



6/15/2016

Daron R. Haddock  
Coal Program Manager

Subject: Approval for Castle Valley Mining #2 Belt Access Road

Dear Mr. Haddock:

Castle Valley Mining in Huntington, Utah would like to submit for approval an access road to an area known to the mine as #2 Belt. Attached plate's 2-2B, 5-2F, and 7-1F included in this submittal showing the area constructed.

The past couple of years CVM experienced trouble with the #2 Belt. The reason being the sharp climb that the belt experiences shipping coal to the tippel. Until last fall, CVM did not realize that the cable suspended beltline needed the tension cables tightened. Over the last five years, the belt sank causing beltline alignment issues which caused spillage. CVM tightened all the tension cables and re aligned the beltline. We hope to have fixed the problem.

CVM now looks at spillage issues that we need to clean up. CVM initiated construction prior to obtaining approval to clean up the spillage. NOV 21177 was issued. These plans are to abate this citation. We have rented vacuum truck and have made progress. In the recent NOV conference, pictures were shown of our efforts. Bullet points below showing changes:

- The area proposed is disturbed. There will be no new disturbance.
- The Wild Horse Ridge Top Soil Pile was not move to a new location. It is in a different place within the same pile shown on plate's attached.
- After cleanup is complete, CVM will use the approved seed mix provided in the MRP. Areas where spillage has occurred CVM will rake the affected areas and re seed.
- Construction and final grading is complete and plates are shown As Built drawings
- Volume of material moved is around 150 yds.
- Drainage will remain the same. D-15D will move slightly with the road but still report to Catch basin #1
- Chapter 2 -28 Revised & included
- Appendix 7-K Revised & included
- Appendix 5-J Revised & included
- Plates 2-2B, 5-2F, and 7-1F Revised & included
- 

If you have any questions, please call me (435) 687-2178

Sincerely,

Jaren Jorgensen  
Engineering

P.O. Box 475 • Huntington, UT 84528  
Phone (435) 687-5454 • Fax (435) 687-5037

## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

**Permittee:** Castle Valley Mining LLC

**Mine:** Bear Canyon Mine

**Permit Number:**

C/015/0025

**Title:** Access Road #2 Belt for Castle Valley Mining, Bear Canyon Mine, C/015/0025, Emery County, Utah

**Description,** Include reason for application and timing required to implement:

**Activation of water monitoring locations**

**Instructions:** If you answer yes to any of the first eight questions, this application may require Public Notice publication.

- Yes  No 1. Change in the size of the Permit Area? Acres: \_\_\_\_\_ Disturbed Area: \_\_\_\_\_  increase  decrease.
- Yes  No 2. Is the application submitted as a result of a Division Order? DO# \_\_\_\_\_
- Yes  No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- Yes  No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes  No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes  No 6. Does the application require or include public notice publication?
- Yes  No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes  No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes  No 9. Is the application submitted as a result of a Violation? NOV # \_\_\_\_\_
- Yes  No 10. Is the application submitted as a result of other laws or regulations or policies?

*Explain:* \_\_\_\_\_

- Yes  No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes  No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes  No 13. Does the application require or include collection and reporting of any baseline information?
- Yes  No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes  No 15. Does the application require or include soil removal, storage or placement?
- Yes  No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes  No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes  No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes  No 19. Does the application require or include certified designs, maps or calculation?
- Yes  No 20. Does the application require or include subsidence control or monitoring?
- Yes  No 21. Have reclamation costs for bonding been provided?
- Yes  No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes  No 23. Does the application affect permits issued by other agencies or permits issued to other entities?
- Yes  No 24. Does the application include confidential information and is it clearly marked and separated in the plan?

**Please attach three (3) review copies of the application. If the mine is on or adjacent to Forest Service land please submit four (4) copies, thank you.** (These numbers include a copy for the Price Field Office)

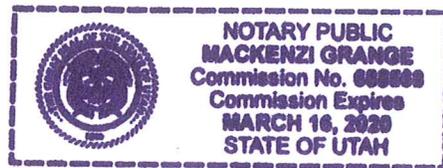
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Jaren Jorgensen Engineer Tech 06/15/2016 JAREN JORGENSEN  
 Print Name Position Date Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 15<sup>th</sup> day of June, 2016

Notary Public: Mackenzi Grange, state of Utah.

My commission Expires: March 16<sup>th</sup> 2020  
 Commission Number: 689568 } ss:  
 Address: 51 N. Main  
 City: Huntington State: UT Zip: 84528

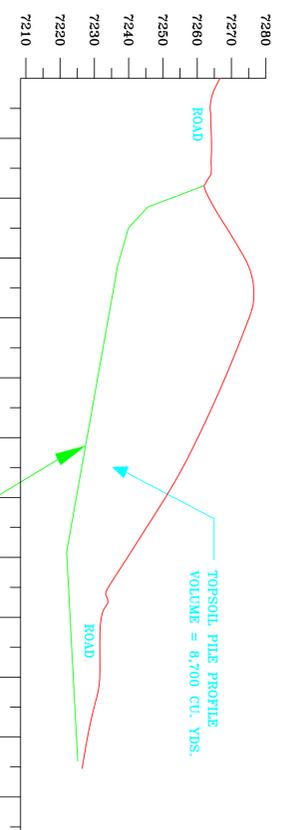
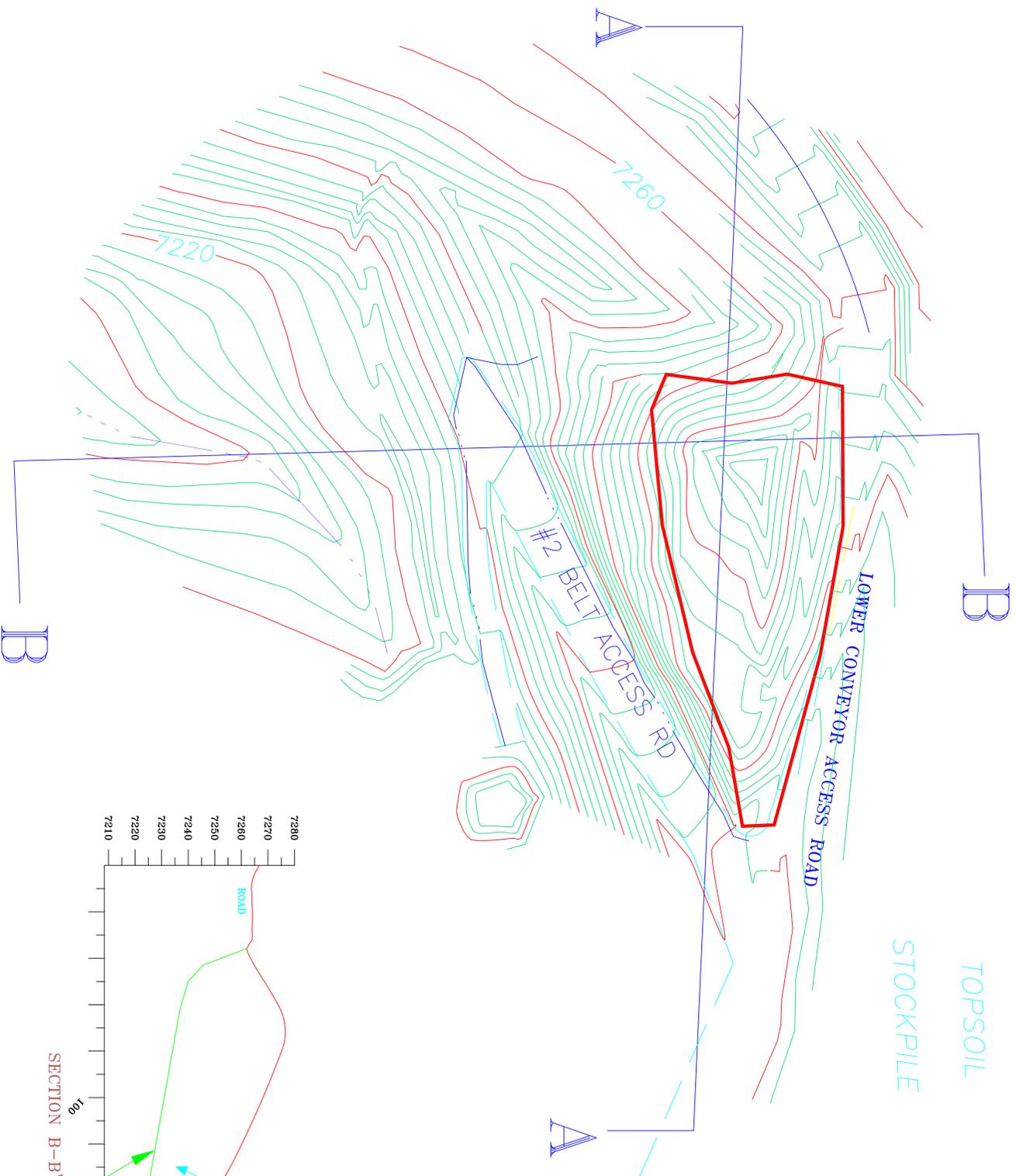


**For Office Use Only:**

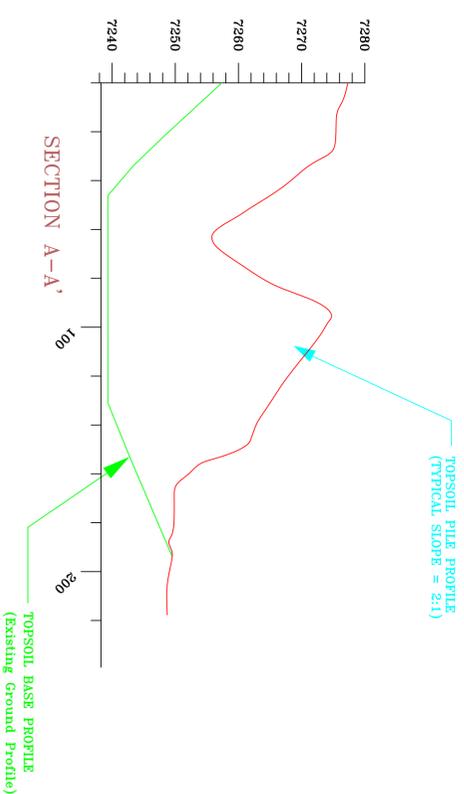
Assigned Tracking Number:

Received by Oil, Gas & Mining

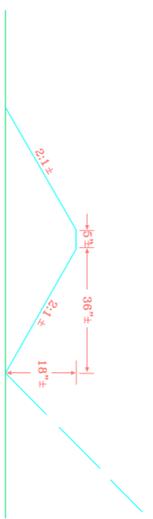




SECTION B-B'  
 TOPSOIL BASE PROFILE  
 (Existing Ground Profile)  
 (Additional 2,354 Cu. Yd. Topsoil below this line)



SECTION A-A'  
 TOPSOIL BASE PROFILE  
 (Existing Ground Profile)



BERM TYPICAL  
 SCALE: 1" = 2'

NOTE: SEE SECTION 8.9.6 FOR TOPSOIL STOCKPILE DESCRIPTION  
 SEE SECTION 8.8.2.3 FOR TOPSOIL PROTECTION PLAN

REV.	DATE	REMARKS	APPR.
1	6/01/02	Changed name from plate 2-7 to 2-2B.	12/9/06
2	5/09/16	Revised topsoil pile & road	
3			
4			
5			
6			
7			
8			
9			
10			

**CO-OP MINING CO.**  
 HUNTINGTON, UTAH

**WHR TOPSOIL STOCKPILE**

SCALE: 1" = 20'  
 DRAWN BY: C. Reynolds  
 DATE: 6-25-01

BEAR CANYON PLATE 2-2B

# CO-OP MINING CO.

HUNTINGTON, UTAH

## SURFACE FACILITIES

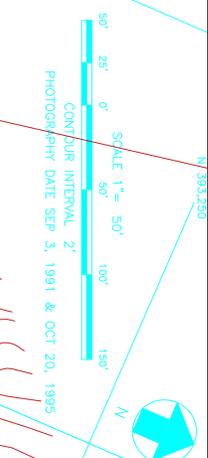
SCALE: 1" = 50'

DRAWN BY: C. Reynolds

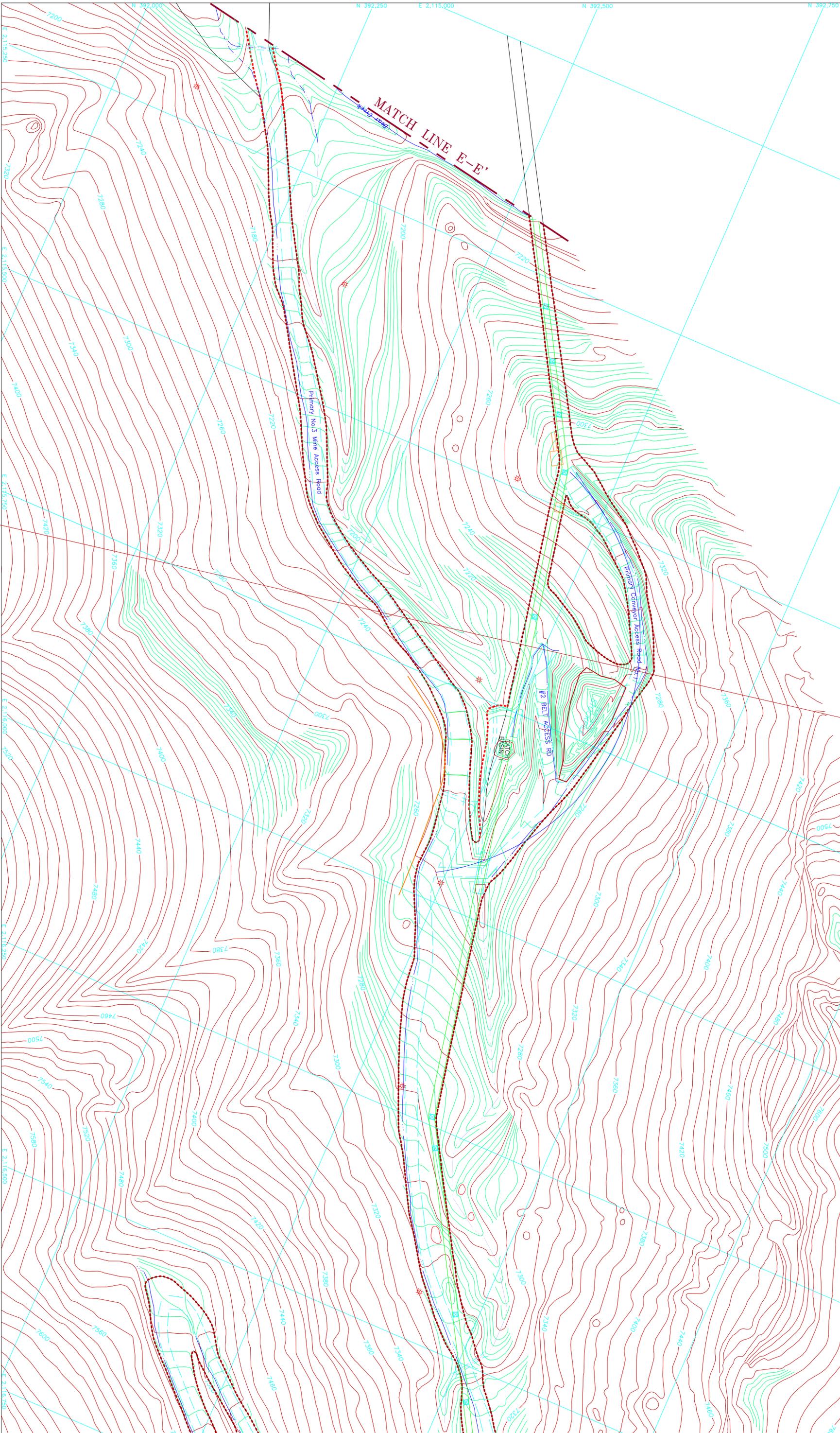
DATE: 6-25-01

BEAR CANYON PLATE 5-2F

REV.	DATE	REMARKS	APPR.
1	6/25/01	WHR surface facilities added (S198-1)	7/03/01
2	8/01/02	Changed name from 2-4F to 5-2F	12/8/05
3	5/09/16	Revised topsoil pile & road	
4			
5			
6			
7			
8			
9			
10			



LEGEND	
	PERMIT BOUNDARY
	DISTURBED AREA
	PRE-1977 DISTURBANCE
	CULVERTS
	CONTOUR LINE
	UNPAVED ROADS
	SECTION LINE
	SEE PLATES 7-1 FOR HYDROLOGY
	PAVEMENT
	WATER LINES
	DRAINAGE
	POWER POLES
	STREAM BUFFER ZONE MARKERS





accordance with [Appendix 2-F](#). The actual depth may vary in areas where high organic material is present at deeper or shallower depths, or where bouldery material precludes accurate salvage of the specified depths.

Topsoil will be recovered during construction and relocated to the [stockpile area shown on Plates 5-2F and 5-2G](#). A total of 8,700 cubic yards of topsoil will be recovered during construction of the Blind Canyon Seam Pad, as shown in [Table 5J-1](#). [Plate 2-2E](#) shows the details of the topsoil stockpile. The topsoil stockpile will be surrounded with a containment berm and protected as stated in [R645-301-234.220](#). An additional volume of 2,354 cubic yards of topsoil within the stockpile area will not be disturbed, but is included in the total available volume in [Table 2-8](#). Permeable fabric strips will be placed over this area prior to stockpiling additional topsoil in the area to preserve the location of the contact between the native topsoil and additional topsoil placed in the pile.

[In 2016 150 yds of Wild Horse Ridge top Soil was moved to allow an access road to #2 Belt. All of the 150 yds. was relocated to a different area within the same pile. The berm was relocated. Construction is complete, As-Built drawings submitted for incorporation into the MRP. Top soil as well as newly constructed berm will be reseeded with the approved seed mix stated in the MRP.](#)

During construction of the Tank Seam Pad a total of 1,300 cubic yards of topsoil will be recovered, as shown in [Table 5K-1](#). Details of the topsoil stockpile are shown in [Appendix 5-K](#).

### **BTCA Area “X” - WHR Conveyor Access Routes - Disturbed**

This ASCA consists of an area shown on Plate 7-1F, located at the end of the conveyor access road No. 1. It consists of 0.07 acres. The maximum estimated runoff from the area is 0.009 acre-ft.

Sediment and runoff will be controlled by the placement of a silt fence along the lower edge of the areas. A typical silt fence installation is shown in Figure 7.2-15.

### **BTCA Area “Y” - WHR Topsoil Stockpile Area**

This area consists of 0.36 acres, shown on Plate 7-1F. The maximum estimated runoff volume from this area is 0.045 acre-ft. It includes the area in and around the Wild Horse Ridge topsoil stockpile. The topsoil stockpile will be totally contained by a berm to prevent any topsoil from being eroded from the stockpile. Sediment and runoff from the remaining disturbed areas around the stockpile area will be controlled using a catch basin (1). Runoff from watershed AD-16 will be captured by the #2 Belt access road and routed to Catch Basin (1). D-15D will be in place to collect sediment/runoff from the access road and watershed AD-16. D-15D will be checked for stability/erosion along with catch basin (1). Designs for Catch Basin 1 are presented under BTCA Area “W”.

Table 5J-2

Lower Conveyor Access Road  
Cut and Fill Volumes

Station	Const. Vol. (Cu yds)		Cum. Vol. (cu yds)	Reclaimed Vol. (cu yds)		Cum. Vol. (cu yds)
	Fill (-)	Cut (+)		Fill (-)	Cut (+)	
-1+00	0	0	0	0	0	0
0+00	101	13	-88	13	101	88
1+00	94	26	-156	26	94	156
2+00	411	132	-435	13	411	435
3+00	730	266	-899	550	730	615
4+00	0	1,070	171	821	0	-206
5+00	0	1,143	1,314	731	0	-937
6+00	0	674	1,988	674	0	-1,611
Topsoil	<b>1,669</b>	----	<b>319</b>	---	<b>1,669</b>	<b>58</b>
Total	<b>1,336</b>	<b>3,324</b>	<b>319</b>	<b>2,947</b>	<b>1,336</b>	<b>58</b>

\*150 cubic yds. moved for #2 Belt access road. Still within the same pile. No cut & fill Vol.

There is an estimated topsoil volume of 1,669 cu yds which will be salvaged during construction of this road. This topsoil will be stored in the storage area adjacent to the road, as shown on Plate 5-2F. 150 cubic yards of this top soil pile will be moved to construct the #2 belt access road. All 150 cubic yards will be moved within the same pile Plate 5-2F shows this access road and updated contours of the Wild Horse Ridge stockpile. Upon reclamation, this area will also be reclaimed as close as possible to the pre-mining configuration.

Figure 5J-2 shows the locations of cross-sections for the Upper Conveyor Access Road. The cut and fill material for this area has been balanced to avoid hauling material to other areas. This area will also be reclaimed as close as possible to the pre-mining configuration, so the proposed post-mining cross-sections have been represented by the pre-mining cross-sections. The representative volumes for each cross-section are shown in Table 5J-3. An estimated topsoil volume of 2,171 cu yds will be salvaged during construction of the road. The topsoil will be hauled to the storage area shown on Plate 5-2F.