



**Alton Coal Development, LLC**  
463 North 100 West, Suite 1  
Cedar City, Utah 84720  
Phone (435) 867-5331 / Fax (435) 867-1192

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January 3, 2017

Daron R. Haddock  
Coal Program Manager  
Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

**Re: Phase 1 Bond Release, Alton Coal Development, LLC, Coal Hollow Project,  
Kane County, Utah, C/025/0005**

Dear Mr. Haddock:

Pursuant to R645-301-880.300, enclosed on behalf of Alton Coal Development, LLC is a copy of the application for Phase 1 Bond Release for select areas of the Coal Hollow Mine as follows:

- Application for Phase 1 Bond Release
- C1 and C2 Forms
- Public Notice for Bond Release Application
- Plan view and cross-section Figures of "Proposed Phase 1 Bond Release"

Also, as required by R645-301-880.600, notifications of the proposed bond release have been made to the following:

- Southern Utah News
- Heaton Brothers, LLC
- Keith R. & Anne Marie Stanworth
- William and Helen Mackelprang
- G. Ferril and Dorothy M. Heaton
- Dean R. Heaton
- BLM-KFO
- Kane County Planning Commission

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- Kane County Water Conservancy District
- Alton Mayor – Alton, Utah

Please contact me at 435-691-1551 should you have any questions or comments. This submittal is being provided electronically, a hard copy with certified drawings will follow.

Sincerely



B. Kirk Nicholes  
Environmental Specialist



# NPL AREA 1

	Topsoil Stockpile	Subsoil Stockpile
Starting Stockpile Volume	74,953	41,378

## BRP 1-10 = 12.21 ACRES

Source	NL Topsoil	Livehaul Topsoil*	Total Topsoil	NL Subsoil	Livehaul Subsoil	Total Subsoil	
	CY	CY	CY	CY	CY	CY	
Stockpile volume utilized	18,784	0	18,784	14,071	8,459	22,530	
Suitable spoil**							33,283
Remaining stockpile volume	56,169			27,307			

\*Livehaul source: Area 1

\*\*Suitable Spoil: Surface two feet of 9.38 acres represented by Soil Sample Pits 1, 2, and 3.5N

\*\*\*Average topsoil cover depth 1.08 ft.

\*\*\*\*Subsoil redistribution depth as shown on Drawing 5-76a

## Added to stockpile with addition of Area 1 Extended

Source	NL Topsoil	Livehaul Topsoil*	Total Topsoil	NL Subsoil	Livehaul Subsoil	Total Subsoil
	CY	CY	CY	CY	CY	CY
Stockpile volume added	0	0	0	36,000	0	36,000
Remaining stockpile volume	56,169			63,307		

## BRP 1-12 = 16.25 ACRES

Source	NL Topsoil	Livehaul Topsoil*	Total Topsoil	NL Subsoil	Livehaul Subsoil*	Total Subsoil	
	CY	CY	CY	CY	CY	CY	
Stockpile volume utilized	2,968	26,205	29,173	32,919	32,410	65,329	
Suitable spoil**							968
Remaining stockpile volume	53,201			30,388			

\*Livehaul source: Area 1 extended

\*\*Suitable Spoil: Surface 6 inches of 9.38 acres represented by Soil Sample Pits 4

\*\*\*Subsoil redistribution depth as shown on Drawing 5-76a.

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Added to stockpile with addition of Area 2

Source	NL Topsoil	Livehaul Topsoil*	Total Topsoil	NL Subsoil	Livehaul Subsoil	Total Subsoil		
	CY	CY	CY	CY	CY	CY	CY	CY
Stockpile volume added		0	0	0	19,287	0	19,287	
Remaining stockpile volume		53,201			49,675			

BRP 1-13 = 24.107 ACRES

Source	NL Topsoil	Livehaul Topsoil*	Total Topsoil**	NL Subsoil	Livehaul Subsoil*	Total Subsoil		
	CY	CY	CY	CY	CY	CY	CY	CY
Stockpile volume utilized		4,207	7,077	11,284	0	84,403	84,403	
Suitable spoil								0
Remaining stockpile volume		48,994						49,675

\*Livehaul source: Area 2

\*\* At date of bond release application (1/5/2018) approx. 4.7 acres of BRP1-13 has been topsoiled

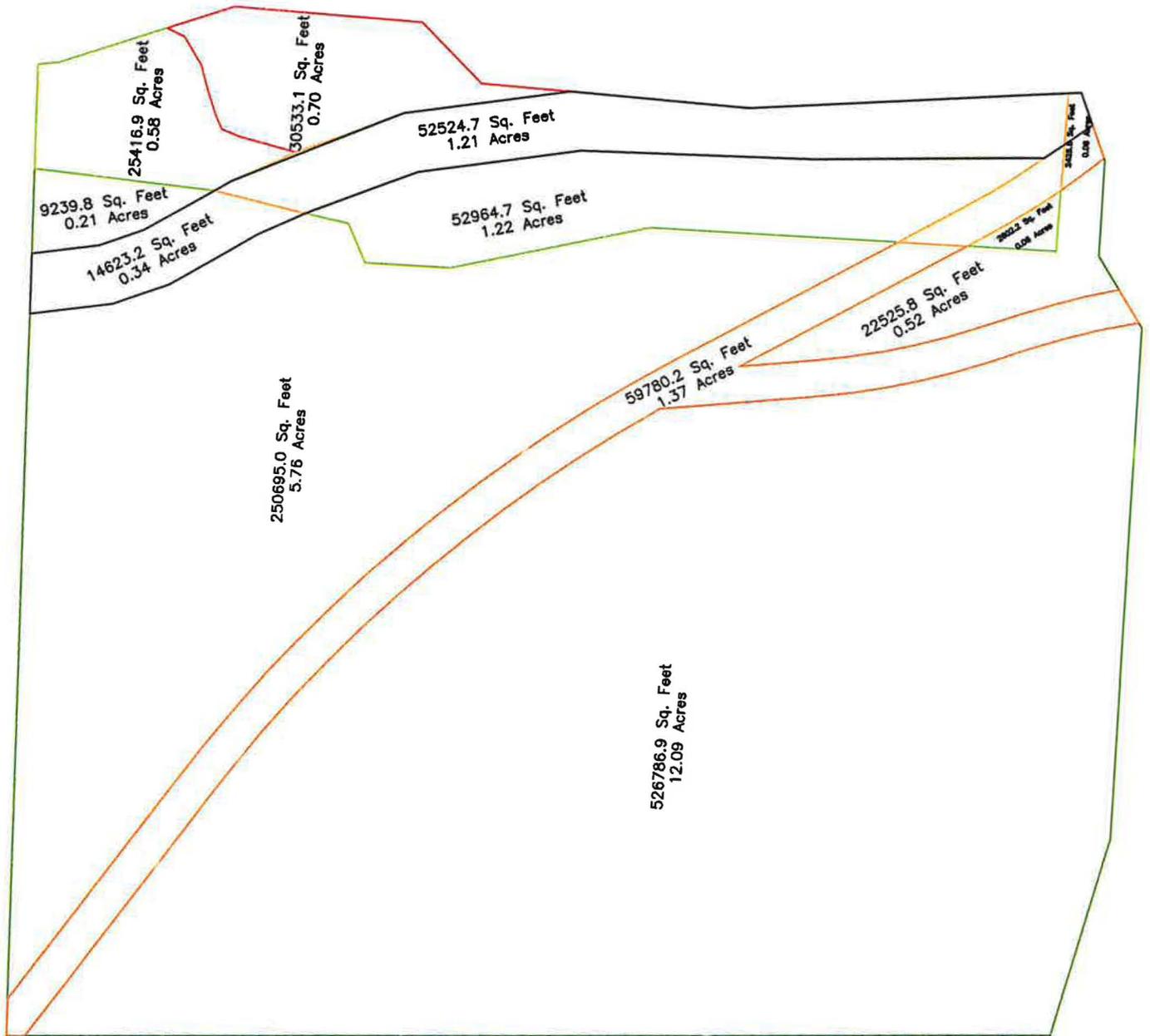
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Detailed Breakdown of  
Subsoil Application in  
BRP1-13

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BRP1-13						
Area1						
	sqft	Acres	Subsoil Applied			
			inches	feet	cyds	
	526786.9	12.09	30	2.5	48,777	
	250695	5.76	30	2.5	23,213	
	22525.8	0.52	30	2.5	2,086	
	9239.8	0.21	30	2.5	856	
	2425.6	0.06	30	2.5	225	
County/McDonald	59780.2	1.37	0	0	0	
Haul Road	14623.2	0.34	0	0	0	
<b>Total Area1</b>	<b>886,077</b>	<b>20.34</b>			<b>75,155</b>	

Area2						
	sqft	Acres	Subsoil Applied			
			inches	feet	cyds	
	25416.9	0.58	37	3.1	2,903	
	52964.7	1.22	37	3.1	6,048	
	2602.2	0.06	37	3.1	297	
Haul/County	52524.7	1.21	0	0	-	
Undisturbed	30533.1	0.70	0	0	0	
<b>Total Area2</b>	<b>164,042</b>	<b>3.77</b>			<b>9,248</b>	

BRP1-13						
Area1						
	sqft	Acres	Topsoil Applied			
			inches	feet	cyds	
Seeded Oct 2017	203103.8	4.66	18	1.5	11,284	
<b>Total Area1</b>	<b>203,104</b>	<b>4.66</b>			<b>11,284</b>	

Area2						
	sqft	Acres	Topsoil Applied			
			inches	feet	cyds	
			11	0.9		
<b>Total Area2</b>	<b>-</b>	<b>0.00</b>			<b>-</b>	

<b>Total BRP1-13</b>	<b>24.107</b>	<b>84,403</b>	<b>Total BRP1-13</b>	<b>11,284</b>
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Contour Interval = 2'

STA 14+0.00

BRP1-13  
24.1 Acres (2018)

Rebuilt County Roads  
(No Subsoil)

**LEGEND:**

- PERMIT BOUNDARY
- PRIVATE COAL OWNERSHIP
- ULTIMATE PIT BOUNDARY
- DISTURBANCE BNDY
- SECTION LINE
- FOUND SECTION CORNER
- FOUND PROPERTY CORNER

DRAWN BY: A. Christensen	CHECKED BY: KN	
DRAWING: Fig. 1	DATE: 1/4/2018	SCALE: 1" = 100' Printed on 24" x 36"
JOB NUMBER:	SHEET	

REVISIONS	
DATE:	BY:
2/28/18	AC
3/20/18	AC

**OVERVIEW  
PROPOSED  
BOND RELEASE  
18\_1, BRP 1-13**

COAL HOLLOW  
PROJECT  
ALTON, UTAH

Figure 1

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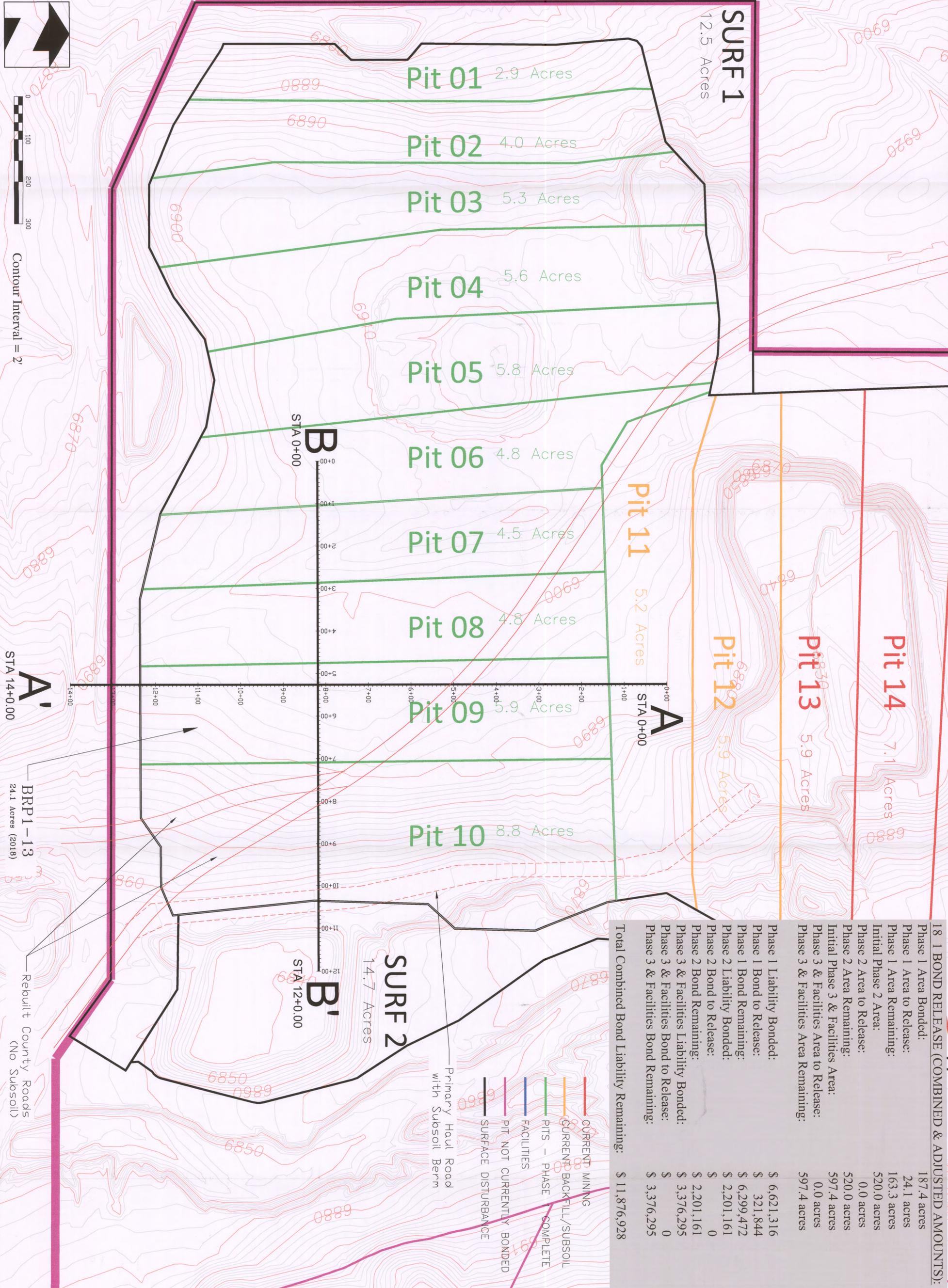
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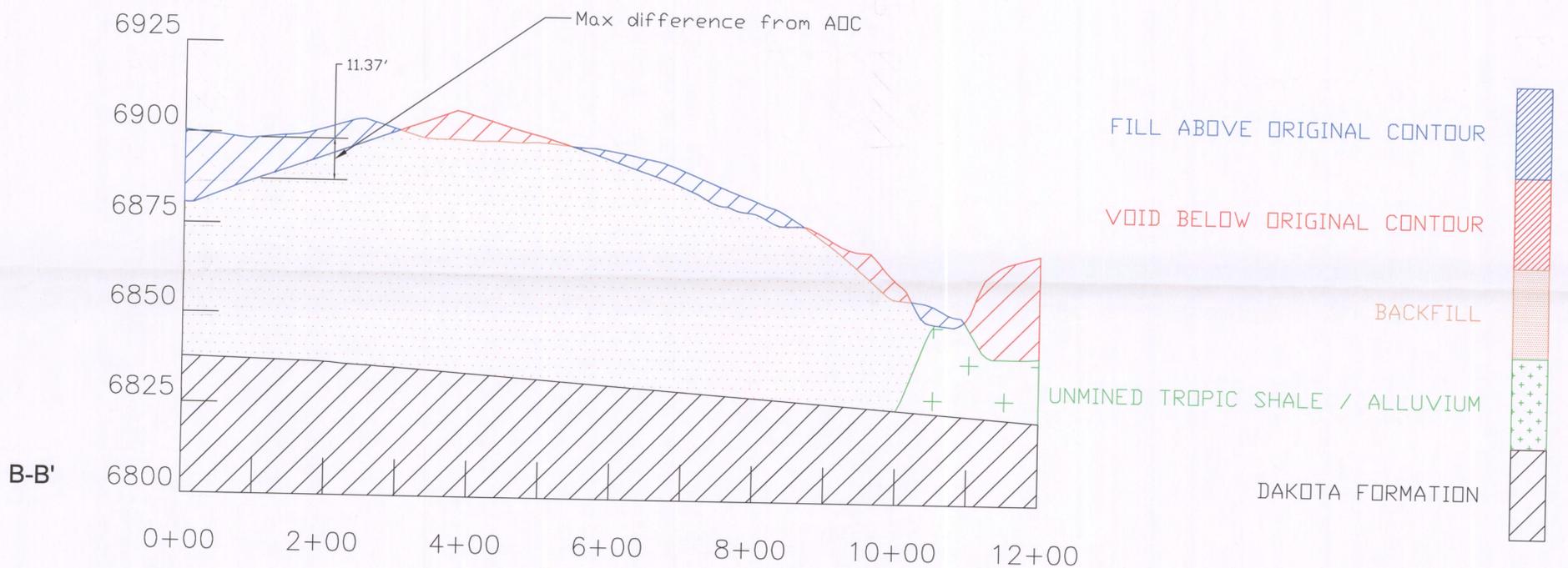
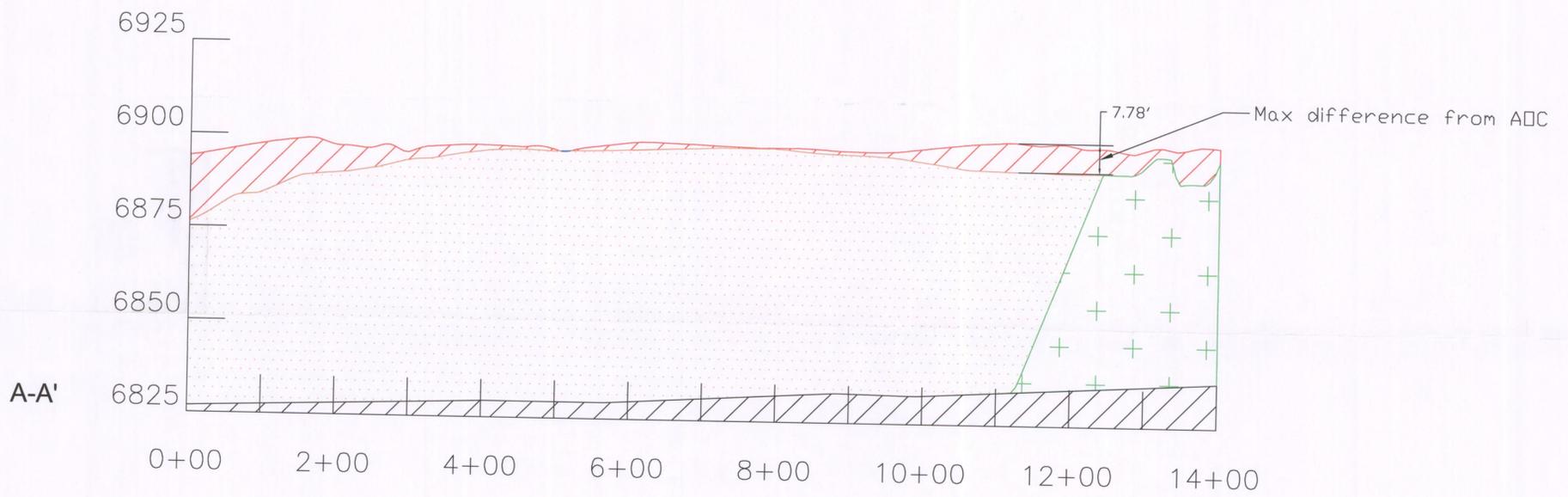
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Coal Hollow  
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18_1 BOND RELEASE (COMBINED & ADJUSTED AMOUNTS):	
Phase 1 Area Bonded:	187.4 acres
Phase 1 Area to Release:	24.1 acres
Phase 1 Area Remaining:	163.3 acres
Initial Phase 2 Area:	520.0 acres
Phase 2 Area to Release:	0.0 acres
Phase 2 Area Remaining:	520.0 acres
Initial Phase 3 & Facilities Area:	597.4 acres
Phase 3 & Facilities Area to Release:	0.0 acres
Phase 3 & Facilities Area Remaining:	597.4 acres
Phase 1 Liability Bonded:	\$ 6,621,316
Phase 1 Bond to Release:	\$ 321,844
Phase 1 Bond Remaining:	\$ 6,299,472
Phase 2 Liability Bonded:	\$ 2,201,161
Phase 2 Bond to Release:	\$ 0
Phase 2 Bond Remaining:	\$ 2,201,161
Phase 3 & Facilities Liability Bonded:	\$ 3,376,295
Phase 3 & Facilities Bond to Release:	\$ 0
Phase 3 & Facilities Bond Remaining:	\$ 3,376,295
<b>Total Combined Bond Liability Remaining:</b>	<b>\$ 11,876,928</b>

- CURRENT MINING
- CURRENT BACKFILL/SUBSOIL
- PITS - PHASE COMPLETE
- FACILITIES
- PIT NOT CURRENTLY BONDED
- SURFACE DISTURBANCE





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1" = 20'  
X-Section Scale  
1" = 100'

**LEGEND:**

- PERMIT BOUNDARY
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- DISTURBANCE BNDY
- SECTION LINE
- FOUND SECTION CORNER
- FOUND PROPERTY CORNER

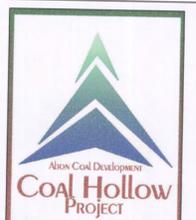
DRAWN BY: A. Christensen	CHECKED BY: KN
DRAWING: <b>FIGURE 1-A</b>	DATE: 1/4/2017
JOB NUMBER:	SCALE: 1" = 100' Printed on 24" x 36"
SHEET	

REVISIONS	
DATE:	BY:
xx/xx/xx	xx

**CROSS-SECTIONS  
BOND RELEASE  
BRP 1-13**

COAL HOLLOW  
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ALTON, UTAH

**FIGURE 1-A**



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