



Lila Canyon Project
P. O. Box 910
East Carbon, Utah 84520
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

Utah Division of Oil, Gas & Mining
Utah Coal Program
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

May 24, 2016

Attn: Daron Haddock
Permit Supervisor

Re: Lila Canyon Mine
Fan As-BuiltTask ID #5085

Dear Mr. Haddock,

Attached you will find a Digital copy of the As-Built map of the Fan Pad at Lila Canyon Mine deficiency corrections, a C1 and C2 form, and Maps.

If you have any questions, or need any additional information regarding this submittal, please contact me directly at 435-888-4000.

Sincerely,

A handwritten signature in black ink, appearing to read "Karin Madsen", is written over a horizontal line.

Karin Madsen
Engineering Tech
UtahAmerican Energy, Inc.

APPLICATION FOR PERMIT PROCESSING

<input checked="" type="checkbox"/> Permit Change X	<input type="checkbox"/> New Permit	<input type="checkbox"/> Renewal	<input type="checkbox"/> Transfer	<input type="checkbox"/> Exploration	<input type="checkbox"/> Bond Release	Permit Number: ACT/007/013
L16-002 Lila Canyon Fan Pad As-Built						Mine: Lila Canyon
						Permittee: UtahAmerican Energy, Inc.

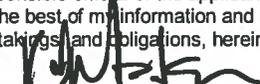
Description, include reason for application and timing required to implement:

Instructions: If you answer yes to any of the first 8 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to your reclamation

<input type="checkbox"/> Yes	<input type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	2. Is the application submitted as a result of a Division Order? DO # _____
<input type="checkbox"/> Yes	<input type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	9. Is the application submitted as a result of a Violation? NOV # _____
<input type="checkbox"/> Yes	<input type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain: _____
<input type="checkbox"/> Yes	<input type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)
<input type="checkbox"/> Yes	<input type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

X Attach 1 complete digital copy of the application.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings and obligations, herein.


 Signed - Name - Position - Date Karin Madsen / Engineering Tech / 5-24-16

Subscribed and sworn to before me this 24th day of May, 19 2016

My Commission Expires: _____
 Attest: Linda Kerns Notary Public
 STATE OF Utah COUNTY OF Carson 03.27.17



Received by Oil, Gas & Mining

ASSIGNED TRACKING NUMBER

List of Appendixes

Appendix 5-1 Inspection Form for Excess Spoil
Appendix 5-2 Inspection Form for Impoundments
Appendix 5-3 Coal Mine Waste Fire Extinguishing Plan
Appendix 5-4 New Facility Designs
Appendix 5-5 Slope Stability Analysis
Appendix 5-6 Mine Openings (Closures)
Appendix 5-7 Rock Slope Material (Refuse Pile)
Appendix 5-8 Reclamation Plan

List of Plates

Plate 5-1	Previously Mined Areas
Plate 5-1A	Premining Contours
Plate 5-2	Surface Area Lila Canyon Mine (Official Disturbed Area Boundary Map)
<u>5-2A</u>	<u>IBC Area - Graben Breakout</u>
<u>5-2B</u>	<u>Fan Pad As-Built</u>
Plate 5-3	Subsidence Control Map
Plate 5-3	CONFIDENTIAL Subsidence Control Map with Raptor Information
Plate 5-4	Coal Ownership
Plate 5-5	Mine Map
Plate 5-6	Post Mining Topography
Plate 5-7A-1	Mine Site Cross Sections
Plate 5-7A-2	Mine Site Cross Sections
Plate 5-7A-3	Mine Site Cross Sections
Plate 5-7A-4	Mine Site Cross Sections
Plate 5-7B-1	Mine Site Cross Sections
Plate 5-7B-2	Mine Site Cross Sections
Plate 5-7B-3	Mine Site Cross Sections
Plate 5-7C	Reclaimed Profile
Plate 5-8	Coal Handling Facilities
Plate 5-9	Portal Plan and Sections

treatment in the form of retention and/or filtration that does not meet and/or exceed UPDES standards.

553.150 The post mining land use of wildlife and domestic grazing should be enhanced to some degree with the revegetation of a more desirable seed mix and a vegetative cover in excess of what was present premining.

553.200 Spoil and Waste.

553.210 All underground development waste brought to the surface will be placed in the temporary rock pile and then blended back into the ROM product for sale. There will be no coal processing waste generated on the surface. Any oversized from the screens will be crushed and put back into the ROM stream.

553.220 Since no spoil will be produced this section does not apply.

553.221 All vegetation and /or organic material will be removed prior to any coal mine waste being stored.

553.222 All useable topsoil or topsoil substitute will be removed from the structural fill and refuse areas prior to use. Table 2-1 shows estimates of salvageable soil by soil type based on current NRCS soil inventories. The location of the soil storage are shown on Plate 5-2. This material will be spread over the recontoured structural fill and refuse areas prior to seeding and mulching.

[See plate 5-2B for volumes and source for the fill that will be used for reclamation of the north and south breakouts.](#)

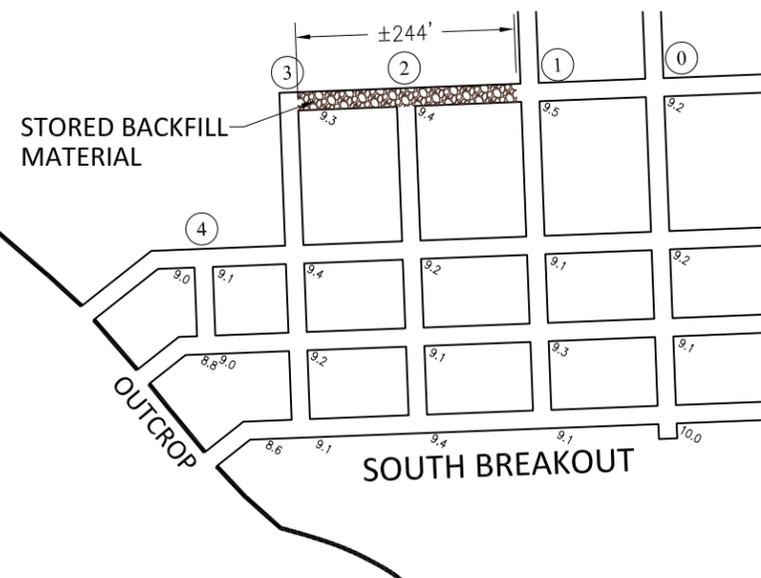
553.223 Since no spoil will be produced this section does not apply.

SOUTH BREAKOUT STORED MATERIAL

244.0' APPROX. LENGTH
 x 18.0' AVG. ENTRY WIDTH
 x 9.4' AVG. ENTRY HEIGHT
 41,285 CUBIC FEET

41,285cf / 27cf = 1,529cy

APPROX. 1,529cy AVAILABLE



2 SOUTH BREAKOUT RECLAMATION BACKFILL MATERIAL
 5-2B1
 SCALE: 1" = 200'

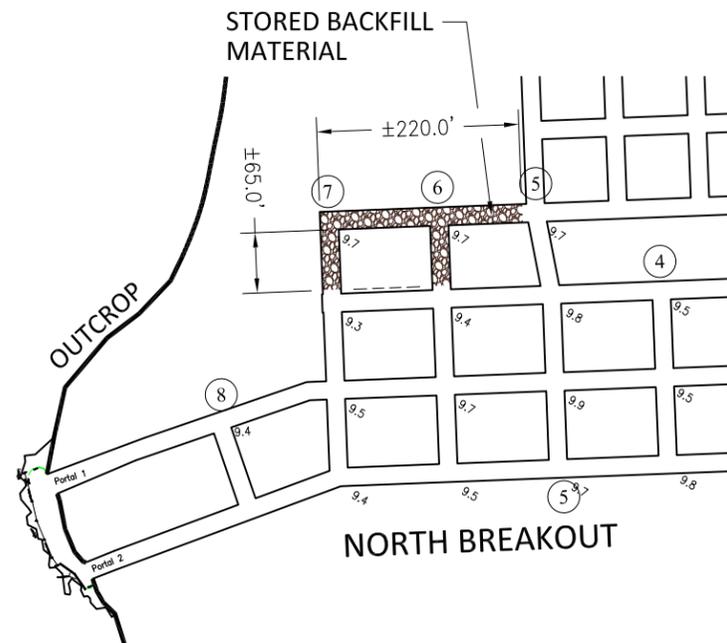
NORTH BREAKOUT STORED MATERIAL

220' + 65' + 65' = 350'

350.0' APPROX. LENGTH
 x 18.0' AVG. ENTRY WIDTH
 x 9.7' AVG. ENTRY HEIGHT
 59,220 CUBIC FEET

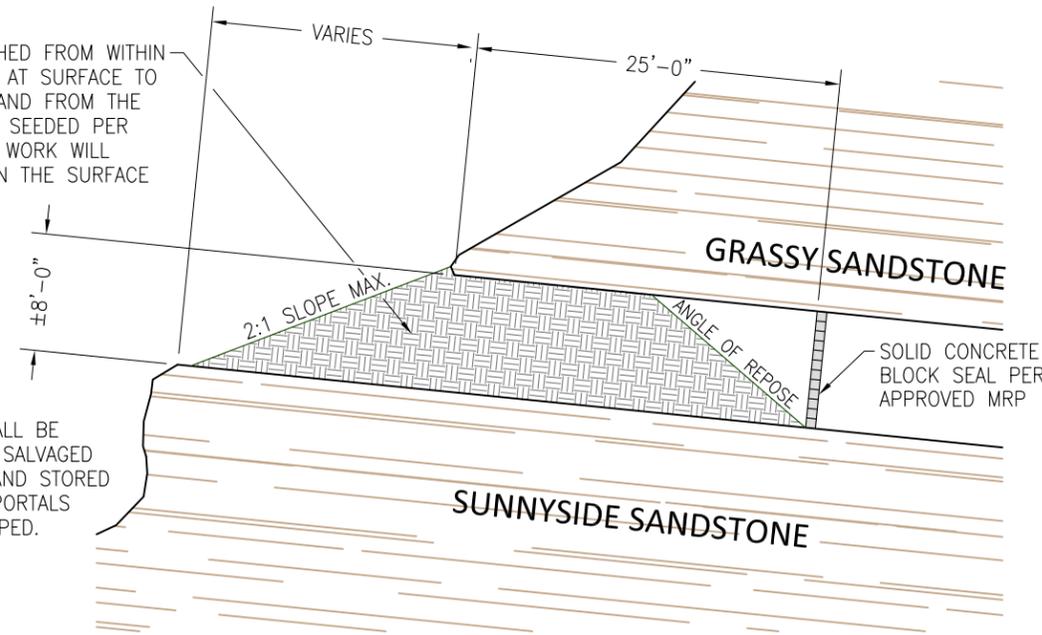
59,220cf / 27cf = 2,193cy

APPROX. 2,193cy AVAILABLE



1 NORTH BREAKOUT RECLAMATION BACKFILL MATERIAL
 5-2B1
 SCALE: 1" = 200'

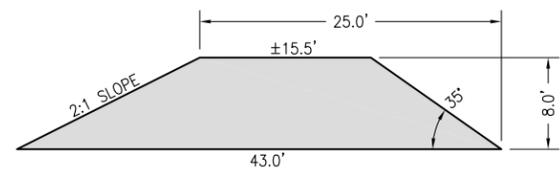
BACKFILL MATERIAL PUSHED FROM WITHIN MINE WORKINGS - SOIL AT SURFACE TO BE FINAL GRADED BY HAND FROM THE SURFACE TO AOC, THEN SEEDED PER APPROVED MRP - THIS WORK WILL REQUIRE HAND WORK ON THE SURFACE



NOTE: BACKFILL MATERIAL SHALL BE TAKEN FROM ORIGINAL SALVAGED MATERIAL RECOVERED AND STORED UNDERGROUND WHEN PORTALS WERE INITIALLY DEVELOPED.

3 SOUTH BREAKOUT TYPICAL PORTAL SECTION AFTER RECLAMATION IS COMPLETE
 5-2B1
 SCALE: NONE

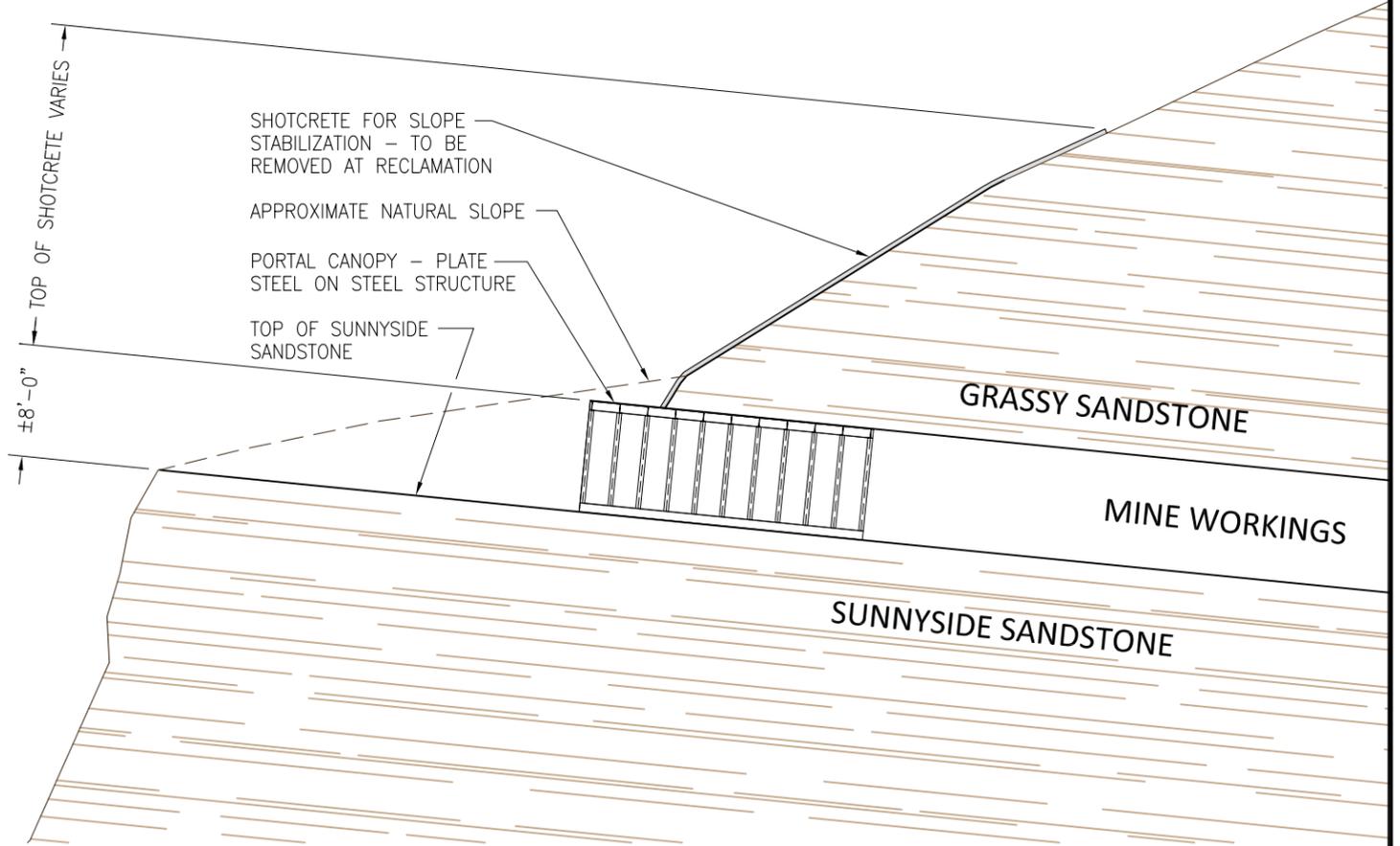
SOUTH BREAKOUT BACKFILL CALCULATIONS



METHODOLOGY
 AREA OF A TRAPEZOID REPRESENTING THE FILL MATERIAL AS SHOWN, MULTIPLIED BY 18'-0" (WIDTH OF ENTRIES), MULTIPLIED BY THREE (3) PORTAL OPENINGS.

235sf X 18.0 feet = 4,230 cf DIVIDED BY 27cf (CUBIC YARD) = 156.67 (ROUND TO 157cy)
 157cy X 3 PORTALS = 471cy REQUIRED FOR RECLAMATION
 APPROX. 1,529cy AVAILABLE PER 2/5-2B1

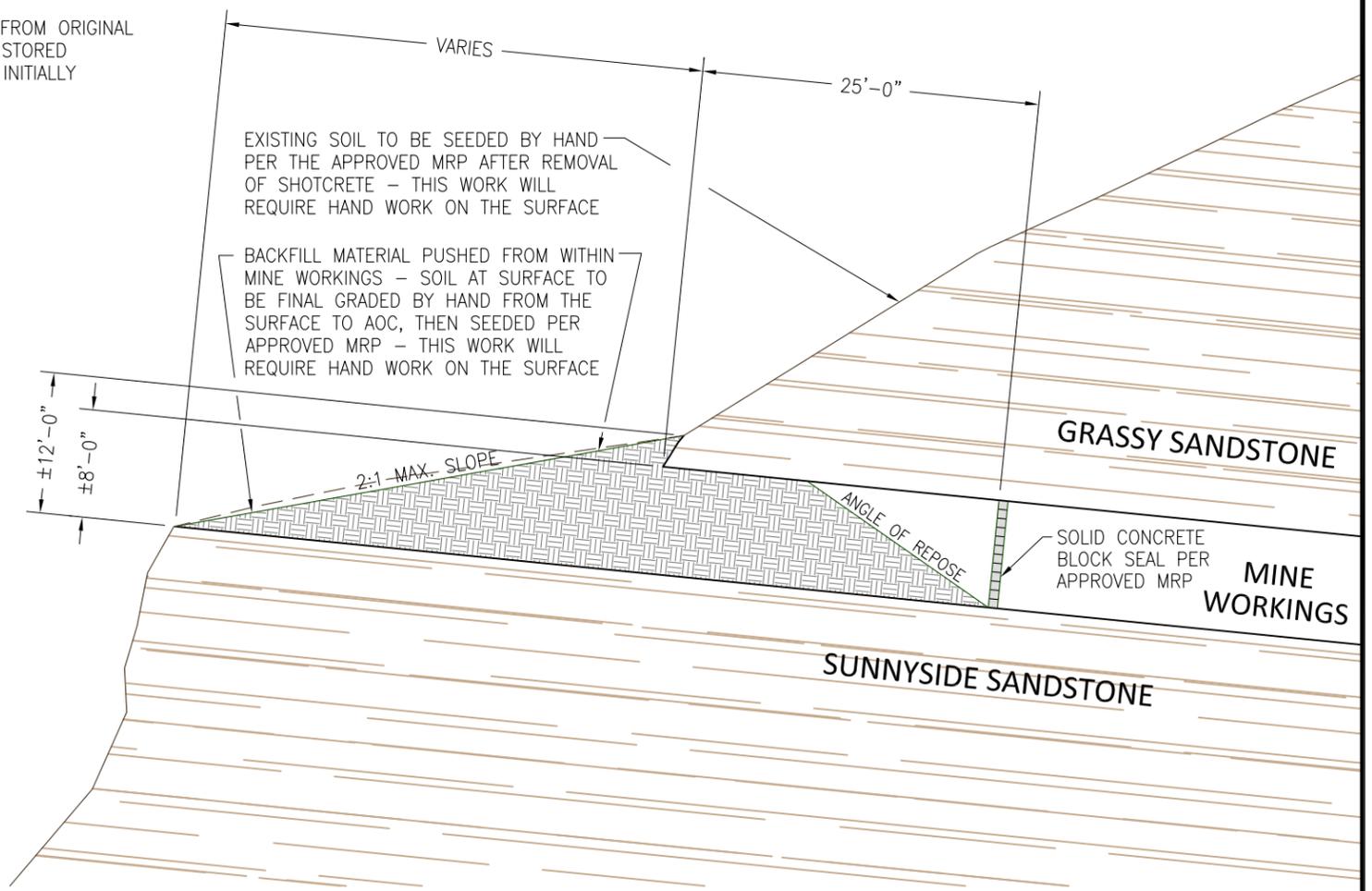
EXISTING BREAKOUTS	
	
PLANS AND TYPICAL PORTAL SECTION  23415 North Lila Canyon Road Green River, Utah 84525 MSHA MINE ID # 42-02241	
DRAWN BY	PJ
APPROVED BY	DH
SCALE	AS NOTED
DATE	23 MAY 2016
SHEET	PLATE 5-2B (1)
794 NORTH "C" CANYON ROAD, EAST CARBON, UTAH 84520 P.O. BOX 910, EAST CARBON, UTAH 84520 PHONE: (435) 888-4000 FAX: (435) 888-4002	



1 NORTH BREAKOUT
5-2B2 TYPICAL PORTAL SECTION DURING OPERATIONAL PHASE

SCALE: NONE

NOTE:
 BACKFILL MATERIAL SHALL BE TAKEN FROM ORIGINAL SALVAGED MATERIAL RECOVERED AND STORED UNDERGROUND WHEN PORTALS WERE INITIALLY DEVELOPED - SEE 1/5-2B(1).



2 NORTH BREAKOUT
5-2B2 TYPICAL PORTAL SECTION AFTER RECLAMATION IS COMPLETE

SCALE: NONE

North Breakout Earthwork Calculations

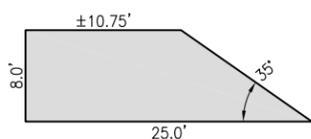
Comparing Grid: Working Contours.grd
 and Grid: Reclaimed Contours.grd

Pad Cut volume: 28.65 C.Y.
 Pad Fill volume: 520.41 C.Y.

Total Pad Fill: 492 cy

TYPICAL PORTAL FILL

Area of a trapezoid from end of opening to toe of seal, multiplied by 18.-0" (width of entries).



2,193cy Available per 1/5-2B1

TOTAL NORTH BREAKOUT FILL CALCULATIONS

492 cy (Total Pad Fill) + 96 cy (Portal #1 Fill) + 96cy (Portal #2 Fill) = 684 cy Total Fill Required

Note:
 Cut/Fill volumes calculated using Carlson Civil 2015 software's "Civil" module. Surface grid files generated using existing and proposed reclamation contours. Grid files were then compared utilizing the software to calculate cut/fill volumes.

EXISTING BREAKOUTS



794 NORTH "C" CANYON ROAD, EAST CARBON, UTAH 84520
 P.O. BOX 910, EAST CARBON, UTAH 84520
 PHONE: (435) 888-4000 FAX: (435) 888-4002

TYPICAL PORTAL SECTIONS



23415 North Lila Canyon Road
 Green River, Utah 84525

MSHA MINE ID # 42-02241

DRAWN BY	PJ	SCALE	AS NOTED
APPROVED BY	DH	DATE	23 MAY 2016
SHEET			PLATE #5-2B(2)