R 92 W

T 28 N

FREMONT COUNTY RD. 23
CROOKS GAP ROAD

17
16
15
20
21
22
29
28
27
32
33
34

HANKS DRAW SPOILS FACILITY

CONGO PIT

SOUTH SPOILS FACILITY

ORE PAD

UNDERGROUND MINE SHOP AND DRY

PRIMARY ACCESS ROAD

OFFICE

SHOP AND WAREHOUSE

ACCESS ROAD TO SHEEP I WILL BE MAINTAINED THROUGH THE CONGO PIT AND ON THE SOUTH SIDE OF THE PIT DURING OPERATIONS.

PROPOSED DECLINES TO UNDERGROUND MINE WORKINGS

SHEEP I SHAFT

PROPOSED ACCESS ROAD AND CONVEYOR ALIGNMENT

EXISTING ACCESS ROAD TO BE MAINTAINED

SHEEP II SHAFT

BIG SHEEP DECLINE

EXISTING SHOP AND DRY

PROPOSED NRC LICENSE AREA

McINTOSH PIT

McINTOSH NO. 2 RESERVOIR

CROOKS GAP ROAD

BIG EAGLE ROAD

LEGEND

- SECTION LINE
- PERMIT AREA BOUNDARY
- EXISTING ROAD / ACCESS ROUTE
- EXISTING GROUND CONTOUR
- DESIGN CONTOUR
- MAXIMUM EXTENT OF SURFACE DISTURBANCE
- PROPOSED DISTURBANCE AREA
- PROPOSED DECLINES TO UNDERGROUND MINE WORKINGS
- PROPOSED OVERLAND CONVEYOR ALIGNMENT
- EXISTING MINE PORTAL
- EXISTING MINE SHAFT
- PROPOSED NRC LICENSE AREA

500' 250' 0 500' 1000'
Scale: 1" = 1000'

N W E S

NOTES:
Aerial Photo and Topo Data obtained from Aerial Flight on 10/23/2009
Contour Interval = 10'.

Land Datum: Wyoming State Planes NAD-83, West Central Zone, US Feet.

Energy Fuels

REVISIONS	
Date	By

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

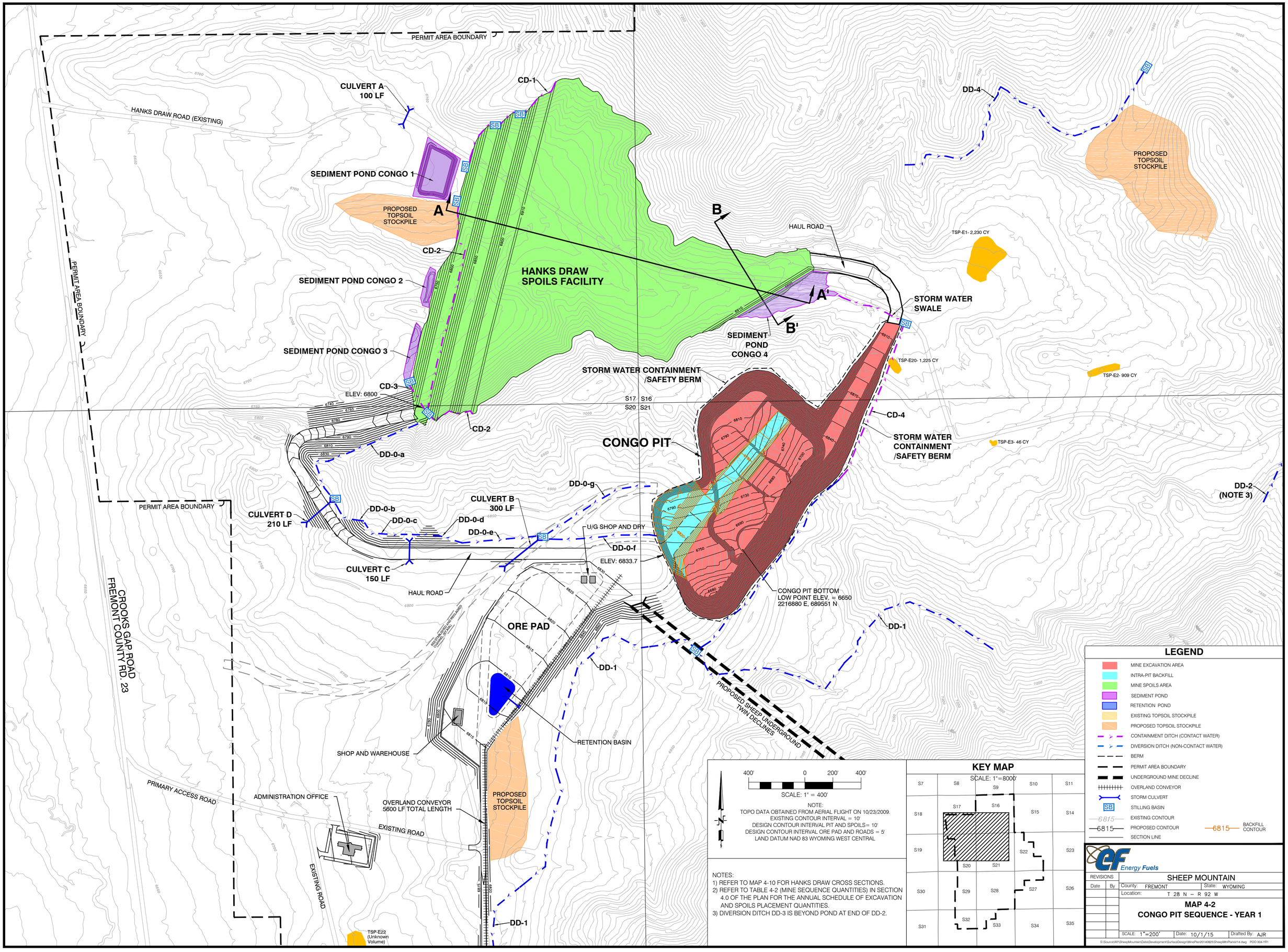
Location: T 28 N – R 92 W

MAP 4-1

OPERATING PLAN

Scale: 1"=1000' Date: 10/5/15 Drafted By: RE

Mine Plan.dwg OP 4-1



400' 0 200' 400'

SCALE: 1" = 400'

NOTE:
TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009.
EXISTING CONTOUR INTERVAL = 10'
DESIGN CONTOUR INTERVAL PIT AND SPOILS= 10'
DESIGN CONTOUR INTERVAL ORE PAD AND ROADS = 5'
LAND DATUM NAD 83 WYOMING WEST CENTRAL

NOTES:
1) REFER TO MAP 4-10 FOR HANKS DRAW CROSS SECTIONS.
2) REFER TO TABLE 4-2 (MINE SEQUENCE QUANTITIES) IN SECTION 4.0 OF THE PLAN FOR THE ANNUAL SCHEDULE OF EXCAVATION AND SPOILS PLACEMENT QUANTITIES.
3) DIVERSION DITCH DD-3 IS BEYOND POND AT END OF DD-2.

KEY MAP

SCALE: 1"=8000'

S7	S8	S9	S10	S11
S18	S17	S16	S15	S14
S19			S22	S23
	S20	S21		
S30	S29	S28	S27	S26
S31	S32	S33	S34	S35

LEGEND

- MINE EXCAVATION AREA
- INTRA-PIT BACKFILL
- MINE SPOILS AREA
- SEDIMENT POND
- RETENTION POND
- EXISTING TOPSOIL STOCKPILE
- PROPOSED TOPSOIL STOCKPILE
- CONTAINMENT DITCH (CONTACT WATER)
- DIVERSION DITCH (NON-CONTACT WATER)
- BERM
- PERMIT AREA BOUNDARY
- UNDERGROUND MINE DECLINE
- OVERLAND CONVEYOR
- STORM CULVERT
- SB STILLING BASIN
- 6815 EXISTING CONTOUR
- 6815 PROPOSED CONTOUR
- 6815 BACKFILL CONTOUR
- SECTION LINE

Energy Fuels

REVISIONS		
Date	By	

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

Location: T 28 N – R 92 W

MAP 4-2

CONGO PIT SEQUENCE - YEAR 1

SCALE: 1"=200' Date: 10/1/15 Drafted By: AJR

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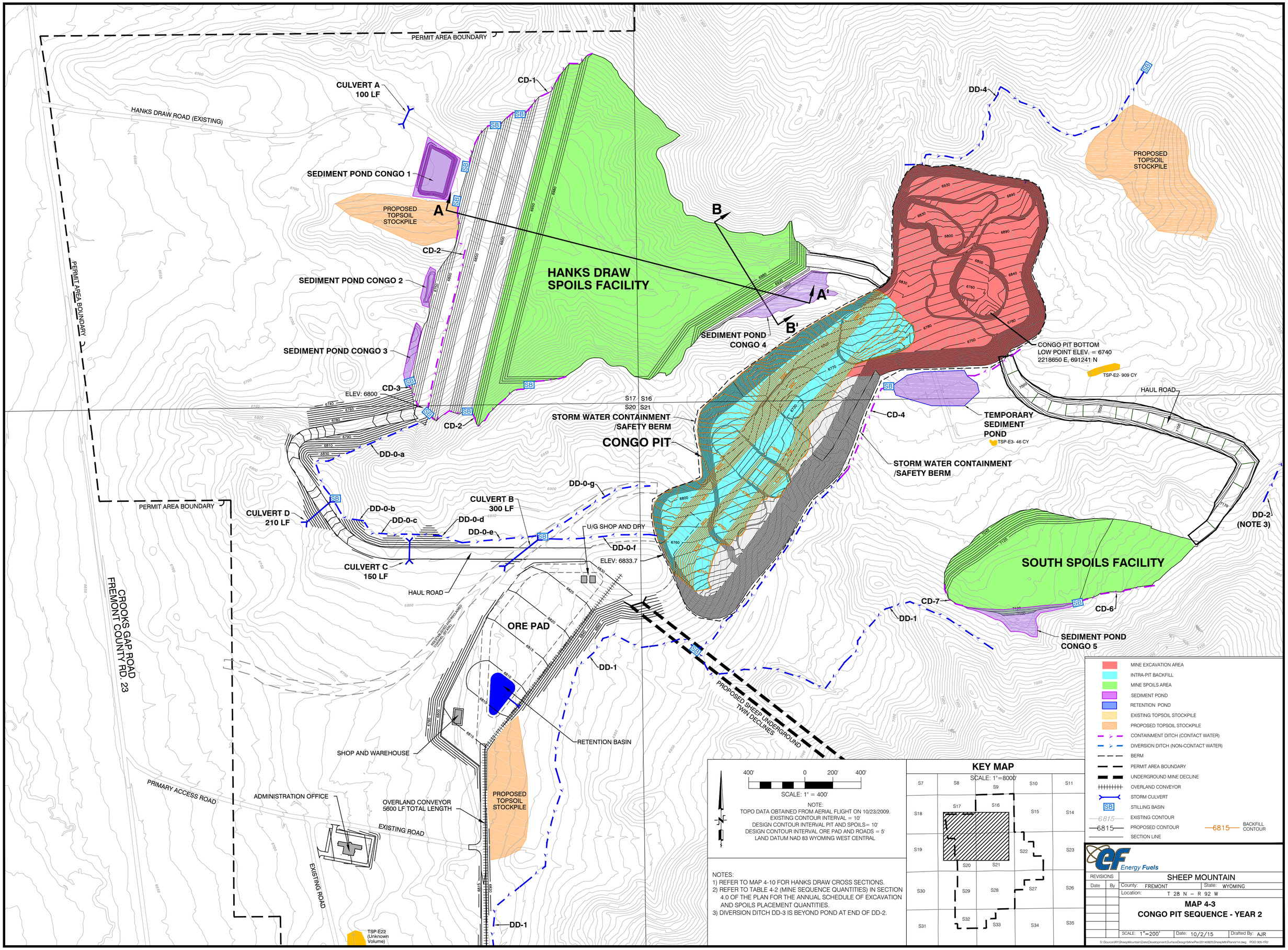

400' 0 200' 400'

SCALE: 1" = 400'

NOTE:
TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009.
EXISTING CONTOUR INTERVAL = 10'
DESIGN CONTOUR INTERVAL PIT AND SPOILS= 10'
DESIGN CONTOUR INTERVAL ORE PAD AND ROADS = 5'
LAND DATUM NAD 83 WYOMING WEST CENTRAL

NOTES:
1) REFER TO MAP 4-10 FOR HANKS DRAW CROSS SECTIONS.
2) REFER TO TABLE 4-2 (MINE SEQUENCE QUANTITIES) IN SECTION 4.0 OF THE PLAN FOR THE ANNUAL SCHEDULE OF EXCAVATION AND SPOILS PLACEMENT QUANTITIES.
3) DIVERSION DITCH DD-3 IS BEYOND POND AT END OF DD-2.

KEY MAP

SCALE: 1"=8000'

S7	S8	S9	S10	S11
S18		S17 S16	S15	S14
S19		S20 S21	S22	S23
S30	S29	S28	S27	S26
S31	S32	S33	S34	S35

- MINE EXCAVATION AREA
- INTRA-PIT BACKFILL
- MINE SPOILS AREA
- SEDIMENT POND
- RETENTION POND
- EXISTING TOPSOIL STOCKPILE
- PROPOSED TOPSOIL STOCKPILE
- CONTAINMENT DITCH (CONTACT WATER)
- DIVERSION DITCH (NON-CONTACT WATER)
- BERM
- PERMIT AREA BOUNDARY
- UNDERGROUND MINE DECLINE
- OVERLAND CONVEYOR
- STORM CULVERT
- SB STILLING BASIN
- 6815 EXISTING CONTOUR
- 6815 PROPOSED CONTOUR
- 6815 BACKFILL CONTOUR
- SECTION LINE

Energy Fuels

REVISIONS		
Date	By	

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

Location: T 28 N – R 92 W

MAP 4-3
CONGO PIT SEQUENCE - YEAR 2

SCALE: 1"=200' Date: 10/2/15 Drafted By: AJR

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PERMIT AREA BOUNDARY

HANKS DRAW ROAD (EXISTING)

CULVERT A 100 LF

CD-1

SEDIMENT POND CONGO 1

PROPOSED TOPSOIL STOCKPILE

A

CD-2

SEDIMENT POND CONGO 2

HANKS DRAW SPOILS FACILITY

SEDIMENT POND CONGO 3

CD-3

ELEV: 6800

DD-0-a

DD-0-b

DD-0-c

DD-0-d

DD-0-e

DD-0-f

DD-0-g

CULVERT B 300 LF

CULVERT C 150 LF

CULVERT D 210 LF

U/G SHOP AND DRY

ELEV: 6833.7

HAUL ROAD

ORE PAD

RETENTION BASIN

SHOP AND WAREHOUSE

ADMINISTRATION OFFICE

OVERLAND CONVEYOR 5600 LF TOTAL LENGTH

PRIMARY ACCESS ROAD

EXISTING ROAD

PROPOSED TOPSOIL STOCKPILE

TSP-E22 (Unknown Volume)

CROOKS GAP ROAD FREMONT COUNTY RD. 23

PERMIT AREA BOUNDARY

DD-1

CD-2

CD-5

SEDIMENT POND CONGO 4

B

B'

A'

SEDIMENT POND CONGO 6

SEDIMENT POND CONGO 7

HAUL ROAD

DD-4

PROPOSED TOPSOIL STOCKPILE

CONGO PIT BOTTOM LOW POINT ELEV. = 6650 2220021 E, 691193 N

TSP-E2- 909 CY

HAUL ROAD

CD-4

TEMPORARY SEDIMENT POND

TSP-E3- 46 CY

STORM WATER CONTAINMENT /SAFETY BERM

S17 S16 S20 S21

STORM WATER CONTAINMENT /SAFETY BERM

CONGO PIT

DD-2 (NOTE 3)

SOUTH SPOILS FACILITY

CD-7

CD-6

DD-1

SEDIMENT POND CONGO 5

PROPOSED SHEEP UNDERGROUND TWIN DECLINES

400' 0 200' 400'

SCALE: 1" = 400'

NOTE:
TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009.
EXISTING CONTOUR INTERVAL = 10'
DESIGN CONTOUR INTERVAL PIT AND SPOILS= 10'
DESIGN CONTOUR INTERVAL ORE PAD AND ROADS = 5'
LAND DATUM NAD 83 WYOMING WEST CENTRAL

NOTES:
1) REFER TO MAP 4-10 FOR HANKS DRAW CROSS SECTIONS.
2) REFER TO TABLE 4-2 (MINE SEQUENCE QUANTITIES) IN SECTION 4.0 OF THE PLAN FOR THE ANNUAL SCHEDULE OF EXCAVATION AND SPOILS PLACEMENT QUANTITIES.
3) DIVERSION DITCH DD-3 IS BEYOND POND AT END OF DD-2.

KEY MAP

SCALE: 1"=8000'

S7 S8 S9 S10 S11
S18 S17 S16 S15 S14
S19 S20 S21 S22 S23
S30 S29 S28 S27 S26
S31 S32 S33 S34 S35

- MINE EXCAVATION AREA
- INTRA-PIT BACKFILL
- MINE SPOILS AREA
- SEDIMENT POND
- RETENTION POND
- EXISTING TOPSOIL STOCKPILE
- PROPOSED TOPSOIL STOCKPILE
- CONTAINMENT DITCH (CONTACT WATER)
- DIVERSION DITCH (NON-CONTACT WATER)
- BERM
- PERMIT AREA BOUNDARY
- UNDERGROUND MINE DECLINE
- OVERLAND CONVEYOR
- STORM CULVERT
- SB STILLING BASIN
- 6815 EXISTING CONTOUR
- 6815 PROPOSED CONTOUR
- SECTION LINE
- 6815 BACKFILL CONTOUR

Energy Fuels

REVISIONS		SHEEP MOUNTAIN	
Date	By	County: FREMONT	State: WYOMING
		Location: T 28 N – R 92 W	

MAP 4-4
CONGO PIT SEQUENCE - YEAR 3

SCALE: 1"=200' Date: 10/2/15 Drafted By: AJR

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PERMIT AREA BOUNDARY

CD-1

CULVERT A 100 LF

HANKS DRAW ROAD (EXISTING)

SEDIMENT POND CONGO 1

PROPOSED TOPSOIL STOCKPILE

A

HANKS DRAW SPOILS FACILITY

B

DD-4

SEDIMENT POND CONGO 7

HAUL ROAD

SEDIMENT POND CONGO 6

PROPOSED TOPSOIL STOCKPILE

CD-2

SEDIMENT POND CONGO 2

A'

B'

SEDIMENT POND CONGO 4

CD-5

SEDIMENT POND CONGO 3

CD-3

ELEV: 6800

CD-2

S17 S16
S20 S21

CONGO PIT

TSP-E2- 909 CY

HAUL ROAD

CD-4

TEMPORARY SEDIMENT POND

TSP-E3- 46 CY

STORM WATER CONTAINMENT /SAFETY BERM

DD-0-a

DD-0-g

CULVERT B 300 LF

DD-0-b

DD-0-c

DD-0-d

DD-0-e

U/G SHOP AND DRY

DD-0-f

ELEV: 6833.7

DD-2 (NOTE 3)

CULVERT D 210 LF

CULVERT C 150 LF

HAUL ROAD

SOUTH SPOILS FACILITY

CD-7

CD-6

DD-1

SEDIMENT POND CONGO 5

ORE PAD

CONGO PIT BOTTOM LOW POINT ELEV. = 6550 2217109 E, 689124 N

DD-1

PROPOSED SHEEP UNDERGROUND TWIN DECLINES

RETENTION BASIN

SHOP AND WAREHOUSE

PRIMARY ACCESS ROAD

ADMINISTRATION OFFICE

OVERLAND CONVEYOR 5600 LF TOTAL LENGTH

PROPOSED TOPSOIL STOCKPILE

EXISTING ROAD

EXISTING ROAD

TSP-E22 (Unknown Volume)

DD-1

CROOKS GAP ROAD
FREMONT COUNTY RD. 23

PERMIT AREA BOUNDARY

PERMIT AREA BOUNDARY

400' 0 200' 400'

SCALE: 1" = 400'

NOTE:
TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009.
EXISTING CONTOUR INTERVAL = 10'
DESIGN CONTOUR INTERVAL PIT AND SPOILS= 10'
DESIGN CONTOUR INTERVAL ORE PAD AND ROADS = 5'
LAND DATUM NAD 83 WYOMING WEST CENTRAL

NOTES:
1) REFER TO MAP 4-10 FOR HANKS DRAW CROSS SECTIONS.
2) REFER TO TABLE 4-2 (MINE SEQUENCE QUANTITIES) IN SECTION 4.0 OF THE PLAN FOR THE ANNUAL SCHEDULE OF EXCAVATION AND SPOILS PLACEMENT QUANTITIES.
3) DIVERSION DITCH DD-3 IS BEYOND POND AT END OF DD-2.

KEY MAP

SCALE: 1"=8000'

S7	S8	S9	S10	S11
S18	S17	S16	S15	S14
S19	S20	S21	S22	S23
S30	S29	S28	S27	S26
S31	S32	S33	S34	S35

- MINE EXCAVATION AREA
- INTRA-PIT BACKFILL
- MINE SPOILS AREA
- SEDIMENT POND
- RETENTION POND
- EXISTING TOPSOIL STOCKPILE
- PROPOSED TOPSOIL STOCKPILE
- CONTAINMENT DITCH (CONTACT WATER)
- DIVERSION DITCH (NON-CONTACT WATER)
- BERM
- PERMIT AREA BOUNDARY
- UNDERGROUND MINE DECLINE
- OVERLAND CONVEYOR
- STORM CULVERT
- SB STILLING BASIN
- 6815 EXISTING CONTOUR
- 6815 PROPOSED CONTOUR
- 6815 BACKFILL CONTOUR
- SECTION LINE

Energy Fuels

REVISIONS		
Date	By	

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

Location: T 28 N – R 92 W

MAP 4-5
CONGO PIT SEQUENCE - YEAR 4

SCALE: 1"=200' Date: 10/2/15 Drafted By: AJR

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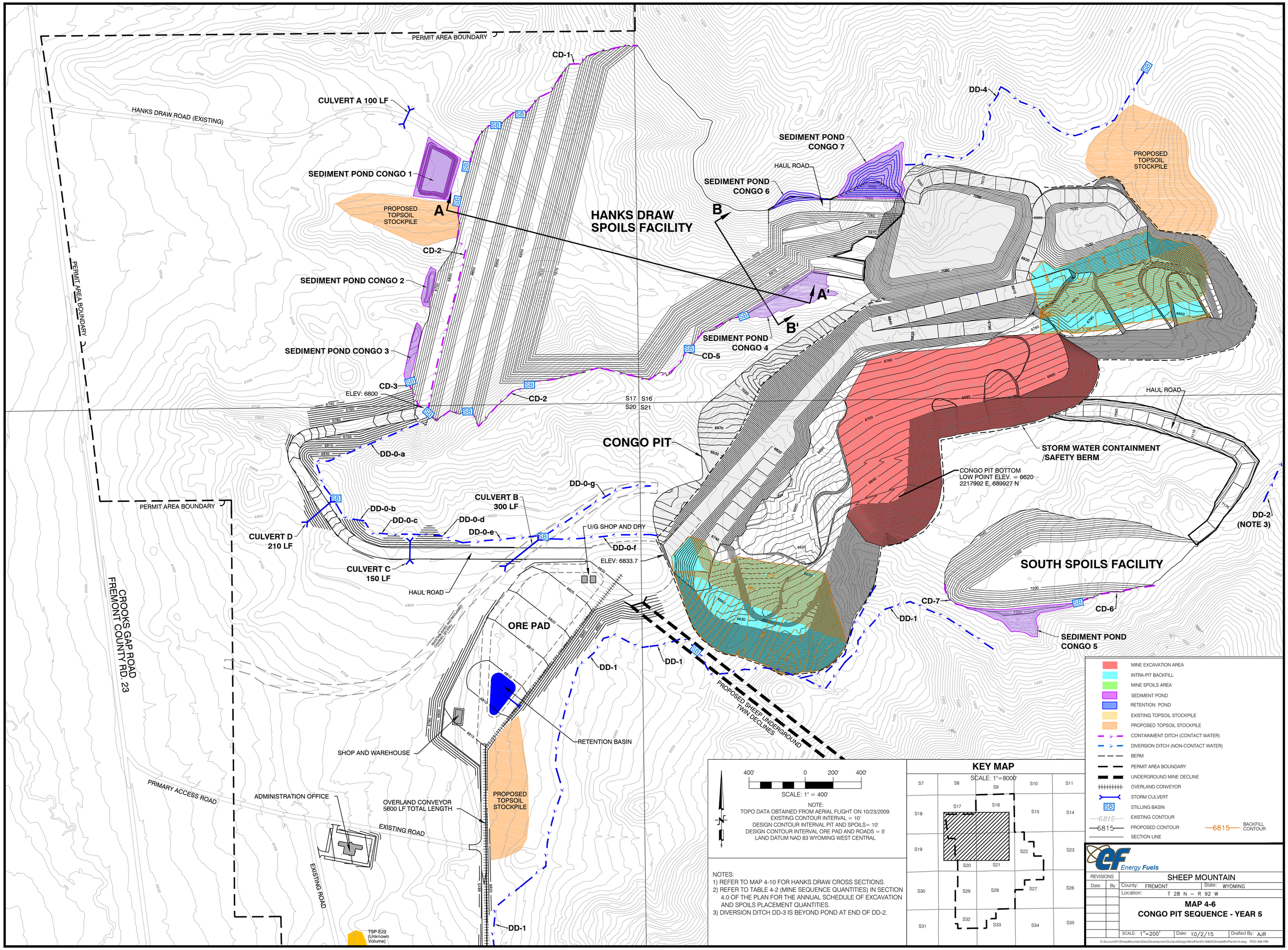

NOTES:
1) REFER TO MAP 4-10 FOR HANKS DRAW CROSS SECTIONS.
2) REFER TO TABLE 4-2 (MINE SEQUENCE QUANTITIES) IN SECTION 4.0 OF THE PLAN FOR THE ANNUAL SCHEDULE OF EXCAVATION AND SPOILS PLACEMENT QUANTITIES.
3) DIVERSION DITCH DD-3 IS BEYOND POND AT END OF DD-2.

Energy Fuels

REVISIONS		SHEEP MOUNTAIN	
Date	By	County: FREMONT	State: WYOMING
		Location: T 28 N – R 92 W	
		MAP 4-6 CONGO PIT SEQUENCE - YEAR 5	
		SCALE: 1"=200'	Date: 10/2/15	Drafted By: AJR

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PERMIT AREA BOUNDARY

CD-1

CULVERT A 100 LF

HANKS DRAW ROAD (EXISTING)

SEDIMENT POND CONGO 1

PROPOSED TOPSOIL STOCKPILE

A

HANKS DRAW SPOILS FACILITY

B

CD-2

SEDIMENT POND CONGO 2

SEDIMENT POND CONGO 3

CD-3

ELEV: 6800

CD-2

CD-5

SEDIMENT POND CONGO 4

B'

A'

DD-4

SEDIMENT POND CONGO 7

HAUL ROAD

PROPOSED TOPSOIL STOCKPILE

S17 S16 S20 S21

CONGO PIT

DD-0-a

DD-0-g

DD-0-b

DD-0-c

DD-0-d

DD-0-e

CULVERT B 300 LF

U/G SHOP AND DRY

DD-0-f

ELEV: 6833.7

CULVERT D 210 LF

CULVERT C 150 LF

HAUL ROAD

STORM WATER CONTAINMENT /SAFETY BERM

CONGO PIT BOTTOM LOW POINT ELEV. = 6550 2218471 E, 690095 N

DD-2 (NOTE 3)

SOUTH SPOILS FACILITY

CD-7

CD-6

DD-1

SEDIMENT POND CONGO 5

ORE PAD

DD-1

DD-1

PROPOSED SHEEP UNDERGROUND TWIN DECLINES

RETENTION BASIN

SHOP AND WAREHOUSE

CROOKS GAP ROAD FREMONT COUNTY RD. 23

PRIMARY ACCESS ROAD

ADMINISTRATION OFFICE

OVERLAND CONVEYOR 5600 LF TOTAL LENGTH

PROPOSED TOPSOIL STOCKPILE

EXISTING ROAD

EXISTING ROAD

TSP-E22 (Unknown Volume)

DD-1

400' 0 200' 400'

SCALE: 1" = 400'

NOTE:
TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009.
EXISTING CONTOUR INTERVAL = 10'
DESIGN CONTOUR INTERVAL PIT AND SPOILS= 10'
DESIGN CONTOUR INTERVAL ORE PAD AND ROADS = 5'
LAND DATUM NAD 83 WYOMING WEST CENTRAL

NOTES:
1) REFER TO MAP 4-10 FOR HANKS DRAW CROSS SECTIONS.
2) REFER TO TABLE 4-2 (MINE SEQUENCE QUANTITIES) IN SECTION 4.0 OF THE PLAN FOR THE ANNUAL SCHEDULE OF EXCAVATION AND SPOILS PLACEMENT QUANTITIES.
3) DIVERSION DITCH DD-3 IS BEYOND POND AT END OF DD-2.

KEY MAP

SCALE: 1"=8000'

S7	S8	S9	S10	S11
S18	S17	S16	S15	S14
S19	S20	S21	S22	S23
S30	S29	S28	S27	S26
S31	S32	S33	S34	S35

- MINE EXCAVATION AREA
- INTRA-PIT BACKFILL
- MINE SPOILS AREA
- SEDIMENT POND
- RETENTION POND
- EXISTING TOPSOIL STOCKPILE
- PROPOSED TOPSOIL STOCKPILE
- CONTAINMENT DITCH (CONTACT WATER)
- DIVERSION DITCH (NON-CONTACT WATER)
- BERM
- PERMIT AREA BOUNDARY
- UNDERGROUND MINE DECLINE
- OVERLAND CONVEYOR
- STORM CULVERT
- SB STILLING BASIN
- 6815 EXISTING CONTOUR
- 6815 PROPOSED CONTOUR — 6815 BACKFILL CONTOUR
- SECTION LINE

Energy Fuels

REVISIONS		SHEEP MOUNTAIN MINES PERMIT 381-C	
Date	By	County: FREMONT	State: WYOMING
		Location: T 28 N – R 92 W	

MAP 4-7
CONGO PIT SEQUENCE - YEAR 6

SCALE: 1"=200' | Date: 10/2/15 | Drafted By: AJR

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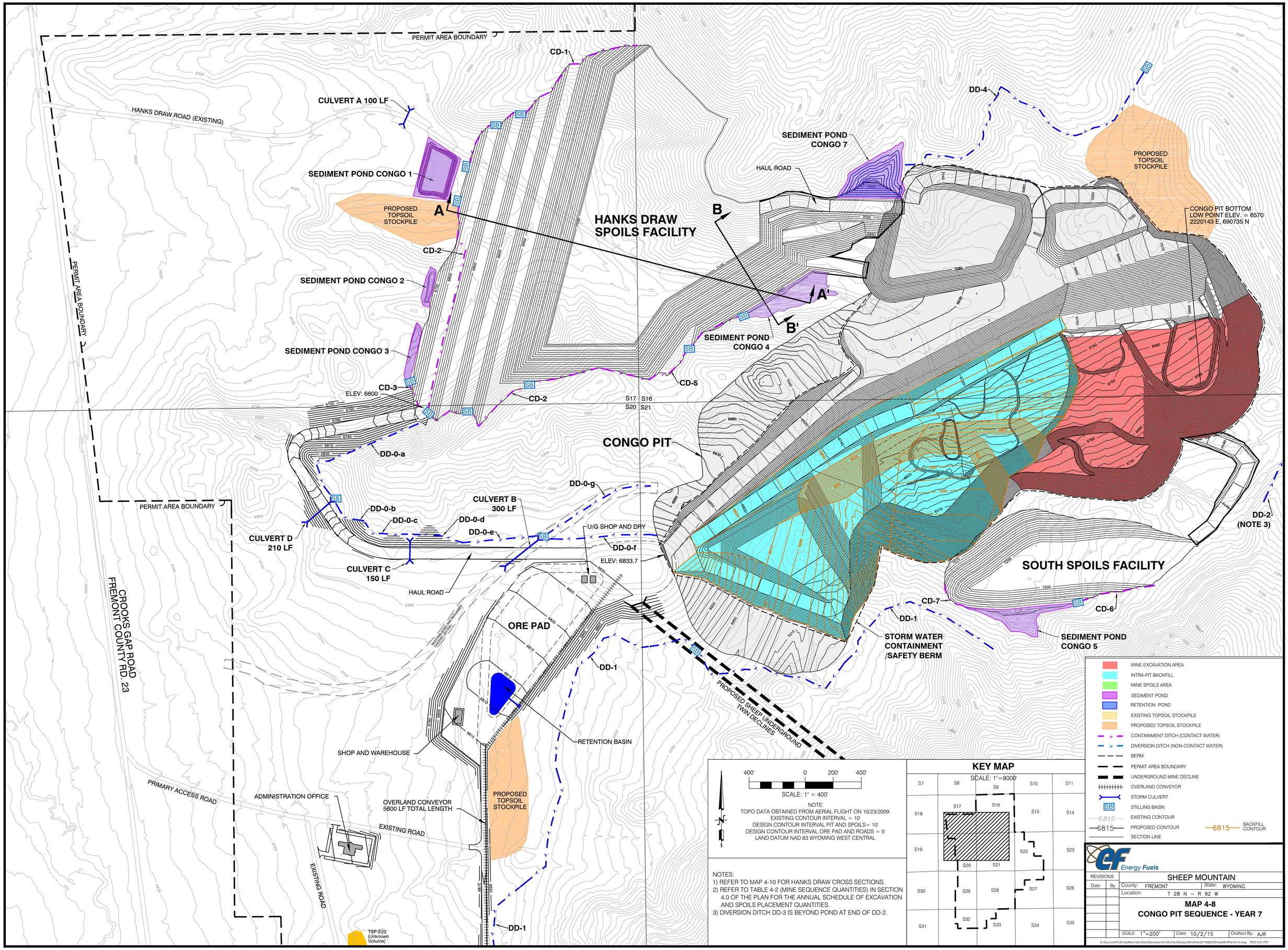


PERMIT AREA BOUNDARY
HANKS DRAW ROAD (EXISTING)
CULVERT A 100 LF
SEDIMENT POND CONGO 1
PROPOSED TOPSOIL STOCKPILE
A
CD-1
CD-2
SEDIMENT POND CONGO 2
SEDIMENT POND CONGO 3
CD-3
ELEV: 6800
HANKS DRAW SPOILS FACILITY
B
A'
B'
SEDIMENT POND CONGO 4
CD-5
SEDIMENT POND CONGO 7
HAUL ROAD
DD-4
PROPOSED TOPSOIL STOCKPILE
CONGO PIT BOTTOM LOW POINT ELEV. = 6570 2220143 E, 690735 N
S17 S16
S20 S21
CONGO PIT
DD-0-a
DD-0-g
CULVERT B 300 LF
DD-0-b
DD-0-c
DD-0-d
DD-0-e
DD-0-f
U/G SHOP AND DRY
ELEV: 6833.7
CULVERT D 210 LF
CULVERT C 150 LF
HAUL ROAD
ORE PAD
DD-1
SOUTH SPOILS FACILITY
DD-2 (NOTE 3)
CD-7
CD-6
STORM WATER CONTAINMENT /SAFETY BERM
SEDIMENT POND CONGO 5
PROPOSED SHEEP UNDERGROUND TWIN DECLINES
CROOKS GAP ROAD FREMONT COUNTY RD. 23
RETENTION BASIN
SHOP AND WAREHOUSE
PRIMARY ACCESS ROAD
ADMINISTRATION OFFICE
OVERLAND CONVEYOR 5600 LF TOTAL LENGTH
PROPOSED TOPSOIL STOCKPILE
EXISTING ROAD
EXISTING ROAD
TSP-E22 (Unknown Volume)
DD-1
400' 0 200' 400'
SCALE: 1" = 400'
NOTE:
TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009.
EXISTING CONTOUR INTERVAL = 10'
DESIGN CONTOUR INTERVAL PIT AND SPOILS= 10'
DESIGN CONTOUR INTERVAL ORE PAD AND ROADS = 5'
LAND DATUM NAD 83 WYOMING WEST CENTRAL
NOTES:
1) REFER TO MAP 4-10 FOR HANKS DRAW CROSS SECTIONS.
2) REFER TO TABLE 4-2 (MINE SEQUENCE QUANTITIES) IN SECTION 4.0 OF THE PLAN FOR THE ANNUAL SCHEDULE OF EXCAVATION AND SPOILS PLACEMENT QUANTITIES.
3) DIVERSION DITCH DD-3 IS BEYOND POND AT END OF DD-2.
KEY MAP
SCALE: 1"=8000'
S7 S8 S9 S10 S11
S18 S17 S16 S15 S14
S19 S20 S21 S22 S23
S30 S29 S28 S27 S26
S31 S32 S33 S34 S35
MINE EXCAVATION AREA
INTRA-PIT BACKFILL
MINE SPOILS AREA
SEDIMENT POND
RETENTION POND
EXISTING TOPSOIL STOCKPILE
PROPOSED TOPSOIL STOCKPILE
CONTAINMENT DITCH (CONTACT WATER)
DIVERSION DITCH (NON-CONTACT WATER)
BERM
PERMIT AREA BOUNDARY
UNDERGROUND MINE DECLINE
OVERLAND CONVEYOR
STORM CULVERT
STILLING BASIN
EXISTING CONTOUR
PROPOSED CONTOUR
SECTION LINE
BACKFILL CONTOUR
Energy Fuels
REVISIONS
Date By
SHEEP MOUNTAIN
County: FREMONT
State: WYOMING
Location: T 28 N – R 92 W
MAP 4-8
CONGO PIT SEQUENCE - YEAR 7
SCALE: 1"=200'
Date: 10/2/15
Drafted By: AJR

PERMIT AREA BOUNDARY

CD-1

CULVERT A 100 LF

HANKS DRAW ROAD (EXISTING)

SEDIMENT POND CONGO 1

PROPOSED TOPSOIL STOCKPILE

A

CD-2

HANKS DRAW SPOILS FACILITY

B

A'

B'

SEDIMENT POND CONGO 4

CD-5

CD-2

CD-3

ELEV: 6800

S17 S16 S20 S21

CONGO PIT

DD-0-a

DD-0-g

CULVERT B 300 LF

DD-0-b

DD-0-c

DD-0-d

DD-0-e

U/G SHOP AND DRY

DD-0-f

ELEV: 6833.7

CULVERT D 210 LF

CULVERT C 150 LF

HAUL ROAD

ORE PAD

DD-1

RETENTION BASIN

SHOP AND WAREHOUSE

PROPOSED TOPSOIL STOCKPILE

PRIMARY ACCESS ROAD

ADMINISTRATION OFFICE

OVERLAND CONVEYOR 5600 LF TOTAL LENGTH

EXISTING ROAD

EXISTING ROAD

TSP-E22 (Unknown Volume)

CROOKS GAP ROAD FREMONT COUNTY RD. 23

PERMIT AREA BOUNDARY

PERMIT AREA BOUNDARY

DD-4

SEDIMENT POND CONGO 7

HAUL ROAD

PROPOSED TOPSOIL STOCKPILE

DD-2 (NOTE 3)

SOUTH SPOILS FACILITY

CD-7

CD-6

DD-1

CONGO PIT BOTTOM LOW POINT ELEV.= 6640 2219917 E, 690402 N

PROPOSED SHEEP UNDERGROUND TWIN DECLINES

400' 0 200' 400'

SCALE: 1" = 400'

NOTE:
TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009.
EXISTING CONTOUR INTERVAL = 10'
DESIGN CONTOUR INTERVAL PIT AND SPOILS= 10'
DESIGN CONTOUR INTERVAL ORE PAD AND ROADS = 5'
LAND DATUM NAD 83 WYOMING WEST CENTRAL

NOTES:
1) REFER TO MAP 4-10 FOR HANKS DRAW CROSS SECTIONS.
2) REFER TO TABLE 4-2 (MINE SEQUENCE QUANTITIES) IN SECTION 4.0 OF THE PLAN FOR THE ANNUAL SCHEDULE OF EXCAVATION AND SPOILS PLACEMENT QUANTITIES.
3) DIVERSION DITCH DD-3 IS BEYOND POND AT END OF DD-2.

KEY MAP

SCALE: 1"=8000'

S7 S8 S9 S10 S11
S17 S16
S18 S15 S14
S19 S22 S23
S20 S21
S30 S29 S28 S27 S26
S32 S33
S31 S34 S35

- MINE EXCAVATION AREA
- INTRA-PIT BACKFILL
- MINE SPOILS AREA
- SEDIMENT POND
- RETENTION POND
- EXISTING TOPSOIL STOCKPILE
- PROPOSED TOPSOIL STOCKPILE
- CONTAINMENT DITCH (CONTACT WATER)
- DIVERSION DITCH (NON-CONTACT WATER)
- BERM
- PERMIT AREA BOUNDARY
- UNDERGROUND MINE DECLINE
- OVERLAND CONVEYOR
- STORM CULVERT
- SB STILLING BASIN
- 6815 EXISTING CONTOUR
- 6815 PROPOSED CONTOUR
- 6815 BACKFILL CONTOUR
- SECTION LINE

Energy Fuels

REVISIONS		
Date	By	

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

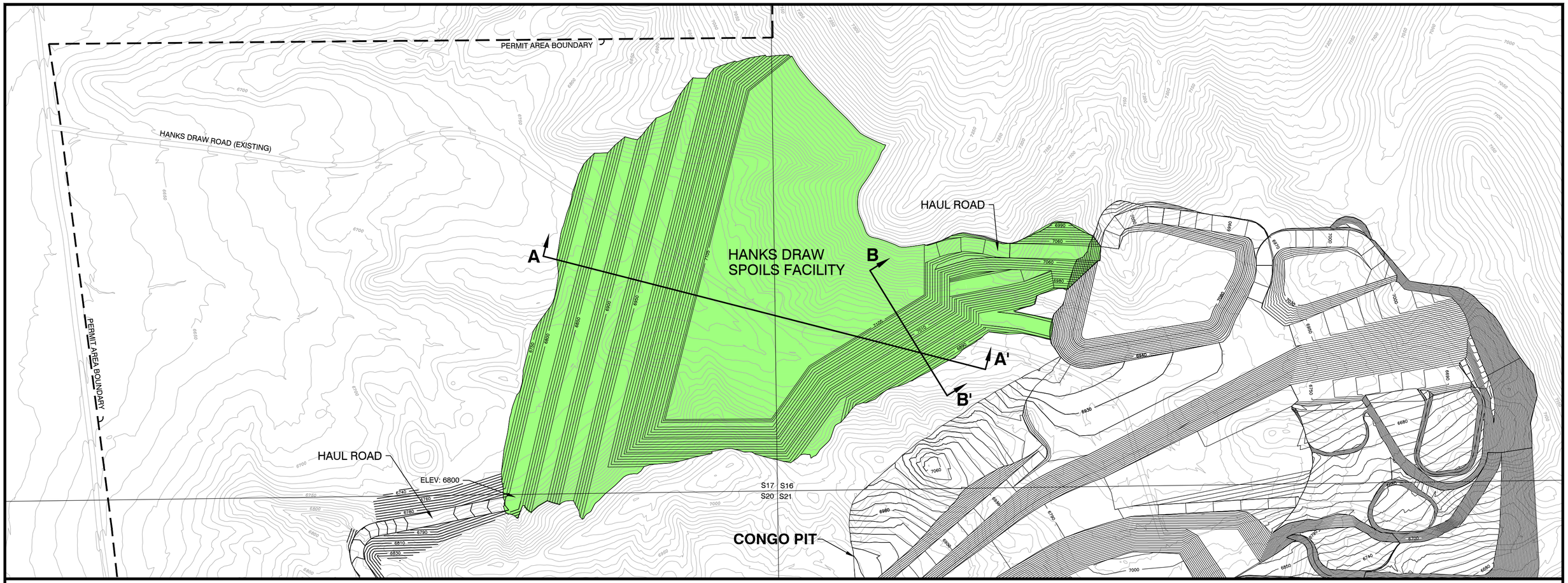
Location: T 28 N – R 92 W

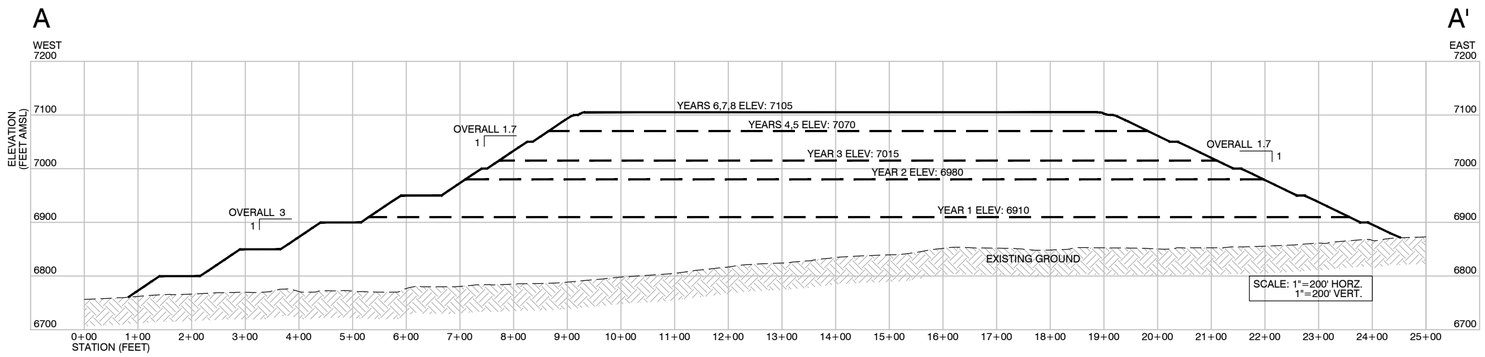
MAP 4-9

CONGO PIT SEQUENCE - YEAR 8

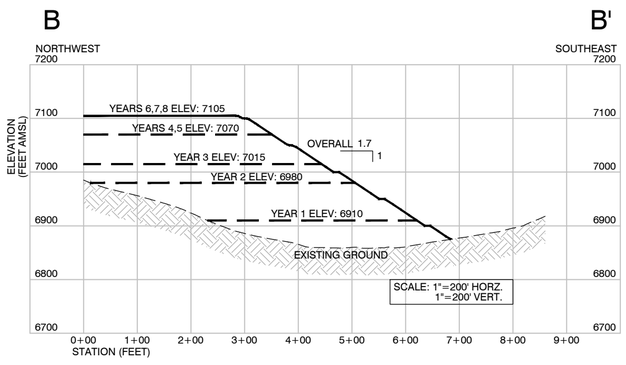
SCALE: 1"=200' Date: 10/2/15 Drafted By: AJR

S:\Source\WY\SheepMountain\Data\Development\SurfaceDesign\MinePlan\20140825SheepMtnPlans\V14.dwg PDO 311-1R8

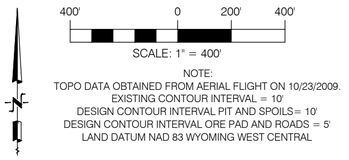




SECTION A-A'



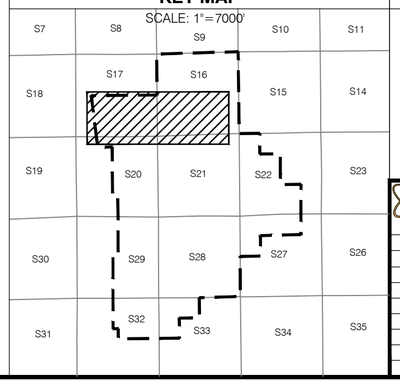
SECTION B-B'



NOTE:
TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009.
EXISTING CONTOUR INTERVAL = 10'
DESIGN CONTOUR INTERVAL PIT AND SPOILS= 10'
DESIGN CONTOUR INTERVAL ORE PAD AND ROADS = 5'
LAND DATUM NAD 83 WYOMING WEST CENTRAL

KEY MAP

SCALE: 1"=7000'



LEGEND

- MINE SPOILS AREA
- PERMIT AREA BOUNDARY
- SECTION LINE
- 6815 EXISTING CONTOUR
- 6815 PROPOSED CONTOUR

Energy Fuels

REVISIONS	
Date	By

SHEEP MOUNTAIN

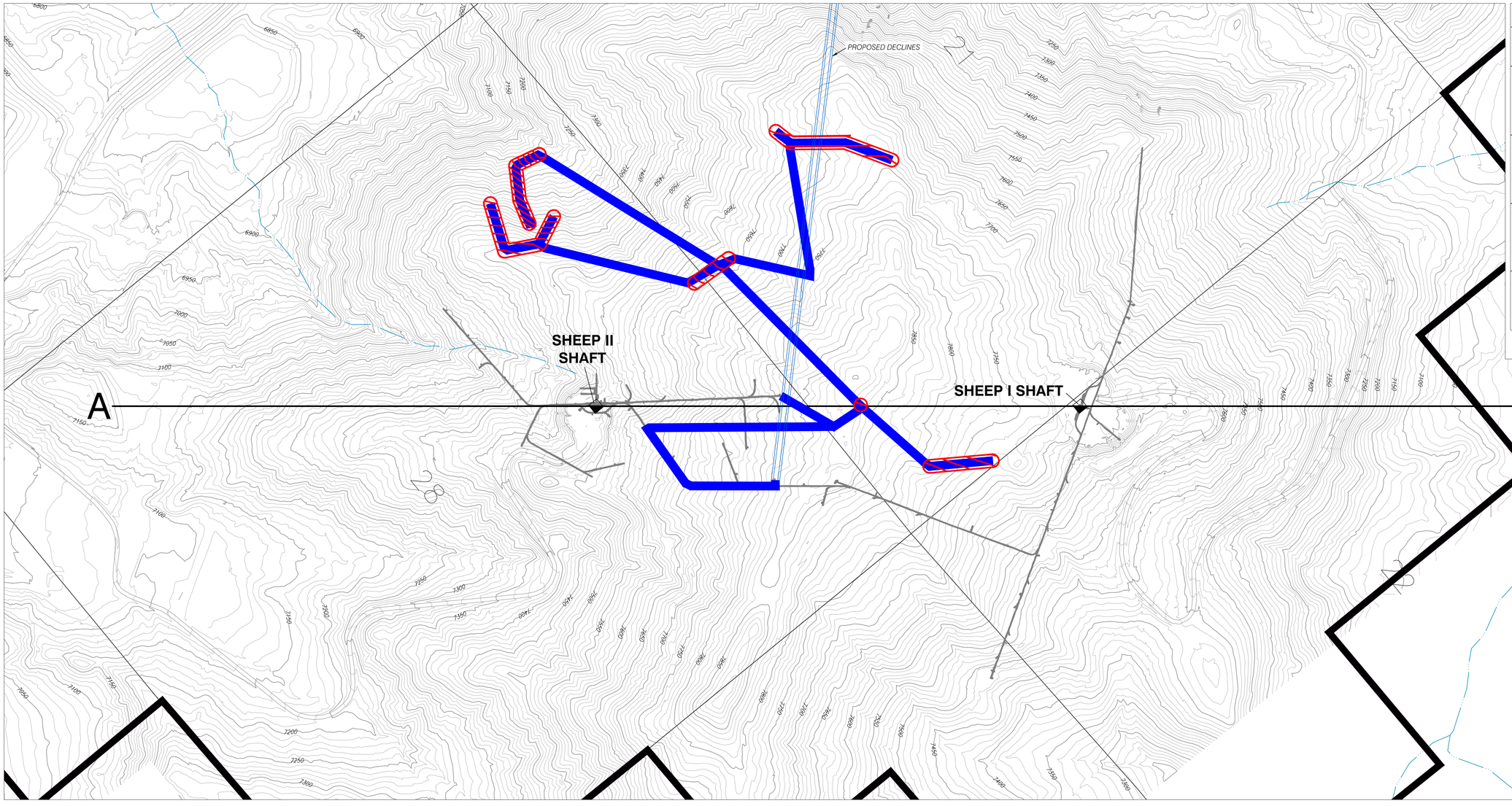
County: FREMONT State: WYOMING

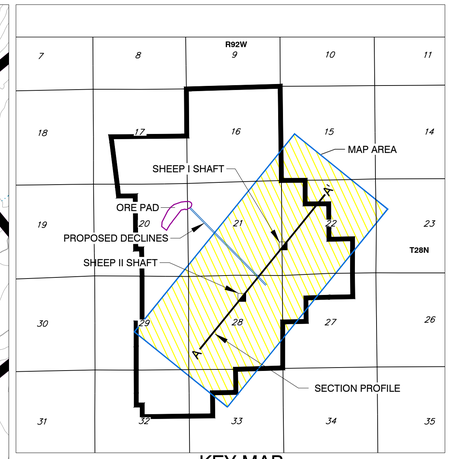
Location: T 28 N – R 92 W

MAP 4-10
HANKS DRAW CROSS SECTIONS

SCALE: VARIES Date: 10/2/15 Drafted By: AJR

S:\Source\WY\SheepMountain\Data\Development\SurfaceDesign\MinePlan\20140825\SheepMtnPlans\14.dwg POO 312-Sections



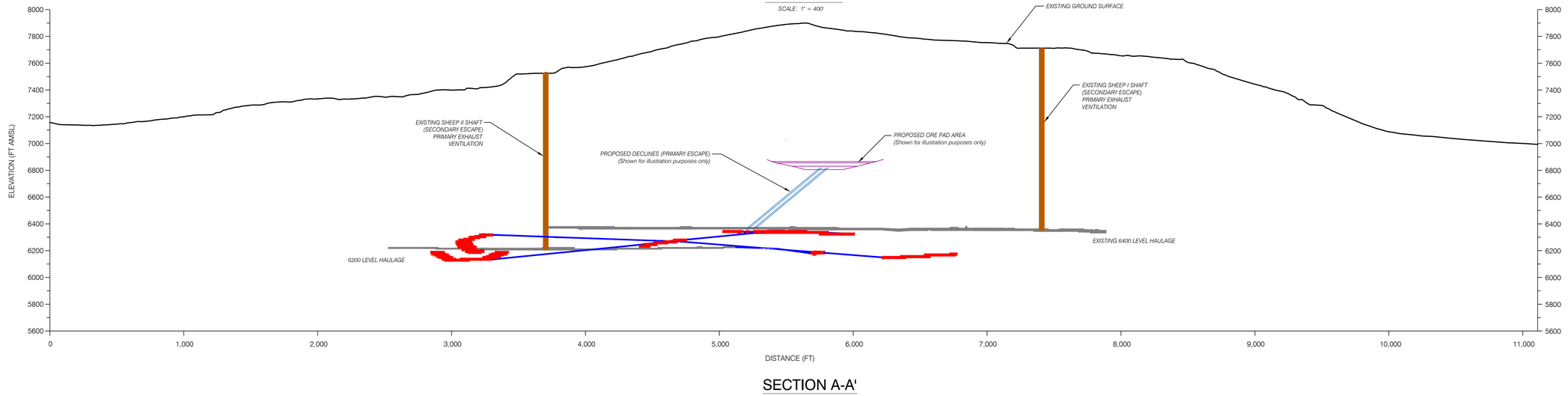


KEY MAP

SCALE: 1" = 4000'

PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" = 400'

LEGEND

- A—A' SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:
1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'
2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL
3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

Energy Fuels

REVISIONS		SHEEP MOUNTAIN	
Date	By	County: FREMONT	State: WYOMING
		Location: T 28 N – R 92 W	
		MAP 4-11 SHEEP UNDERGROUND SEQUENCE YEAR 1	
		Scale: 1"=400'	Date: 10/2/15 Drafted By: AJR

Sheep Underground-scs.dwg POD 4-11_Yr1

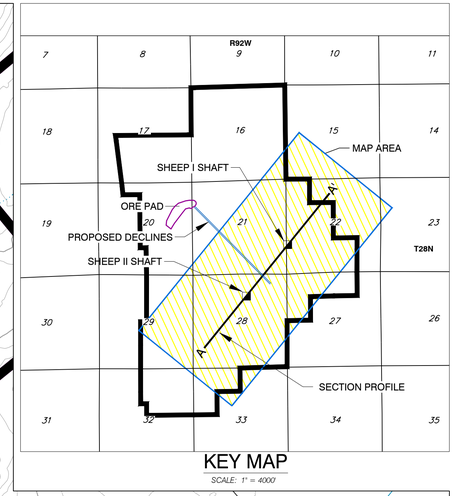
PROPOSED DECLINES

SHEEP II SHAFT

SHEEP I SHAFT

A

A'



KEY MAP

SCALE: 1" = 4000'

N

W

E

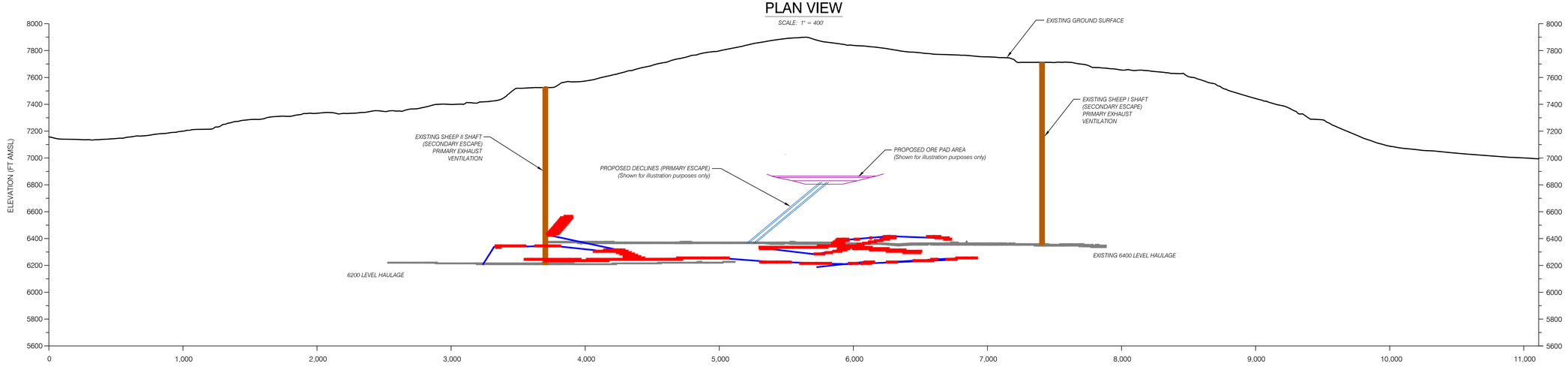
S

200 100 0 200 400

Scale: 1" = 400'

PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" = 400'

LEGEND

- A — A' SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:
1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'
2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL
3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

Energy Fuels

REVISIONS		
Date	By	

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

Location: T 28 N – R 92 W

MAP 4-12

SHEEP UNDERGROUND SEQUENCE YEAR 2

Scale: 1"=400' Date: 10/2/15 Drafted By: AJR

Sheep Underground-scs.dwg, POO 4-12_Y2

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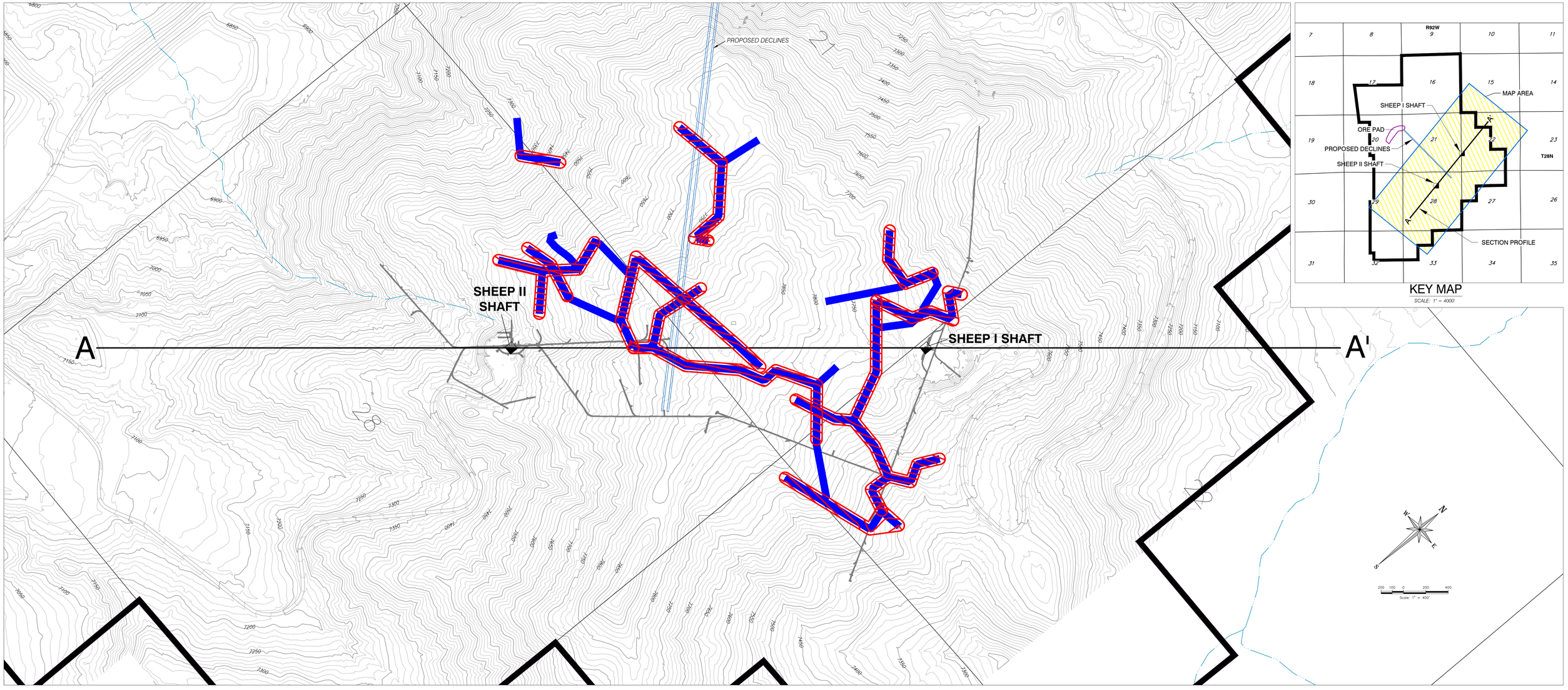
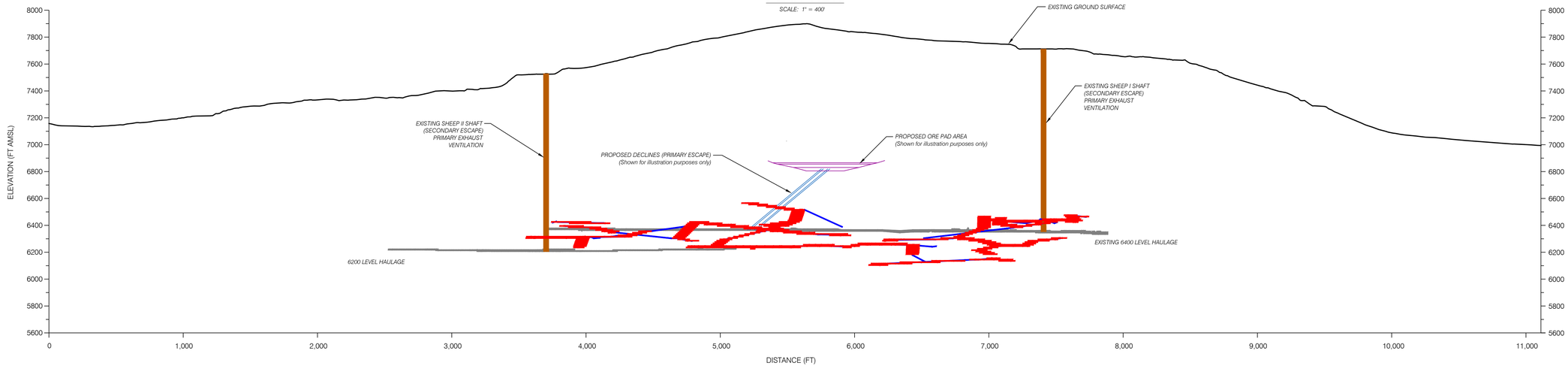


PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" = 400'

LEGEND

- A — A' SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:

1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'
2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL
3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

Energy Fuels

REVISIONS		
Date	By	

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

Location: T 28 N – R 92 W

MAP 4-13

SHEEP UNDERGROUND SEQUENCE YEAR 3

Scale: 1" = 400' Date: 10/2/15 Drafted By: AJR

Sheep Underground-scs.dwg POO 4-13; Yr3

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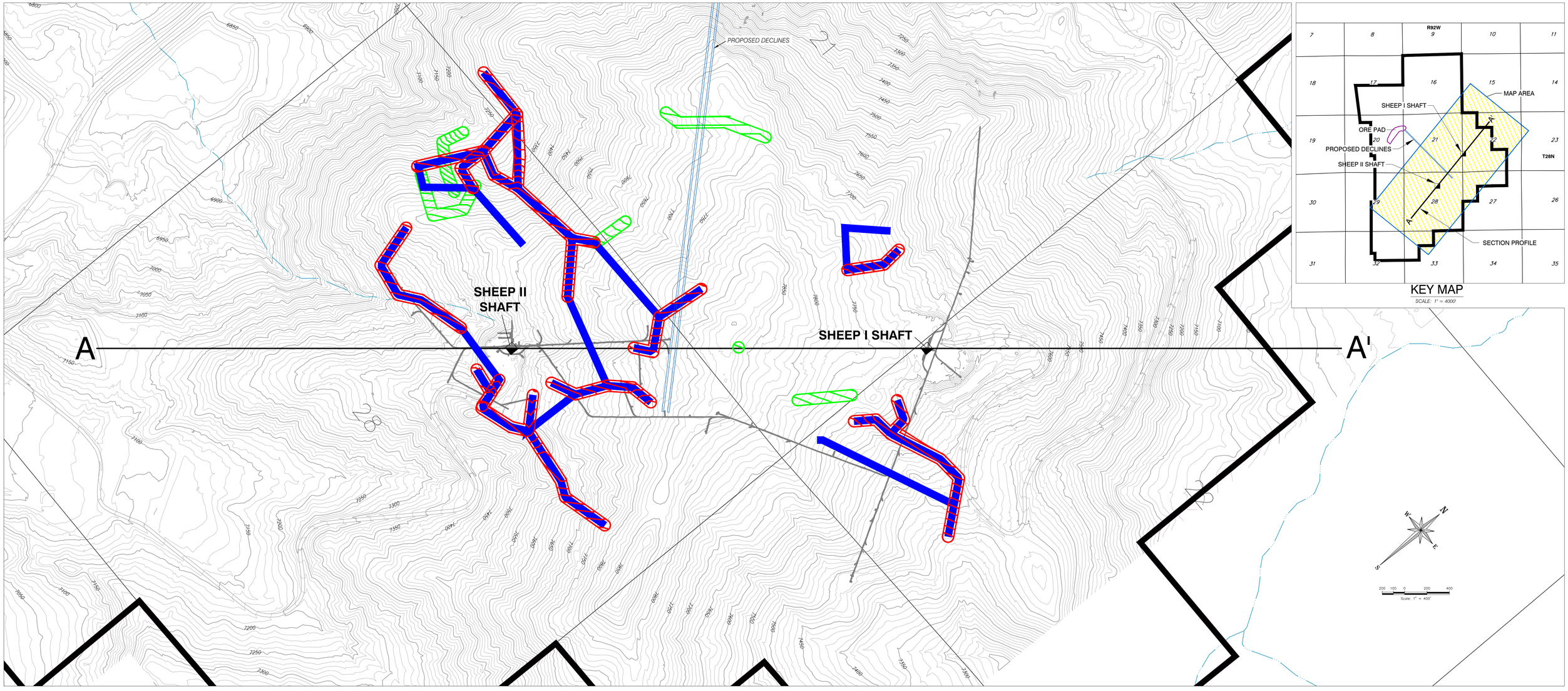
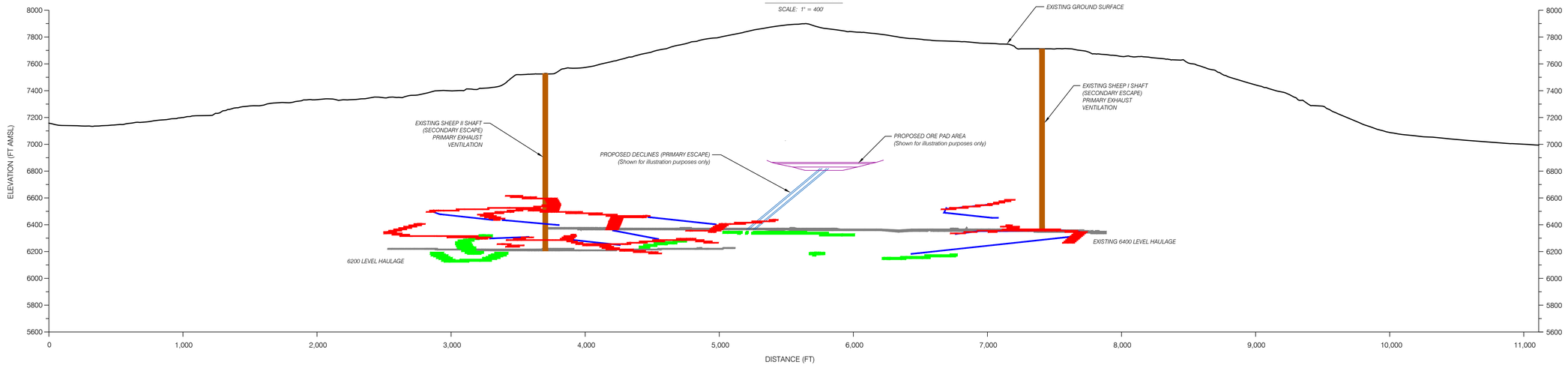


PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" =400'

LEGEND

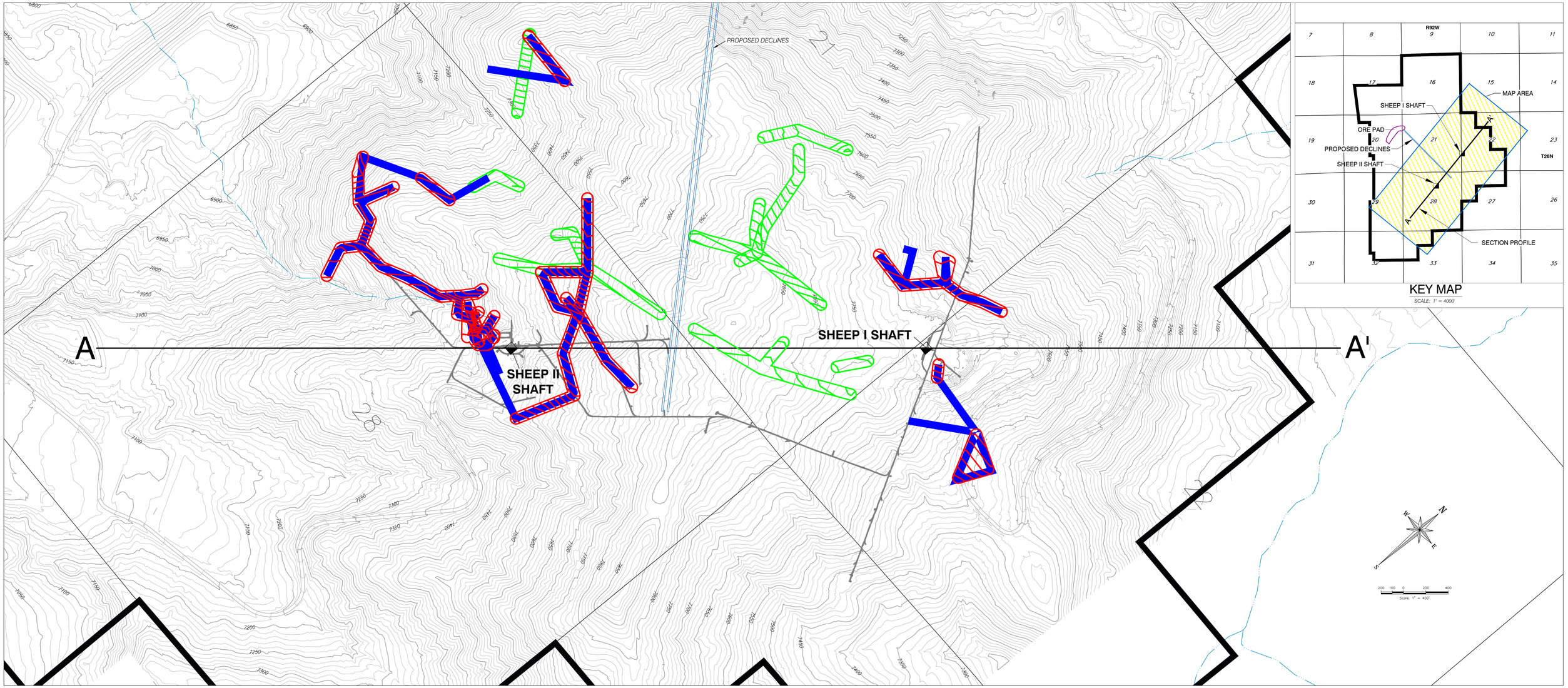
- SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:
1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'
2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL
3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

Energy Fuels

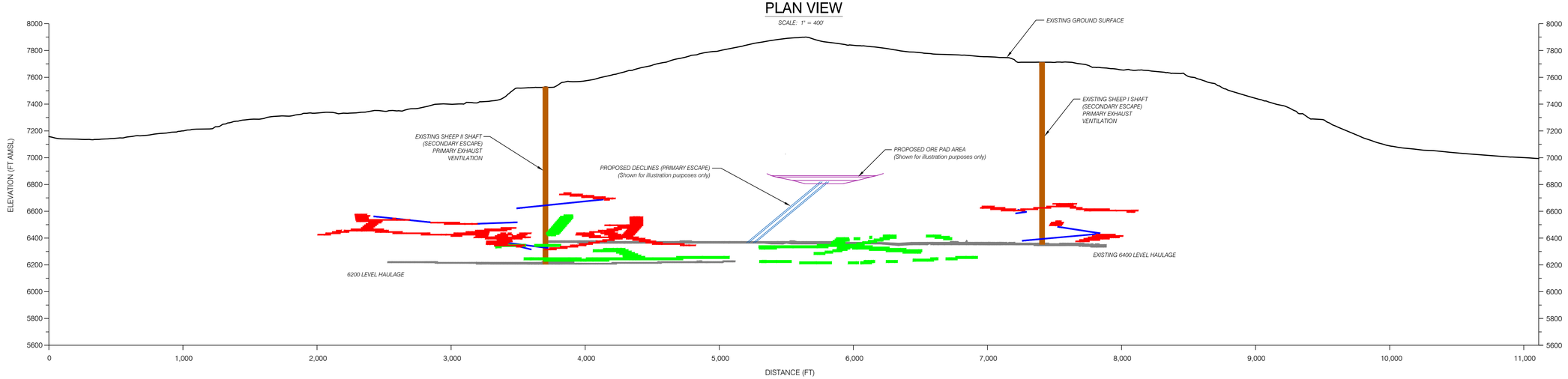
REVISIONS		SHEEP MOUNTAIN	
Date	By	County: FREMONT	State: WYOMING
		Location: T 28 N – R 92 W	
		MAP 4-14	
		SHEEP UNDERGROUND SEQUENCE YEAR 4	
		Scale: 1" = 400'	Date: 10/2/15 Drafted By: AJR

Sheep Underground-scs.dwg POO 4-14_Yr4



PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" =400'

LEGEND

- A — A' SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:
1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'
2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL
3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

Energy Fuels

REVISIONS		
Date	By	

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

Location: T 28 N – R 92 W

MAP 4-15

SHEEP UNDERGROUND SEQUENCE YEAR 5

Scale: 1"=400' Date: 10/2/15 Drafted By: AJR

Sheep Underground-scs.dwg, POO 4-15_Y5

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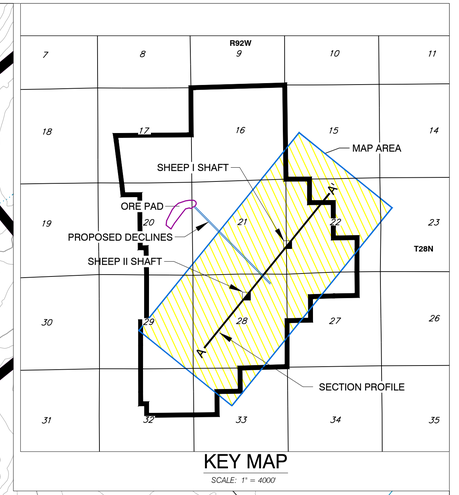
PROPOSED DECLINES

SHEEP II SHAFT

SHEEP I SHAFT

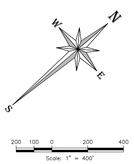
A

A'



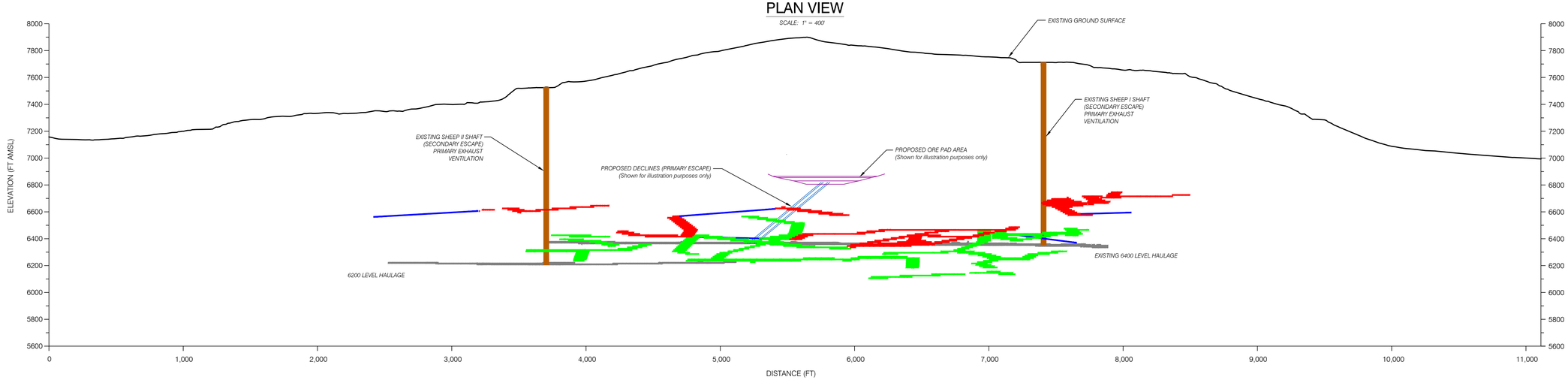
KEY MAP

SCALE: 1" = 4000'



PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" = 400'

LEGEND

- A — A' SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:

1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'

2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL

3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

Energy Fuels

REVISIONS		
Date	By	

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

Location: T 28 N – R 92 W

MAP 4-16

SHEEP UNDERGROUND SEQUENCE

YEAR 6

Scale: 1"=400' Date: 10/2/15 Drafted By: AJR

Sheep Underground-scs.dwg POD 4-16; Yr6

J:\Uncrd\wr\sheepmountain\data\development\underground\dsgn\sheep underground-scs.dwg pos 4-16; yr6 arthur

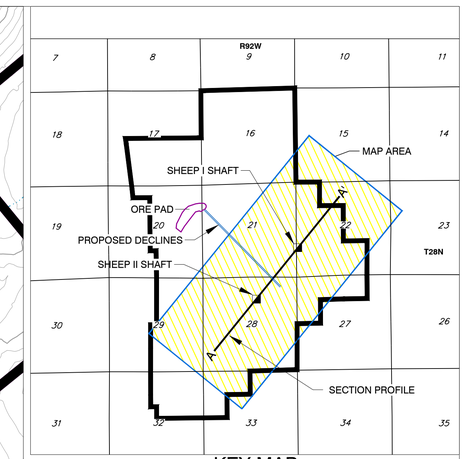
PROPOSED DECLINES

SHEEP II SHAFT

SHEEP I SHAFT

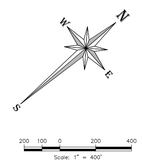
A

A'



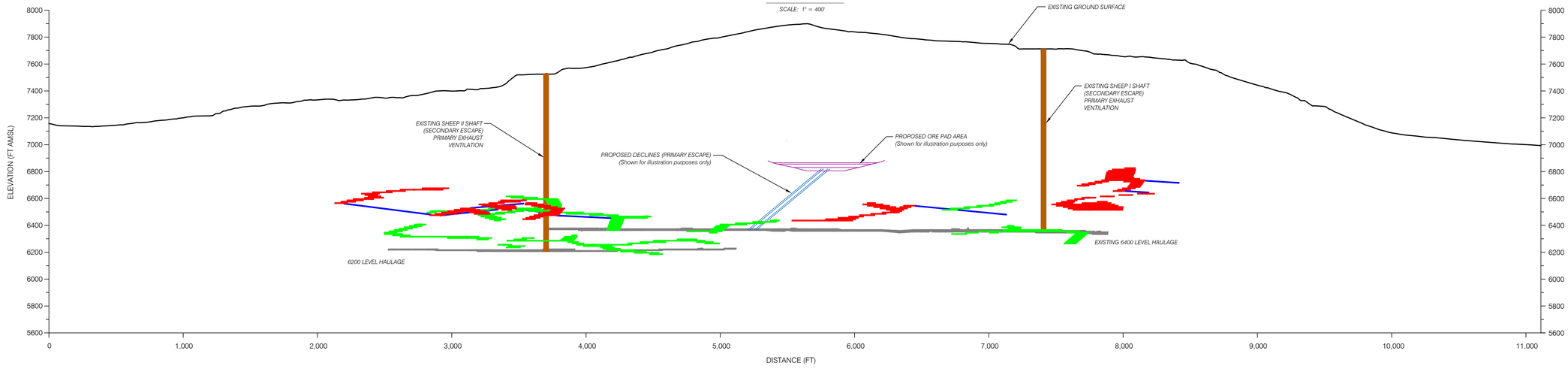
KEY MAP

SCALE: 1" = 4000



PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" =400'

LEGEND

- A — A' SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:

1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'

2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL

3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

Energy Fuels

REVISIONS		SHEEP MOUNTAIN	
Date	By	County: FREMONT	State: WYOMING
		Location: T 28 N – R 92 W	
		MAP 4-17	
		SHEEP UNDERGROUND SEQUENCE YEAR 7	
		Scale: 1"=400'	Date: 10/2/15
		Drafted By: AJR	
		Sheep Underground-scs.dwg POO 4-17 Yr7	

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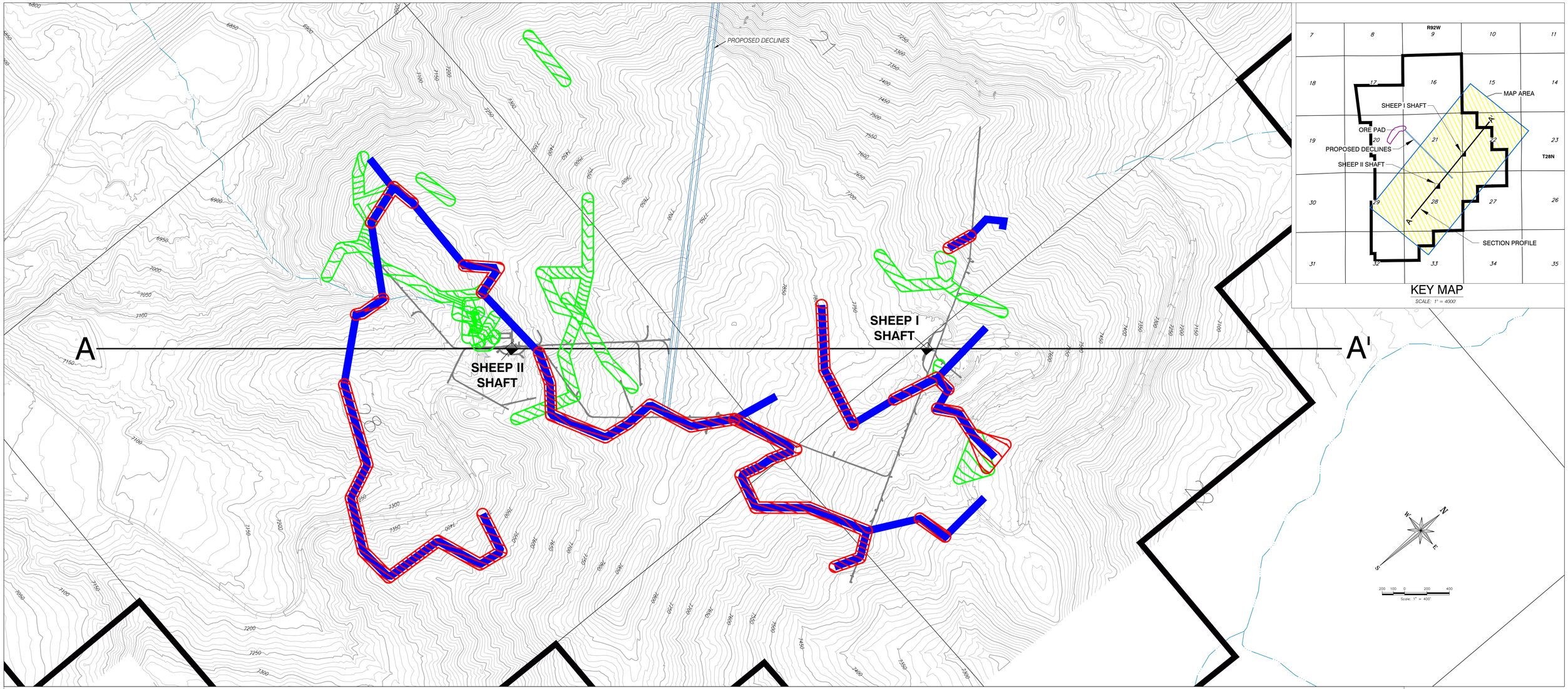
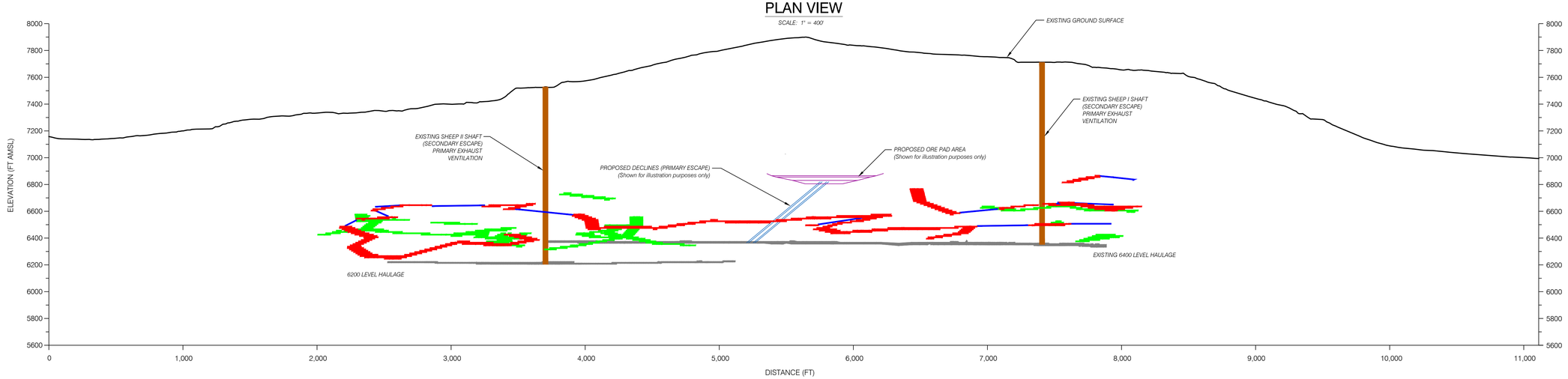


KEY MAP

SCALE: 1" = 4000'

PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" = 400'

LEGEND

- A — A' SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:

1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'

2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL

3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

CF Energy Fuels

REVISIONS		SHEEP MOUNTAIN	
Date	By	County: FREMONT	State: WYOMING
		Location: T 28 N – R 92 W	
		MAP 4-18	
		SHEEP UNDERGROUND SEQUENCE YEAR 8	
		Scale: 1"=400'	Date: 10/2/15 Drafted By: AJR
		Sheep Underground-scs.dwg POO 4-18_Yr8	

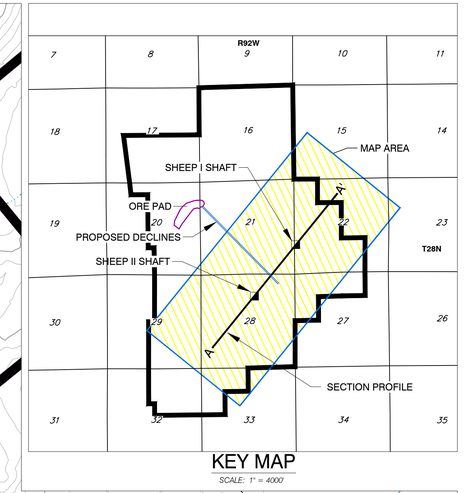
PROPOSED DECLINES

SHEEP II SHAFT

SHEEP I SHAFT

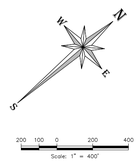
A

A'



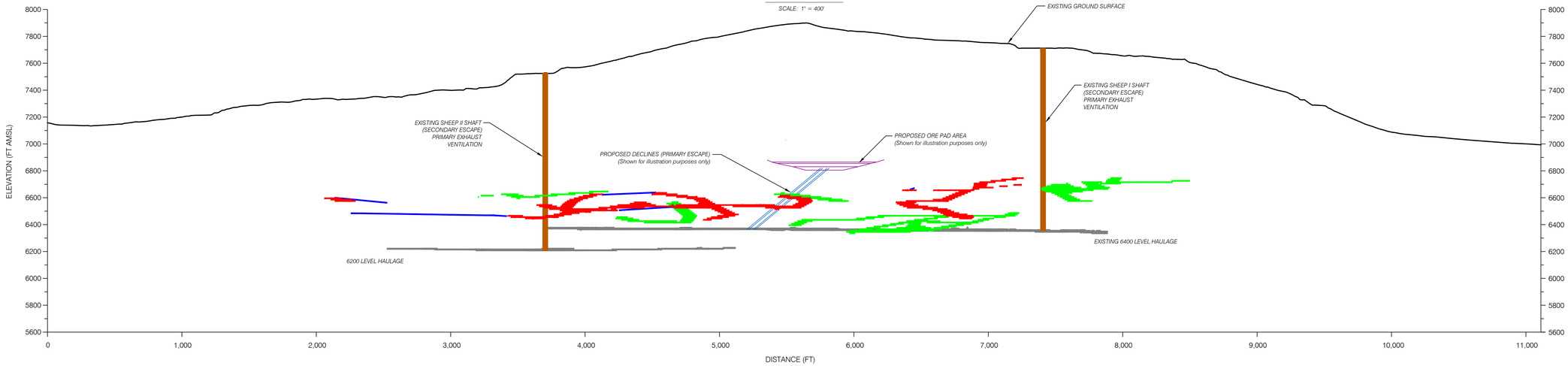
KEY MAP

SCALE: 1" = 4000'



PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" =400'

LEGEND

- A — A' SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:

1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'

2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL

3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

Energy Fuels

REVISIONS		
Date	By	

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

Location: T 28 S – R 92 W

MAP 4-19

SHEEP UNDERGROUND SEQUENCE

YEAR 9

Scale: 1"=400' Date: 10/2/15 Drafted By: AJR

Sheep Underground-scs.dwg POO 4-19; Yr9

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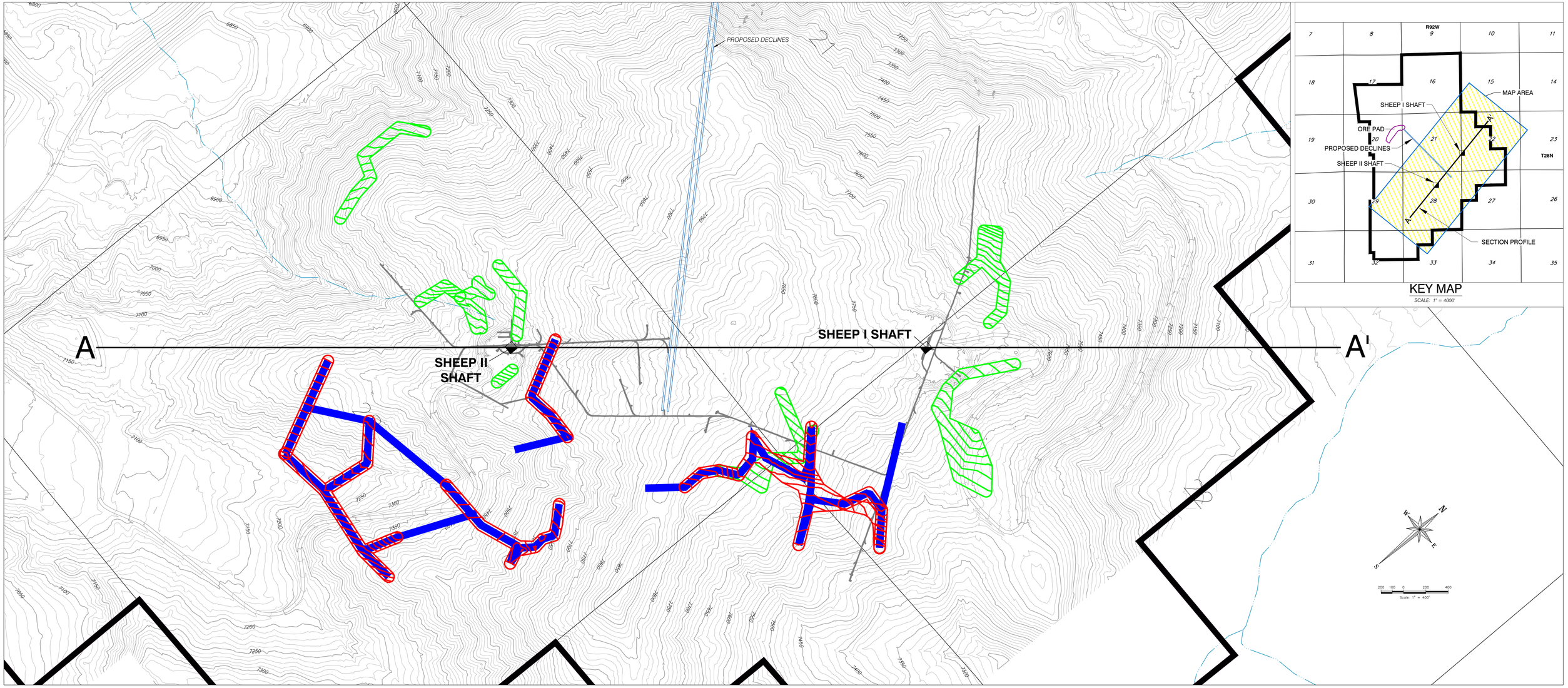
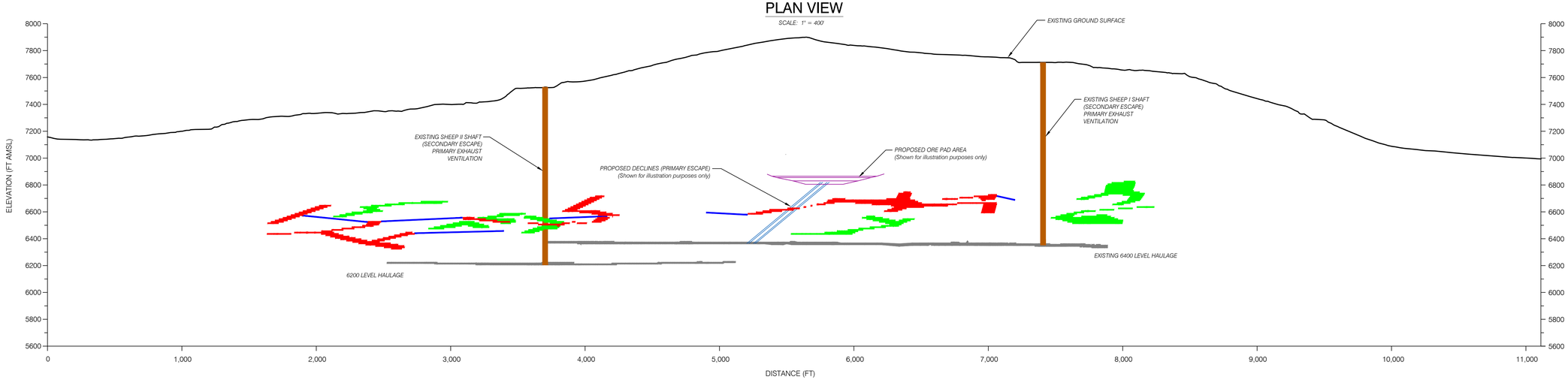


KEY MAP

SCALE: 1" = 4000'

PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" = 400'

LEGEND

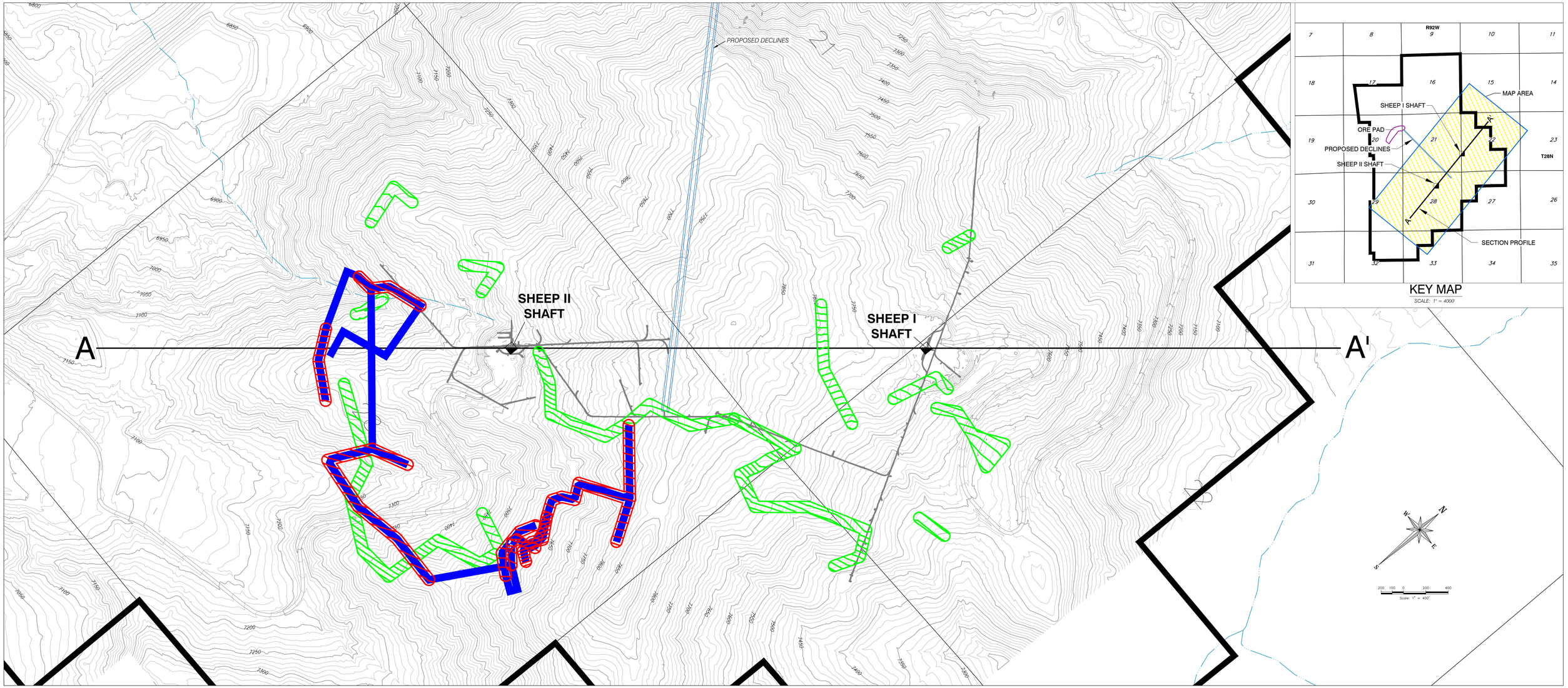
- A — A' SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:
1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'
2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL
3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

Energy Fuels

REVISIONS		SHEEP MOUNTAIN	
Date	By	County: FREMONT	State: WYOMING
		Location: T 28 N – R 92 W	
		MAP 4-20	
		SHEEP UNDERGROUND SEQUENCE YEAR 10	
		Scale: 1" = 400'	Date: 10/2/15 Drafted By: AJR

Sheep Underground-scs.dwg POO 4-20_Yr10

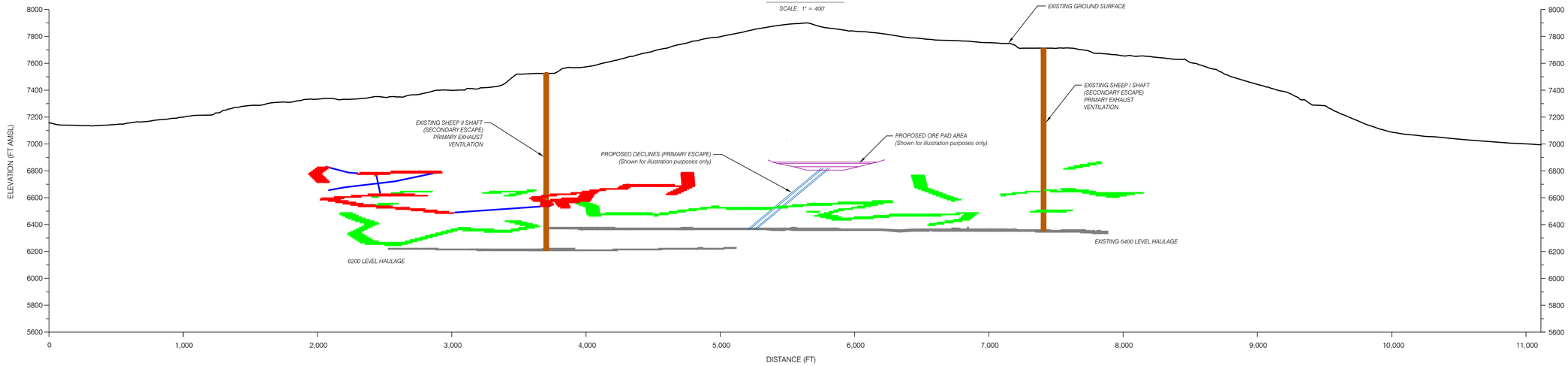


KEY MAP

SCALE: 1" = 4000'

PLAN VIEW

SCALE: 1" = 400'



SECTION A-A'

SCALE: 1" = 400'

LEGEND

- A — A' SECTION PROFILE LINE
- EXISTING GROUND PROFILE
- PERMIT AREA BOUNDARY
- EXISTING MINE SHAFT
- EXISTING UNDERGROUND WORKINGS
- NEW WORKINGS
- MINED MINERALIZED ZONE (SECTION)
- MINED MINERALIZED ZONE (PLAN)
- BACKFILLED MINERALIZED ZONE (SECTION)
- BACKFILLED MINERALIZED ZONE (PLAN)
- GROUND CONTOURS
- DECLINE

NOTES:

1) TOPO DATA OBTAINED FROM AERIAL FLIGHT ON 10/23/2009. CONTOUR INTERVAL = 10'

2) LAND DATUM–NAD 83 WYOMING WEST CENTRAL

3) MINE PLAN DEVELOPED BY BRS, INC. OF RIVERTON, WYOMING

Energy Fuels

REVISIONS		SHEEP MOUNTAIN	
Date	By	County: FREMONT	State: WYOMING
		Location: T 28 N – R 92 W	

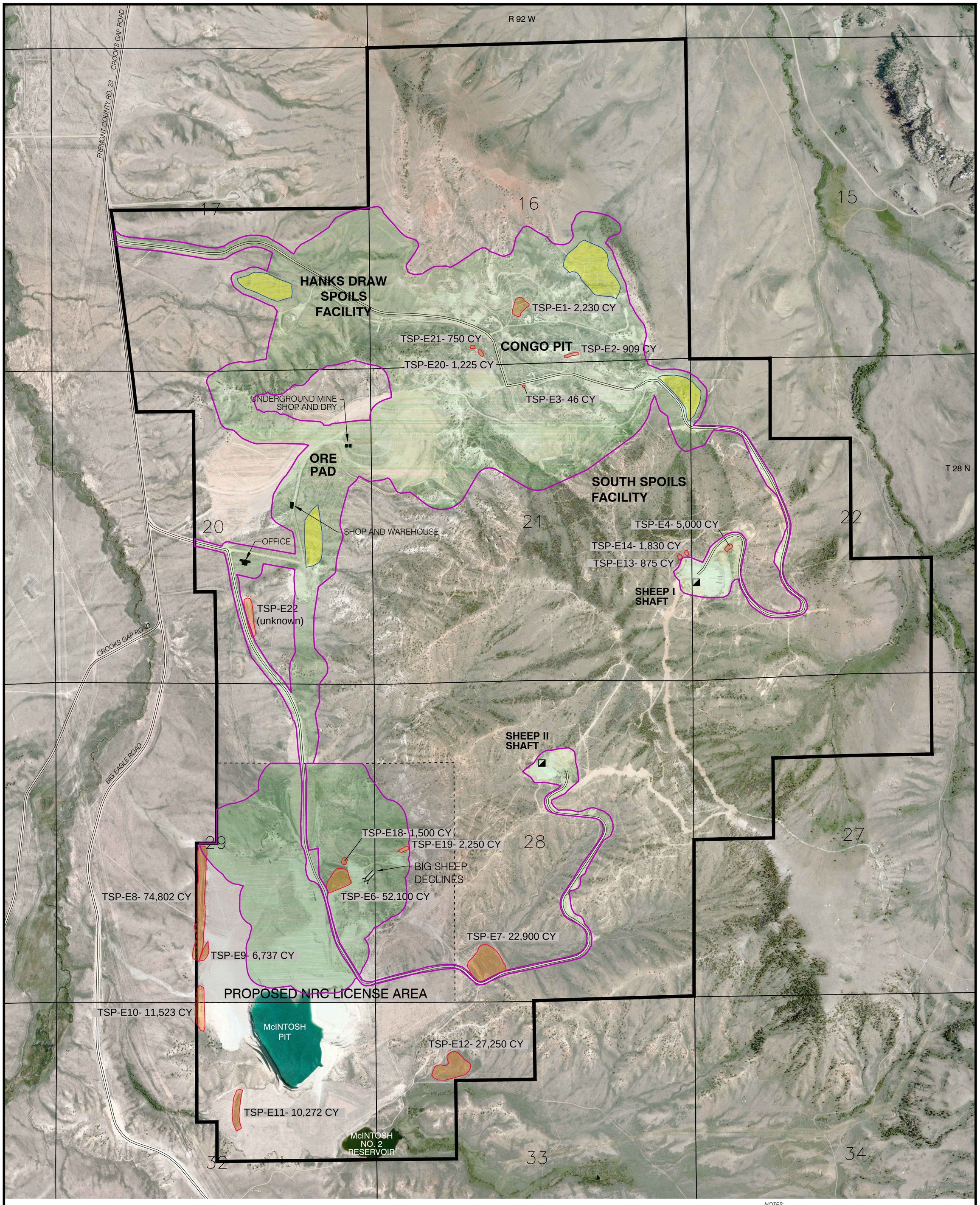
MAP 4-21

SHEEP UNDERGROUND SEQUENCE YEAR 11

Scale: 1"=400'	Date: 10/2/15	Drafted By: AJR

Sheep Underground-scs.dwg POO 4-21_Yr11

G:\Users\AJR\Desktop\Job Development\Mill\Development\Underground\Sheep_underground-scs.dwg pos 4-21_yr11 ajr&mar



LEGEND

- SECTION LINE
- PERMIT AREA BOUNDARY
- EXISTING ROAD / ACCESS ROUTE
- MAXIMUM EXTENT OF SURFACE DISTURBANCE
- EXISTING TOPSOIL STOCKPILE
- PROPOSED TOPSOIL STOCKPILE
- EXISTING MINE PORTAL
- EXISTING MINE SHAFT
- PROPOSED NRC LICENSE AREA

TSP-E7- 22,900 CY
- ESTIMATED VOLUME
- TOPSOIL STOCKPILE DESIGNATION

500' 250' 0 500' 1000'
Scale: 1" = 1000'

N W E S

NOTES:
Aerial Photo and Topo Data obtained from Aerial Flight on 10/23/2009

Land Datum: Wyoming State Planes NAD-83, West Central Zone, US Feet.

Energy Fuels

REVISIONS	
Date	By

SHEEP MOUNTAIN

County: FREMONT State: WYOMING

Location: T 28 N – R 92 W

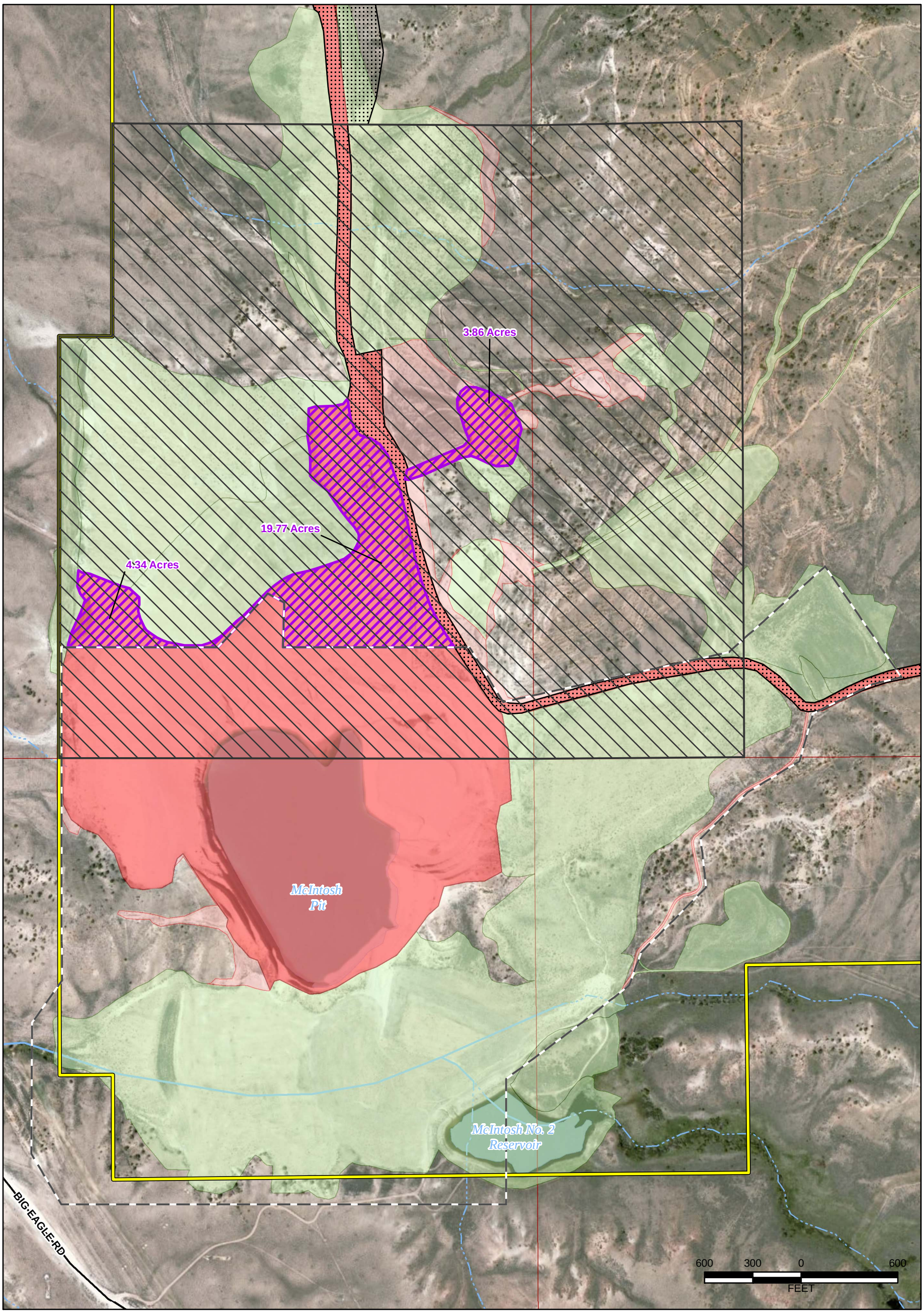
MAP 4-22

TOPSOIL INVENTORY

Scale: 1"=1000' Date: 9/28/15 Drafted By: RE

Mine_Plan.dwg Topsoil 3-26

S:\Source\WY\SheepMountain\Maps\BLM\2015 POO Amendment\Map4-23 DisturbanceAroundMcIntosh.mxd 10/2/2015 1:16:44 PM by areither



Legend

- Proposed NRC Licensed Area
- AML APE Boundary
- Bonded Disturbance Not Part of Proposed Expansion
- Mine Permit Boundary
- Maximum Extent of Proposed Disturbance
- Existing Disturbance Bonded for Reclamation
- Existing Historical Disturbance (Not Bonded)
- Reclaimed Disturbance
- Township and Range
- Section
- Road
- Perennial Stream
- Ephemeral Stream
- Pond

NOTES:
1) Aerial Photography: USDA-FSA Aerial Photography Field Office, 2012.
2) Coordinate System: NAD 1983 StatePlane Wyoming West Central FIPS 4903 Feet

N

ENERGY FUELS

REVISIONS		Project: SHEEP MOUNTAIN	
Date:	By:	County: Fremont	State: Wyoming
		Location: T28N R92W	

MAP 4-23

DISTURBANCE IN VICINITY OF MCINTOSH PIT

Scale: 1 IN = 600 FT	Date: 10/2/2015	Drafted By: areither