

C/041/002 Incoming

#4780

Sufco Mine

Kenneth E. May
General Manager
597 South SR24
Salina Utah 84654
(435) 286-4400
Fax (435) 286-4499

January 9, 2015

Permit Supervisor, Utah Coal Regulatory Program
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

RECEIVED

JAN 19 2015

DIV. OF OIL, GAS & MINING

Re: Amendment to MRP to Address the Bonding, Construction of Waterway and Re-Paving of Parking Area Adjacent to Office Building, Sufco Mine, Canyon Fuel Company, LLC, Permit Number C/041/0002

Dear Sirs:

Please find enclosed with this letter an amendment to the Sufco Mine Permit to address the addition of a waterway and re-paving of the asphalt parking area adjacent to the mine's office building. As currently proposed the in-place asphalt will be removed and replaced with new asphalt. The area will be regarded to slope towards the middle where a concrete waterway will be constructed to direct the precipitation. The waterway has been placed in the bond and the asphalt is a replacement for the existing asphalt and therefore is currently covered in the bond.

If you have questions or need addition information please contact Vicky Miller at (435)286-4481.

CANYON FUEL COMPANY, SUFCO Mine



Kenneth May
General Manager

Encl.

cc: DOGM Correspondence File

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change New Permit Renewal Exploration Bond Release Transfer

Permittee: Canyon Fuel Company, LLC

Mine: Sufco Mine

Permit Number: C/041/0002

Title: Amendment to MRP to add Bonding and Design for Concrete Waterway and Re-paving Office Area Parking

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.

- | | |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ <input type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 2. Is the application submitted as a result of a Division Order? DO# _____ |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 4. Does the application include operations in hydrologic basins other than as currently approved? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 6. Does the application require or include public notice publication? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 7. Does the application require or include ownership, control, right-of-entry, or compliance information? |
| <input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No | 9. Is the application submitted as a result of a Violation? NOV # _____ |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 10. Is the application submitted as a result of other laws or regulations or policies?
<i>Explain:</i> _____ |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 11. Does the application affect the surface landowner or change the post mining land use? |
| <input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No | 13. Does the application require or include collection and reporting of any baseline information? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 15. Does the application require or include soil removal, storage or placement? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 16. Does the application require or include vegetation monitoring, removal or revegetation activities? |
| <input checked="" 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 checked="" type="checkbox"/> No | 18. Does the application require or include water monitoring, sediment or drainage control measures? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 19. Does the application require or include certified designs, maps or calculation? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 20. Does the application require or include subsidence control or monitoring? |
| <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream? |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

Kenneth E. May
Print Name

Kenneth E. May 1/9/15
Sign Name, Position, Date

Subscribed and sworn to before me this 9 day of January, 2015

Jacquelyn Nebeker
Notary Public

My commission Expires: _____, 20____ }
Attest: State of _____ } ss:
County of _____ }



<p>For Office Use Only:</p>	<p>Assigned Tracking Number:</p>	<p>Received by Oil, Gas & Mining</p> <p style="text-align: center; color: blue; font-weight: bold; font-size: 1.2em;">RECEIVED</p> <p style="text-align: center; color: red; font-weight: bold;">JAN 12 2015</p> <p style="text-align: center; color: blue; font-weight: bold;">DIV. OF OIL, GAS & MINING</p>
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CHAPTER 5
ENGINEERING

Sufco Parking Lot - A plan has been provided in Appendix 5-11 for the replacement of the asphalt in parking area adjacent to the mine office building. After removal and prior to replacing the asphalt, the area will be re-graded to slope to the center of the parking area where an installed concrete waterway will assist in directing precipitation/water into structures in the permitted drainage plan to the sediment pond.

Slope Stability. The stability of the mine access road embankment has been evaluated where the road enters the permit area. Results of this evaluation are presented in Appendix 5-8. This analysis indicates that the access road embankment has a minimum safety factor of 1.7 under static conditions. This value exceeds the safety factor of 1.3 required by R645-301-534.130.

An evaluation of the stability of the sedimentation-pond access road embankment is presented in Appendix 5-8. This evaluation indicates that the minimum static safety factor of the sedimentation-pond road embankment is 1.7. This value also exceeds the safety factor of 1.3 required by R645-301-534.130.

All other roads in the lease area are owned and maintained by the U.S. Forest Service. No stability problems have been noted on these roads.

5.3.4.2 Environmental Protection and Safety

Safety and environmental protection were primary concerns during the design and reconstruction of the mine access road and construction of the sedimentation-pond access road. The grade, width, and surface materials used for the roads were selected to be appropriate for the planned duration and use of the roads.

5.3.4.3 Primary Roads

General. The only primary road (outside of the disturbed area boundary) used or maintained by SUFACO Mine is the mine access road. The extension of this primary road within the disturbed area boundary is known as the truck loop road. This road was designed and constructed in consultation with the U.S. Forest Service in a manner that provided protection to fish, wildlife, and related environmental values. The road is being maintained by SUFACO Mine to meet its design standards

APPENDIX 5-9

Reclamation Bond Estimate

Bonding Calculations

Direct Costs

Subtotal Demolition and Removal	\$1,312,661.50	
Subtotal Backfilling and Grading	\$548,005.00	
Subtotal Revegetation	\$171,967.00	
Direct Costs	\$2,032,633.50	

Indirect Costs

Mob/Demob	\$203,263.00	10.0%
Contingency	\$101,632.00	5.0%
Engineering Redesign	\$50,816.00	2.5%
Main Office Expense	\$138,219.00	6.8%
Project Mainagement Fee	\$50,816.00	2.5%
Subtotal Indirect Costs	\$544,746.00	26.8%

Total Cost	\$2,577,379.50	
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Escalation factor		0.012
Number of years		5
Escalation	\$158,399.00	

Reclamation Cost Escalated	\$2,735,778.50	
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Bond Amount (rounded to nearest \$1,000) 2016 Dollars	\$2,736,000.00	
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Posted Bond	\$2,874,000.00	
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Difference Between Cost Estimate and Bond Percent Difference	\$138,000.00 4.80%	
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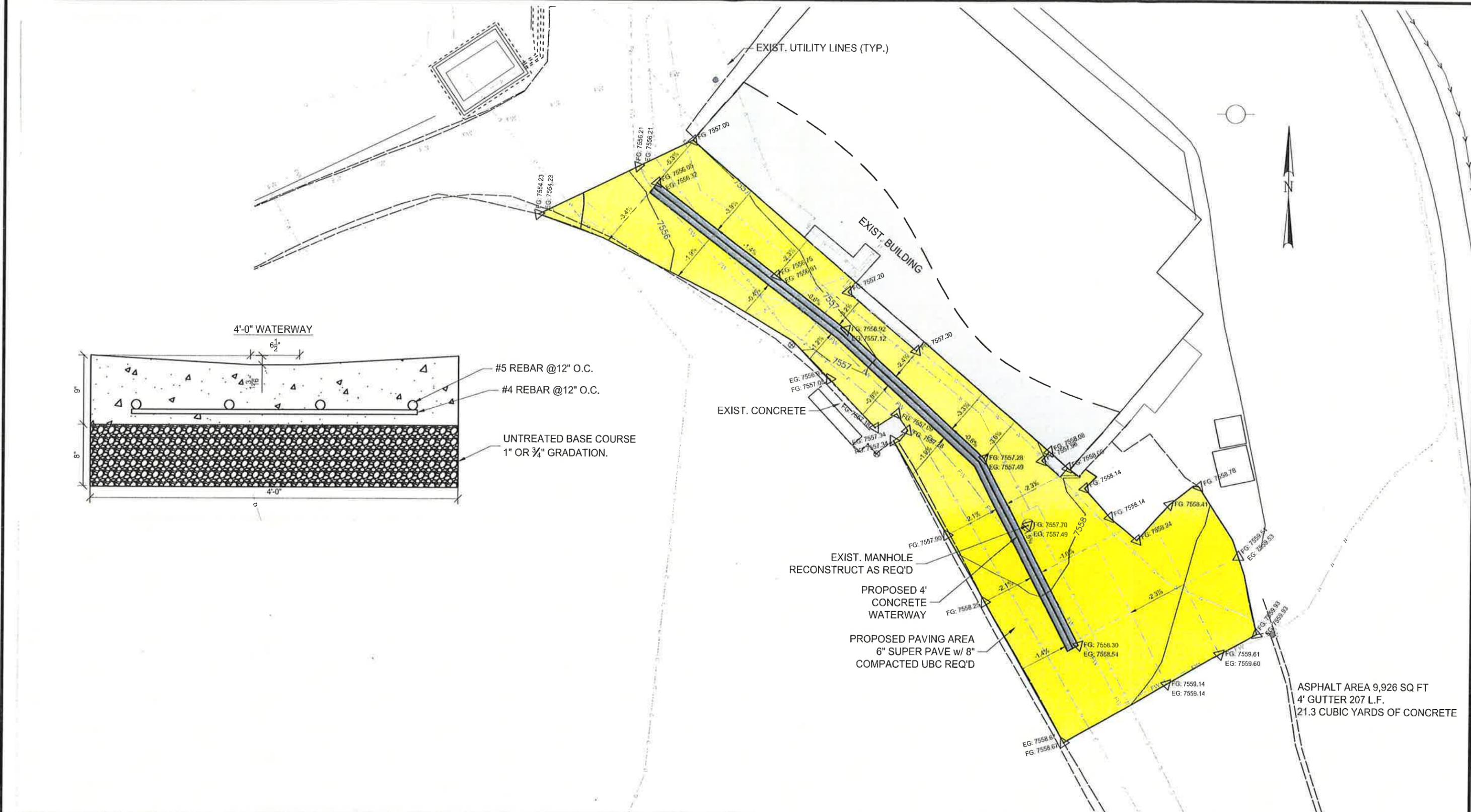
Ref	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
	Ambulance Garage																				\$2,364.00
	Belt Draper Tank																				\$13.00
	Blast Channels A																				\$145,211.00
	Blast Channels B																				\$53,489.00
	Bulk and Used Oil Storage																				\$1,518.00
	Cap Magazine																				\$22.00
	Chlorinator Bld																				\$18.00
	Covered Storage*																				\$0.00
	Diesel Tank																				\$995.00
	Drainage Culverts																				\$25,423.00
	Electrical Bld																				\$602.00
	Fan																				\$8,435.50
	Fire Water Tank 300000 Gall																				\$1,126.00
	Fuel Deck																				\$928.00
	Guard House																				\$348.00
	Landout Belt																				\$2,583.00
	Lower Stacker Coal Storage																				\$2,149.00
	Lump Coal Belt																				\$533.00
	Lump Coal Storage																				\$2,139.00
	No 1 Belt																				\$3,484.00
	Office Building																				\$107,366.00
	Pavement Removal																				\$39,837.99
	Powder Magazine																				\$22.00
	Pulley Racks *																				\$0.00
	Pump Houses																				\$912.00
	Rippop Filter Fabric																				\$250,968.00
	Rock Dust Bin																				\$3,557.00
	ROM Coal Storage																				\$21,139.00
	ROM MCC Bld																				\$1,022.00
	Sampler Building																				\$981.00
	Sand and Salt Storage																				\$2,965.00
	Seal Portals																				\$92,400.00
	Sediment Trap																				\$1,533.00
	Septic Tanks																				\$0.00
	Shelves *																				\$0.00
	Shop and Warehouse																				\$121,933.00
	Shop Garage																				\$11,941.00
	Shop Office																				\$2,322.00
	Side Release Tank																				\$161.00
	Steam Cleaner Building																				\$7,747.00
	Stoker Belt																				\$1,104.00
	Stoker Bin																				\$6,755.00
	Stoker Coal Storage																				\$3,127.00
	Stoker Oil Tanks																				\$1,539.00
	Storage Trailers																				\$1,256.00
	Substation Lower*																				\$79,848.00
	Substation Upper*																				\$0.00
	Tricket Printers																				\$69.00
	Trickle Building																				\$72,243.00
	Triple MCC Building																				\$3,759.00
	Triple Office Building																				\$3,161.00
	Transfer Building																				\$10,303.00
	Trash Pit																				\$942.00
	Truck Loader Bin																				\$96,352.00
	Truck Scale																				\$0.00
	Water Tank Upper																				\$0.00
	Water Tank Lower																				\$93,424.00
	West Lease Tunnels & Belt																				\$945.50
	Yard Hoist																				\$4,117.00
	Northwater Midstation																				\$6,042.00
	Link Canyon Facilities																				\$39,150.00
	Link Canyon Portals																				\$6,042.00
	Link Canyon Substation																				\$39,150.00
	Fourth East Facilities																				\$2,591.00
	Fan Generator Building																				\$18,066.00
	Four East Fan																				\$10,807.00
	Mine 1 Fan																				\$23,649.00
	Annex Building																				\$1,312,661.90
	Total																				\$ 1,312,661.90

Ref	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swell Factor	Quantity	Unit	Cost	
	Office Building																				
	Structure's Demolition Cost	Steel Bld Lamps	24116130020	0.36 /CF	CF						236638						0.1	236638	CF	85262	
	Structure's Vol. Demolished	Rubble's Weight (exclude steel)																			
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
	Disposal Cost Non Steel																				
	Shelf's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck	Truck dump 18 ton payload	15433205250	417.2 /day	day										3	Trip/Day				7635	
	Transportation Cost Steel Truck Drive	Truck Driver, Heavy	T1fv	\$37.55 /HR	HR															9497	
	Disposal Cost Steel																				
	Subtotal																				98394
	Equipment's Disposal Cost																				
	Disarming Cost																				
	Equipment's Vol. Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost	Concrete demolition	24113175200	11.5 /CY	CY						282										3358
	Concrete's Vol. Demolished	Front end loader 3 CY	312316421300	1.67 /CY	CY																635
	Loading Cost	12 CY (16 Ton) Dump Truck 12 mi. rmd. tri	31232201014	2.95 /CY	CY																1121
	Transportation Cost	On site disposal	24116174200	6.65 /CY	CY																8401
	Disposal Costs																				
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost	Concrete Waterways	24115175200	11.5 /CY	CY						21.3										242
	Concrete's Vol. Demolished	Front end loader 3 CY	312316421300	1.67 /CY	CY																45
	Loading Cost	12 CY (16 Ton) Dump Truck 12 mi. rmd. tri	31232201014	2.95 /CY	CY																80
	Transportation Cost	On site disposal	24116174200	6.65 /CY	CY																234
	Disposal Costs																				601
	Subtotal																				
	Concrete Demolition																				
	Demolition Cost																				
	Concrete's Vol. Demolished																				
	Loading Cost																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				
	Total																				107396

APPENDIX 5-11

Upper Mine Yard Details

Re-Paving Mine Office Area



Canyon Fuel Company, LLC
SUFCO Mine
 597 South SR 24 - Salina, UT 84654
 (435) 286-4880 Phone
 (435) 286-4499 Fax

SUFCO PARKING LOT
GRADING PLAN

SCALE: 1" = 30'	DATE: 10/9/2014	DRAWN BY: J.K.M.	ENGINEER: J.B.	CHECKED BY: T.R.B.
FILE NAME: M:\PROJ\0514-002\dwg\Parking Lot Grading.dwg			PROJ: 0514-002	

REVISIONS				
NO.	DATE	REQ. BY	DWG. BY	REMARKS