Filed: 5/16/2017 4:22:37 PM WEQC

BROOK MINING CO., LLC.
BROOK MINE
VOLUME 2 OF 12
TFN 6 2/025

Brook Mine
Permit Application
Volume II

VOLUME II

Adjudication Exhibits

BROOK MINING CO., LLC.
BROOK MINE
VOLUME 2 OF 12
TFN 6 2/025

Brook Mine
Permit Application
Volume II

Adjudication Exhibits

DEQ Exhibit 3

RAMACO

VOLUME TOC

LQD
NOV 14 2014
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LQD
NOV 14 2014
REC

VOLUME TOC

VOLUME I	Adjudication 1 of 3	
VOLUME IA	Adjudication 2 of 3	
VOLUME II	Adjudication 3 of 3	
VOLUME III	Appendix D1	Land Use
	Appendix D2	History
	Appendix D3	Archeological and Paleontological Resources
	Appendix D4	Climatology
VOLUME IV	Appendix D5	Topography, Geology and Overburden Assessment
VOLUME V	Appendix D6	Hydrology
VOLUME VI	Appendix D7	Soil Resources Assessment
VOLUME VII	Appendix D8	Vegetation Inventory
VOLUME VIII	Appendix D9	Wildlife
VOLUME IX	Appendix D10	Wetlands
VOLUME X	Appendix D11	Alluvial Valley Floors
VOLUME XI	Mine Plan	
VOLUME XII	Reclamation Plan	

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62/025

RAMACO

February 2016

ADJUDICATION TOC

ADJUDICATION EXHIBITS

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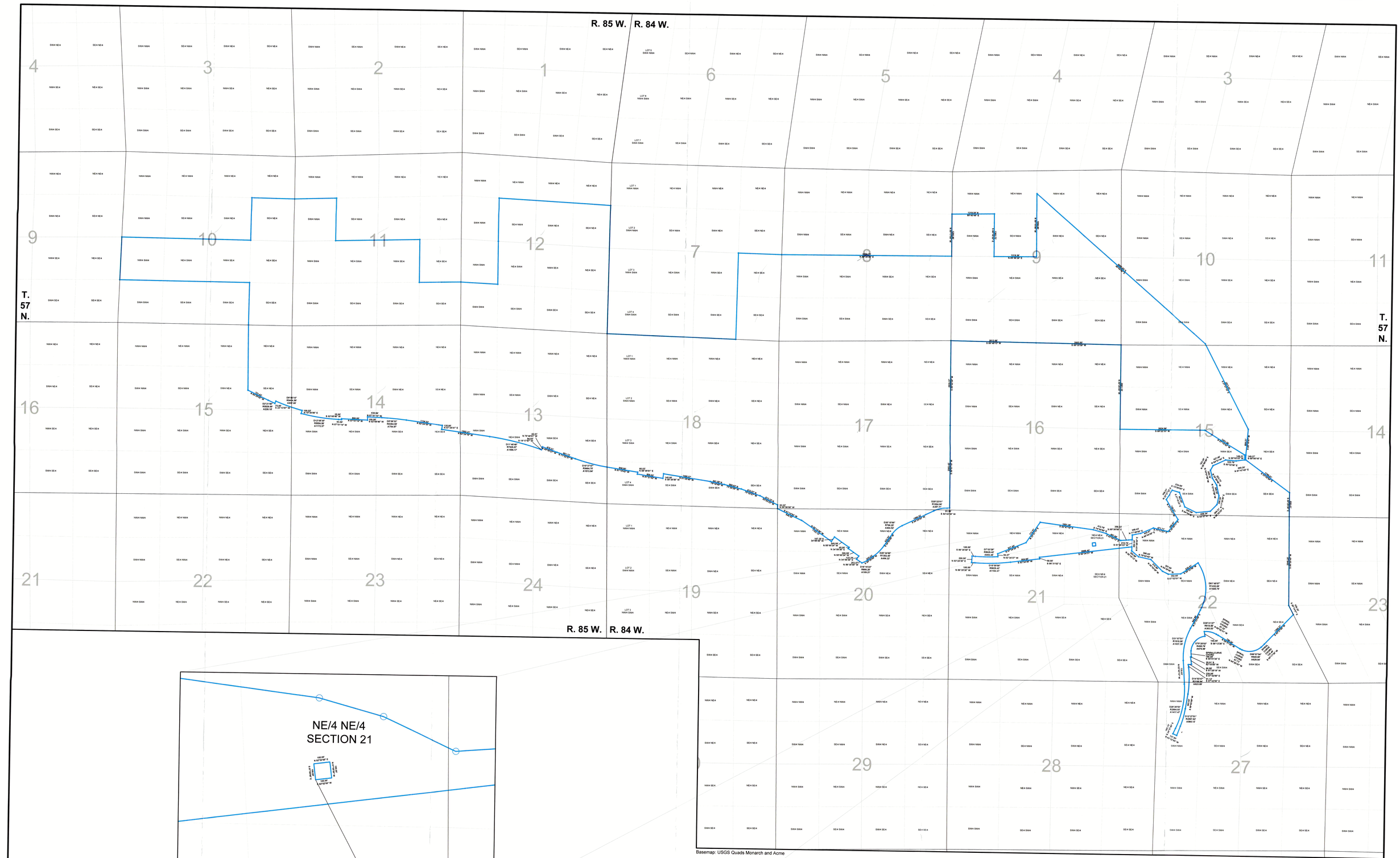
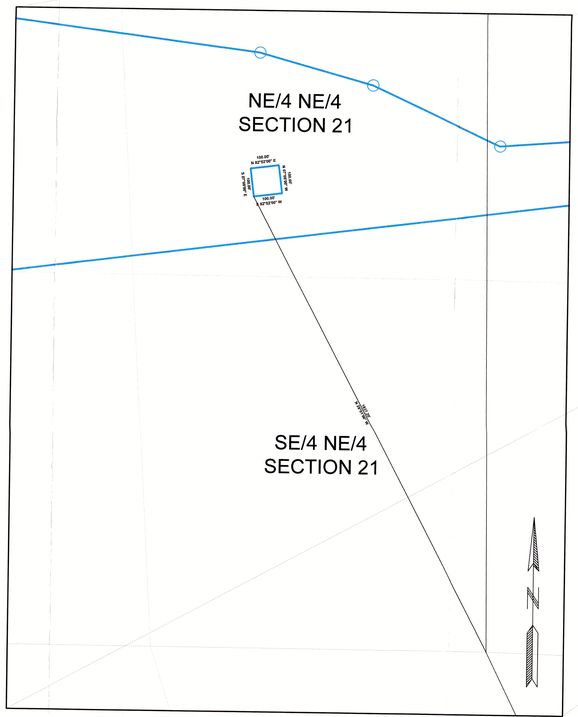
TFN 6 2/025
RECD NOV 14,2014

DEQ 3-005

ADJUDICATION EXHIBITS





MDU TRACT EXCLUDED FROM PERMIT
(WARRANTY DEED RECORDED FEBRUARY 14, 1975, BK 207 PG 222)

0 100 200 300 400
GRAPHIC SCALE (FEET)

0 500 1,000 1,500 2,000
GRAPHIC SCALE (FEET)

TFN 6 2/025
RECD NOV 14, 2014

RAMACO

BROOK MINE
SHERIDAN COUNTY, WY
1101 SUGARVIEW DR, STE. 201
SHERIDAN, WY 82801

REVISIONS	
Date	Description

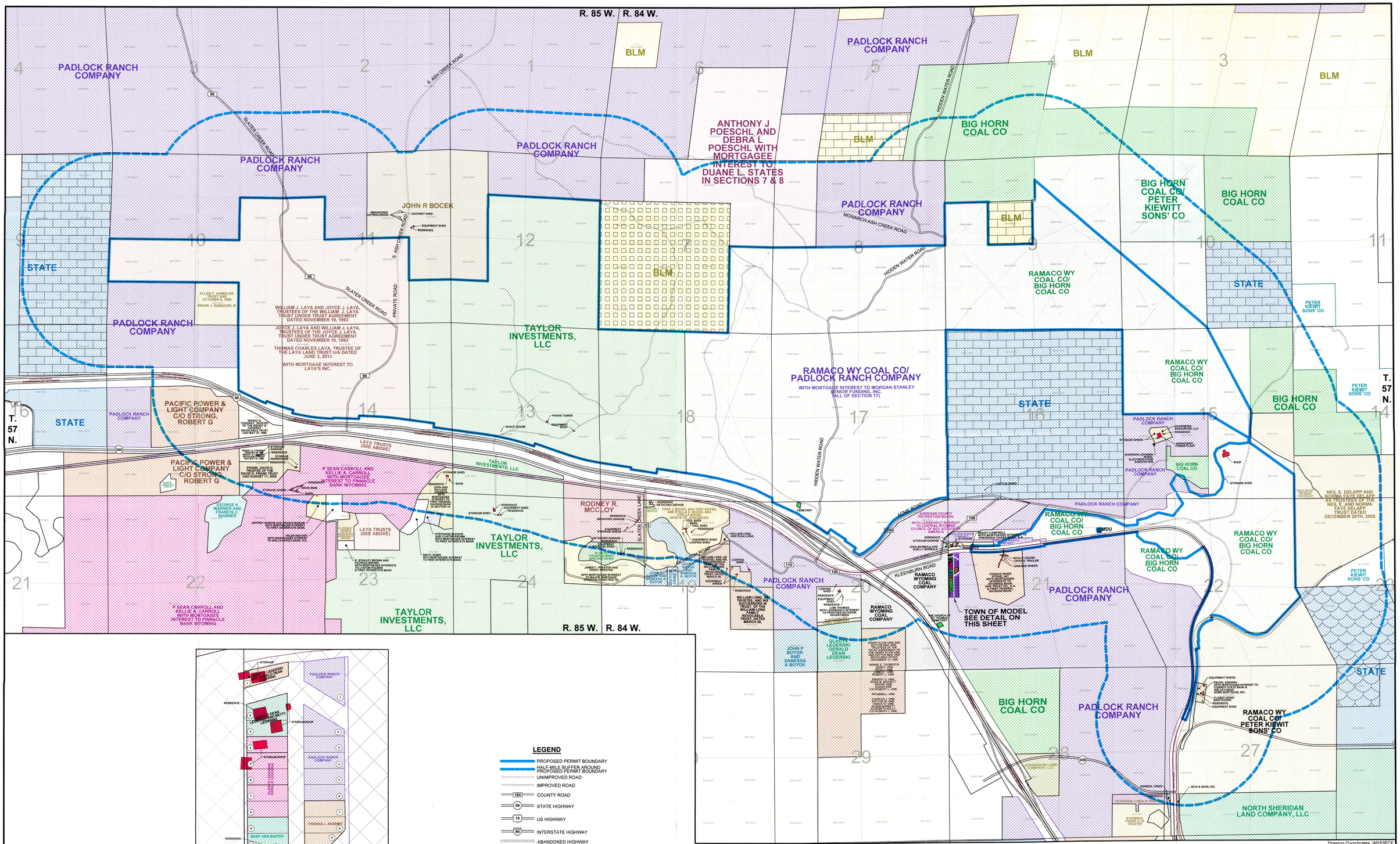
ADJUDICATION
EXHIBIT C1a

PLAT OF PERMIT SURVEY

Drawn By: MBM
Checked By: NV
Date: 10/28/14

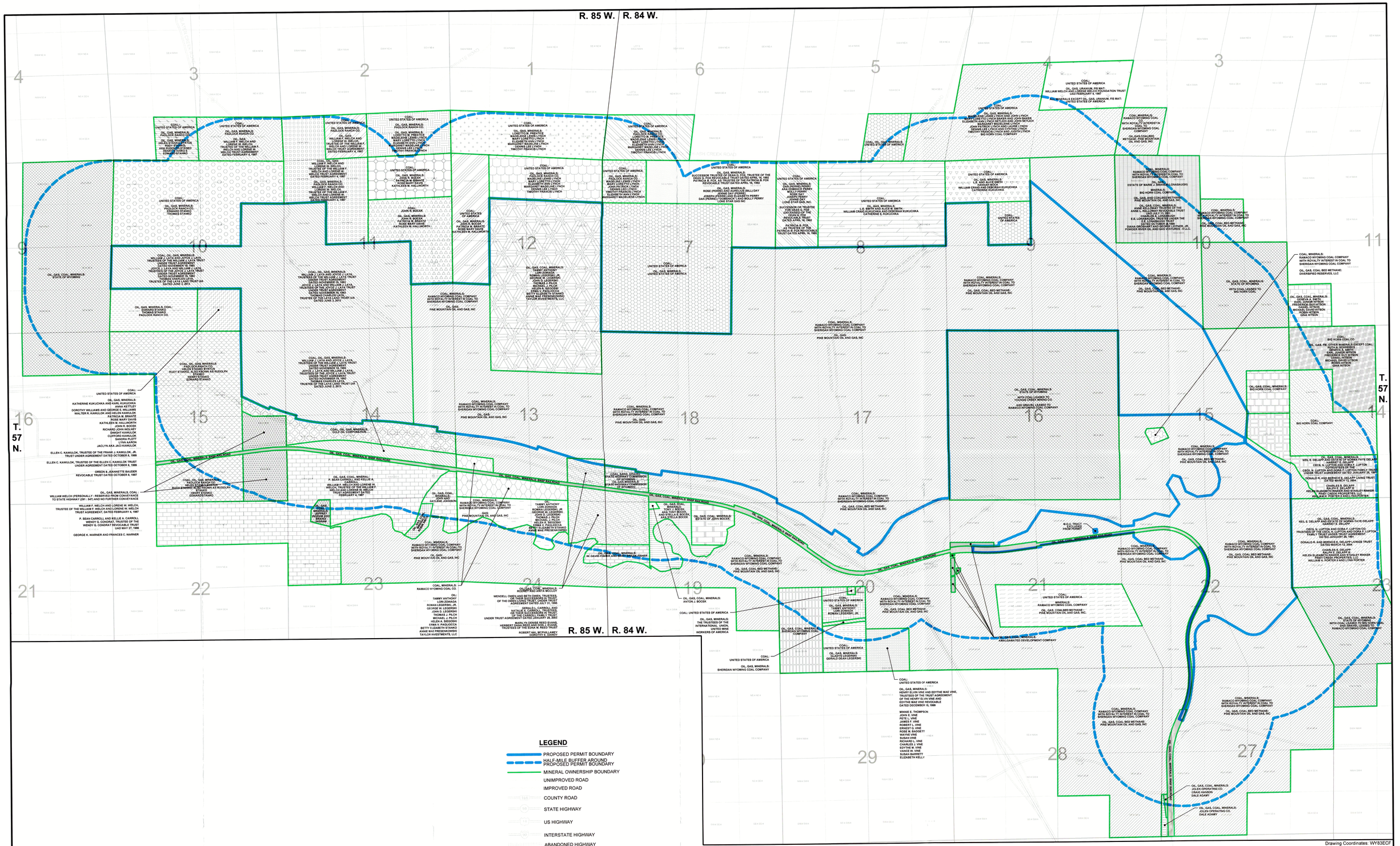
WWC ENGINEERING
www.wwcengineering.com

FILE: RC_ADJ_PERMIT_SURVEY



TOWN OF MODEL

DEQ 3-008



Basemap: USGS Quads Monarch and Acme

Drawing Coordinates: WY83ECF

TFN 6 2/025
RECD NOV 14, 2014

0 500 1,000 1,500 2,000
GRAPHIC SCALE (FEET)

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SHERIDAN COUNTY, WY

1101 SUGARVIEW DR, STE. 201
SHERIDAN, WY 82801

REVISIONS	
Date	Description

ADJUDICATION
EXHIBIT 2

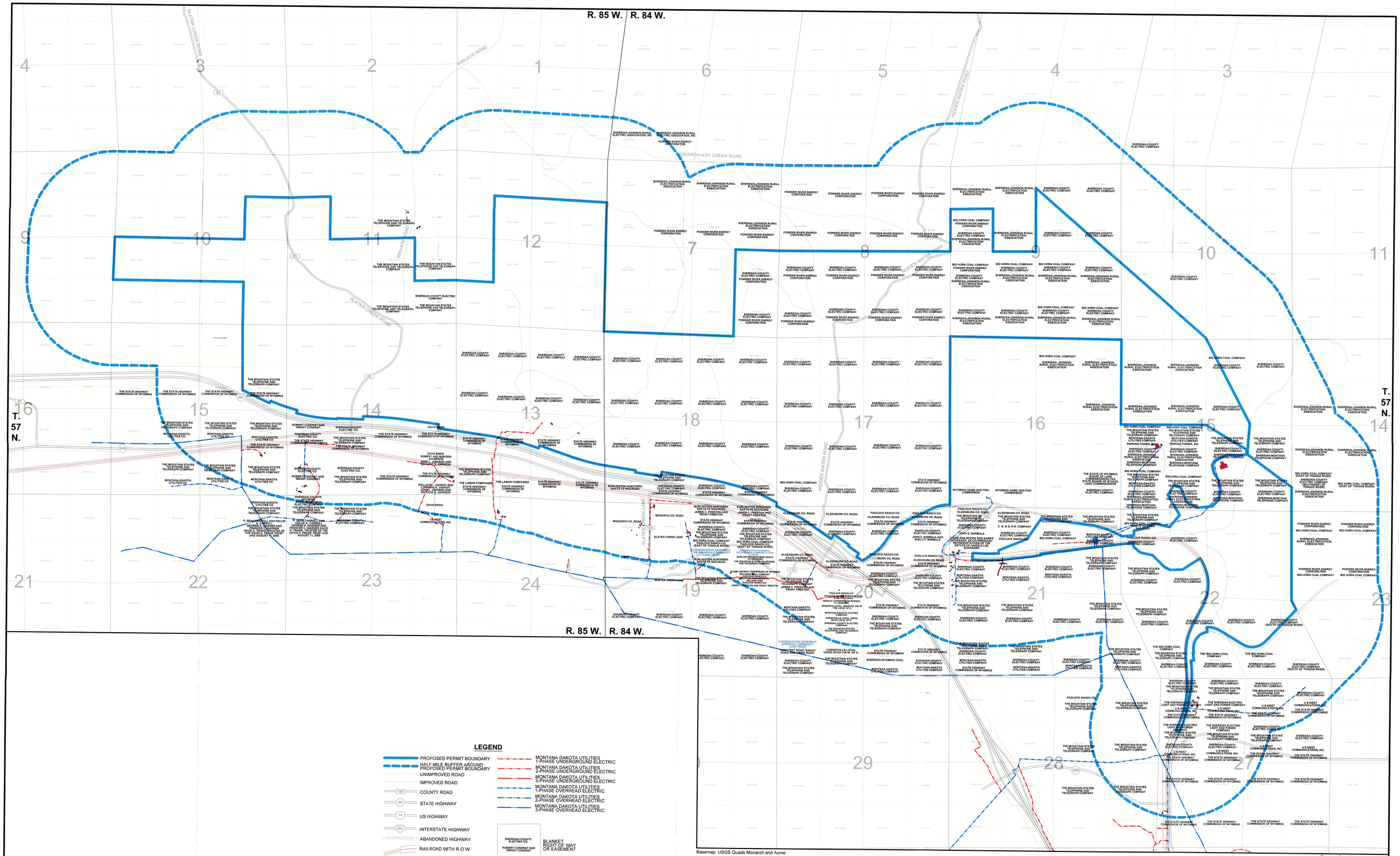
MINERAL RIGHTS
WITH LEASES AND ROYALTIES

Drawn By: MBM
Checked By: NV
Date: 10/28/14

FILE: RC_ADJ_MINERALS

WWC ENGINEERING
www.wwcengineering.com

DEQ 3-009



Basemap: USGS Quads Monarch and Acme

Drawing Coordinates: WY83ECF

LEGEND

- PROPOSED PERMIT BOUNDARY
- HALF-MILE BUFFER AROUND PROPOSED PERMIT BOUNDARY
- UNIMPROVED ROAD
- IMPROVED ROAD
- 164 COUNTY ROAD
- 59 STATE HIGHWAY
- 14 US HIGHWAY
- 90 INTERSTATE HIGHWAY
- ABANDONED HIGHWAY
- RAILROAD WITH R.O.W.
- STRUCTURES
- MONTANA DAKOTA UTILITIES 1-PHASE UNDERGROUND ELECTRIC
- MONTANA DAKOTA UTILITIES 2-PHASE UNDERGROUND ELECTRIC
- MONTANA DAKOTA UTILITIES 3-PHASE UNDERGROUND ELECTRIC
- MONTANA DAKOTA UTILITIES 1-PHASE OVERHEAD ELECTRIC
- MONTANA DAKOTA UTILITIES 2-PHASE OVERHEAD ELECTRIC
- MONTANA DAKOTA UTILITIES 3-PHASE OVERHEAD ELECTRIC
- SHERIDAN COUNTY ELECTRIC CO. / ROBERT CONDRAT AND WENDY CONDRAT — BLANKET RIGHT OF WAY OR EASEMENT

NOTE:
There are no active oil or gas wells within the half-mile buffer around the permit boundary.

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BROOK MINE
SHERIDAN COUNTY, WY

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REVISIONS	
Date	Description

ADJUDICATION
EXHIBIT 3

ROADS, UTILITY LINES, PIPELINES, RIGHTS OF WAY, AND EASEMENTS

(NO CURRENT OIL OR GAS WELLS IN OR WITHIN 1/2 MILE OF PERMIT)

Drawn By: MBM
Checked By: NV
Date: 10/29/14

WWC ENGINEERING
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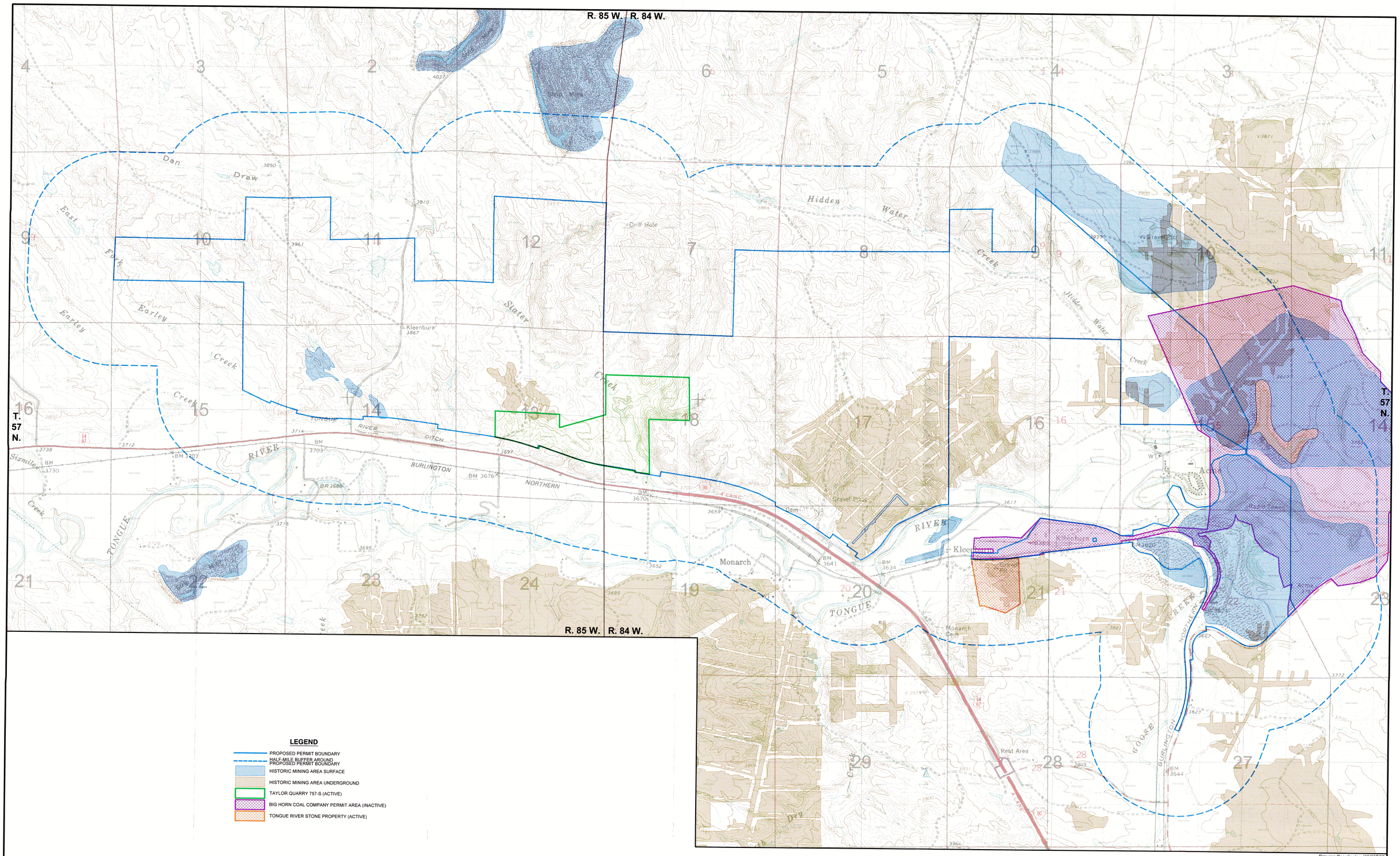
FILE: RC_ADJ_ROW



LEGEND

- PROPOSED PERMIT BOUNDARY
- HALF-MILE BUFFER AROUND PROPOSED PERMIT BOUNDARY
- HISTORIC MINING AREA SURFACE
- HISTORIC MINING AREA UNDERGROUND
- TAYLOR QUARRY 757-S (ACTIVE)
- BIG HORN COAL COMPANY PERMIT AREA (INACTIVE)
- TONGUE RIVER STONE PROPERTY (ACTIVE)

TFN 6 2/025
RECD NOV 14, 2014

0 500 1,000 1,500 2,000
GRAPHIC SCALE (FEET)

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SHERIDAN COUNTY, WY

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REVISIONS	
Date	Description

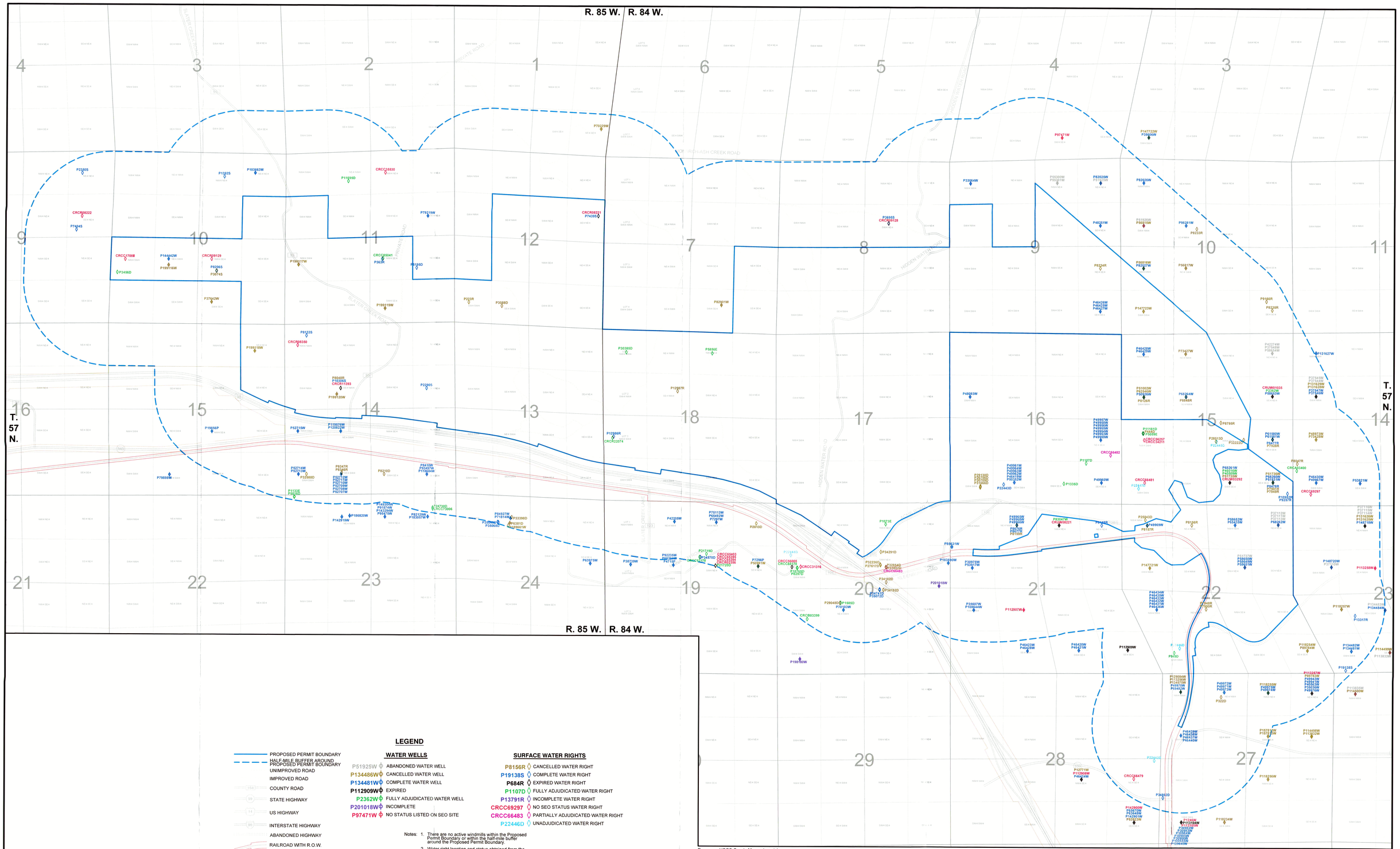
ADJUDICATION
EXHIBIT 4

LANDS AFFECTED BY MINING: AREAS OF PREVIOUS DISTURBANCE BY SURFACE AND UNDERGROUND MINING

Drawn By: MBM
Checked By: NV
Date: 10/28/14

WWC ENGINEERING
www.wwcengineering.com

FILE: RC_ADJ_DISTURBANCE



Basemap: USGS Quads Monarch and Acme

Drawing Coordinates: WY83ECF

LEGEND

- PROPOSED PERMIT BOUNDARY
- HALF-MILE BUFFER AROUND PROPOSED PERMIT BOUNDARY
- UNIMPROVED ROAD
- IMPROVED ROAD
- 154 COUNTY ROAD
- 59 STATE HIGHWAY
- 14 US HIGHWAY
- 90 INTERSTATE HIGHWAY
- ABANDONED HIGHWAY
- RAILROAD WITH R.O.W.

WATER WELLS

- P51925W ABANDONED WATER WELL
- P134486W CANCELLED WATER WELL
- P134481W COMPLETE WATER WELL
- P112909W EXPIRED
- P2362W FULLY ADJUDICATED WATER WELL
- P201018W INCOMPLETE
- P97471W NO STATUS LISTED ON SEO SITE

SURFACE WATER RIGHTS

- P8156R CANCELLED WATER RIGHT
- P19138S COMPLETE WATER RIGHT
- P684R EXPIRED WATER RIGHT
- P1107D FULLY ADJUDICATED WATER RIGHT
- P13791R INCOMPLETE WATER RIGHT
- CRCC69297 NO SEO STATUS WATER RIGHT
- CRCC66483 PARTIALLY ADJUDICATED WATER RIGHT
- P22446D UNADJUDICATED WATER RIGHT

Notes:
1. There are no active windmills within the Proposed Permit Boundary or within the half-mile buffer around the Proposed Permit Boundary.
2. Water right location and status obtained from the Wyoming SEO water rights database. Some water rights are represented in the center of the quarter quarter section and do not depict the actual location of the well. Search performed on 6/13/14.

N

0 500 1,000 1,500 2,000
GRAPHIC SCALE (FEET)

TFN 6 2/025
RECD JUL 30,2015

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BROOK MINE
SHERIDAN COUNTY, WY

1101 SUGARVIEW DR, STE. 201
SHERIDAN, WY 82801

REVISIONS	
Date	Description
06/15	ROUND 1 COMMENTS

ADJUDICATION
EXHIBIT 5

WATER RIGHTS INSIDE AND WITHIN ONE-HALF MILE OF PERMIT BOUNDARY

Drawn By: MBM
Checked By: NV
Date: 10/29/14

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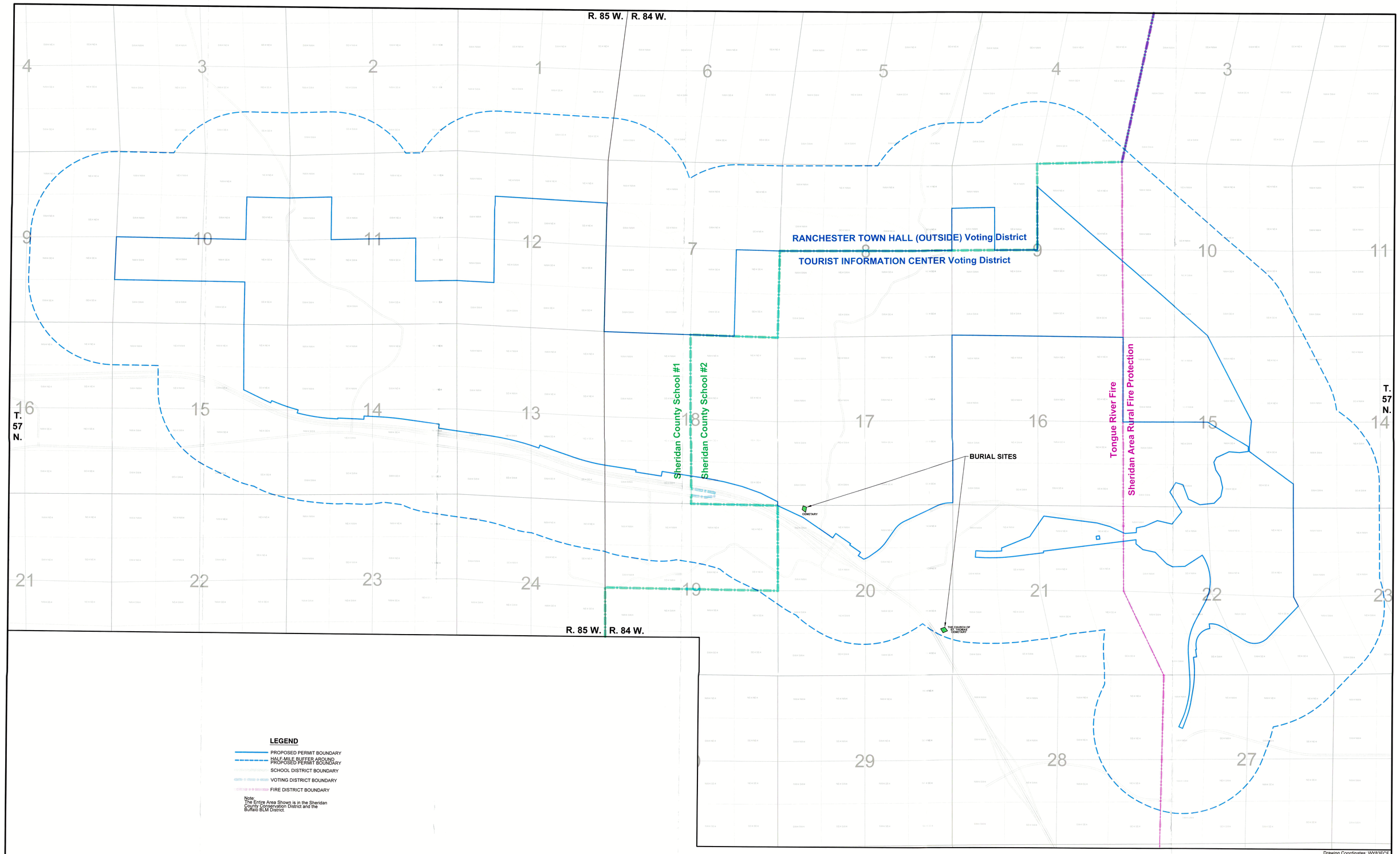
FILE: RC_ADJ_SEO_WATER_RIGHTS_0MILE_R1



Drawing Coordinates: WY83ECF

LEGEND

- PROPOSED PERMIT BOUNDARY
- HALF-MILE BUFFER AROUND PROPOSED PERMIT BOUNDARY
- SCHOOL DISTRICT BOUNDARY
- VOTING DISTRICT BOUNDARY
- FIRE DISTRICT BOUNDARY

Note:
The Entire Area Shown is in the Sheridan County Conservation District and the Buffalo BLM District.

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RECD NOV 14, 2014

0 500 1,000 1,500 2,000
GRAPHIC SCALE (FEET)

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BROOK MINE
SHERIDAN COUNTY, WY
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SHERIDAN, WY 82801

REVISIONS	
Date	Description

ADJUDICATION
EXHIBIT 6

POLITICAL BOUNDARIES, FIRE DISTRICTS, SCHOOL DISTRICTS, VOTING DISTRICTS, CONSERVATION DISTRICTS, PARKS, AND BURIAL SITES

Drawn By: MBM
Checked By: JGB
Date: 10/29/14

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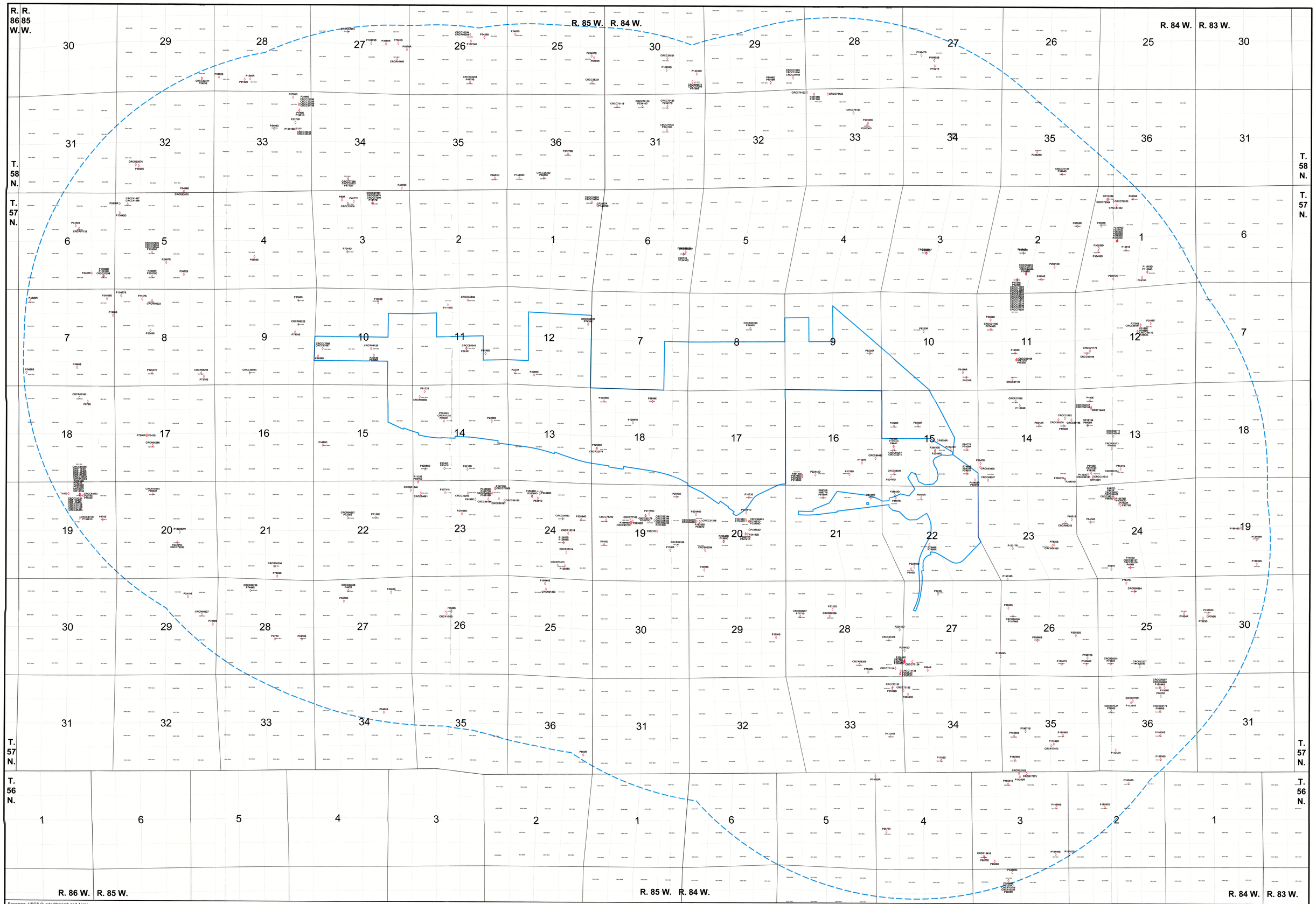
FILE: RC_ADJ_POLITICAL_BOUNDARIES



Basemap: USGS Quads Monarch and Acme
Drawing Coordinates: WY83ECF

LEGEND

- PROPOSED PERMIT BOUNDARY
- THREE-MILE BUFFER AROUND PROPOSED PERMIT BOUNDARY
- P27030D — SURFACE WATER RIGHT AND PERMIT NUMBER

0 800 1,600 2,400 3,200
GRAPHIC SCALE (FEET)

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Date	Description

ADJUDICATION EXHIBIT 7

TFN 6 2/025
RECD NOV 14,2014

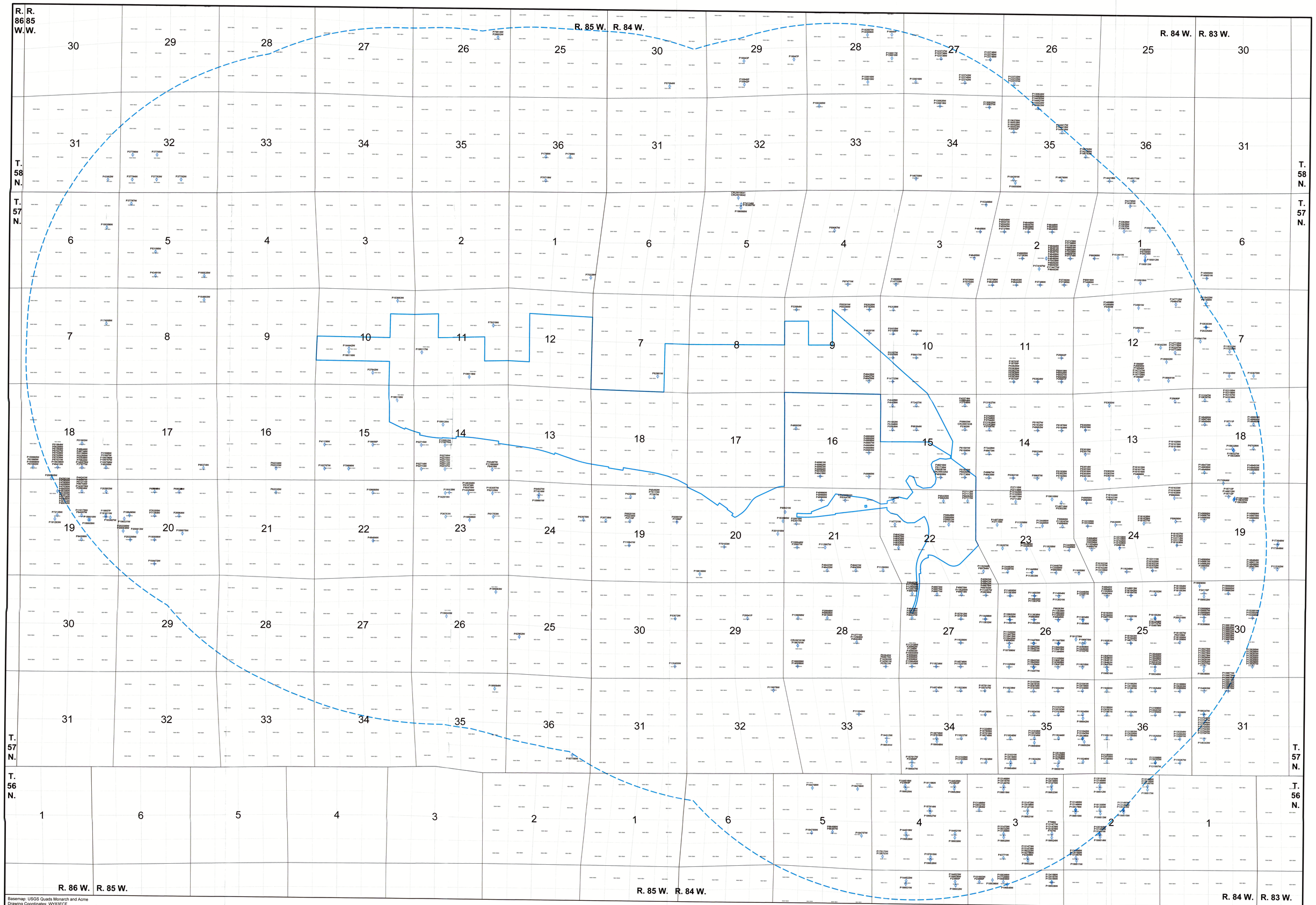
SURFACE WATER RIGHTS INSIDE AND WITHIN 3 MILES OF THE PERMIT BOUNDARY

Drawn By: MBM
Checked By: NV
Date: 10/29/14

WWC ENGINEERING
www.wwcengineering.com

FILE: RC_ADJ_SEO_SW_3MILES

DEQ 3-014



Basemap: USGS Quads Monarch and Acme
Drawing Coordinates: WY83ECF

LEGEND

- PROPOSED PERMIT BOUNDARY
- THREE-MILE BUFFER AROUND PROPOSED PERMIT BOUNDARY
- P39644W GROUNDWATER RIGHT AND PERMIT NUMBER

N

0 500 1,000 2,400 3,200
GRAPHIC SCALE (FEET)

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SHERIDAN COUNTY, WY
1101 SUGARVIEW DR, STE. 201
SHERIDAN, WY 82801

REVISIONS	
Date	Description
06/15	ROUND 1 COMMENTS

ADJUDICATION EXHIBIT 8

TFN 6 2/025
RECD JUL 30,2015

GROUNDWATER RIGHTS INSIDE AND WITHIN 3 MILES OF THE PERMIT BOUNDARY

Drawn By: MBM
Checked By: NV
Date: 10/29/14

WWC ENGINEERING
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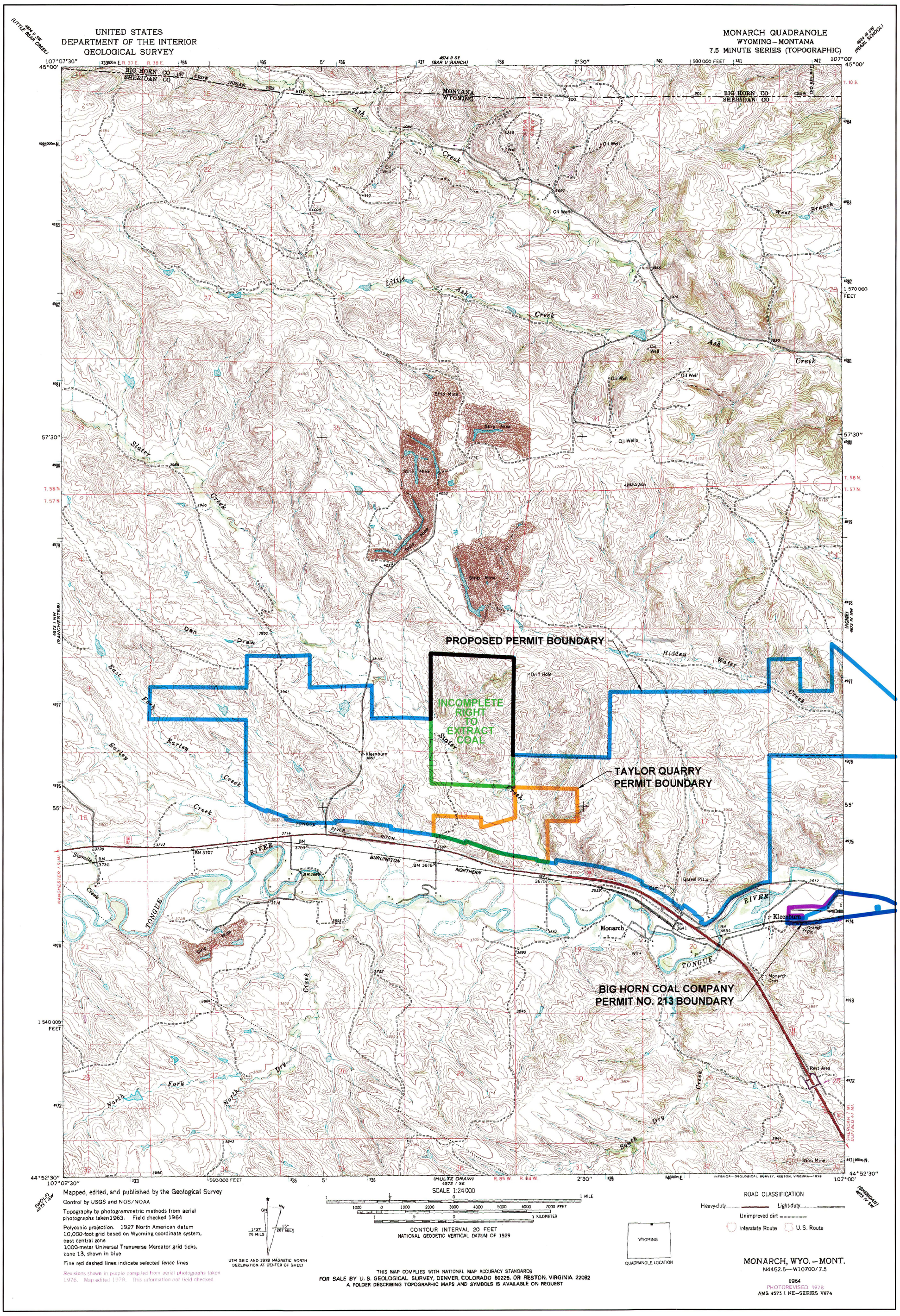
FILE: RC_ADJ_SEO_GW_3MILES_R1



GRAPHIC SCALE (FEET)

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SHERIDAN COUNTY, WY

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SHERIDAN, WY 82801

REVISIONS	
Date	Description

ADJUDICATION
EXHIBIT 9 MAP 1

U.S.G.S. MONARCH QUADRANGLE WITH PERMIT BOUNDARIES IDENTIFIED

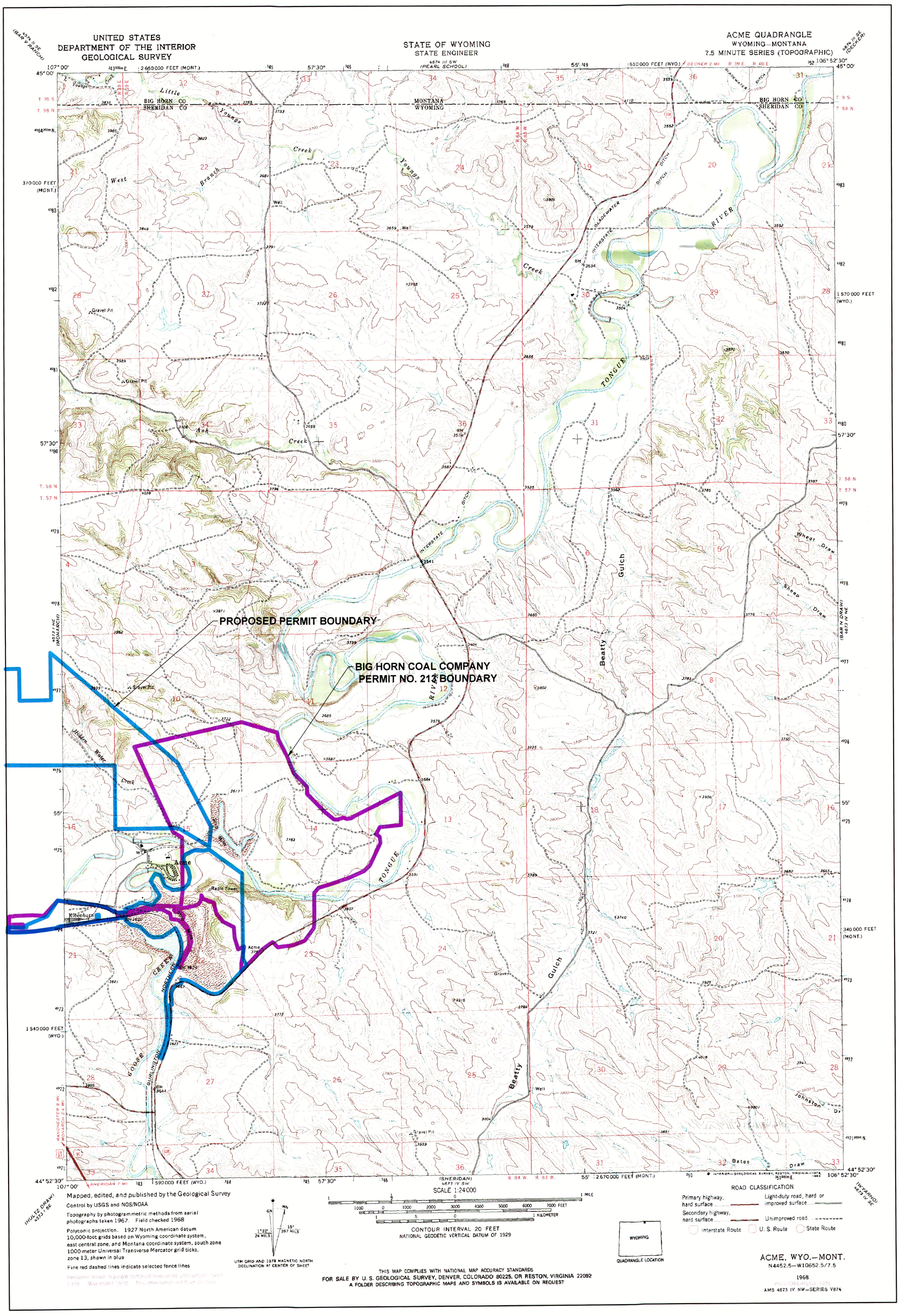
Drawn By: MBM
Checked By: NV
Date: 10/28/14

FILE: RC_ADJ_PERMIT ON QUAD_44107H1

WWC ENGINEERING
www.wwcengineering.com

K:\Sheridan\RAMACO\13139\ACAD_W783EC\DWGS_ADJUDICATION\RC_ADJ_PERMIT ON QUAD_44107H1.dwg 10/31/2014 1:58:40 PM mat mcgill

DEQ 3-016



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RECD NOV 14, 2014

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SHERIDAN COUNTY, WY

1101 SUGARVIEW DR. STE. 201
SHERIDAN, WY 82801

REVISIONS	
Date	Description

ADJUDICATION
EXHIBIT 9 MAP 2

U.S.G.S. ACME QUADRANGLE
WITH PERMIT BOUNDARIES IDENTIFIED

Drawn By: MBM
Checked By: NV
Date: 10/29/14

FILE: RC_ADJ_PERMIT ON QUAD_44106H8

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