



**Canyon Fuel Company, LLC**  
Soldier/Dugout Canyon Mine  
P.O. Box 1029  
Wellington, Utah 84542  
(435)637-6360 Fax: (435)636-2897

April 22, 2005

Mr. Wayne Hedberg  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple  
Salt Lake City, UT 84114-5801

**RECEIVED**

**APR 25 2005**

**DIV. OF OIL, GAS & MINING**

*Iscoing*  
*4/007/0039*

Dear Mr. Hedberg:

Enclosed, please find a Permit Amendment addressing our proposed access road modifications. Concerns that were outlined in your April 21, 2005 E-Mail have now been addressed. We are requesting a timely review and approval of this amendment. It is intended to commence reconstruction of the roadway immediately following your approval. This reconstruction is necessary to resolve safety issues associated with the current condition of the road swale.

Please contact me at your earliest convenience at (435) 636-2872, should you have any questions or comments regarding this matter.

Sincerely,

David G. Spillman, P.E.  
Technical Services Manager

Enclosures

cc: Erwin Sass  
Vicky Miller  
Pete Hess, Price UDOGM

## APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

**Permittee:** Canyon Fuel Company, LLC

**Mine:** Dugout Canyon Mine

**Permit Number:** C/007/039

**Title:** Sloped Road "Sheet Flow" Design - Chapter 7 and Appendix 7-9

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

**Instructions:** If you answer yes to any of the first eight (gray) 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?

**Please attach four (4) review copies of the application. If the mine is on or adjacent to Forest Service land please submit five (5) 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.

David Spillman  
Print Name

David Spillman, Engineering Manager  
Sign Name, Position, Date

Subscribed and sworn to before me this 22 day of APRIL, 2005

Vicky Sue Miller  
Notary Public

My commission Expires: 1-5, 2008

Attest: State of UTAH } ss:  
County of CARBON



4/22/05

<p><b>For Office Use Only:</b></p>	<p><b>Assigned Tracking Number:</b></p>	<p><b>Received by Oil, Gas &amp; Mining</b></p> <p style="text-align: center; color: red; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="text-align: center; color: black; font-weight: bold; font-size: 1.2em;">APR 25 2005</p> <p style="text-align: center; color: red; font-weight: bold; font-size: 1.2em;">DIV. OF OIL, GAS &amp; MINING</p>
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- Culvert UC-6 will convey undisturbed-area runoff from watershed WS-2 to culvert UC-5.

~~Diversion Swale:~~ Sloped Road "Sheet Flow" Design

- ~~Swale SW-1~~ **The sloped road is designed to** will capture and convey sheet flow from the road and pad before it exits the disturbed area. Runoff will be **directed to a ripraped discharge point** into the sediment pond at the northwest end of the **sloped road swale**. ~~The discharge point of the swale will be riprapped.~~ The design calculations for SW-1 **(replaced with sloped road design)** and riprap are included in Attachment B of Appendix 7-9. **The "sloped road sheet flow design" is located in Attachment C of Appendix 7-9.**

All diversion ditches will be maintained with adequate riprap or alternative erosion protection in the ditch sections where flow velocities are predicted to be sufficiently high to require a ditch lining. Adequate ditch capacities will be maintained in all ditch sections. Culverts will be kept free of debris and each outlet will be protected with riprap where deemed necessary. Detailed diversion design is presented in Section 742.

#### **732.400 Road Drainage**

Road drainage facilities will include diversion ditches, culverts, and containment berms. The road drainage diversion ditches and culverts for the mine site are included in the list of diversions presented in Section 732.300 above. Additional road drainage design information is presented in Section 742.

All road drainage diversions will be maintained and repaired to original condition following the occurrence of a large storm event. Culvert inlets and outlets will be kept clear of sediment and other debris. Culverts to be installed on Dugout Creek to permit turning of the coal haul trucks are discussed in Section 742.300.

Canyon Fuel Company, LLC  
SCM/Dugout Canyon Mine

Mining and Reclamation Plan  
April 22, 2005

**ATTACHMENT C**  
**APPENDIX 7-9**

Sloped Road "Sheet Flow" Design

Sloped Road "Sheet Flow" Design - Road Regrading

The Dugout Canyon Mine proposes to replace the swale road crossing discussed in Attachment B to Appendix 7-9 with a road sloping toward the sediment pond. The current road swale is a safety concern and damages the suspension system of the coal haul trucks. To ensure that runoff from the road and adjacent areas that currently report to the sediment pond still reports to the sediment pond, approximately 120 feet of roadway will be rebuilt to slope at 3% towards the pond. Figure 1 in Attachment C to Appendix 7-9 shows the area to be modified as well as the current and proposed drainage boundary. As can be seen on the figure the proposed regraded road section will drain just slightly more of the road to the sediment pond than the current swale.

Figure 2 in Attachment C to Appendix 7-9 shows a typical cross-section. The cross-section shows the road sloping at 3% towards the pond and a section of conveyor belting placed against the guardrail to direct road runoff to the existing riprap channel and sediment pond. Please note that a significant portion of the existing road (northeast of the swale) currently is sloped towards the sedimentation pond. The conveyor belting against the guardrail is an existing feature that functions well in directing road drainage towards the riprap channel. This conveyor belting feature will remain intact helping to insure that the road runoff will enter the sediment pond through the riprap channel. A very small amount of road runoff below this point will sheet flow off the road towards the sediment pond and will not require an additional ditch or culvert.

The proposed change to the road will not affect the amount of runoff currently reporting to any existing ditches or culverts. The same amount of runoff directed to the pond by the swale will be directed to the pond by the sloped road.

Within two weeks of the completion of construction the Dugout Canyon Mine will submit a certified as built surface facilities map of the regraded area.

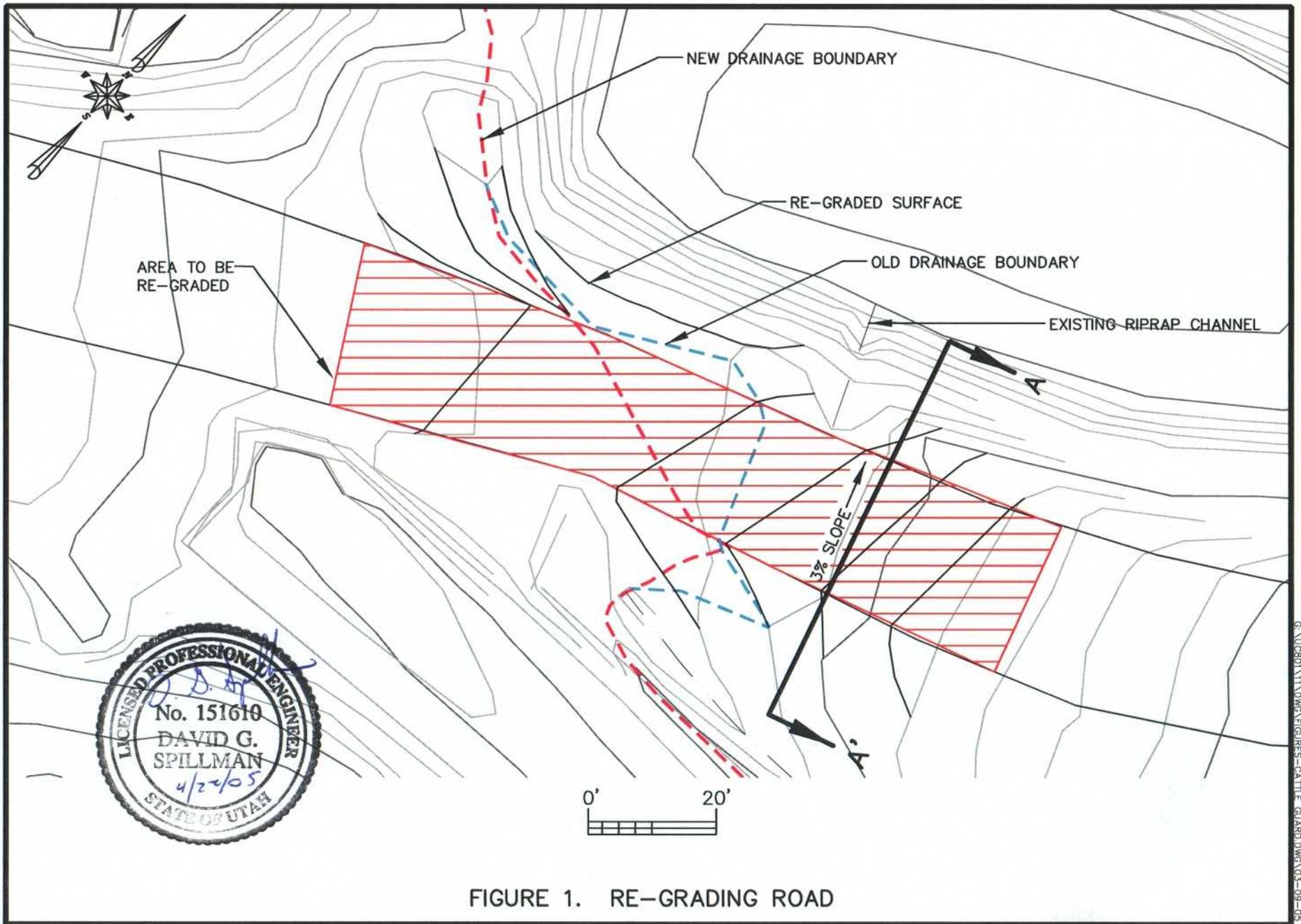


FIGURE 1. RE-GRADING ROAD

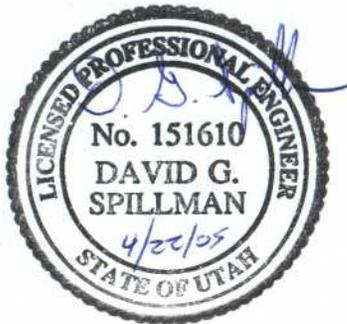
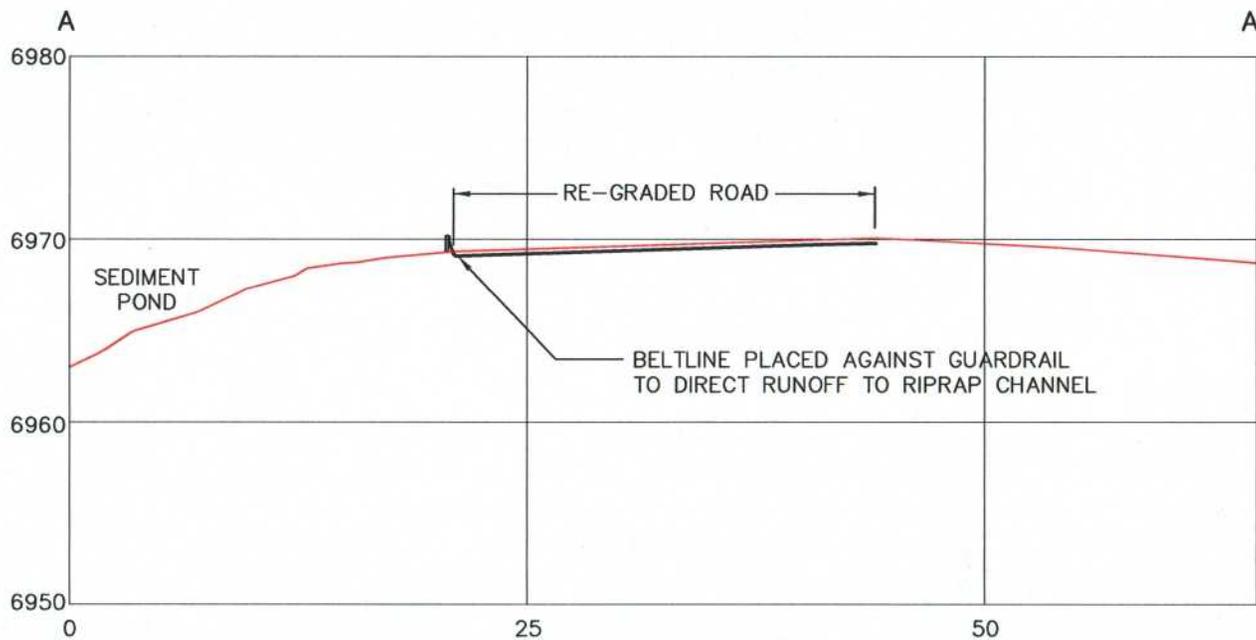


FIGURE 2. ROAD CROSS-SECTION

