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## M-1987-116, Adequacy Response 2

1 message

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**Katie Todt** <katie@lewicki.biz>

Tue, Jun 11, 2024 at 2:50 PM

To: "Gibson - DNR, Amber" <amber.gibson@state.co.us>

Cc: Ben Miller <ben@lewicki.biz>, Nicole Martin <nicole@coloradoquarries.com>

Good afternoon, Amber:

Please allow the attached documents to serve as Lewicki and Associate's response on behalf of Colorado Quarries to your June 3, 2024 Adequacy Review 2. Kindly please confirm you've received the 6 attached documents and please let me know if you'd like any files as hard copies delivered via Fedex to the Division. Record of notices pertaining to this Response 2 will be forwarded to the Division shortly. Thank you for your consideration and please do not hesitate to give myself or Ben Miller a call with any questions.

Attached:

- Siskin Adequacy Response 2 240611.pdf
- Siskin Green 240604-C-1 Access Road.pdf
- Siskin Green 240604-C-2 Baseline Conditions.pdf
- Siskin Green 240604-C-3 Mining Plan.pdf
- Siskin Green 240604-C-4 Cross Sections.pdf
- Siskin Green 240604-F-1 Reclamation Plan.pdf

Cheers,

Katie Todt

Senior Consultant

Lewicki and Associates, PLLC

(314) 704-4505



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6 attachments

 **Siskin Adequacy Response 2 240611.pdf**

328K



**Siskin Green 240604-C-1 Access Road.pdf**

1264K



**Siskin Green 240604-C-2 Baseline Conditions.pdf**

692K



**Siskin Green 240604-C-3 Mining Plan.pdf**

1009K



**Siskin Green 240604-C-4 Cross Sections.pdf**

1322K



**Siskin Green 240604-F-1 Reclamation Plan.pdf**

822K

June 11, 2024

Colorado Division of Reclamation, Mining, and Safety  
1313 Sherman St, Rm 215  
Denver, CO 80203

Delivered Via Email

**RE: Siskin Pit, File No. M-1987-116, Conversion Application No. 1 (CN1), Adequacy Review 2**

Ms. Gibson:

Please accept this response on behalf of Colorado Quarries for your second adequacy review letter dated June 3, 2024.

Exhibit E:

*DRMS Original Adequacy item:*

- In Exhibit E, Section 6.4.5(2)(a) of the application, the Applicant states that the overburden at the site ranges from 0-24", with an average of 12" across the site. The Applicant then states that the majority of the site includes little to no overburden.*

*11. If the plan is to replace overburden at a depth of 8" throughout the site, please clarify where the majority of the overburden will be salvaged from. Will the Operator/Applicant be able to salvage enough overburden in the first few phases to replace the overburden at this depth in the initial reclaimed phases?*

*Applicant's Response:*

*Please refer to the revised text for the requested changes.*

*Original Text in Exhibit E 6.4.5(2)(a):*

*"Following the bulk of backfilling, overburden will be placed to a depth of 8" or greater. While the average pre- mine overburden depth is 12" across the site ( 0- 24"), **the operator requests a replacement depth of 8" or greater to account** for the majority of the site that includes little to no overburden. Recovered topsoil will be replaced to a depth of 8", the average of the pre- mine topsoil depth."*

*Revised Text in Exhibit E 6.4.5(2)(a):*

*"Following the bulk of backfilling, overburden will be placed to a depth of 8" or greater. While the average pre-mine **overburden depth is 12" across the site (0-24")**, after bulk*

***backfilling of the slopes overburden will be replaced at an average of 12". Recovered topsoil will be replaced to a depth of 8", the average of the pre-mine topsoil depth."***

1. Because the Applicant states that "the majority of the site has little to no overburden", please clarify:

- a. Where the majority of the overburden will be salvaged from and;
- b. Whether there will be enough overburden salvaged initially to allow for either 8" (original Exhibit E) or 12" (revised Exhibit E) to be replaced at either of these depths in the initial reclaimed phase, after bulk backfilling has been completed.

- A. Overburden will be salvaged from across the new disturbed areas of the site as new phases are opened. Rocky outcrop areas will have little overburden while flatter and more vegetated areas are expected to house more recoverable overburden.
- B. Based on conditions observed throughout the mine's life thus far, Colorado Quarries is confident that enough overburden will be salvageable throughout the site to reclaim disturbed areas with a depth of 8" of overburden. Please consider an 8" overburden replacement depth as standard for the site.

Exhibit L:

- In Exhibit L, seeding and mulching is described under the revegetation task. However, information regarding the type and quantity of mulch is not provided. states that the "worst-case scenario" is presently based on mining and reclamation for the extent of Phase 1.
2. Please provide the Division with information regarding the type of mulch to be used, and in what quantity.

Straw will be used as much as a rate of 1.0 tons/acre.

Exhibit S:

- Fences have been added to Maps C-1 through C-4 and F-1.

3. Please add the symbol for fencing in the legend on Maps C-1 through C-4, and Map F-1.

Please see the attached and revised maps.

Publication Requirements:

*27. Please remember that pursuant to Rule 1.6.2(1)(c), any changes or additions to the application on file in our office must also be reflected in the public review copy which was placed with the Las Animas County Clerk and Recorder. Pursuant to Rule 6.4.18, you must provide our office with an affidavit or receipt indicating the date this was done.*

Proof of submittal of both the first and second Adequacy Responses to the Custer County Clerk and Recorder will be forwarded to Division staff in the days following the responses submittal to the Division.

Please feel free to contact me with any questions.

Regards,

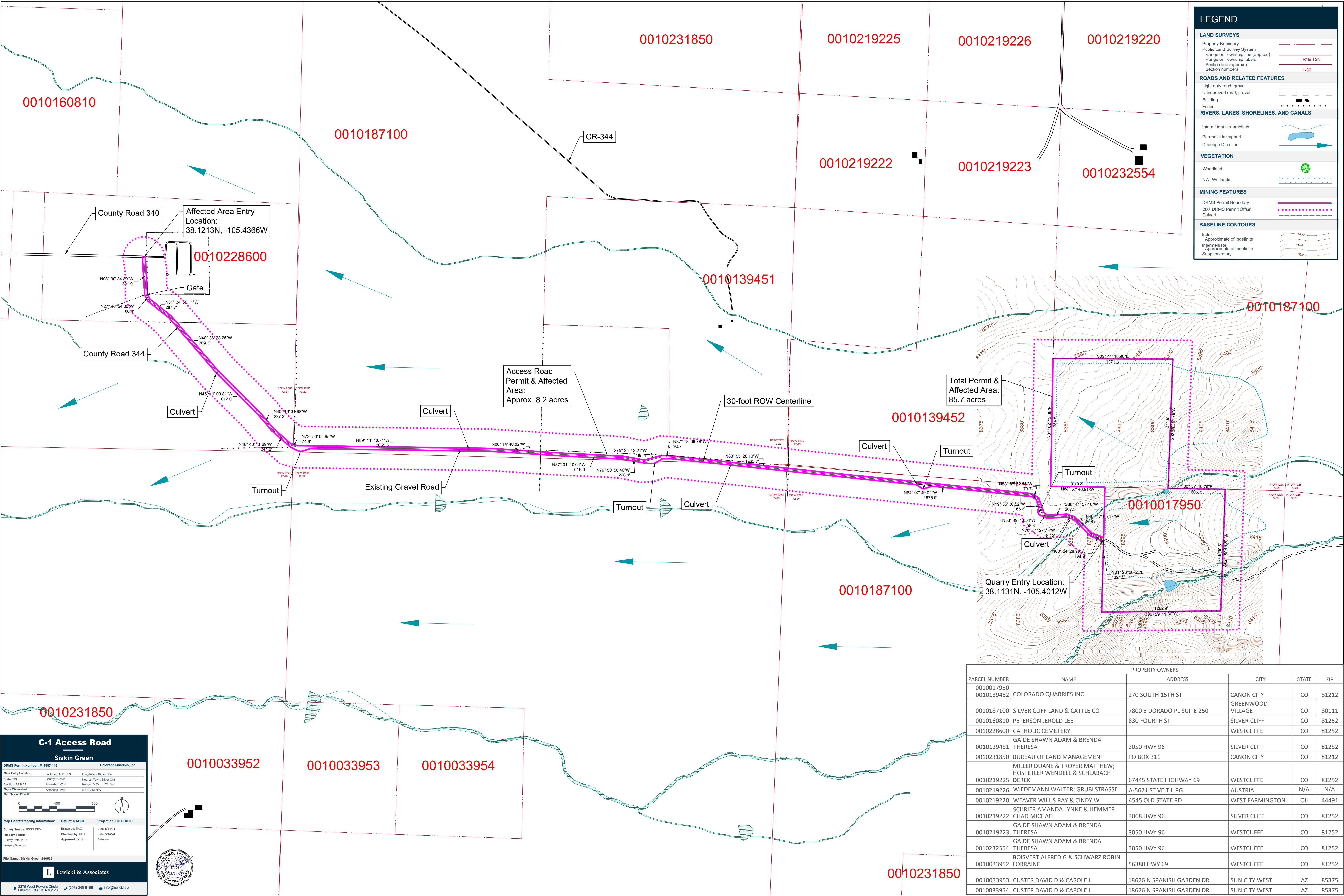


Ben Miller  
Lewicki & Associates, PLLC  
(303) 346-5196  
[ben@lewicki.biz](mailto:ben@lewicki.biz)

**Attachments**

- Siskin Green 240604-C-1 Access Road.pdf
- Siskin Green 240604-C-2 Baseline Conditions.pdf
- Siskin Green 240604-C-3 Mining Plan.pdf
- Siskin Green 240604-C-4 Cross Sections.pdf
- Siskin Green 240604-F-1 Reclamation Plan.pdf





LEGEND

LAND SURVEYS

Property Boundary

Public Land Survey System

Range or Township line (approx.)

Range or Township labels

Section line (approx.)

Section numbers

—

—

—

—

—

—

R1E T2N

1-36

ROADS AND RELATED FEATURES

Light duty road, gravel

Unimproved road, gravel

Building

Fence

—

—

—

—

RIVERS, LAKES, SHORELINES, AND CANALS

Intermittent stream/ditch

Perennial lake/pond

Drainage Direction

—

—

—

VEGETATION

Woodland

NWI Wetlands

—

—

MINING FEATURES

DRMS Permit Boundary

200' DRMS Permit Offset

Culvert

—

—

—

BASELINE CONTOURS

Index

Approximate of indefinite

Intermediate

Approximate of indefinite

Supplementary

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C-1 Access Road

Siskin Green

DRMS Permit Number: M-1987-115

Colorado Quarries, Inc.

Mine Entry Location:

Latitude: 38.1131 N

Longitude: -105.4012W

State: CO

County: Custer

Nearest Town: Silver Cliff

Section: 26 & 23

Township: 22 S

Range: 72 W

PM: 6th

Major Watershed:

Arkansas River

MSHA ID: N/A

Map Scale: 1"=400'

0

400

800

Map Georeferencing Information:

Datum: NAD83

Projection: CO SOUTH

Survey Source: USGS DEM

Drawn by: SAC

Date: 5/14/24

Imagery Source: —

Checked by: MKT

Date: 5/14/24

Survey Date: 2021

Approved by: BEL

Date: —

Imagery Date: —

File Name: Siskin Green 240523

Lewicki & Associates

3375 West Powers Circle

Litellon, CO USA 80123

(303)-346-5196

info@lewicki.biz

PROPERTY OWNERS					
PARCEL NUMBER	NAME	ADDRESS	CITY	STATE	ZIP
0010017950	COLORADO QUARRIES INC	270 SOUTH 15TH ST	CANON CITY	CO	81212
0010139452					
0010187100	SILVER CLIFF LAND & CATTLE CO	7800 E DORADO PL SUITE 250	GREENWOOD VILLAGE	CO	80111
0010160810	PETERSON JEROLD LEE	830 FOURTH ST	SILVER CLIFF	CO	81252
0010228600	CATHOLIC CEMETERY		WESTCLIFFE	CO	81252
0010139451	GAIDE SHAWN ADAM & BRENDA THERESA	3050 HWY 96	SILVER CLIFF	CO	81252
0010231850	BUREAU OF LAND MANAGEMENT	PO BOX 311	CANON CITY	CO	81212
0010219225	MILLER DUANE & TROYER MATTHEW; HOSTETLER WENDELL & SCHLABACH DEREK	67445 STATE HIGHWAY 69	WESTCLIFFE	CO	81252
0010219226	WIEDEMANN WALTER; GRUBLSTRASSE	A-5621 ST VEIT I. PG.	AUSTRIA	N/A	N/A
0010219220	WEAVER WILLIS RAY & CINDY W	4545 OLD STATE RD	WEST FARMINGTON	OH	44491
0010219222	SCHRIER AMANDA LYNNE & HEMMER CHAD MICHAEL	3068 HWY 96	SILVER CLIFF	CO	81252
0010219223	GAIDE SHAWN ADAM & BRENDA THERESA	3050 HWY 96	WESTCLIFFE	CO	81252
0010232554	GAIDE SHAWN ADAM & BRENDA THERESA	3050 HWY 96	WESTCLIFFE	CO	81252
0010033952	BOISVERT ALFRED G & SCHWARZ ROBIN LORRAINE	56380 HWY 69	WESTCLIFFE	CO	81252
0010033953	CUSTER DAVID D & CAROLE J	18626 N SPANISH GARDEN DR	SUN CITY WEST	AZ	85375
0010033954	CUSTER DAVID D & CAROLE J	18626 N SPANISH GARDEN DR	SUN CITY WEST	AZ	85375



LEGEND

LAND SURVEYS

Property Boundary

Public Land Survey System

Range or Township line (approx.)

Range or Township labels

Section line (approx.)

Section numbers

R1E T2N

1-36

ROADS AND RELATED FEATURES

Light duty road, gravel

Unimproved road, gravel

Building

Fence

RIVERS, LAKES, SHORELINES, AND CANALS

Intermittent stream/ditch

Perennial lake/pond

Drainage Direction

VEGETATION

Woodland

NWI Wetlands

MINING FEATURES

DRMS Permit Boundary

200' DRMS Permit Offset

Culvert

BASELINE CONTOURS

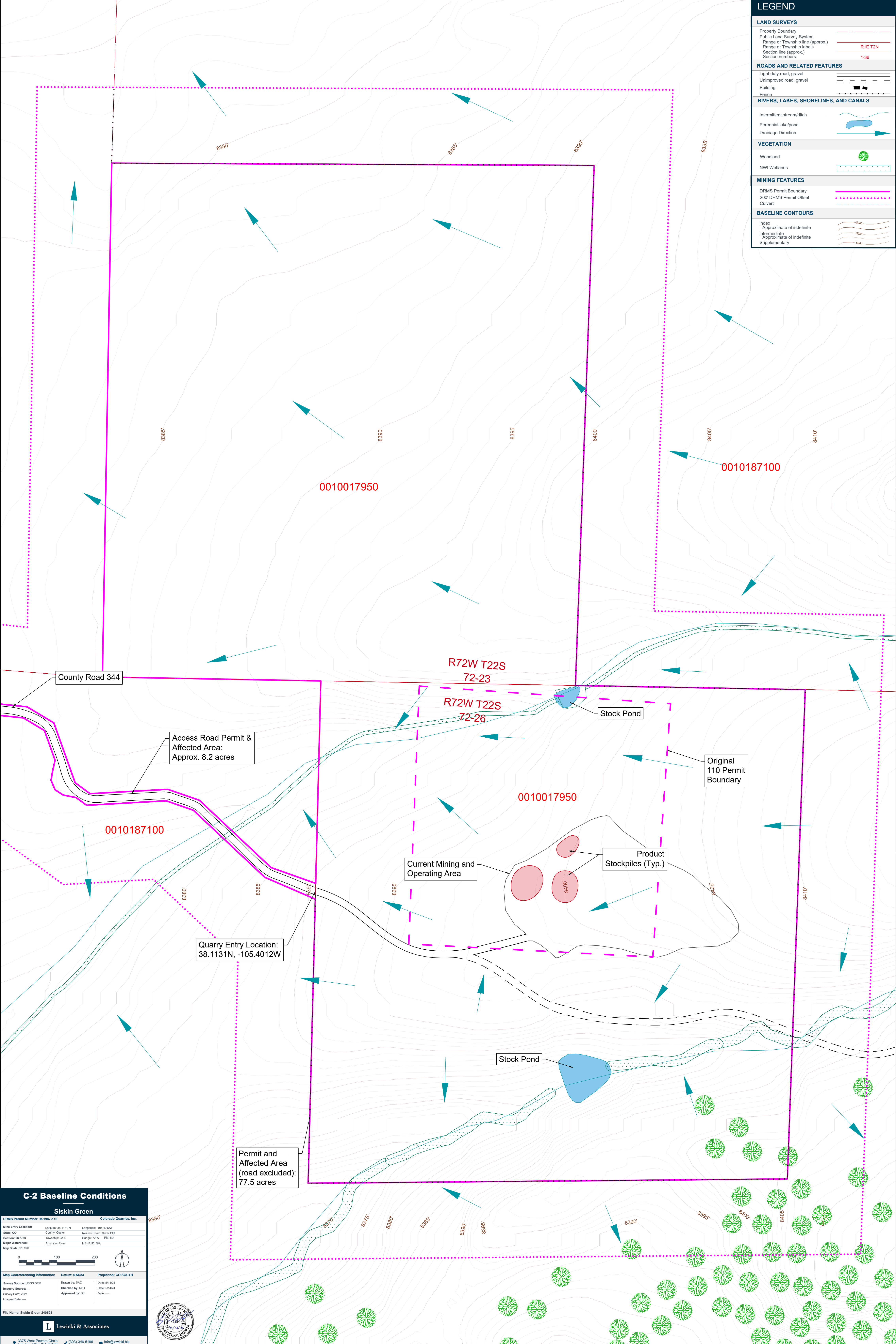
Index

Approximate of indefinite

Intermediate

Approximate of indefinite

Supplementary



C-2 Baseline Conditions

Siskin Green

DRMS Permit Number: M-1987-116

Colorado Quarries, Inc.

Quarry Entry Location:

Latitude: 38.1131 N

Longitude: -105.4012W

State: CO

County: Custer

Nearest Town: Silver Cliff

Section: 26 & 23

Township: 22 S

Range: 72 W - PM, 66'

Major Watershed:

Arkansas River

MSHA ID: N/A

Map Scale: 1"=100'

0

100

200

Map Georeferencing Information:

Datum: NAD83

Projection: CO SOUTH

Survey Source: USGS DEM

Drawn by: SAC

Date: 5/14/24

Imagery Source: ---

Checked by: MKT

Date: 5/14/24

Survey Date: 2021

Approved by: BEL

Date: ---

Imagery Date: ---

File Name: Siskin Green 240823

L

Lewicki & Associates

3375 West Powers Circle

Littleton, CO USA 80123

(303)-346-6196

info@lewicki.biz

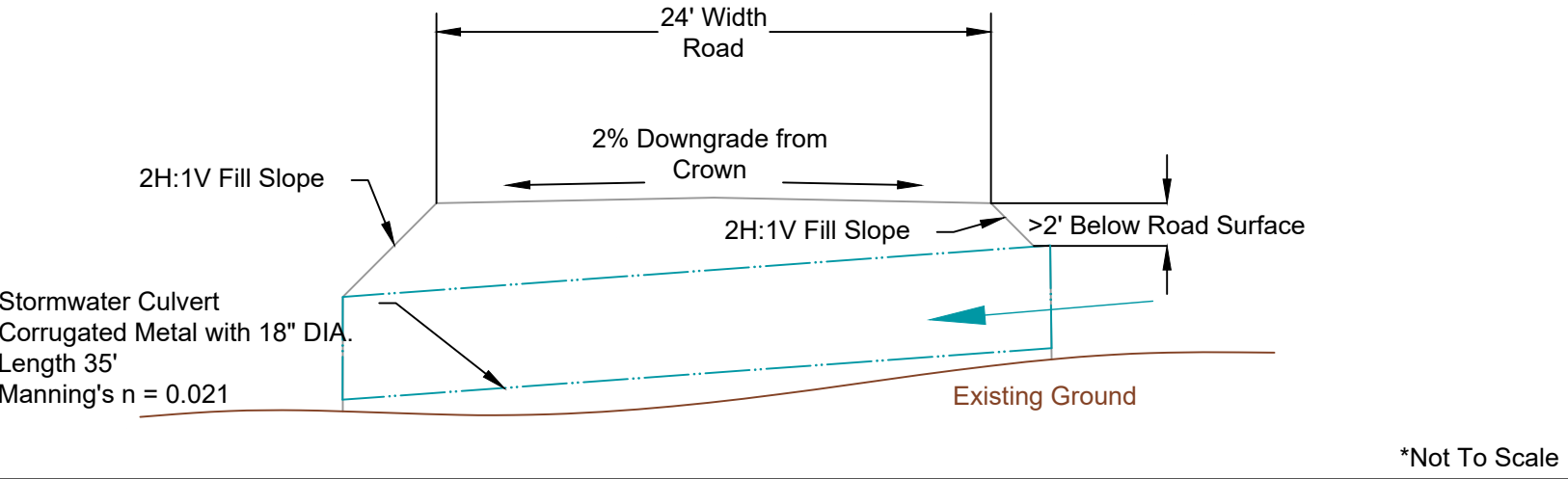
SEAL OF THE STATE OF COLORADO

OFFICE OF THE SECRETARY OF STATE

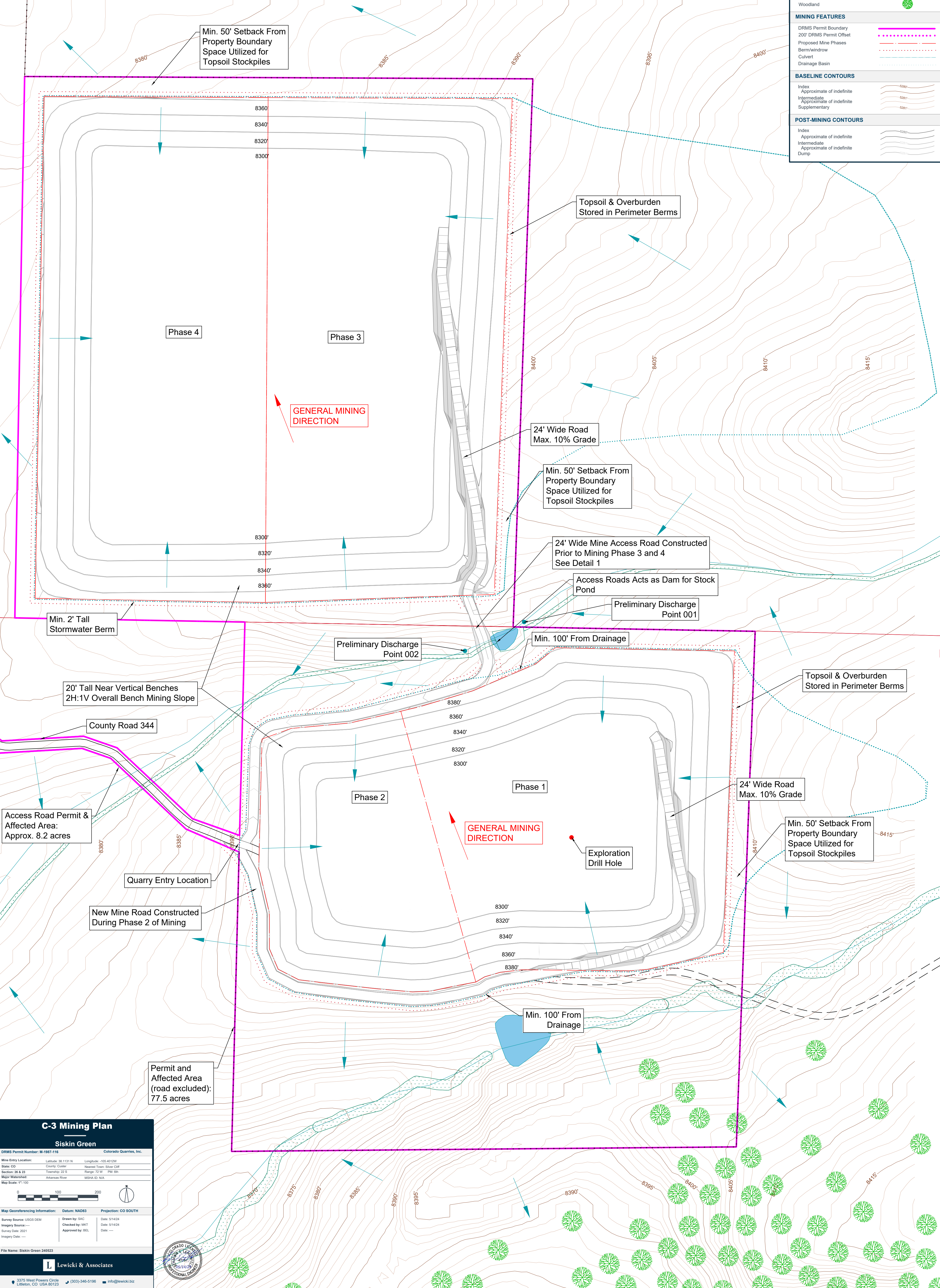
4/15/24

NOTARIAL PUBLIC





LEGEND	
BOUNDARIES	
Property Boundary	---
ROADS AND RELATED FEATURES	
Light duty road, gravel	---
Unimproved road, gravel	---
Fence	---
RIVERS, LAKES, SHORELINES, AND CANALS	
Intermittent stream/ditch	---
Perennial lake/pond	---
Surface Water Flow Direction	---
VEGETATION	
Woodland	---
MINING FEATURES	
DRMS Permit Boundary	---
200' DRMS Permit Offset	---
Proposed Mine Phases	---
Berm/windrow	---
Culvert	---
Drainage Basin	---
BASELINE CONTOURS	
Index	---
Approximate of indefinite	---
Intermediate	---
Approximate of indefinite	---
Supplementary	---
POST-MINING CONTOURS	
Index	---
Approximate of indefinite	---
Intermediate	---
Approximate of indefinite	---
Dump	---



C-3 Mining Plan

Siskin Green

DRMS Permit Number: M-1987-116

Colorado Quarries, Inc.

Mine Entry Location: Latitude: 38.1131 N Longitude: -105.4012W

State: CO County: Custer Nearest Town: Silver Cliff

Section: 26 & 23 Township: 22 S Range: 72 W PM: 6th

Major Watershed: Arkansas River MSHA ID: N/A

Map Scale: 1"=100'

0 100 200

Map Georeferencing Information: Datum: NAD83 Projection: CO SOUTH

Survey Source: USGS DEM Drawn by: SAC Date: 5/14/2014

Imagery Source: --- Checked by: MKT Date: 5/14/2014

Survey Date: 2021 Approved by: BEL Date: ---

Imagery Date: ---

File Name: Siskin Green 240523

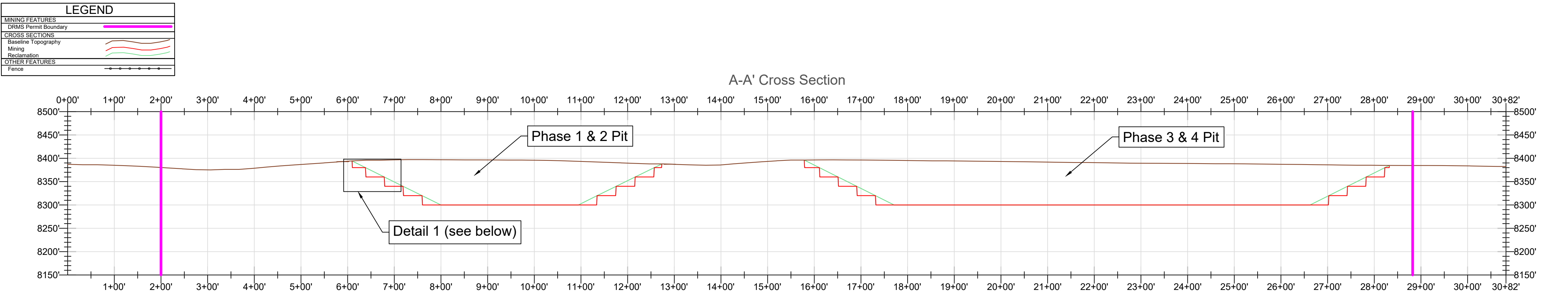
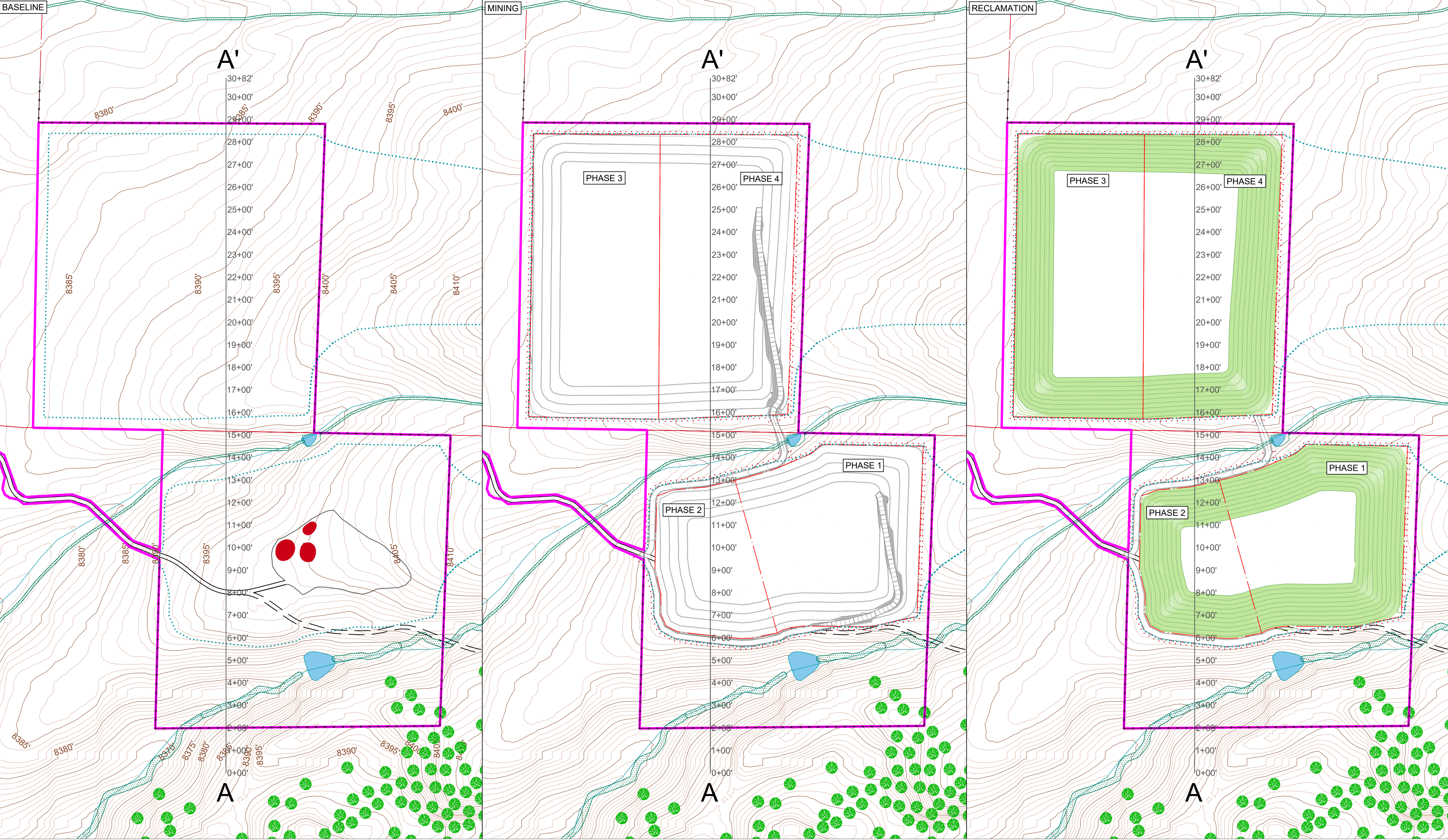
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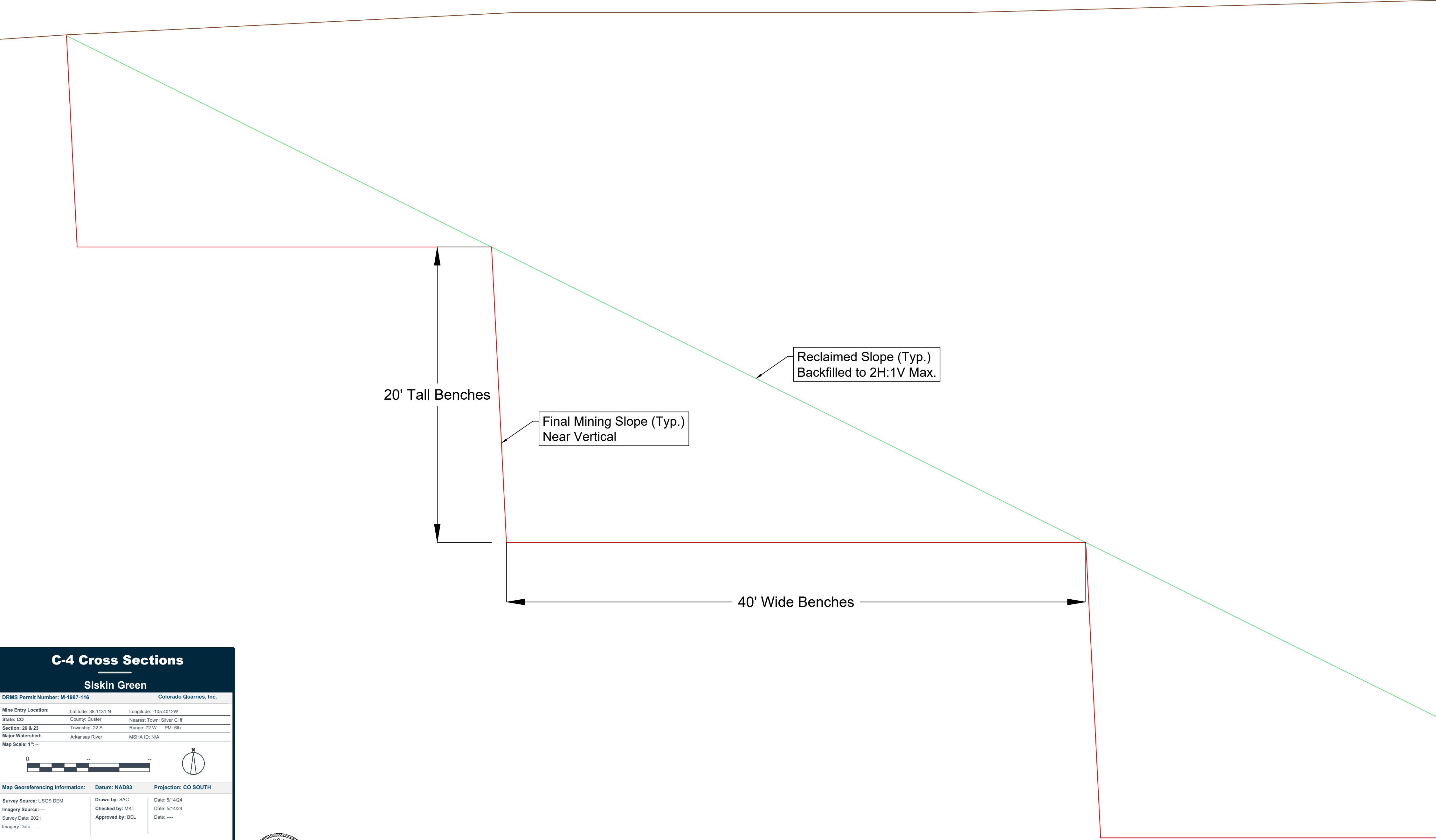
(303)-346-5196

info@lewicki.biz





DETAIL 1



C-4 Cross Sections

Siskin Green

DRMS Permit Number: M-1807-116

Colorado Quarries, Inc.

Mine Entry Location:

Latitude: 38.1131 N

Longitude: -105.4012W

State: CO

County: Chouteau

Nearest Town: Silver Cliff

Section: 28 & 23

Township: 22 S

Range: 72 W

PM: 6th

Major Watershed:

Arkansas River

MSHA ID: N/A

Map Scale: 1" =

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81700

81800

81900

82000

82100

82200

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83400

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LEGEND

BOUNDARIES

Property Boundary

ROADS AND RELATED FEATURES

Light duty road, gravel

Unimproved road, gravel

Fence

RIVERS, LAKES, SHORELINES, AND CANALS

Intermittent stream/ditch

Perennial lake/pond

Surface Water Flow Direction

VEGETATION

Woodland

MINING FEATURES

DRMS Permit Boundary

200' DRMS Permit Offset

Proposed Mine Phases

Berm/windrow

Culvert

Drainage Basin

BASELINE CONTOURS

Index

Approximate of indefinite

Intermediate

Approximate of indefinite

Supplementary

POST-RECLAMATION CONTOURS

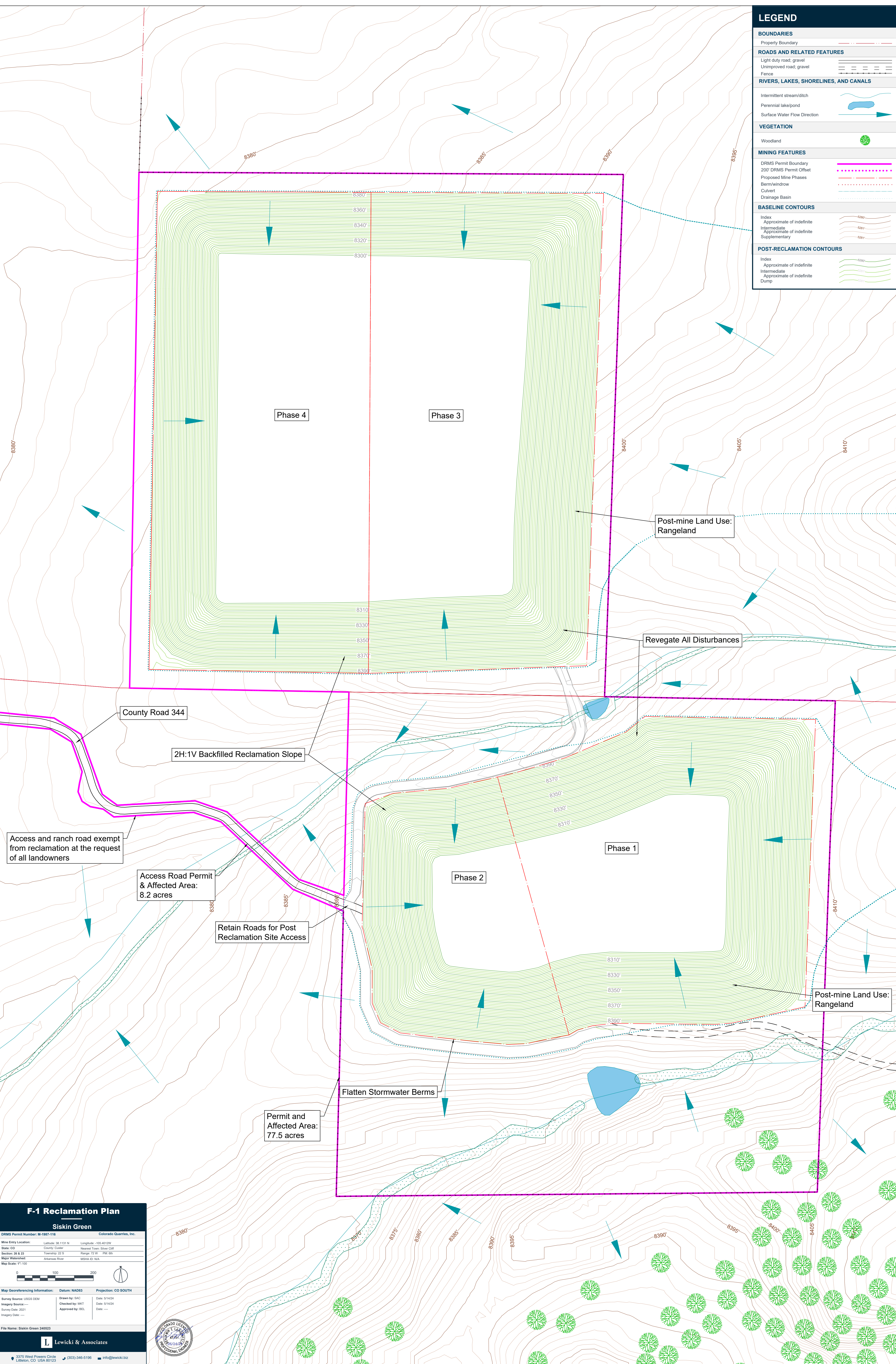
Index

Approximate of indefinite

Intermediate

Approximate of indefinite

Dump



F-1 Reclamation Plan

Siskin Green

DRMS Permit Number: M-1987-116

Colorado Quarries, Inc.

Mine Entry Location:

Latitude: 38.1131 N

Longitude: -105.4012W

State: CO

County: Custer

Nearest Town: Silver Cliff

Section: 26 & 23

Township: 22 S

Range: 72 W

PM: 6th

Major Watershed: Arkansas River

MSHA ID: N/A

Map Scale: 1"=100'

0 100 200

Map Georeferencing Information:

Datum: NAD83

Projection: CO SOUTH

Survey Source: USGS DEM

Drawn by: SAC

Date: 5/14/24

Imagery Source: ---

Checked by: MKT

Date: 5/14/24

Survey Date: 2021

Approved by: BEL

Date: ---

Imagery Date: ---

File Name: Siskin Green 240523

Lewicki & Associates

3375 West Powers Circle

Littleton, CO USA 80123

(303)-346-5196

info@lewicki.biz