minutes 48 Seconds East 30.9 feet  
thence North 86 Degrees 45 Minutes 59 Seconds East 45 feet  
thence North 86 Degrees 46 Minutes 14 Seconds East 32.2 feet  
thence South 82 Degrees 21 Minutes 03 Seconds East 30.8 feet  
thence South 83 Degrees 47 Minutes 19 Seconds East 46.2 feet  
thence South 76 Degrees 16 Minutes 20 Seconds East 52.8 feet  
thence South 64 Degrees 10 Minutes 38 Seconds East 58.1 feet  
thence South 58 Degrees 47 Minutes 39 Seconds East 52.7 feet  
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 thence South 42 Degrees 44 Minutes 15 Seconds East 56.9 feet  
 thence South 45 Degrees 06 Minutes 26 Seconds East 66.1 feet  
 thence South 47 Degrees 47 Minutes 52 Seconds East 69.5 feet  
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 thence South 37 Degrees 29 Minutes 35 Seconds East 59.7 feet  
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 thence South 19 Degrees 37 Minutes 26 Seconds West 63.5 feet  
 thence South 08 Degrees 39 Minutes 50 Seconds West 56.8 feet  
 thence South 04 Degrees 53 Minutes 09 Seconds West 54.4 feet  
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 thence North 65 Degrees 17 Minutes 01 Seconds East 42.9 feet  
 thence North 65 Degrees 47 Minutes 01 Seconds East 34.8 feet  
 thence North 66 Degrees 02 Minutes 00 Seconds East 37.6 feet  
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 thence North 71 Degrees 26 Minutes 44 Seconds East 62.9 feet  
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 thence South 74 Degrees 07 Minutes 09 Seconds East 74.2 feet  
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 thence South 11 Degrees 31 Minutes 58 Seconds East 21.6 feet  
 thence South 11 Degrees 25 Minutes 17 Seconds East 3.7 feet  
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 thence South 71 Degrees 19 Minutes 24 Seconds East 75.7 feet  
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 thence South 61 Degrees 51 Minutes 56 Seconds East 80.6 feet  
 thence South 47 Degrees 46 Minutes 57 Seconds East 75.3 feet  
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 thence South 89 Degrees 11 Minutes 22 Seconds East 84 feet  
 thence South 77 Degrees 13 Minutes 37 Seconds East 81.2 feet

thence South 63 Degrees 26 Minutes 47 Seconds East 85 feet  
 thence South 58 Degrees 39 Minutes 16 Seconds East 79.4 feet  
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thence North 64 Degrees 55 Minutes 58 Seconds East 79.1 feet  
thence South 87 Degrees 59 Minutes 33 Seconds East 89.3 feet  
thence South 89 Degrees 30 Minutes 46 Seconds East 94.5 feet  
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thence North 28 Degrees 39 Minutes 32 Seconds East 105 feet  
thence North 29 Degrees 21 Minutes 02 Seconds East 108.8 feet  
thence North 40 Degrees 42 Minutes 53 Seconds East 130.5 feet  
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 thence North 63 Degrees 38 Minutes 16 Seconds East 82.2 feet  
 thence North 76 Degrees 43 Minutes 47 Seconds East 84.9 feet  
 thence North 89 Degrees 28 Minutes 33 Seconds East 87.3 feet  
 thence South 79 Degrees 14 Minutes 34 Seconds East 90.6 feet  
 thence South 76 Degrees 22 Minutes 05 Seconds East 95.4 feet  
 thence South 84 Degrees 11 Minutes 10 Seconds East 95.4 feet  
 thence North 86 Degrees 27 Minutes 19 Seconds East 93 feet  
 thence North 71 Degrees 19 Minutes 24 Seconds East 88.5 feet  
 thence North 56 Degrees 57 Minutes 22 Seconds East 87.4 feet  
 thence North 50 Degrees 00 Minutes 44 Seconds East 95.1 feet  
 thence North 48 Degrees 09 Minutes 34 Seconds East 107.4 feet  
 thence North 50 Degrees 01 Minutes 57 Seconds East 114.7 feet  
 thence North 51 Degrees 03 Minutes 23 Seconds East 117.2 feet  
 thence North 53 Degrees 49 Minutes 03 Seconds East 117 feet  
 thence North 57 Degrees 26 Minutes 16 Seconds East 112.5 feet

thence North 59 Degrees 19 Minutes 21 Seconds East 108.4 feet  
 thence North 60 Degrees 42 Minutes 09 Seconds East 111.1 feet  
 thence North 61 Degrees 31 Minutes 59 Seconds East 116.1 feet  
 thence North 62 Degrees 17 Minutes 01 Seconds East 119.8 feet  
 thence North 62 Degrees 14 Minutes 04 Seconds East 113.2 feet  
 thence North 61 Degrees 54 Minutes 53 Seconds East 97.2 feet  
 thence North 62 Degrees 09 Minutes 13 Seconds East 95.1 feet  
 thence North 62 Degrees 16 Minutes 39 Seconds East 99.1 feet  
 thence North 61 Degrees 51 Minutes 26 Seconds East 92.8 feet  
 thence North 63 Degrees 00 Minutes 48 Seconds East 74.6 feet  
 thence North 61 Degrees 55 Minutes 20 Seconds East 83.8 feet  
 thence North 60 Degrees 03 Minutes 26 Seconds East 63.1 feet  
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 thence North 61 Degrees 54 Minutes 53 Seconds East 97.2 feet  
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 thence North 61 Degrees 28 Minutes 40 Seconds East 102 feet  
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 thence North 77 Degrees 40 Minutes 24 Seconds East 119.8 feet  
 thence North 77 Degrees 50 Minutes 31 Seconds East 123.1 feet  
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 thence North 78 Degrees 29 Minutes 46 Seconds East 128.5 feet  
 thence North 78 Degrees 11 Minutes 07 Seconds East 131.6 feet  
 thence North 78 Degrees 17 Minutes 45 Seconds East 129.6 feet  
 thence North 77 Degrees 52 Minutes 48 Seconds East 125.1 feet  
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 thence South 39 Degrees 37 Minutes 30 Seconds East 49.2 feet  
 thence South 48 Degrees 14 Minutes 40 Seconds East 54.4 feet  
 thence South 87 Degrees 59 Minutes 30 Seconds East 56.8 feet  
 thence North 86 Degrees 52 Minutes 08 Seconds East 46.7 feet  
 thence South 87 Degrees 03 Minutes 05 Seconds East 40.4 feet  
 thence South 54 Degrees 53 Minutes 30 Seconds East 36.2 feet  
 thence South 50 Degrees 08 Minutes 21 Seconds East 33.1 feet  
 thence South 43 Degrees 35 Minutes 25 Seconds East 46.4 feet  
 thence South 49 Degrees 45 Minutes 36 Seconds East 38.9 feet  
 thence South 73 Degrees 56 Minutes 52 Seconds East 37.3 feet  
 thence South 87 Degrees 11 Minutes 12 Seconds East 36.2 feet  
 thence North 74 Degrees 42 Minutes 34 Seconds East 48.2 feet  
 thence North 79 Degrees 43 Minutes 38 Seconds East 49.3 feet  
 thence North 89 Degrees 41 Minutes 28 Seconds East 50.9 feet  
 thence North 87 Degrees 46 Minutes 55 Seconds East 59.1 feet  
 thence North 87 Degrees 23 Minutes 14 Seconds East 57.1 feet  
 thence North 83 Degrees 47 Minutes 05 Seconds East 67 feet  
 thence North 89 Degrees 41 Minutes 28 Seconds East 57.3 feet  
 thence North 89 Degrees 41 Minutes 28 Seconds East 2.1 feet  
 thence North 81 Degrees 38 Minutes 31 Seconds East 65.6 feet  
 thence North 68 Degrees 06 Minutes 47 Seconds East 62.5 feet  
 thence North 55 Degrees 30 Minutes 50 Seconds East 64.3 feet  
 thence North 32 Degrees 54 Minutes 22 Seconds East 65.9 feet  
 thence North 04 Degrees 33 Minutes 39 Seconds East 73.4 feet

thence North 06 Degrees 28 Minutes 22 Seconds West 82.5 feet  
thence North 14 Degrees 52 Minutes 08 Seconds West 78.3 feet  
thence North 23 Degrees 10 Minutes 03 Seconds West 72.7 feet  
thence North 36 Degrees 14 Minutes 25 Seconds West 72.1 feet  
thence North 47 Degrees 55 Minutes 34 Seconds West 81.3 feet  
thence North 51 Degrees 59 Minutes 29 Seconds West 85.7 feet  
thence North 51 Degrees 38 Minutes 56 Seconds West 2.1 feet  
thence North 54 Degrees 07 Minutes 54 Seconds West 92.3 feet  
thence North 54 Degrees 39 Minutes 25 Seconds West 95.7 feet  
thence North 55 Degrees 16 Minutes 08 Seconds West 96.6 feet  
thence North 53 Degrees 49 Minutes 10 Seconds West 98.8 feet  
thence North 50 Degrees 15 Minutes 40 Seconds West 99.5 feet  
thence North 46 Degrees 47 Minutes 54 Seconds West 98.2 feet  
thence North 52 Degrees 07 Minutes 37 Seconds West 129 feet  
thence North 54 Degrees 26 Minutes 45 Seconds West 67.2 feet  
thence North 54 Degrees 44 Minutes 59 Seconds West 103.3 feet  
thence North 55 Degrees 05 Minutes 59 Seconds West 106.4 feet  
thence North 54 Degrees 14 Minutes 34 Seconds West 107.6 feet  
thence North 53 Degrees 16 Minutes 08 Seconds West 110.6 feet  
thence North 53 Degrees 28 Minutes 20 Seconds West 112.8 feet  
thence North 53 Degrees 36 Minutes 12 Seconds West 114.2 feet  
thence North 54 Degrees 02 Minutes 45 Seconds West 111.5 feet  
thence North 54 Degrees 07 Minutes 08 Seconds West 110.6 feet  
thence North 54 Degrees 00 Minutes 35 Seconds West 112 feet  
thence North 54 Degrees 53 Minutes 08 Seconds West 114.4 feet  
thence North 52 Degrees 48 Minutes 38 Seconds West 113.8 feet  
thence North 45 Degrees 47 Minutes 03 Seconds West 111.9 feet  
thence North 38 Degrees 40 Minutes 34 Seconds West 110.5 feet  
thence North 34 Degrees 54 Minutes 57 Seconds West 108.1 feet  
thence North 34 Degrees 03 Minutes 03 Seconds West 99.8 feet  
thence North 33 Degrees 26 Minutes 01 Seconds West 101.5 feet  
thence North 33 Degrees 10 Minutes 46 Seconds West 108.2 feet  
thence North 31 Degrees 19 Minutes 49 Seconds West 111.4 feet  
thence North 31 Degrees 26 Minutes 51 Seconds West 110.4 feet  
thence North 31 Degrees 49 Minutes 37 Seconds West 110.5 feet  
thence North 31 Degrees 57 Minutes 00 Seconds West 109.5 feet  
thence North 31 Degrees 39 Minutes 23 Seconds West 109.1 feet  
thence North 32 Degrees 51 Minutes 43 Seconds West 105.5 feet  
thence North 31 Degrees 44 Minutes 49 Seconds West 101.9 feet  
thence North 33 Degrees 21 Minutes 24 Seconds West 97.5 feet  
thence North 32 Degrees 21 Minutes 37 Seconds West 86 feet  
thence North 32 Degrees 10 Minutes 29 Seconds West 71.5 feet  
thence North 32 Degrees 30 Minutes 16 Seconds West 41.9 feet  
thence North 32 Degrees 09 Minutes 28 Seconds West 25.5 feet  
thence North 33 Degrees 42 Minutes 59 Seconds West 18.5 feet  
thence North 33 Degrees 31 Minutes 41 Seconds West 44.3 feet  
thence North 30 Degrees 03 Minutes 13 Seconds West 5.3 feet  
thence North 32 Degrees 14 Minutes 36 Seconds West 56.5 feet  
thence North 32 Degrees 10 Minutes 28 Seconds West 71.5 feet

thence North 32 Degrees 50 Minutes 01 Seconds West 80.6 feet  
thence North 32 Degrees 52 Minutes 40 Seconds West 88.4 feet  
thence North 33 Degrees 53 Minutes 15 Seconds West 93.8 feet  
thence North 32 Degrees 39 Minutes 22 Seconds West 93.2 feet  
thence North 32 Degrees 45 Minutes 51 Seconds West 93 feet  
thence North 31 Degrees 47 Minutes 08 Seconds West 94.3 feet  
thence North 29 Degrees 14 Minutes 06 Seconds West 99.7 feet  
thence North 24 Degrees 49 Minutes 31 Seconds West 106.8 feet  
thence North 20 Degrees 03 Minutes 05 Seconds West 113.7 feet  
thence North 15 Degrees 18 Minutes 03 Seconds West 119.2 feet  
thence North 13 Degrees 36 Minutes 06 Seconds West 122.7 feet  
thence North 13 Degrees 05 Minutes 58 Seconds West 124.5 feet  
thence North 13 Degrees 28 Minutes 18 Seconds West 125.4 feet  
thence North 13 Degrees 13 Minutes 30 Seconds West 126.3 feet  
thence North 12 Degrees 55 Minutes 56 Seconds West 129.1 feet  
thence North 12 Degrees 56 Minutes 48 Seconds West 130.5 feet  
thence North 12 Degrees 56 Minutes 48 Seconds West 130.5 feet  
thence North 13 Degrees 46 Minutes 19 Seconds West 135.3 feet  
thence North 13 Degrees 31 Minutes 59 Seconds West 134.8 feet  
thence North 13 Degrees 15 Minutes 41 Seconds West 134.7 feet  
thence North 13 Degrees 10 Minutes 05 Seconds West 135.7 feet  
thence North 13 Degrees 16 Minutes 19 Seconds West 136.1 feet  
thence North 13 Degrees 34 Minutes 22 Seconds West 135.9 feet  
thence North 13 Degrees 40 Minutes 09 Seconds West 120.9 feet  
thence North 13 Degrees 35 Minutes 29 Seconds West 12.7 feet

thence North 12 Degrees 54 Minutes 35 Seconds West 39.4 feet more or less to **the ending point at:** 37 degrees 35 minutes 31.92 seconds North Latitude and -110 degrees 07 minutes 26.41 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,039,082.9 feet and Y = 10,182,435.1 feet.

## Appendix D to Attachment 4

**Popular Name: RADIUM KING ROAD**

**County: San Juan**

**County Road Number: B258**

**State Geographic Information Database (SGID) Road Identification Number: RD190268.**

**Road-Segment Number: 007**

**Road-Segment Length: 2.25 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 36 South Range 16 East, Section(s) 27,28,34, Salt Lake Base & Meridian

Township 37 South Range 16 East, Section(s) 2,3, Salt Lake Base & Meridian

The following description closely approximates the location of the centerline of the physical monument (RADIUM KING 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 36 minutes 19.86 seconds North Latitude and -110 degrees 07 minutes 49.12 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,037,184.1 feet and Y = 10,187,257.0 feet; thence the following courses along the said road center line:

thence North 39 Degrees 32 Minutes 41 Seconds West 25 feet  
thence North 39 Degrees 19 Minutes 07 Seconds West 25.1 feet  
thence North 39 Degrees 19 Minutes 52 Seconds West 137.5 feet  
thence North 39 Degrees 26 Minutes 08 Seconds West 163.3 feet  
thence North 39 Degrees 47 Minutes 10 Seconds West 160.8 feet  
thence North 39 Degrees 46 Minutes 51 Seconds West 0.7 feet  
thence North 39 Degrees 21 Minutes 47 Seconds West 163.6 feet  
thence North 38 Degrees 59 Minutes 10 Seconds West 162.3 feet  
thence North 39 Degrees 20 Minutes 38 Seconds West 156.3 feet  
thence North 39 Degrees 44 Minutes 32 Seconds West 155.5 feet

thence North 38 Degrees 56 Minutes 54 Seconds West 148.7 feet  
thence North 39 Degrees 48 Minutes 18 Seconds West 140.3 feet  
thence North 39 Degrees 30 Minutes 06 Seconds West 137.6 feet  
thence North 38 Degrees 26 Minutes 34 Seconds West 139.8 feet  
thence North 40 Degrees 15 Minutes 16 Seconds West 137 feet  
thence North 39 Degrees 23 Minutes 44 Seconds West 137.4 feet  
thence North 39 Degrees 37 Minutes 02 Seconds West 135.7 feet  
thence North 38 Degrees 59 Minutes 26 Seconds West 130.7 feet  
thence North 39 Degrees 24 Minutes 32 Seconds West 133.2 feet  
thence North 39 Degrees 24 Minutes 55 Seconds West 137.9 feet  
thence North 39 Degrees 06 Minutes 31 Seconds West 146.1 feet  
thence North 39 Degrees 24 Minutes 53 Seconds West 144.6 feet  
thence North 39 Degrees 06 Minutes 54 Seconds West 139.8 feet  
thence North 37 Degrees 58 Minutes 55 Seconds West 32.8 feet  
thence North 38 Degrees 56 Minutes 26 Seconds West 106.7 feet  
thence North 40 Degrees 06 Minutes 50 Seconds West 7.7 feet  
thence North 38 Degrees 36 Minutes 57 Seconds West 133.4 feet  
thence North 38 Degrees 23 Minutes 49 Seconds West 138.9 feet  
thence North 39 Degrees 29 Minutes 08 Seconds West 141.8 feet  
thence North 39 Degrees 04 Minutes 09 Seconds West 145.2 feet  
thence North 38 Degrees 43 Minutes 09 Seconds West 141.6 feet  
thence North 39 Degrees 00 Minutes 39 Seconds West 137.5 feet  
thence North 38 Degrees 41 Minutes 21 Seconds West 136.9 feet  
thence North 39 Degrees 29 Minutes 45 Seconds West 77.9 feet  
thence North 37 Degrees 35 Minutes 11 Seconds West 55.3 feet  
thence North 38 Degrees 26 Minutes 57 Seconds West 130.2 feet  
thence North 38 Degrees 59 Minutes 31 Seconds West 122.3 feet  
thence North 39 Degrees 11 Minutes 06 Seconds West 121.8 feet  
thence North 39 Degrees 39 Minutes 02 Seconds West 124.8 feet  
thence North 38 Degrees 39 Minutes 39 Seconds West 124.3 feet  
thence North 38 Degrees 43 Minutes 06 Seconds West 129.4 feet  
thence North 39 Degrees 15 Minutes 09 Seconds West 134.2 feet  
thence North 39 Degrees 09 Minutes 52 Seconds West 134.4 feet  
thence North 39 Degrees 16 Minutes 24 Seconds West 134.6 feet  
thence North 38 Degrees 39 Minutes 25 Seconds West 132.2 feet  
thence North 38 Degrees 17 Minutes 47 Seconds West 131.2 feet  
thence North 38 Degrees 30 Minutes 25 Seconds West 127.4 feet  
thence North 38 Degrees 56 Minutes 31 Seconds West 113 feet  
thence North 39 Degrees 17 Minutes 03 Seconds West 92.9 feet  
thence North 36 Degrees 08 Minutes 45 Seconds West 65.6 feet  
thence North 36 Degrees 05 Minutes 50 Seconds West 69.6 feet  
thence North 49 Degrees 42 Minutes 25 Seconds West 3 feet  
thence North 36 Degrees 08 Minutes 45 Seconds West 14.6 feet  
thence North 39 Degrees 51 Minutes 15 Seconds West 46.4 feet  
thence North 40 Degrees 13 Minutes 12 Seconds West 68 feet  
thence North 39 Degrees 11 Minutes 52 Seconds West 89.4 feet  
thence North 39 Degrees 19 Minutes 56 Seconds West 104.8 feet  
thence North 38 Degrees 55 Minutes 00 Seconds West 114.7 feet  
thence North 38 Degrees 24 Minutes 13 Seconds West 119.7 feet

thence North 38 Degrees 31 Minutes 53 Seconds West 127.8 feet  
thence North 38 Degrees 05 Minutes 51 Seconds West 135 feet  
thence North 38 Degrees 38 Minutes 38 Seconds West 136 feet  
thence North 38 Degrees 51 Minutes 31 Seconds West 134.3 feet  
thence North 38 Degrees 00 Minutes 58 Seconds West 44.4 feet  
thence North 37 Degrees 58 Minutes 23 Seconds West 90.3 feet  
thence North 39 Degrees 41 Minutes 09 Seconds West 135 feet  
thence North 39 Degrees 05 Minutes 40 Seconds West 139.4 feet  
thence North 38 Degrees 27 Minutes 55 Seconds West 146.1 feet  
thence North 38 Degrees 42 Minutes 45 Seconds West 149.5 feet  
thence North 38 Degrees 41 Minutes 31 Seconds West 149 feet  
thence North 38 Degrees 18 Minutes 25 Seconds West 146.6 feet  
thence North 38 Degrees 47 Minutes 18 Seconds West 147.1 feet  
thence North 38 Degrees 59 Minutes 41 Seconds West 131 feet  
thence North 38 Degrees 56 Minutes 22 Seconds West 20.7 feet  
thence North 38 Degrees 58 Minutes 04 Seconds West 151.3 feet  
thence North 39 Degrees 44 Minutes 48 Seconds West 150.9 feet  
thence North 38 Degrees 37 Minutes 07 Seconds West 151.4 feet  
thence North 38 Degrees 56 Minutes 55 Seconds West 152.9 feet  
thence North 38 Degrees 44 Minutes 21 Seconds West 154.2 feet  
thence North 38 Degrees 39 Minutes 34 Seconds West 152.3 feet  
thence North 38 Degrees 41 Minutes 31 Seconds West 149 feet  
thence North 38 Degrees 50 Minutes 38 Seconds West 142.2 feet  
thence North 39 Degrees 33 Minutes 29 Seconds West 134.3 feet  
thence North 39 Degrees 00 Minutes 45 Seconds West 131.2 feet  
thence North 38 Degrees 36 Minutes 36 Seconds West 131.3 feet  
thence North 39 Degrees 11 Minutes 08 Seconds West 134.9 feet  
thence North 38 Degrees 58 Minutes 04 Seconds West 136.6 feet  
thence North 39 Degrees 06 Minutes 53 Seconds West 139.8 feet  
thence North 38 Degrees 32 Minutes 19 Seconds West 143.7 feet  
thence North 38 Degrees 24 Minutes 19 Seconds West 141 feet  
thence North 38 Degrees 32 Minutes 07 Seconds West 135.8 feet  
thence North 40 Degrees 03 Minutes 39 Seconds West 137 feet  
thence North 38 Degrees 15 Minutes 13 Seconds West 139.8 feet  
thence North 39 Degrees 00 Minutes 38 Seconds West 137.5 feet  
thence North 38 Degrees 17 Minutes 07 Seconds West 129.1 feet  
thence North 39 Degrees 27 Minutes 29 Seconds West 113.8 feet  
thence North 41 Degrees 22 Minutes 18 Seconds West 101.4 feet  
thence North 40 Degrees 06 Minutes 49 Seconds West 51.3 feet  
thence North 40 Degrees 51 Minutes 44 Seconds West 86.8 feet  
thence North 41 Degrees 07 Minutes 15 Seconds West 28 feet more or less to **the ending point**

**at:** 37 degrees 37 minutes 51.97 seconds North Latitude and -110 degrees 09 minutes 20.18 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,029,723.7 feet and Y = 10,196,466.5 feet.

## Appendix E to Attachment 4

**Popular Name: RADIUM KING ROAD**

**County: San Juan**

**County Road Number: B258**

**State Geographic Information Database (SGID) Road Identification Number: RD190268.**

**Road-Segment Number: 009**

**Road-Segment Length: 0 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:  
SECTION STRING MISSING!!!!

The following description closely approximates the location of the centerline of the physical monument (RADIUM KING ROAD)-- Segment 009 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 38 minutes 08.83 seconds North Latitude and -110 degrees 09 minutes 21.04 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,029,630.2 feet and Y = 10,198,170.0 feet; thence the following courses along the said road center line:

thence North 21 Degrees 16 Minutes 33 Seconds East 3.2 feet more or less to **the ending point at:** 37 degrees 38 minutes 08.86 seconds North Latitude and -110 degrees 09 minutes 21.02 seconds West Longitude, which can be converted to mapping accuracy State Plane Utah South Zone NAD 83 feet coordinates of X = 2,029,631.4 feet and Y = 10,198,173.0 feet.