

0060 Canyon Fuel Company, LLC  
Dugout Canyon Mine  
P.O. Box 1029  
Wellington, Utah 84542



May 19, 2005

Ms. Pamela Grubaugh-Littig  
Mr. Wayne Hedberg  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

*Heering*  
*C/007/0039*

RE: Submittal of As Built Drawings and Clean Copies for Sloped Road Sheet Flow Design  
TASK ID # 2225, Dugout Canyon Mine, Canyon Fuel Company, LLC, C/007/039, Carbon  
County, Utah

Dear Ms. Grubaugh-Littig and Mr. Hedberg

Attached please find five copies of Appendix 7-9, Attachment C and Page 7-68 of the M&RP which are provided for incorporation into the M&RP as clean copies for the revisions made to the road at the Dugout Canyon Mine. **Page 7-68 and appendix need to be placed in the M&RP following the incorporation of the Pace Canyon Fan Portal Amendment.**

A copy of this submittal will be delivered to the Price field office.

Thank you for your assistance and if you have any questions please call me at (435) 636-2869.

Sincerely yours,

*Vicky S. Miller*

Vicky S. Miller

cc: Dave Spillman  
Pete Hess

RECEIVED  
MAY 20 2005  
DIV. OF OIL, GAS & MINING



# 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:** As-Built Drawings and Clean Copies for Sloped Road Sheet Flow Design - Task ID# 2225

**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

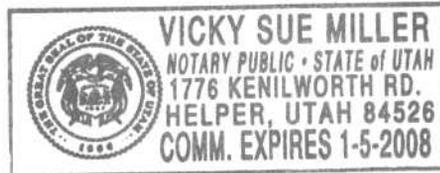
David Spillman  
Print Name

David Spillman, Engineering Manager  
Sign Name, Position, Date  
5/19/05

Subscribed and sworn to before me this 17 day of MAY, 2005

Vicky Sue Miller  
Notary Public

My commission Expires: 1-5, 2008  
Attest: State of UTAH } ss:  
County of CARBON



<p><b>For Office Use Only:</b></p>	<p>Assigned Tracking Number:</p>	<p>Received by Oil, Gas &amp; Mining <b>RECEIVED</b> <b>MAY 20 2005</b> DIV. OF OIL, GAS &amp; MINING</p>
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- Culvert UC-5 is located on the main branch of Dugout Creek, containing the creek through the disturbed area and allowing coal-haul trucks to enter and leave the loadout pad and mine access/haul road. Installation of this culvert will protect Dugout Creek from sediment which may be generated from the adjacent disturbed areas.
- Culvert UC-6 will convey undisturbed-area runoff from watershed WS-2 to culvert UC-5.

#### Sloped Road "Sheet Flow" Design

- The sloped road is designed to capture and convey sheet flow from the road and pad before it exits the disturbed area. Runoff will be direct to a ripraped discharge point into the sediment pond at the northwest end of the sloped road. The design calculation for SW-1 (replaced with the sloped road design) and riprap as 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.

**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.

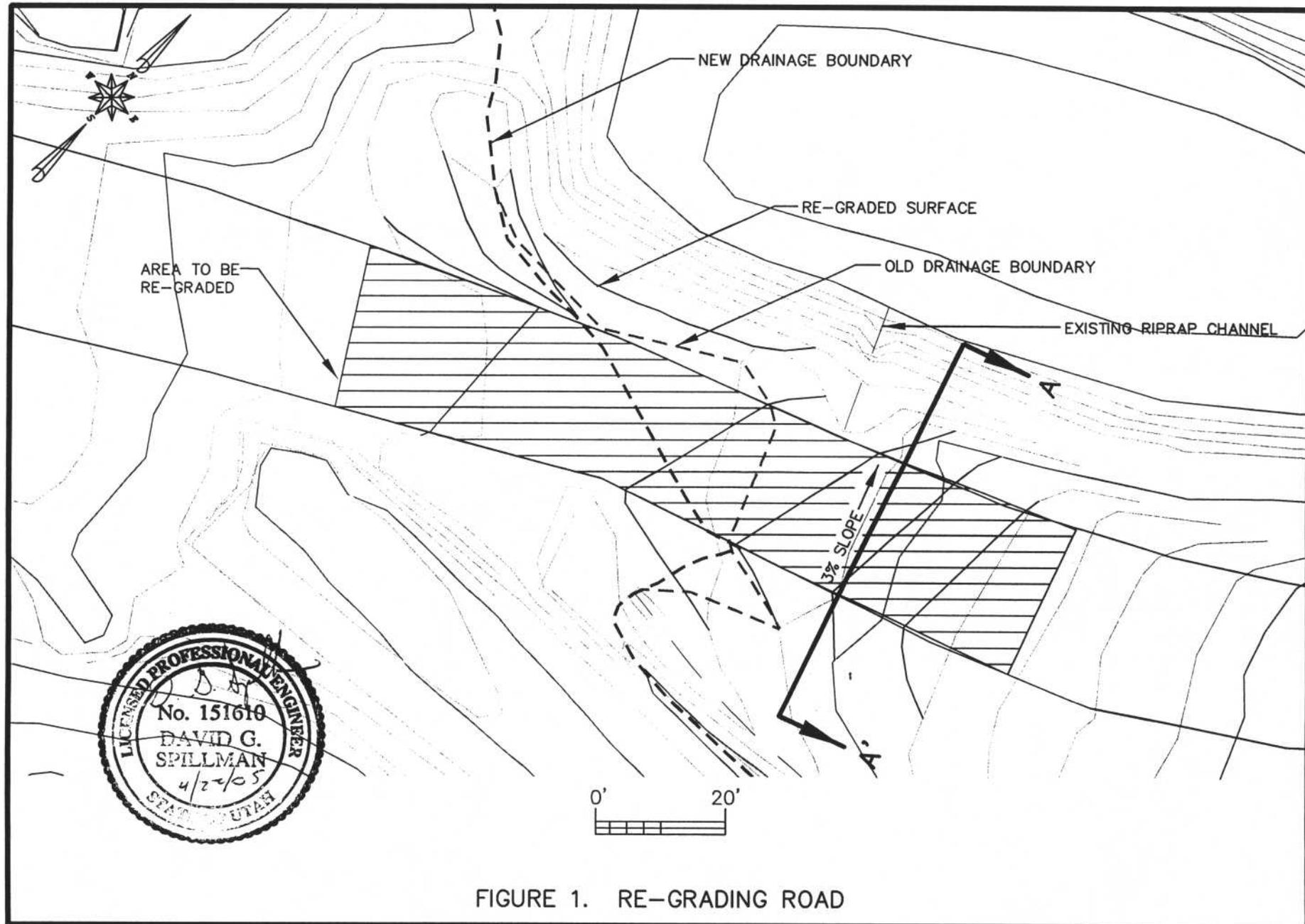


FIGURE 1. RE-GRADING ROAD

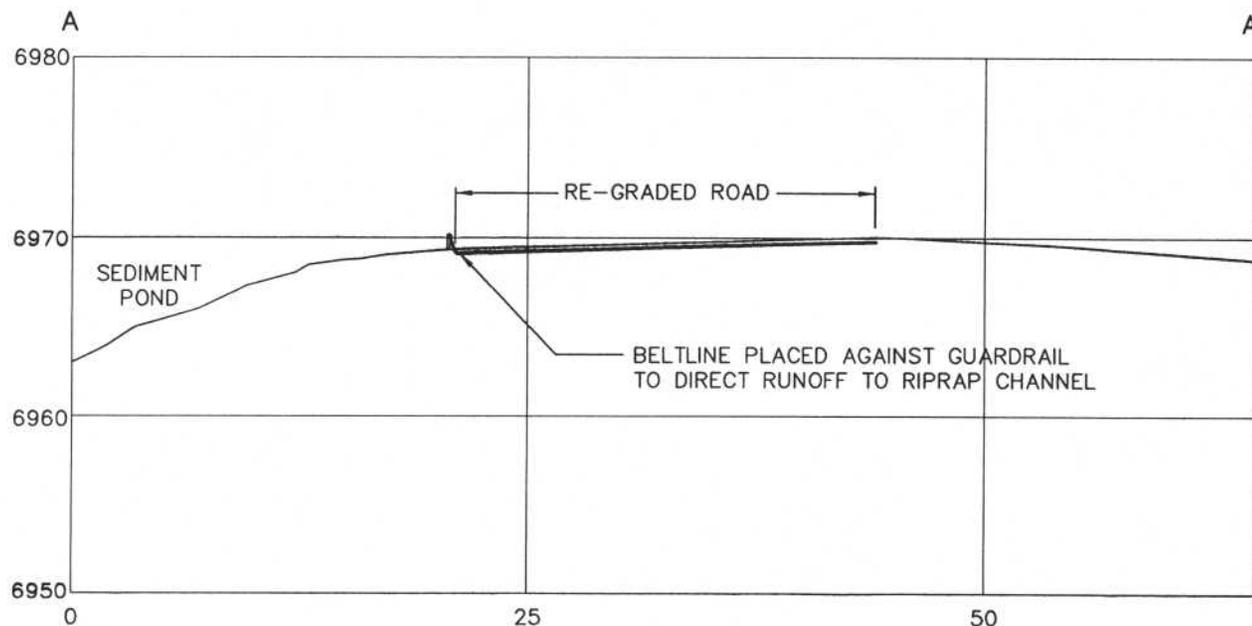
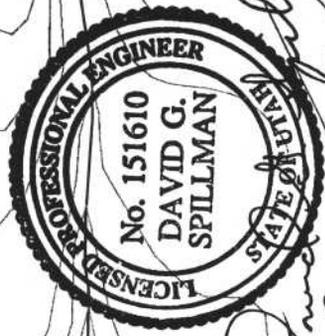
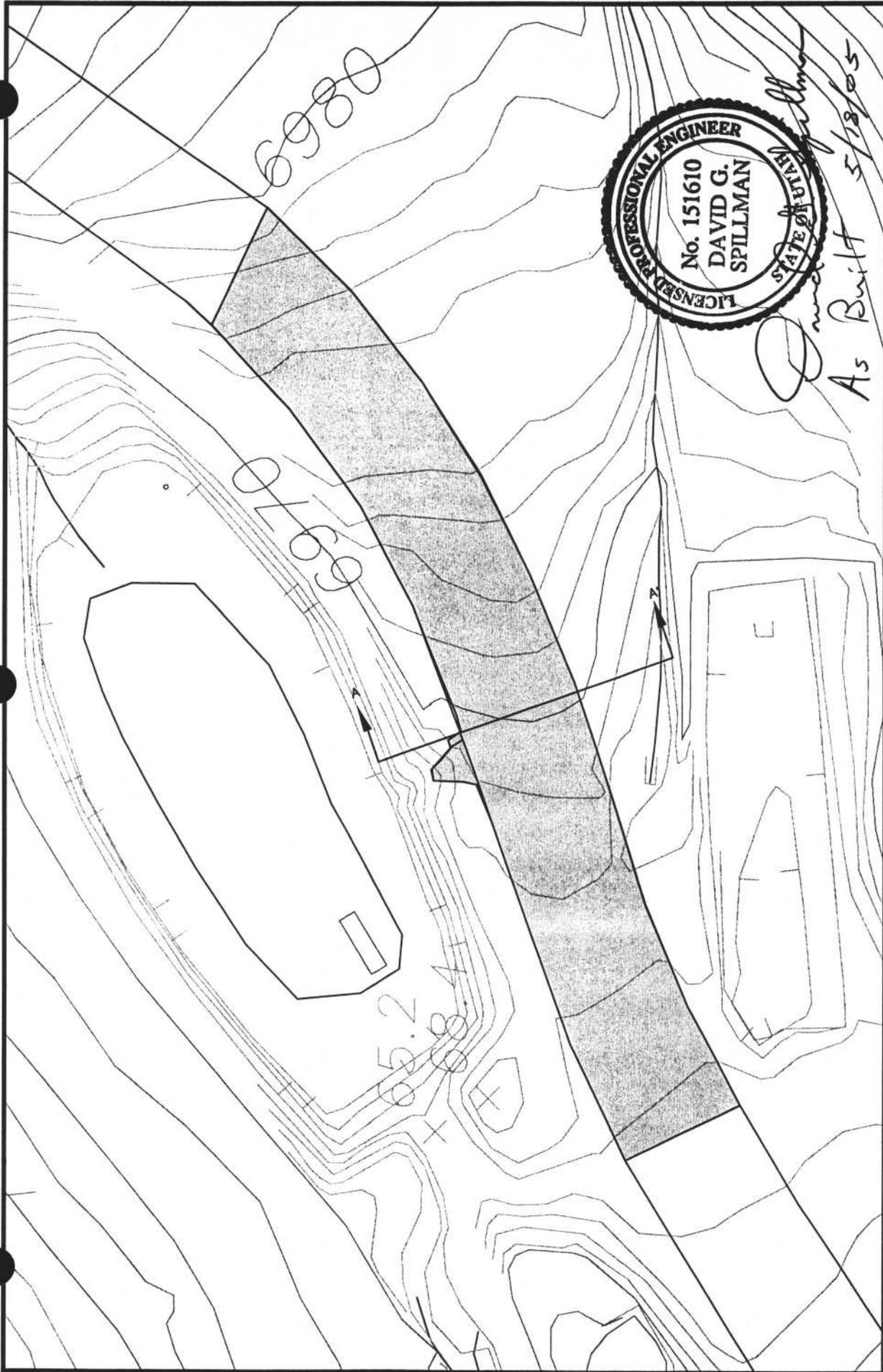


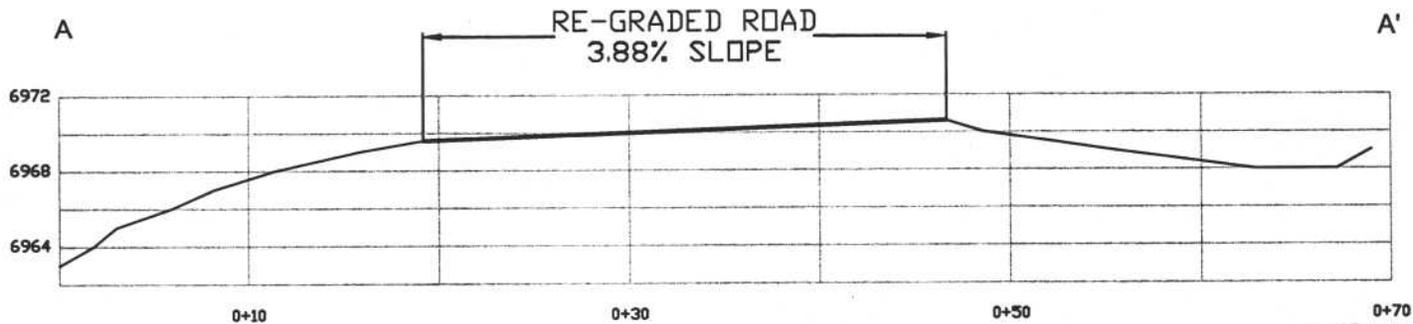
FIGURE 2. ROAD CROSS-SECTION





Canyon Fuel Company, LLC Dugout Canyon Mine																															
ROAD RE-GRADING AS BUILT																															
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= RE-GRADED AREA



ROAD CROSS-SECTION



*David G. Spillman*  
As Built 5/18/05



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**CF** Canyon Fuel Company, LLC  
Dugout Canyon Mine

**ROAD RE-GRADING CROSS-SECTION  
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