



OGMCOAL DNR <ogmcoal@utah.gov>

0250005 Coal Hollow Concept Plan and Rough Estimate for Citation #21164

Priscilla Burton <priscillaburton@utah.gov>

Mon, Feb 29, 2016 at 10:17 AM

To: OGMCOAL DNR <ogmcoal@utah.gov>

----- Forwarded message -----

From: **Andrew Christensen** <drew@altoncoal.com>

Date: Fri, Feb 26, 2016 at 5:46 PM

Subject: Concept Plan and Rough Estimate for Citation #21164

To: Daron Haddock <daronhaddock@utah.gov>, Priscilla Burton <priscillaburton@utah.gov>

Cc: Kirk Nicholes <knicholes@altoncoal.com>, Larry Johnson <ljohnson@altoncoal.com>, Bob Nead <blbnead@altoncoal.com>

Daron/Priscilla,

Please see attached concept plan and estimate in response to the modification of citation #21164. I've also attached a full size 24 X 36 plot of Figure 1 in case anyone wishes to plot to scale.

Thanks and Regards,

Andrew Christensen - Technical Services Manager

Alton Coal Development

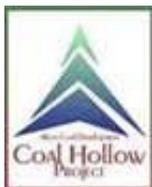
463 N 100 W

Cedar City, Utah 84721

P: 435.867.5331

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2 attachments



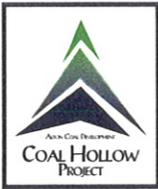
21164_Pit10Concept_20160226.pdf

1071K



21164_Concept_Figure1.pdf

854K



Alton Coal Development, LLC

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Cedar City, Utah 84720

Phone (435) 867-5331 • Fax (435) 867-1192

February 26, 2016

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

Subject: **Citation # 21164 – Concept Plan for Pit 10 Backfill Source**

Dear Mr. Haddock,

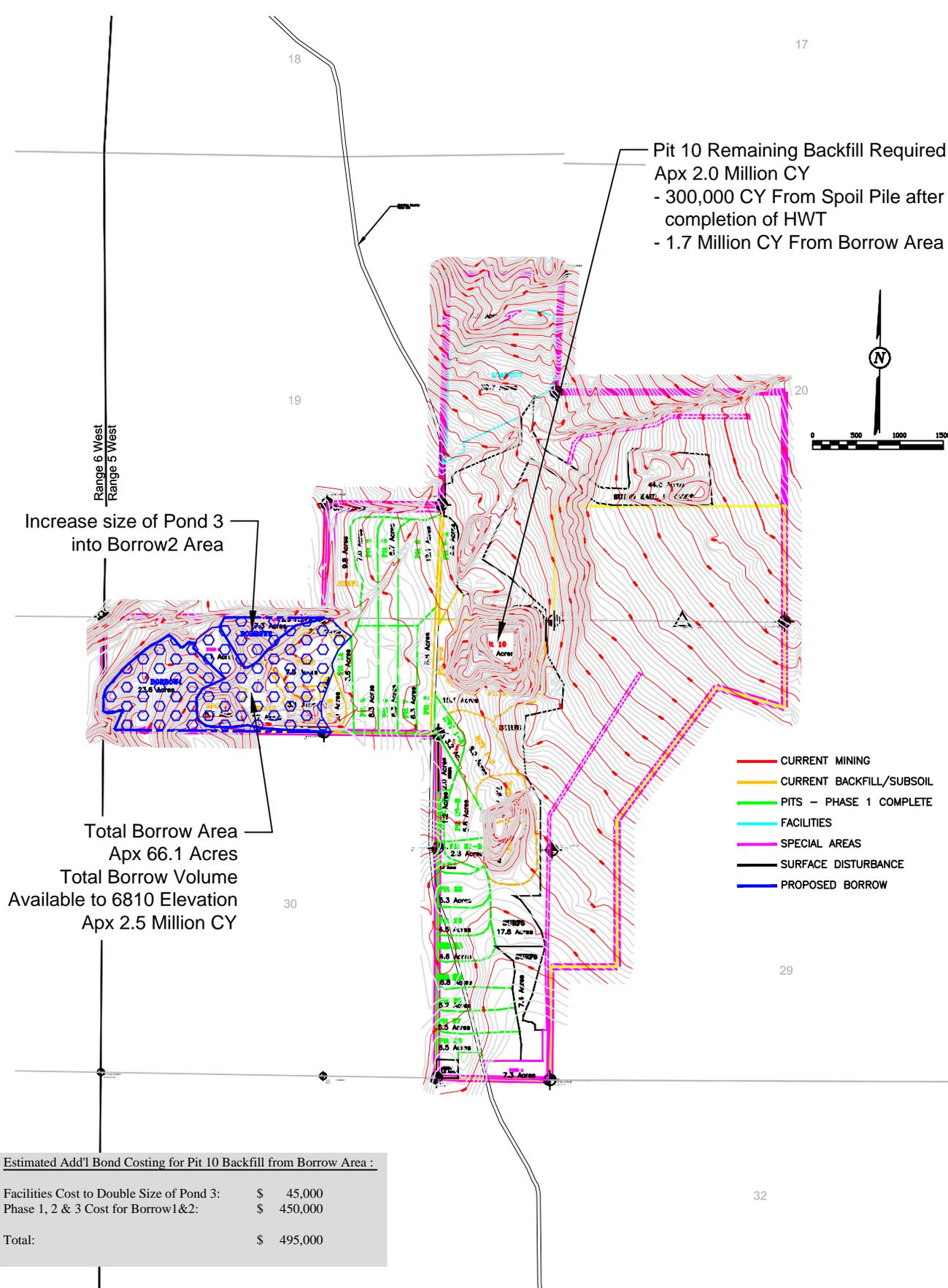
Alton Coal Development LLC (ACD) received a Citation Modification to Citation # 21164 on February 22, 2016. In response to a request in that modification, ACD provides the following plan and figure detailing a rough estimate for the location, amount, and costing of additional fill to finalize reclamation for the Pit 10 area of the Coal Hollow Mine (CHM).

Shown on attached Figure 1 and according to survey data and a topographical model of CHM current as of February 1 2016, Pit 10 requires approximately 2.0 Million CY of backfill to meet Approximate Original Contour (AOC). Of this volume, only 300,000 CY will be available from the Excess Spoil Stockpile (Spoil 1-8) after completion of reclamation efforts in the highwall trench (HWT) and Spoil areas to AOC. As a result, it is necessary to source additional fill for the remaining 1.7 Million CY. Therefore, ACD proposes sourcing additional fill material from within the Spoil areas as well as two additional borrow areas (Borrow1 and Borrow2) to a minimum elevation of 6810 feet. The proposed excavation would produce a final landform that closely matched nearby topographical features and re-established and/or maintained general drainage patterns of the pre-mining topography. ACD also proposes that the excavation would increase the size and capacity of Sediment Pond 3 to handle the increase in disturbed area. The two borrow areas would add 30.9 acres of disturbed ground for a total borrow area of approximately 66.1 acres. The total fill material available in the combined Spoil-Borrow Areas to the 6810 elevation is approximately 2.5 Million CY.

Taking the proposed changes into account, facilities bonding costs should increase approximately \$45,000 by doubling the size of Pond 3. Phase 1, 2 & 3 bonding costs for the Borrow1 and Borrow2 areas are approximately \$450,000, for a total estimated bond increase of \$495,000.

Sincerely,

Andrew Christensen
Technical Services Manager



Pit 10 Remaining Backfill Required
 Apx 2.0 Million CY
 - 300,000 CY From Spoil Pile after completion of HWT
 - 1.7 Million CY From Borrow Area

Increase size of Pond 3
 into Borrow2 Area

Total Borrow Area
 Apx 66.1 Acres
 Total Borrow Volume
 Available to 6810 Elevation
 Apx 2.5 Million CY

- CURRENT MINING
- CURRENT BACKFILL/SUBSOIL
- PITS - PHASE 1 COMPLETE
- FACILITIES
- SPECIAL AREAS
- SURFACE DISTURBANCE
- PROPOSED BORROW

Estimated Add'l Bond Costing for Pit 10 Backfill from Borrow Area :

Facilities Cost to Double Size of Pond 3:	\$ 45,000
Phase 1, 2 & 3 Cost for Borrow1&2:	\$ 450,000
Total:	\$ 495,000

Township 39 South

Contour Interval = 2'

LEGEND:

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

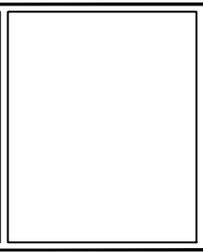
DRAWN BY: A CHRISTENSEN	CHECKED BY: DWG
DRAWING: Fig. 1	DATE: 2/26/2016
JOB NUMBER: 1400	SCALE: 1" = 500' Printed on 24" x36"
	SHEET

REVISIONS	
DATE:	BY:
X/X/XX	XX

CITATION #21164
 CONCEPT PLAN

COAL HOLLOW
 PROJECT
 ALTON, UTAH

Figure 1

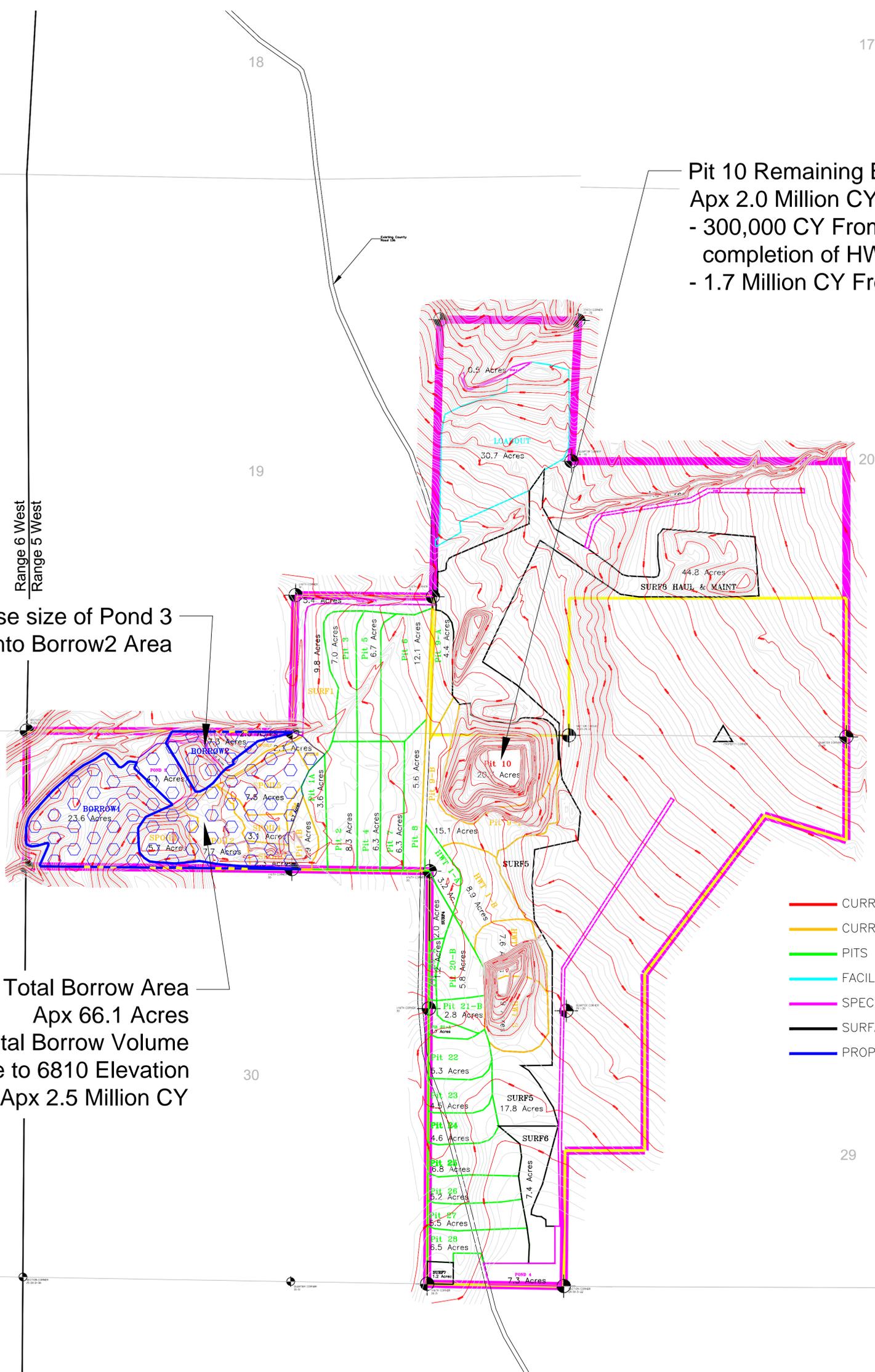


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Pit 10 Remaining Backfill Required
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 - 300,000 CY From Spoil Pile after completion of HWT
 - 1.7 Million CY From Borrow Area

Increase size of Pond 3
 into Borrow2 Area

Total Borrow Area
 Apx 66.1 Acres
 Total Borrow Volume
 Available to 6810 Elevation
 Apx 2.5 Million CY



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Township 39 South

Contour Interval = 2'

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: DWG	REVISIONS		CITATION #21164 CONCEPT PLAN	
	DRAWING: Fig. 1	DATE: 2/26/2016	DATE: X/X/XX	BY: XX		
	JOB NUMBER: 1400	SCALE: 1" = 500' Printed on 24" x36"				463 North 100 West, Suite 1 Cedar City, Utah 84721 Phone (435)867-5331 Fax (435)867-1192