



**Canyon Fuel
Company, LLC.
Sufco Mine**

A Subsidiary of Arch Western Bituminous Group, LLC.

C/041/002 Incoming

*#3816
OK*

Ken May, General Manager
597 South SR 24
Salina, UT 84654
(435) 286-4400 - Office
(435) 286-4499- Fax

April 18, 2011

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

Re: West Lease Beltline Amendment, Canyon Fuel Company, LLC, SUFCO Mine C/041/0002

Dear Permit Supervisor:

The enclosed four redline and eight clean copies for approval of the West Lease Beltline Amendment are being submitted for approval to construct a new conveyor belt to access the West Lease Area of the mine. Attached are DOGM forms C-1 and C-2, MRP Table 5-4 "Description of Existing Structures" page 5-46, updated bond calculation sheets, and additional construction profile drawings that show the proposed beltline details for bonding.

All activities will occur within our current disturbed area boundary at the minesite. The new construction is well within the current bond posted by Sufco.

Updated and certified "as-built" versions of Plates 5-2A, 5-2B and 7-6 will be submitted once the portal and beltline construction activities are completed.

Sufco would like approval of this amendment as soon as possible to start construction on June 1st 2011. If you have any questions or need additional information, please contact Mike Davis at (435) 286-4421.

Sincerely,
CANYON FUEL COMPANY, LLC
Sufco Mine

Kenneth E. May

Kenneth E. May
General Manager

Encl.

KEM/MLD:kb

cc: DOGM Price Field Office
DOGM Correspondence File

File in:

- Confidential
- Shelf
- Expandable

Date Folder *04/21/2011 C/0410002*

Incoming

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APR 21 2011

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: SUFCO MINE

Permit Number:

C/041/0002

Title: West Lease Beltline

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

West Lease belt conveyor construction to begin June of 2011

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.

KENNETH E. MAY GENERAL MANAGER

Print Name

Position

Date

Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 19 day of April, 2011

Notary Public: Kystal Rickenbach, state of Utah.

My commission Expires: _____

Commission Number: _____

Address: _____

City: _____ State: _____ Zip: _____

SS: _____



NOTARY PUBLIC
KRYSTAL RICKENBACH
580808
My Commission Expires
November 10, 2013
STATE OF UTAH

For Office Use Only:

Assigned Tracking Number:

Received by Oil, Gas & Mining

RECEIVED

APR 21 2011

DIV. OF OIL, GAS & MINING

CHAPTER 5
ENGINEERING

TABLE 5-4 (Continued)

Description of Existing Structures

Structure	Construction Date	Construction Materials
Transfer Building	Fall 1977	Structural Steel
Trash Pit	Fall 2009	Concrete
Truck Loader Bin	Fall 2002	Structural Steel
Truck Scale	1975 / 1982 / 1996	Structural Steel
Warehouse and Shop	Summer 1976	Pre-Engineered Steel
Water Tanks - Lower	Summer 1975/Summer 2002	Steel & Plastic
Water Tank - Upper	Summer 1975	Steel
West Lease Portals & Belt	Summer 2011	Structural Steel & Concrete
Link Canyon Facilities		
Link Canyon Portals	Spring 2003	Steel
Link Canyon Substation	Summer 2000	Steel Skid
Four East Facilities		
Fan Generator Building	Fall 2003	Pre-Engineered Steel
4 East Fan	Spring 1996	Structural Steel

APPENDIX 5-9

Reclamation Bond Estimate

Bonding Calculations

Direct Costs

Subtotal Demolition and Removal	\$1,139,895.00
Subtotal Backfilling and Grading	\$548,005.00
Subtotal Revegetation	\$171,967.00
Direct Costs	\$1,859,867.00

Indirect Costs

Mob/Demob	\$185,987.00	10.0%
Contingency	\$92,993.00	5.0%
Engineering Redesign	\$46,497.00	2.5%
Main Office Expense	\$126,471.00	6.8%
Project Mainagement Fee	\$46,497.00	2.5%
Subtotal Indirect Costs	\$498,445.00	26.8%

Total Cost \$2,358,312.00

Escalation factor 0.004
 Number of years 4
 Escalation \$37,960.00

Reclamation Cost Escalated \$2,396,272.00

Bond Amount (rounded to nearest \$1,000) \$2,396,000.00
 2009 Dollars

Posted Bond \$2,874,000.00

Difference Between Cost Estimate and Bond \$478,000.00
 Percent Difference 16.63%

Demolition Costs

SUF Co Mine Task 2068

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																				\$2,504.00
	Belt Decar Tank																				\$13.00
	Blast Channels A																				\$143,211.00
	Blast Channels B																				\$53,488.00
	Bulk and Used Oil Storage																				\$1,518.00
	Cap Magazine																				\$22.00
	Chlorinator BH																				\$18.00
	Covered Storage*																				\$0.00
	Diesel Tank																				\$995.00
	Drainage Culverts																				\$25,340.00
	Electrical BH																				\$602.00
	Fan																				\$7,781.00
	Fire Water Tank 300000 Gal																				\$11,126.00
	Fuel Deck																				\$928.00
	Guard House																				\$349.00
	Loadout 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																				\$3,404.00
	Office Building																				\$67,377.00
	Pavement Removal																				\$29,153.00
	Powder Magazine																				\$22.00
	Pulley Racks *																				\$0.00
	Pump Houses																				\$972.00
	Rearup Filter Fabric																				\$3,557.00
	Rock Dust Bin																				\$21,139.00
	ROM Coal Storage																				\$1,022.00
	ROM MCC BH																				\$991.00
	Sampler Building																				\$1,001.00
	Sand and Salt Storage																				\$62,400.00
	Seal Portals																				\$1,533.00
	Sediment Trap																				\$0.00
	Septic Tanks																				\$0.00
	Shelves *																				\$0.00
	Shop and Warehouse																				\$80,022.00
	Shop Garage																				\$11,941.00
	Shop Office																				\$2,322.00
	Side Release Tank																				\$161.00
	Steam Cleaner Building																				\$7,713.00
	Stoker Belt																				\$1,104.00
	Stoker Bin																				\$6,755.00
	Stoker Coal Storage																				\$4,264.00
	Stoker Oil Tanks																				\$1,539.00
	Storage Trailers																				\$1,256.00
	Substation Lower*																				\$72,822.00
	Substation Upper*																				\$0.00
	Traker Primers																				\$69.00
	Trickle Building																				\$36,194.00
	Trickle MCC Building																				\$2,759.00
	Trickle Office Building																				\$3,161.00
	Transfer Building																				\$10,303.00
	Trash Pit																				\$542.00
	Truck Loader Bin																				\$1,885.00
	Truck Scale																				\$36,352.00
	Water Tank Upper																				\$0.00
	Water Tank Lower																				\$0.00
	West Lease Tunnels & Belt																				\$83,424.00
	Link Canyon Facilities																				\$6,042.00
	Link Canyon Portals																				\$39,150.00
	Link Canyon Substation																				\$2,591.00
	Fourth East Facilities																				\$18,066.00
	Fan Generator Building																				\$0.00
	Four East Fan																				\$0.00

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	
	West Lease Tunnels & Belt																				
	Structure's Vol. Demolished-Large Truss	Steel Bkt. Large	02220 110.0012	0.31 /CF	CF	183	14	12										30744	CF	9531	
	Structure's Vol. Demolished-Med. Truss	Steel Bkt. Large	02220 110.0012	0.31 /CF	CF	139	8.3	9										10383	CF	3219	
	Structure's Vol. Demolished-Reg. Truss	Steel Bkt. Large	02220 110.0012	0.31 /CF	CF	352	6.3	3.5										10226	CF	3170	
	Structure's Vol. Demolished	Steel Bkt. Large	02220 110.0012	0.31 /CF	CF	30	24.3	4										2940	CF	911	
	Rubble's Weight (exclude steel)																	0.1	201	CY	
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
	Disposal Cost Non Steel																				
	Steel's Weight										16										
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck	Truck dump, 16 ton payload	01590 200.5900	718.44 /day	day																
	Transportation Cost Steel Truck Drive	Truck Driver, Heavy	Triv	\$50.55 /HR	HR																
	Disposal Cost Steel																				
	Equipment & Disposal Cost																				
	Dismantling Cost																				
	Equipment & Vol. Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Concrete Demolition - Belt																				
	Demolition Cost	Concrete demolition	ConcreteDemo1	11.38 /CY	CY						20										
	Concrete's Vol. Demolished																				
	Loading Cost	Front end loader 3 CY	02315 424.1300	1.06 /CY	CY																
	Transportation Cost	12 CY (16 Ton) Dump Truck 1/2 mi. mtd. trip	02315 491.0320	2.9 /CY	CY																
	Disposal Costs	On site disposal	02220 240.5550	9.15 /CY	CY																
	Concrete Demolition - Tunnels																				
	Demolition Cost	Concrete demolition	ConcreteDemo1	11.38 /CY	CY						2153										
	Concrete's Vol. Demolished																				
	Loading Cost	Front end loader 3 CY	02315 424.1300	1.06 /CY	CY																
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APPENDIX 5-10

West Lease Portals Construction and Bonding Details

Concrete Quantities

Item	Area (ft ²)	Length (ft)	Volume (ft ³)	Volume (c.y.)
West Box Culvert	78.22	280	21902	811.2
East Box Culvert	78.22	300	23467	869.1
Vent Shaft Support Walls	44.32	10.33	458	17.0
Vent Shaft Support Floor	271.72	1.17	318	11.8
Gear Base	350.00	10	3500	129.6
Retaining Wall	33.96	176	5977	221.4
Slab	3741.00	0.67	2506	92.8

Pipe Quantities

Item	Length (ft)
72" Dia Pipe	478.73
42" Dia Pipe	445.14

New Junction Boxes 6

Beltline Quantities

Item	Length (ft)	Width (ft)	Height (ft)	Volume (ft ³)
Beltline – Large Truss Section	183	14.0	12.0	30,744
Beltline – Med. Truss Section	139	8.3	9.0	10,383
Beltline – Reg. Truss Sections	352	8.3	3.5	10,226

Beltline Bent Footings 20 CY Concrete

APPLICATION FOR COAL PERMIT PROCESSING

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Mine: SUFCO MINE

Permit Number:

C/041/0002

Title: West Lease Beltline

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- | | | |
|------------------------------|--|---|
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Explain: _____

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KENNETH E. MAY GENERAL MANAGER

Print Name

Position

Date

Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 19 day of April, 2011

Notary Public: Kystal Rickenbach, state of Utah.

My commission Expires: _____

Commission Number: _____

Address: _____

City: _____ State: _____ Zip: _____



NOTARY PUBLIC
KRYSTAL RICKENBACH
 580808
 My Commission Expires
 November 10, 2013
 STATE OF UTAH

For Office Use Only:

Assigned Tracking
Number:

Received by Oil, Gas & Mining

RECEIVED

APR 21 2011

DDW/OIL, GAS & MINING

CHAPTER 5
ENGINEERING

TABLE 5-4 (Continued)
 Description of Existing Structures

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Link Canyon Facilities		
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Four East Facilities		
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4 East Fan	Spring 1996	Structural Steel

APPENDIX 5-9

Reclamation Bond Estimate

Bonding Calculations

Direct Costs

Subtotal Demolition and Removal	\$1,139,895.00
Subtotal Backfilling and Grading	\$548,005.00
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Direct Costs	\$1,859,867.00

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Contingency	\$92,993.00	5.0%
Engineering Redesign	\$46,497.00	2.5%
Main Office Expense	\$126,471.00	6.8%
Project Mainagement Fee	\$46,497.00	2.5%
Subtotal Indirect Costs	\$498,445.00	26.8%

Total Cost	\$2,358,312.00
------------	----------------

Escalation factor		0.004
Number of years		4
Escalation	\$37,960.00	

Reclamation Cost Escalated	\$2,396,272.00
----------------------------	----------------

Bond Amount (rounded to nearest \$1,000) 2009 Dollars	\$2,396,000.00
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Posted Bond	\$2,874,000.00
-------------	----------------

Difference Between Cost Estimate and Bond	\$478,000.00
Percent Difference	16.63%

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	
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	Blast Channels B																				\$69,488.00
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	Cap Magazine																				\$22.00
	Chinleifer Bld																				\$18.00
	Covered Storage*																				\$0.00
	Diesel Tank																				\$98.00
	Drainage Culverts																				\$25,266.00
	Electrical Bld																				\$602.00
	Fan																				\$7,751.00
	Fire Water Tank 300000 Gal																				\$1,126.00
	Fuel Dock																				\$7,751.00
	Guard House																				\$1,126.00
	Loadout Bld																				\$7,751.00
	Lower Stacker Coal Storage																				\$2,504.00
	Lump Coal Bld																				\$2,504.00
	Lump Coal Storage																				\$2,504.00
	MT Bld																				\$2,504.00
	Office Building																				\$2,504.00
	Pavement Removal																				\$2,504.00
	Powder Magazine																				\$2,504.00
	Pulley Rack																				\$2,504.00
	Pump House																				\$2,504.00
	Refrig Filter Fabric																				\$2,504.00
	Rock Dust Bin																				\$2,504.00
	ROM Coal Storage																				\$2,504.00
	ROM MCO Bld																				\$2,504.00
	Sample Bld																				\$2,504.00
	Sand and Salt Storage																				\$2,504.00
	Seal Paving																				\$2,504.00
	Sediment Trap																				\$2,504.00
	Soil Tanks																				\$2,504.00
	Shelves																				\$2,504.00
	Shop and Warehouse																				\$2,504.00
	Shop Garage																				\$2,504.00
	Shop Office																				\$2,504.00
	Spill Release Tank																				\$2,504.00
	Steam Cleaner Building																				\$2,504.00
	Stacker Bin																				\$2,504.00
	Stacker Bin																				\$2,504.00
	Stacker Coal Storage																				\$2,504.00
	Stacker Oil Tanks																				\$2,504.00
	Storage Tanks																				\$2,504.00
	Substation Lower																				\$2,504.00
	Substation Upper																				\$2,504.00
	Ticket Printer																				\$2,504.00
	Triple Building																				\$2,504.00
	Triple MCO Building																				\$2,504.00
	Triple Office Building																				\$2,504.00
	Transfer Building																				\$2,504.00
	Trash Pit																				\$2,504.00
	Truck Loader Bin																				\$2,504.00
	Truck Scale																				\$2,504.00
	Water Tank Upper																				\$2,504.00
	Water Tank Lower																				\$2,504.00
	West Lease Tunnels & Belt																				\$2,504.00
	Link Cannon Facilities																				\$2,504.00
	Link Cannon Frontals																				\$2,504.00
	Link Cannon Substation																				\$2,504.00
	Fourth East Facilities																				\$2,504.00
	Fan Generator Building																				\$2,504.00
	Four East Fan																				\$2,504.00
	Total																				\$1,138,886.00

Ref.	Description	Materials	Means Reference Number	Unit Cost	Unit	Length	Width	Height	Diameter	Area	Volume	Weight	Density	Time	Number	Unit	Swall Factor	Quantity	Unit	Cost	
	Weld Lease Tunnels & Bat																				
	Structure's Vol Demolished Large Truss	Steel Bld Large	02220 110 0012	0.31 /CF	CF	183	14	12										30744	CF	9531	
	Structure's Vol Demolished Med Truss	Steel Bld Large	02220 110 0012	0.31 /CF	CF	139	8.3	9										10383	CF	3219	
	Structure's Vol Demolished R-Reg Truss	Steel Bld Large	02220 110 0012	0.31 /CF	CF	352	8.3	3.5										10226	CF	3170	
	Structure's Vol Demolished	Steel Bld Large	02220 110 0012	0.31 /CF	CF	30	24.5	4										2940	CF	911	
	Rubbish's Weight (exclude steel)																	0.1	201	CY	
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Non Steel Truck																				
	Transportation Cost Non Steel Drive																				
	Disposal Cost Non Steel																				
	Steel's Weight																				
	Truck's Capacity																				
	Haulage																				
	Transportation Cost Steel Truck																				
	Transportation Cost Steel Truck Drive																				
	Disposal Cost Steel																				
	Subtotal																				21659
	Equipment & Disposal Cost																				
	Demolition Cost																				
	Equipment's Vol Demolished																				
	Loading Costs																				
	Transport Costs																				
	Disposal Costs																				
	Subtotal																				21659
	Concrete Demolition - Belt																				
	Demolition Cost																				
	Concrete's Vol Demolished																				
	Loading Costs																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				228
	Concrete Demolition - Tunnels																				
	Demolition Cost																				
	Concrete's Vol Demolished																				
	Loading Costs																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				238
	Concrete Demolition - Tunnels																				
	Demolition Cost																				
	Concrete's Vol Demolished																				
	Loading Costs																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				569
	Concrete Demolition - Tunnels																				
	Demolition Cost																				
	Concrete's Vol Demolished																				
	Loading Costs																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				24501
	Concrete Demolition - Tunnels																				
	Demolition Cost																				
	Concrete's Vol Demolished																				
	Loading Costs																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				2967
	Concrete Demolition - Tunnels																				
	Demolition Cost																				
	Concrete's Vol Demolished																				
	Loading Costs																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				25611
	Concrete Demolition - Tunnels																				
	Demolition Cost																				
	Concrete's Vol Demolished																				
	Loading Costs																				
	Transportation Cost																				
	Disposal Costs																				
	Subtotal																				61196
	Total																				83424

APPENDIX 5-10

West Lease Portals Construction and Bonding Details

Concrete Quantities

Item	Area (ft ²)	Length (ft)	Volume (ft ³)	Volume (c.y.)
West Box Culvert	78.22	280	21902	811.2
East Box Culvert	78.22	300	23467	869.1
Vent Shaft Support Walls	44.32	10.33	458	17.0
Vent Shaft Support Floor	271.72	1.17	318	11.8
Gear Base	350.00	10	3500	129.6
Retaining Wall	33.96	176	5977	221.4
Slab	3741.00	0.67	2506	92.8

Pipe Quantities

Item	Length (ft)
72" Dia Pipe	478.73
42" Dia Pipe	445.14

New Junction Boxes 6

Beltline Quantities

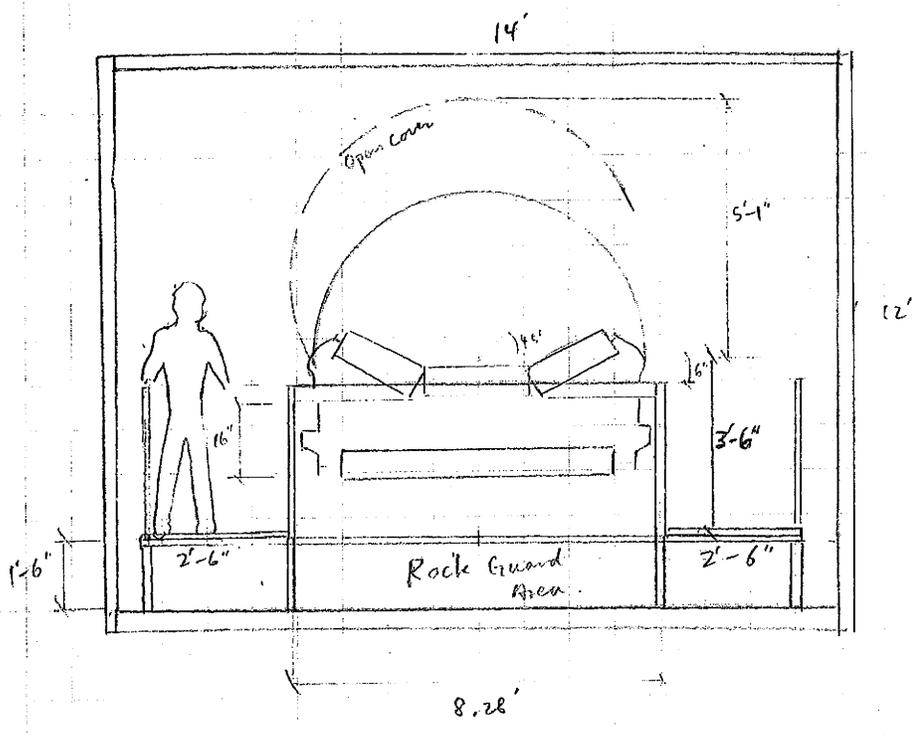
Item	Length (ft)	Width (ft)	Height (ft)	Volume (ft ³)
Beltline – Large Truss Section	183	14.0	12.0	30,744
Beltline – Med. Truss Section	139	8.3	9.0	10,383
Beltline – Reg. Truss Sections	352	8.3	3.5	10,226

Beltline Bent Footings 20 CY Concrete

FLSMIDTH

PROJECT
Sutco mine Surface Facilities Expansion
SUBJECT
New Rom Conveyor Truss Bridge

PROJ NO.	11022		
CALC NO.	S-001		
BY	W/Chan	DATE	4/1/2011
CHK		DATE	
SHEET	OF	REV	

Cross section sketchTruss bridge design width

Belt width + idler supports = $72'' + 15\frac{3}{8}'' + 12'' \text{ clearance} = 99.375''$
 walk way each side = 30'' each

Total = $99.375'' + 2(30'') = 159.375 / 12 = 13.28'$ ∴ use 14 ft.

Truss bridge design height

Top bottom of belts to top of bottom truss = 3'-6"
 Bottom of belt to centroid of cover = $1.167' - 9\frac{3}{8}'' = 5.379''$ ∴ Use 6"
 Cover Radius = 43"
 Open cover to centroid of cover = 5'-1"

Total = $3.5' + 0.5' + 5'-1'' + 1.5' \text{ top clearance} + 1.5' \text{ Rock guard} = 12'-1''$ ∴ use 12 ft.