**Alton Coal Development, LLC**
463 North 100 West, Suite 1
Cedar City, Utah 84720
Phone (435) 867-5311 Fax (435) 867-1192

Date: June 19, 2018

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

**Subject: 2017 Coal Mining Annual Report; Alton Coal Development LLC, Coal Hollow Mine, C/025/0005, Task 5652**

Dear Mr. Haddock,

Alton Coal Development, LLC is providing the Drawings 5-76A and 5-76B in response to task 5652 for the 2017 Coal Mining Annual Report for the Coal Hollow Mine. These drawings were intended to be updated with the NPL Open Pit Expansion but were inadvertently omitted.

Changes to the MRP associated with this report have also been uploaded to the DOGM's server for review. Upon approval, 2 (two) clean hard copies of the text for insertion into the MRP will be submitted. Please do not hesitate to contact me if you have any questions 435-691-1551.

Sincerely

B. Kirk Nicholes
Resident Agent

# APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

**Permittee:** Alton Coal Development, LLC
**Mine:** Coal Hollow Mine **Permit Number:** C/025/0005
**Title:** MRP Annual Report 2017 amendments to permit

**Description,** Include reason for application and timing required to implement:
Addition of new topsoil analysis

**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.

| B. Kirk Nicholes | Resident Agent | 03/23/2018 | B. Kirk Nicholes |
|---|---|---|---|
| Print Name | Position | Date | Signature (Right-click above choose certify then have notary sign below) |

Subscribed and sworn to before me this 23 day of March, 2018

Notary Public: Wendy Smith, state of Utah.

My commission Expires: 8-21-18
Commission Number: 679017
Address: 377 N Main
City: Cedar City State: UT Zip: 84721

ss:

WENDY SMITH
Notary Public
State of Utah
Comm. No. 679017
My Comm. Expires Aug 21, 2018

| For Office Use Only: | Assigned Tracking Number: | Received by Oil, Gas & Mining |
|---|---|---|
| | | |

Form DOGM- C1 (Revised December 10, 2007)

# APPLICATION FOR COAL PERMIT PROCESSING
## Detailed Schedule Of Changes to the Mining And Reclamation Plan

**Permittee:** Alton Coal Development, LLC
**Mine:** Coal Hollow Mine **Permit Number:** C/025/0005
**Title:** MRP Annual Report 2017 amendments to permit

Provide a detailed listing of all changes to the Mining and Reclamation Plan, which is required as a result of this proposed permit application. Individually list all maps and drawings that are added, replaced, or removed from the plan. Include changes to the table of contents, section of the plan, or other information as needed to specifically locate, identify and revise the existing Mining and Reclamation Plan. Include page, section and drawing number as part of the description.

| | | | DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED |
|---|---|---|---|
| ☐ Add | ☒ Replace | ☐ Remove | (01)Chapter 2, Appendix 2-2 (Cont.), 2016-17 Soil Analysis (Replace Appendix 2-2 (Cont.), |
| ☐ Add | ☒ Replace | ☐ Remove | (02)Chapter 5, Drawing 5-38 |
| ☐ Add | ☒ Replace | ☐ Remove | Chapter 5, Drawing 5-76A |
| ☐ Add | ☒ Replace | ☐ Remove | Chapter 5,Drawing 5-76B |
| ☐ Add | ☐ Replace | ☐ Remove | |
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| ☐ Add | ☐ Replace | ☐ Remove | |

| Any other specific or special instruction required for insertion of this proposal into the Mining and Reclamation Plan. | Received by Oil, Gas & Mining |
|---|---|
| | |

Range 6 West
Range 5 West

N

0 500 1000 1500

Township 39 South

12

7

18

13

BRP1-12 Boundary

BRP1-10 Boundary

Phase 1 indicates backfill, grading, placement of subsoil to AOC. In Permit Area 1, top 8" of Backfill to be sampled for soil suitability on a 2.5 acre grid as indicated prior to placement of subsoil. Topsoil, mulching and seeding also to occur ASAP within seasonal constraints.

Phase 2 indicates established plant growth. All haul roads, stockpiles, and non-drainage facilities removed.

Phase 3 indicates completed reclamation and acceptable drainage without erosion. All drainage facilities removed*.

* See Drawing 5-76B for Facilities Reclamation Sequence

Dashed hatching indicates area (2.9 acres) of 30" subsoil placement within BRP1-10. Remainder of area received 18" subsoil placement. Placement depths were determined by spoil sampling results as described in MRP Chapter 2.

Dashed hatching indicates area (8.8 acres) of 30" subsoil placement within BRP1-12 due to unsuitability of sampled spoil. Star-hatched area (1.2 acres) received 24" subsoil placement over the top of 6" of spoil sampled as suitable subsoil replacement.
Remainder of BRP 1-12 (6.3 acres) was live-hauled with full depth (30") of subsoil and unsampled. Placement depths were determined by spoil sampling results as described in MRP Chapter 2.

Post Mining Topography
Contour Interval = 2'

## Phase 1 Reclamation:

- 2016 Reclaim = 17.9 Acres
- 2017 Reclaim = 34.7 Acres
- 2018 Reclaim = 26.8 Acres
- 2019 Reclaim = 30.7 Acres
- 2020 Reclaim = 41.2 Acres
- 2021 Reclaim = 11.6 Acres
- 2022 Reclaim = 26.4 Acres
- 2023 Reclaim = 00.0 Acres
- 2024 Reclaim = 00.0 Acres

Total Ph. 1 Reclamation = 189.3 Acres

## Phase 2/Surface Mulch & Seeding:

- 2016 Seeding = 17.7 Acres
- 2017 Seeding = 12.3 Acres
- 2018 Seeding = 21.7 Acres
- 2019 Seeding = 29.5 Acres
- 2020 Seeding = 54.8 Acres
- 2021 Seeding = 34.3 Acres
- 2022 Seeding = 57.8 Acres
- 2023 Seeding = 5.5 Acres
- 2024 Seeding = 2.5 Acres
- Unseeded Road = 2.9 Acres

Total Ph. 2 Reclamation = 239.0 Acres

Phase 3 Reclamation to be completed and released within the 10 year timeframe from Phase 1.

LEGEND:
- PERMIT BOUNDARY
- PRIVATE COAL OWNERSHIP
- SECTION LINE
- FOUND SECTION CORNER
- FOUND PROPERTY CORNER
- BACKFILL SAMPLE PIT

| DRAWN BY: | CHECKED BY: |
|---|---|
| A. CHRISTENSEN | DWG |
| DRAWING: 5–76A | DATE: 4/16/15 |
| | SCALE: 1" = 400' |
| JOB NUMBER: 0001 | SHEET |

REVISIONS

| DATE: | BY: |
|---|---|
| 1/5/17 | AC |
| 2/2/17 | AC |
| 3/31/17 | AC |
| 5/4/17 | AC |
| 8/2/17 | AC |
| 4/6/18 | AC |
| 6/19/18 | AC |

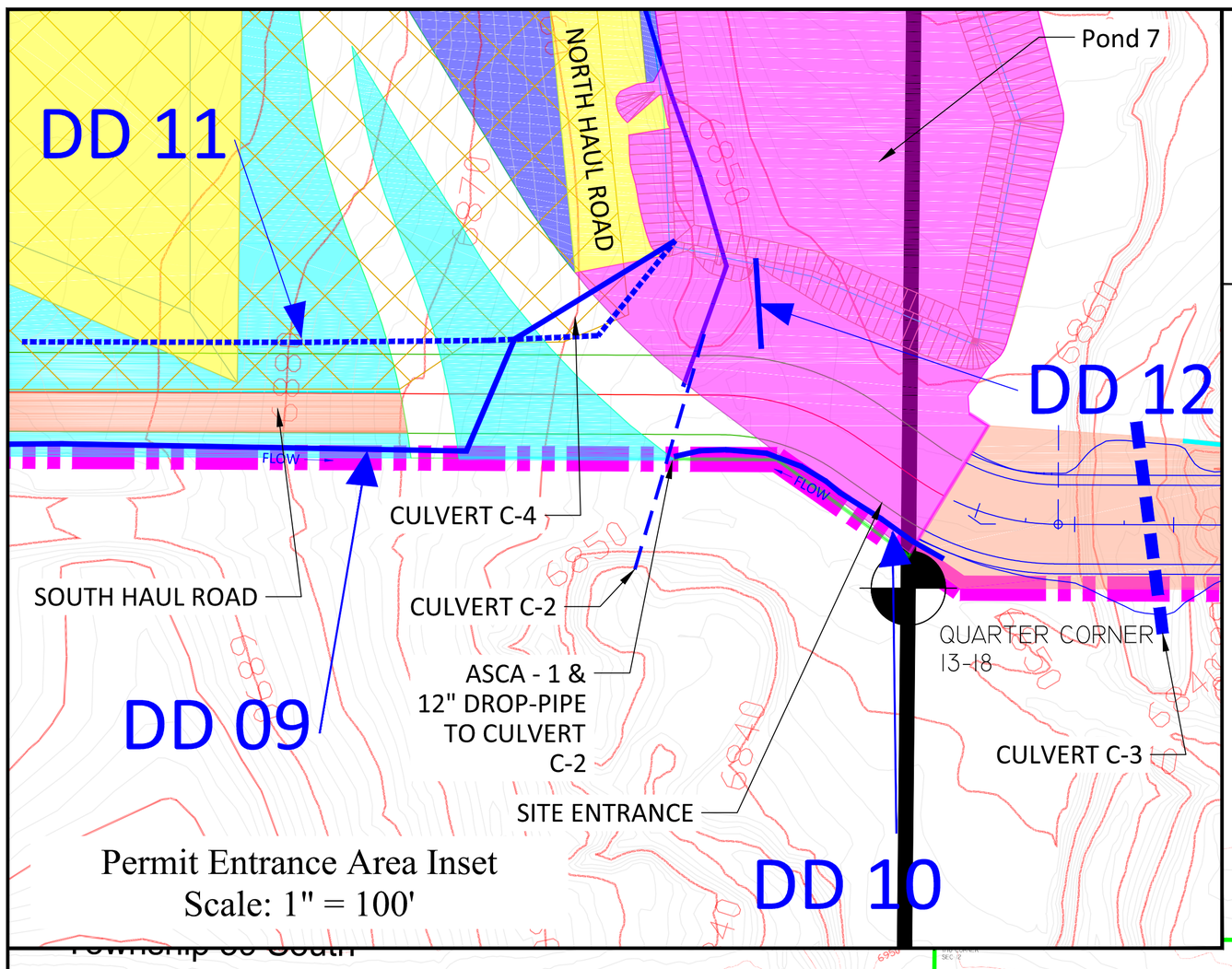
# EARTHWORKS RECLAMATION SEQUENCE

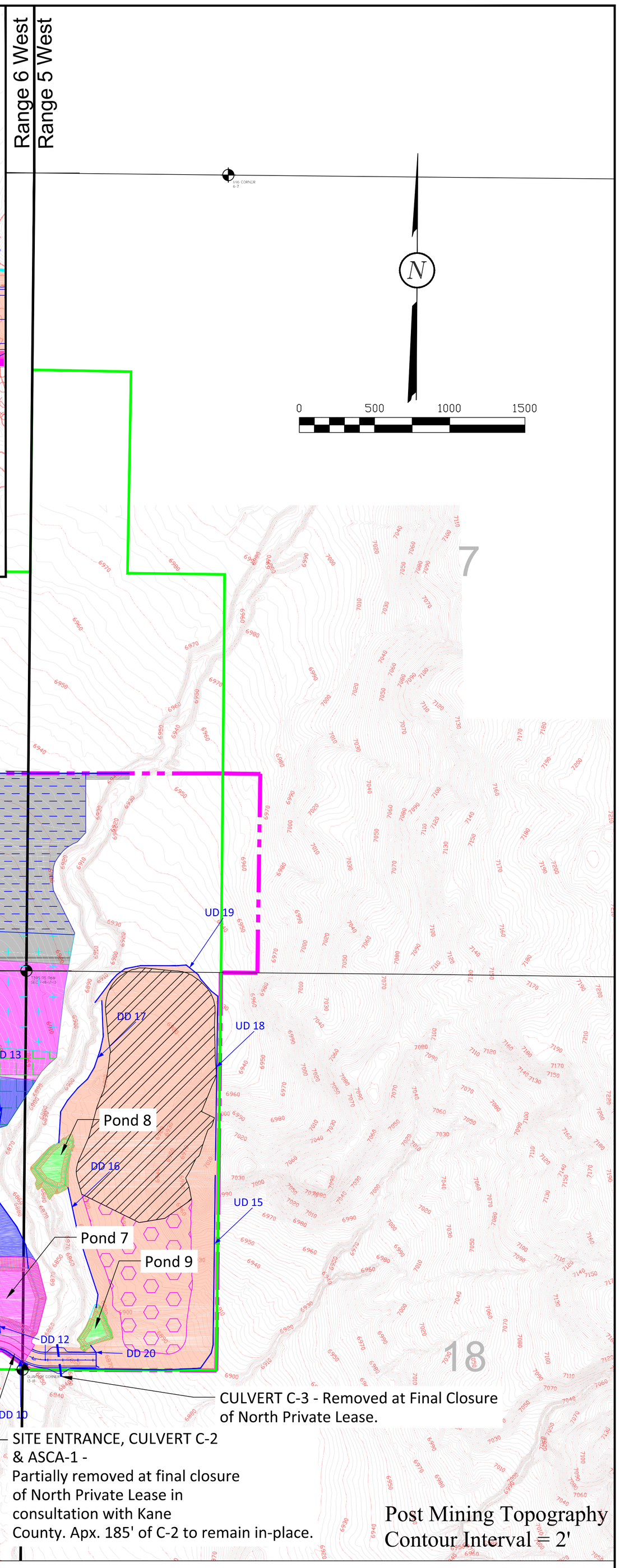
NORTH COAL HOLLOW PROJECT
ALTON, UTAH

DRAWING: 5-76A

PROFESSIONAL ENGINEER 10230818 ANDREW R. CHRISTENSEN STATE OF UTAH

Alton Coal Development
Coal Hollow Project
463 North 100 West, Suite 1
Cedar City, Utah 84721
Phone (435)867-5331
Fax (435)867-1192




NORTH HAUL ROAD - Reclaimed after completion of backfill haul to Pit 20-21 in 2020 - 2021.

TOPSOIL STOCKPILES - Rehandled to original ownership during 2020 - 2021. See Drawing 2-4.

SOIL STOCKPILES - Long term storage piles after mining of pits 3 - 7 and replacement of backfill. Piles will receive excess soils as direct placement progresses and will be placed with 3:1 side slopes and seeded for long term stability. Removed and reclaimed during final soil placement in 2021 & 2022.

SOUTH HAUL ROAD - Mined out as pits progress from west to east in 2016 - 2017. Access to ponds re-established on backfill and reclaimed with ponds.

CULVERT C-1 - Partially mined out in 2016. Reclaimed when ponds are deemed complete in Phase 3 reclamation.

CULVERT C-4 - Removed as part of North Haul Road reclamation in 2020.

CULVERT C-3 - Removed at Final Closure of North Private Lease.

SITE ENTRANCE, CULVERT C-2 & ASCA-1 - Partially removed at final closure of North Private Lease in consultation with Kane County. Apx. 185' of C-2 to remain in-place.

Post Mining Topography
Contour Interval = 2'

## Phase 1 Reclamation:

- 2016 Reclaim = 17.9 Acres
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- 2023 Seeding = 5.5 Acres
- 2024 Seeding = 2.5 Acres
- Unseeded Road = 2.9 Acres

Total Ph. 2 Reclamation = 239.0 Acres

Phase 3 Reclamation to be completed and released within the 10 year timeframe from Phase 1. **Ponds, culverts and ditches (except Area 1 extension)** to be assessed and reclaimed as Phase 3 nears completion. Area 1-A structures will be removed as mining advances.

Contour Interval = 2'

LEGEND:
- PERMIT BOUNDARY
- PRIVATE COAL OWNERSHIP
- SECTION LINE
- FOUND SECTION CORNER
- FOUND PROPERTY CORNER

| DRAWN BY: | CHECKED BY: |
|---|---|
| A. CHRISTENSEN | DWG |
| DRAWING: 5–76B | DATE: 10/12/15 |
| | SCALE: 1" = 400' |
| JOB NUMBER: 0001 | SHEET |

REVISIONS

| DATE: | BY: |
|---|---|
| 8/15/16 | AC |
| 9/7/16 | AC |
| 10/3/16 | AC |
| 3/31/16 | AC |
| 5/4/17 | AC |
| 4/6/18 | AC |
| 6/19/18 | AC |

FACILITIES RECLAMATION SEQUENCE

NORTH COAL HOLLOW PROJECT ALTON, UTAH

DRAWING: 5-76B

PROFESSIONAL ENGINEER 10230818 ANDREW R. CHRISTENSEN STATE OF UTAH

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