



2273 River Road
Grand Junction, CO 81505
(970) 243-4900

210 Road 390
Farmington, NM 87401
(505) 324-3900

14802 W. 44th Ave
Golden, CO 80403
(303) 279-6611

www.united-gj.com
www.fourcornersmaterials.com

September 11, 2025

Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO. 80203
Attn: Jocelyn Carter

Re: Incompleteness Response to Transfer of Permit and
Succession of Operators for Boone-Fillmore Pit, Permit No. M-1990-144

Dear Ms. Carter,

In response to your letter dated July 10, 2025, regarding our application to transfer Mineral Permit M-1990-144 from Fremont Paving & Redi-Mix, Inc. to Oldcastle SW Group, Inc. dba United Companies. We appreciate your review and are working diligently to provide the remaining documentation. Please find below a summary for the requested items:

1. **Application Form:** We have updated the Administrative Information section accordingly to reflect the officially registered address for Oldcastle SW Group, Inc. dba United Companies. This revised page has been included with this communication for your review. It should be noted the mailing address for this business entity is different and contact information will be updated following approvals through e-permitting.
2. **Legal Right of Entry:** We appreciate that the previously submitted lease agreement was between the landowners and Fremont Paving & Redi-Mix, Inc. We have included a letter and supporting documents from K. Scott Voelker, Deputy General Counsel, CRH Americas Inc, as transactions counsel to Oldcastle SW Group, Inc. This document is meant to serve as a legal explanation clarifying the merger between Oldcastle SW Group, Inc. and Fremont Paving and Redi-Mix, Inc., and (certain affiliated business entities). As a result of the merger, all assets, rights, properties, leases and contractual interest of the Acquired Entities (Fremont Paving and Redi-Mix, Inc.) including permits, leases, and real property interests, became the assets and obligations of Oldcastle SW Group, Inc. by operation of law. Therefore, Oldcastle SW Group, Inc. retains the full right to operate under the existing lease agreements and no lease renewal is required to establish or maintain operational authority.
 - a. As mentioned in the Incompleteness Notice, Parcel No. 98704570 is a parcel of land for another DRMS permit Florence South Pit M-1988-093. This property is owned by Preferred Materials Inc. located in Florence, CO in Fremont County. Please see attachment B.
 - b. Attachment A: Boone-Fillmore Parcel located in Pueblo County near Boone, CO north of State Highway 96
3. **Structure Agreements:** All identified structure owners within 200 feet of the permit boundary have been contacted by letter delivered via United States Postal Service Certified Mail, in



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accordance with Rule 6.4.19. Copies of the mailings were provided with the original submittal. I have also included scans of the returned Certified Mail return receipts for the structures listed a. Colorado Ditch and b. Ron Fillmore. For those structure owners that could not be reached, an engineering analysis was performed for each structure. This satisfies Rule 6.4.149(b). As discussed with the Division representatives, a table is provided with the site, structures, structure owners and distances are to be included for each site. These distances are consistent with site specific engineer evaluation provided and demonstrate that operations shall not impact the listed structures.

4. **Affidavit of Authority:** An Affidavit signed by Brandon Pack, President of Oldcastle SW Group, Inc. dba United Companies, has been prepared and notarized for inclusion in the updated submission package. Additionally, as discussed, we have included documentation of Elected Officers who are authorized to execute agreements, contracts, documents, certificates, and other instruments for the purpose of conducting the Corporation's business. Originals copies have been mailed to Sara Stevenson-Benn and copies of mailings and documents are included with this package.

All original financial statements have been mailed to Sara Stevenson-Benn (Certified Mail No: 9589 0710 5270 1124 7357 00) and copies will be provided in the submission packet. If any adjustments are necessary or additional clarification is required, please do not hesitate to contact us. Thank you for your guidance and support throughout this transition process.

Thank you,

Sara Weimer
EHS
Oldcastle SW Group, Inc.



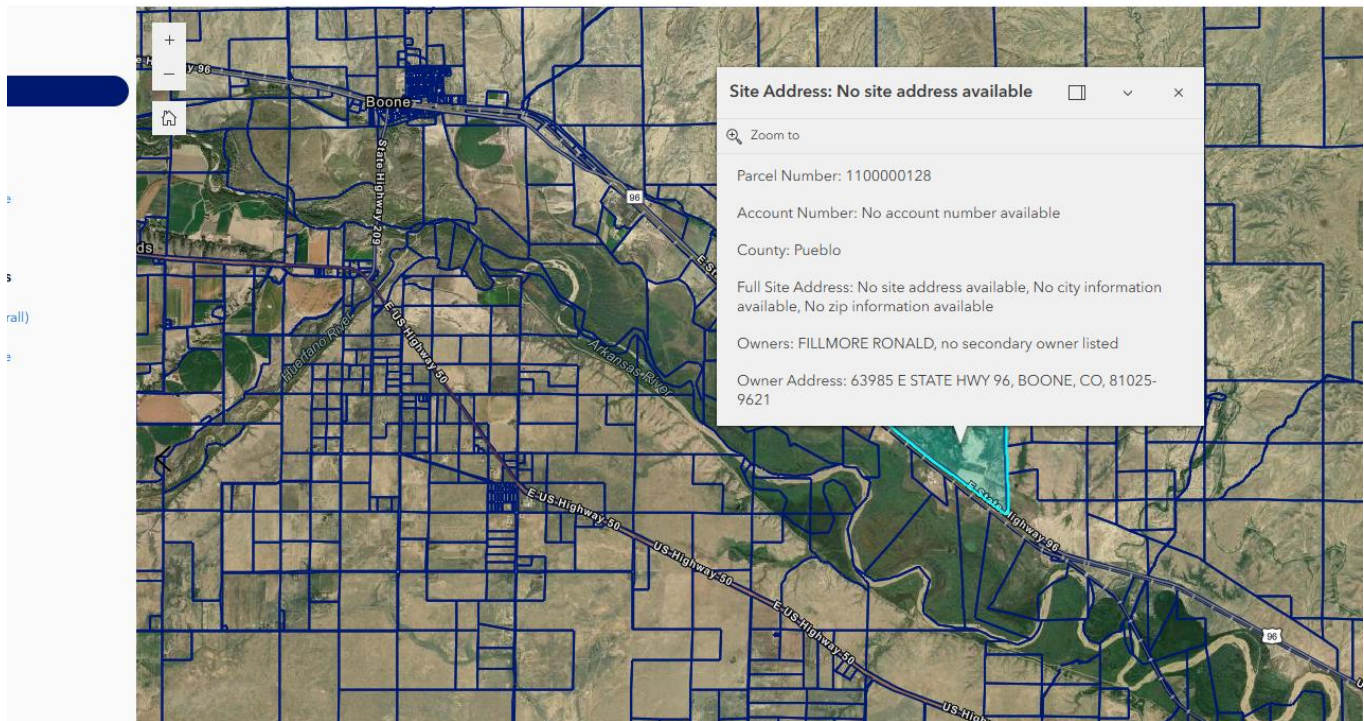
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Colorado Public Parcels and Addresses



Attachment A

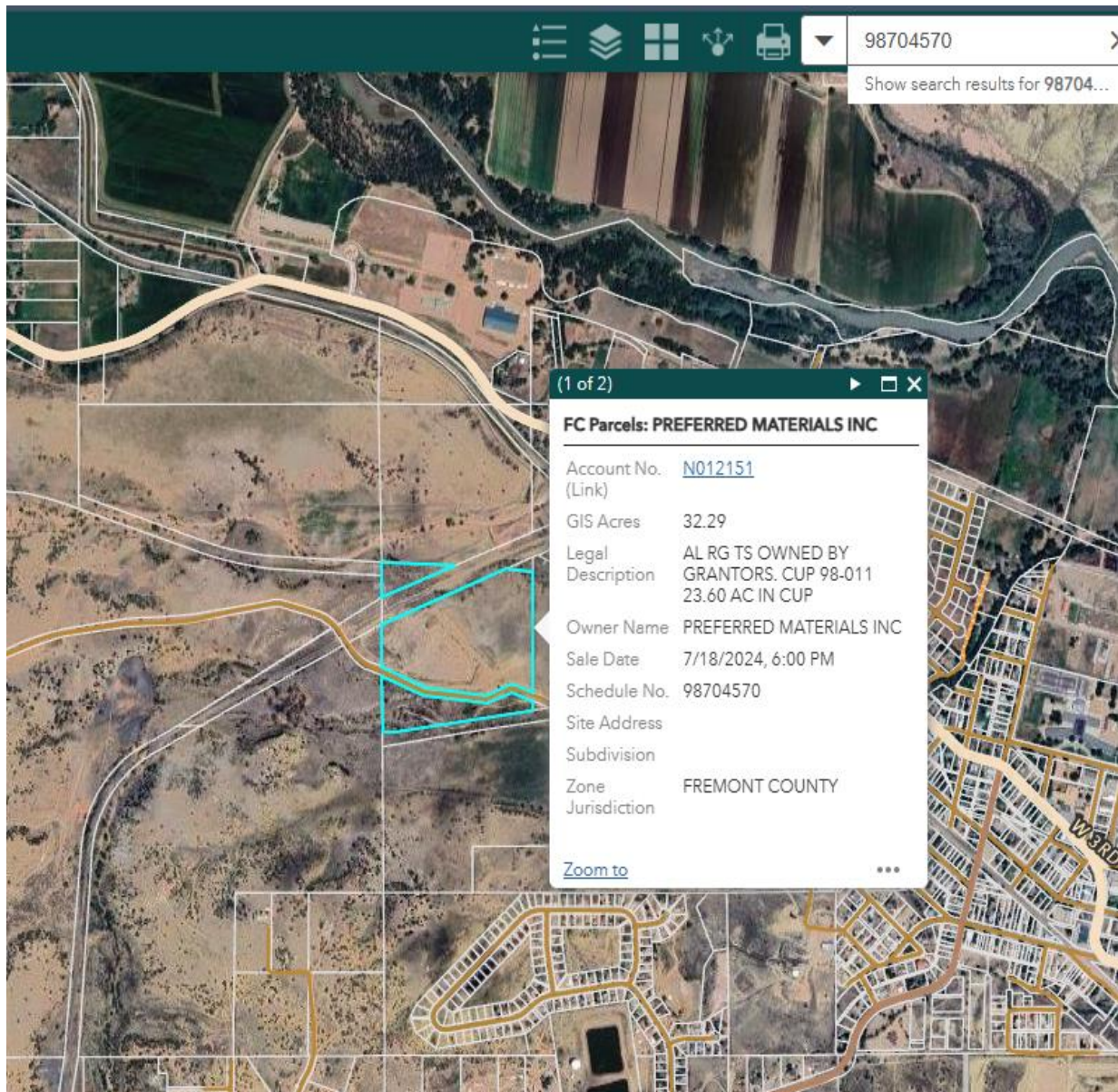


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Attachment B

STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY

Department of Natural Resources

1313 Sherman St., Room 215

Denver, Colorado 80203

Phone: (303) 866-3567

FAX: (303) 832-8106



APPLICATION FORM FOR TRANSFER OF MINERAL PERMIT AND SUCCESSION OF OPERATORS

ADMINISTRATIVE INFORMATION

Permit Information

Permit Number: M-1990-144

Operation Name: Boone-Fillmore Pit

Permittee Information

Contact Person: Jodi Schreiber

Company Name: Fremont Paving and Redi-Mix, Inc

Street Address: 839 MacKenzie Ave.

City: Canon City

State: Colorado Zip: 81212

Phone: (719) 529-0916

Email (optional): jodi@arycorp.com

Prospective Successor Information

Contact Person: Tony Majka

Company Name: Oldcastle SW Group, Inc. dba United Companies

Street Address: 2273 River Road

City: Grand Junction

State: CO Zip: 81505

Phone: (970) 243-4900

Email (optional): tony.majka@unitedco.com

Oldcastle SW Group, Inc.
2273 River Road Grand
Junction, CO 81505

July 29, 2025

Ladies and Gentlemen:

I serve as internal transactions counsel to Oldcastle SW Group, Inc. This letter is provided to clarify the structure and outcome of a transaction (the “Transaction”) whereby Oldcastle SW Group, Inc. (“Oldcastle”) acquired Fremont Paving and Redi-Mix, Inc., a Colorado corporation, and certain affiliated business entities and subsequently merged the acquired entities with and into Oldcastle.

Prior to the Transaction, Fremont Paving and Redi-Mix, Inc. operated under several registered “doing business as” names, including (i) All Rite Paving and Redi-Mix, Inc., (ii) Ary Corporation, and (iii) Hard Rock Paving and Redi-Mix, as documented in the Statements of Trade Name filed with the Colorado Secretary of State and attached hereto as Exhibit A.

On July 19, 2024, Oldcastle acquired 100% of the stock or equity interests (as applicable) in the following companies (collectively, the “Acquired Entities”):

1. Fremont Paving and Redi-Mix, Inc., a Colorado corporation (d/b/a All Rite Paving and Redi-Mix, Inc.; d/b/a Ary Corporation; and d/b/a Hard Rock Paving and Redi-Mix)
2. A&S Construction Co., a Colorado corporation
3. Ary Brothers Trucking, Inc., a Colorado corporation
4. Crane Services of Colorado, Inc., a Colorado corporation
5. Pueblo East Phase III LLC, a Colorado limited liability company
6. Hwy 47 Investment LLC, a Colorado limited liability company

The Stock Power transfer documents and the Membership Interest Assignment documents for the Acquired Entities reflecting the transfer of the equity of the applicable corporation or limited liability company of each are attached hereto as Exhibit B and Exhibit C, respectively.

Subsequently, pursuant to the Statement of Merger filed and stamped by the Colorado Secretary of State on July 22, 2024 (attached hereto as Exhibit D), each of the Acquired Entities merged with and into Oldcastle. As a result of the merger, all assets, rights, properties, and contractual interests of the Acquired Entities, including permits, leases, and real property interests, became the assets and obligations of Oldcastle by operation of law.

We hope this letter clarifies the steps involved in the Transaction and satisfies your requests. Should you have any questions or if there is further information we can provide, please do not hesitate to contact us.

Sincerely,

K. Scott Voelker
Deputy General Counsel
CRH Americas, Inc.

EXHIBIT A

STATEMENTS OF TRADE NAME

See attached



Colorado Secretary of State
Date and Time: 04/19/2019 09:48 AM
ID Number: 20191179338
Document number: 20191330622
Amount Paid: \$10.00

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ABOVE SPACE FOR OFFICE USE ONLY

Statement of Correction of Trade Name Information
Correcting the Trade Name

filed pursuant to § 7-90-305 of the Colorado Revised Statutes (C.R.S.)

1. The entity ID number, if applicable, the trade name ID number, and the name of the person transacting business or conducting activities under the trade name are

Entity ID number (if applicable)	<u>19871465104</u> (Colorado Secretary of State ID number)
Trade name ID number	<u>20191179338</u> (Colorado Secretary of State ID number)
Name	<u>FREMONT PAVING AND REDI-MIX, INC.</u>

2. The document number of the document that is corrected and the trade name as stated in the statement of trade name are

Document number	<u>20191179338</u>
Trade name	<u>All Rite Paving and Redi-Mix</u>

3. The statement of the trade name in the document identified above is incorrect.

4. Such trade name, as corrected, is
All Rite Paving and Redi-Mix, Inc.

5. (If applicable, adopt the following statement by marking the box and include an attachment.)

☐ This document contains additional information as provided by law.

Notice:

Causing this document to be delivered to the Secretary of State for filing shall constitute the affirmation or acknowledgment of each individual causing such delivery, under penalties of perjury, that such document is such individual's act and deed, or that such individual in good faith believes such document is the act and deed of the person on whose behalf such individual is causing such document to be delivered for filing, taken in conformity with the requirements of part 3 of article 90 of title 7, C.R.S. and, if applicable, the constituent documents and the organic statutes, and that such individual in good faith believes the facts stated in such document are true and such document complies with the requirements of that Part, the constituent documents, and the organic statutes.

This perjury notice applies to each individual who causes this document to be delivered to the Secretary of State, whether or not such individual is identified in this document as one who has caused it to be delivered.

6. The true name and mailing address of the individual causing this document to be delivered for filing are

<u>Ranson</u>	<u>Richard</u>	<u>Paul</u>	
<small>(Last)</small>	<small>(First)</small>	<small>(Middle)</small>	<small>(Suffix)</small>
<u>1040 Hunters Ridge Dr</u>			
<small>(Street number and name or Post Office Box information)</small>			
<hr/>			
<u>Colorado Springs</u>	<u>CO</u>	<u>80919</u>	
<small>(City)</small>	<small>(State)</small>	<small>(Zip/Postal Code)</small>	
<u>United States</u>			
<small>(Province – if applicable)</small>		<small>(Country – if not US)</small>	

(If applicable, adopt the following statement by marking the box and include an attachment.)

☐ This document contains the true name and mailing address of one or more additional individuals causing the document to be delivered for filing.

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Colorado Secretary of State
Date and Time: 02/27/2019 09:27 AM
ID Number: 20191179338
Document number: 20191179338
Amount Paid: \$20.00

ABOVE SPACE FOR OFFICE USE ONLY

Statement of Trade Name of a Reporting Entity

filed pursuant to §7-71-103 and §7-71-107 of the Colorado Revised Statutes (C.R.S)

1. For the reporting entity delivering this statement, its ID number, true name, form of entity and the jurisdiction under the law of which it is formed are

ID Number	<u>19871465104</u> <small>(Colorado Secretary of State ID number)</small>
True name	<u>FREMONT PAVING AND REDI-MIX, INC.</u>
Form of entity	<u>Corporation</u>
Jurisdiction	<u>Colorado</u>

2. The trade name under which such entity transacts business or conducts activities or contemplates transacting business or conducting activities in this state is

All Rite Paving and Redi-Mix

3. A brief description of the kind of business transacted or activities conducted or contemplated to be transacted or conducted in this state under such trade name is

aggregate material, concrete paving

4. (If the following statement applies, adopt the statement by marking the box and include an attachment.)

☐ This document contains additional information as provided by law.

5. (Caution: Leave blank if the document does not have a delayed effective date. Stating a delayed effective date has significant legal consequences. Read instructions before entering a date.)

(If the following statement applies, adopt the statement by entering a date and, if applicable, time using the required format.)

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<u>Ranson</u>	<u>Richard</u>	<u>Paul</u>	<u></u>
<small>(Last)</small>	<small>(First)</small>	<small>(Middle)</small>	<small>(Suffix)</small>
<u>1040 Hunters Ridge Dr</u>			
<small>(Street number and name or Post Office Box information)</small>			
<hr/>			
<u>Colorado Springs</u>	<u>CO</u>	<u>80919</u>	
<small>(City)</small>	<small>(State)</small>	<small>(Postal/Zip Code)</small>	
<u></u>	<u>United States</u>		
<small>(Province – if applicable)</small>	<small>(Country – if not US)</small>		

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Colorado Secretary of State
Date and Time: 05/03/2019 03:13 PM
ID Number: 20191386394
Document number: 20191386394
Amount Paid: \$20.00

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Statement of Trade Name of a Reporting Entity

filed pursuant to §7-71-103 and §7-71-107 of the Colorado Revised Statutes (C.R.S)

1. For the reporting entity delivering this statement, its ID number, true name, form of entity and the jurisdiction under the law of which it is formed are

ID Number	<u>19871465104</u> <small>(Colorado Secretary of State ID number)</small>
True name	<u>FREMONT PAVING AND REDI-MIX, INC.</u>
Form of entity	<u>Corporation</u>
Jurisdiction	<u>Colorado</u>

2. The trade name under which such entity transacts business or conducts activities or contemplates transacting business or conducting activities in this state is

Ary Corporation

3. A brief description of the kind of business transacted or activities conducted or contemplated to be transacted or conducted in this state under such trade name is

Heavy civil construction

4. (If the following statement applies, adopt the statement by marking the box and include an attachment.)

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6. The true name and mailing address of the individual causing this document to be delivered for filing are

<u>Ary</u>	<u>Joshua</u>	<u>Paul</u>	<u></u>
<small>(Last)</small>	<small>(First)</small>	<small>(Middle)</small>	<small>(Suffix)</small>
<u>839 MacKenzie Ave</u>			
<small>(Street number and name or Post Office Box information)</small>			
<hr/>			
<u>Canon City</u>	<u>CO</u>	<u>81212</u>	
<small>(City)</small>	<small>(State)</small>	<small>(Postal/Zip Code)</small>	
<u></u>	<u>United States</u>		
<small>(Province – if applicable)</small>	<small>(Country – if not US)</small>		

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Date and Time: 02/27/2019 09:07 AM
ID Number: 20191179198
Document number: 20191179198
Amount Paid: \$20.00

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Statement of Trade Name of a Reporting Entity

filed pursuant to §7-71-103 and §7-71-107 of the Colorado Revised Statutes (C.R.S)

1. For the reporting entity delivering this statement, its ID number, true name, form of entity and the jurisdiction under the law of which it is formed are

ID Number	<u>19871465104</u> <small>(Colorado Secretary of State ID number)</small>
True name	<u>FREMONT PAVING AND REDI-MIX, INC.</u>
Form of entity	<u>Corporation</u>
Jurisdiction	<u>Colorado</u>

2. The trade name under which such entity transacts business or conducts activities or contemplates transacting business or conducting activities in this state is

Hard Rock Paving and Redi-Mix

3. A brief description of the kind of business transacted or activities conducted or contemplated to be transacted or conducted in this state under such trade name is

aggregate material, concrete paving

4. (If the following statement applies, adopt the statement by marking the box and include an attachment.)

☐ This document contains additional information as provided by law.

5. (Caution: Leave blank if the document does not have a delayed effective date. Stating a delayed effective date has significant legal consequences. Read instructions before entering a date.)

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<u>Colorado Springs</u>	<u>CO</u>	<u>80919</u>	
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<u></u>	<u>United States</u>		
<small>(Province – if applicable)</small>	<small>(Country – if not US)</small>		

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EXHIBIT B

STOCK POWER

TRANSFER DOCUMENTS

See attached

STOCK POWER

July 19, 2024

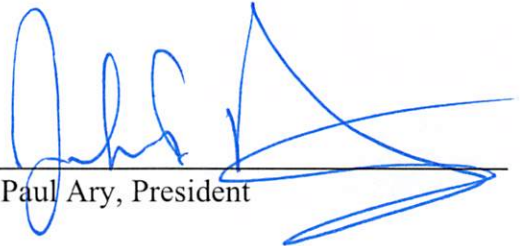
FOR VALUE RECEIVED, the undersigned hereby irrevocably assigns and transfers unto Oldcastle SW Group, Inc., a Colorado corporation ("Purchaser"), 127,500 voting shares of common stock of Fremont Paving and Redi-Mix, Inc., a Colorado corporation (the "Company"), standing in the name of the undersigned on the books of the Company represented by Certificate No. 7, together with all rights and benefits appurtenant thereto (the "Shares"). The undersigned hereby irrevocably constitutes and appoints any authorized officer of Purchaser as attorney-in-fact to transfer the Shares on the books of the Company with full power and substitution in the premises.

[Signature Page Follows]

IN WITNESS WHEREOF, this Stock Power is executed effective as of the date first written above.

FRE HOLDINGS, INC.,

a Colorado corporation

A handwritten signature in blue ink, appearing to read 'John Paul Ary', is written over a horizontal line. The signature is stylized with large loops and a long, sweeping tail that extends to the right.

John Paul Ary, President

STOCK POWER

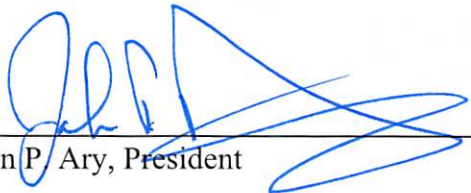
July 19, 2024

FOR VALUE RECEIVED, the undersigned hereby irrevocably assigns and transfers unto Oldcastle SW Group, Inc., a Colorado corporation ("Purchaser"), 122,500 nonvoting shares of common stock of Fremont Paving and Redi-Mix, Inc., a Colorado corporation (the "Company"), standing in the name of the undersigned on the books of the Company represented by Certificate No. 8, together with all rights and benefits appurtenant thereto (the "Shares"). The undersigned hereby irrevocably constitutes and appoints any authorized officer of Company as attorney-in-fact to transfer the Shares on the books of the Company with full power and substitution in the premises.

[Signature Page Follows]

IN WITNESS WHEREOF, this Stock Power is executed effective as of the date first written above.

FRE HOLDINGS, INC.,
a Colorado corporation



John P. Ary, President

STOCK POWER

July 19, 2024

FOR VALUE RECEIVED, the undersigned hereby irrevocably assigns and transfers unto Oldcastle SW Group, Inc., a Colorado corporation ("Purchaser"), 97,960 voting shares of common stock of Ary Brothers Trucking, Inc., a Colorado corporation (the "Company"), standing in the name of the undersigned on the books of the Company represented by Certificate No. 17, together with all rights and benefits appurtenant thereto (the "Shares"). The undersigned hereby irrevocably constitutes and appoints any authorized officer of Purchaser as attorney-in-fact to transfer the Shares on the books of the Company with full power and substitution in the premises.

[Signature Page Follows]

IN WITNESS WHEREOF, this Stock Power is executed effective as of the date first written above.

ABT HOLDINGS, INC.,
a Colorado corporation



John Paul Ary, President

STOCK POWER

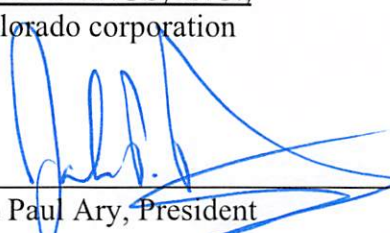
July 19, 2024

FOR VALUE RECEIVED, the undersigned hereby irrevocably assigns and transfers unto Oldcastle SW Group, Inc., a Colorado corporation ("Purchaser"), 41,456 voting shares of common stock of A&S Construction Co., a Colorado corporation (the "Company"), standing in the name of the undersigned on the books of the Company represented by Certificate No. 13, together with all rights and benefits appurtenant thereto (the "Shares"). The undersigned hereby irrevocably constitutes and appoints any authorized officer of Purchaser as attorney-in-fact to transfer the Shares on the books of the Company with full power and substitution in the premises.

[Signature Page Follows]

IN WITNESS WHEREOF, this Stock Power is executed effective as of the date first written above.

AS HOLDINGS, INC.,
a Colorado corporation



John Paul Ary, President

STOCK POWER

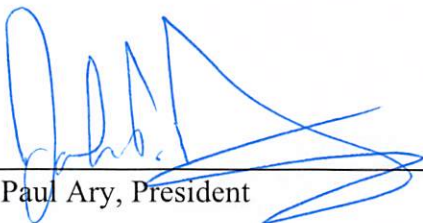
July 19, 2024

FOR VALUE RECEIVED, the undersigned hereby irrevocably assigns and transfers unto Oldcastle SW Group, Inc., a Colorado corporation ("Purchaser"), 5,000 voting shares of common stock of Crane Services of Colorado, Inc., a Colorado corporation (the "Company"), standing in the name of the undersigned on the books of the Company represented by Certificate No. 12, together with all rights and benefits appurtenant thereto (the "Shares"). The undersigned hereby irrevocably constitutes and appoints any authorized officer of Purchaser as attorney-in-fact to transfer the Shares on the books of the Company with full power and substitution in the premises.

[Signature Page Follows]

IN WITNESS WHEREOF, this Stock Power is executed effective as of the date first written above.

CRANE HOLDINGS, INC.,
a Colorado corporation



John Paul Ary, President

EXHIBIT C

MEMBERSHIP INTEREST ASSIGNMENTS

See attached

MEMBERSHIP INTEREST ASSIGNMENT

July 19, 2024

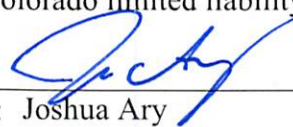
FOR VALUE RECEIVED, the Members identified on **Exhibit A** hereby irrevocably assign and transfer unto Oldcastle SW Group, Inc., a Colorado corporation ("Purchaser"), their respective ownership, identified in **Exhibit A**, totaling a transfer of 100% of the membership interest in Hwy 47 Investment, LLC, a Colorado limited liability company (the "Company"), together with all rights and benefits appurtenant thereto (collectively, the "Interests"). The undersigned hereby irrevocably constitute and appoint any authorized officer of Purchaser as attorney-in-fact to transfer the Interests on the books of the Company with full power and substitution in the premises.

[Signature Page Follows]

IN WITNESS WHEREOF, this Membership Interest Assignment is executed effective as of the date first written above.

MEMBERS:

JC Ary Properties, LLC,
a Colorado limited liability company



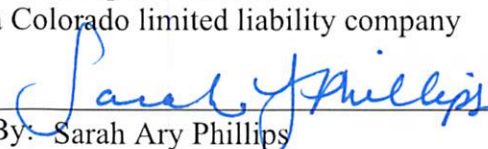
By: Joshua Ary
Title: Member

CS Rose Properties, LLC,
a Colorado limited liability company



By: Samantha Ary
Title: Member

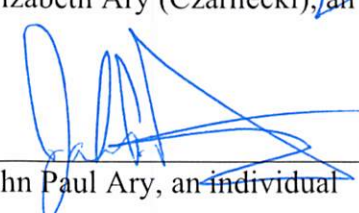
N&S Properties, LLC,
a Colorado limited liability company



By: Sarah Ary Phillips
Title: Member



Elizabeth Ary (Czarnecki), an individual



John Paul Ary, an individual

EXHIBIT A
(Membership)

<u>Member</u>	<u>Interest Transferred</u>
John Paul Ary	10%
JC Ary Properties, LLC	22.5%
CS Rose Properties, LLC	22.5%
N&S Properties, LLC	22.5%
Elizabeth Ary (Czarnecki)	22.5%

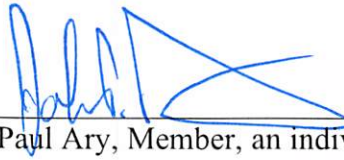
MEMBERSHIP INTEREST ASSIGNMENT

July 19, 2024

FOR VALUE RECEIVED, the undersigned hereby irrevocably assigns and transfers unto Oldcastle SW Group, Inc., a Colorado corporation (“Purchaser”), a 100% membership interest in Pueblo East Phase III, LLC, a Colorado limited liability company (the “Company”), together with all rights and benefits appurtenant thereto (the “Interest”). The undersigned hereby irrevocably constitutes and appoints any authorized officer of Purchaser as attorney-in-fact to transfer the Interest on the books of the Company with full power and substitution in the premises.

[Signature Page Follows]

IN WITNESS WHEREOF, this Membership Interest Assignment is executed effective as of the date first written above.

A handwritten signature in blue ink, appearing to read 'John Paul Ary', is written over a horizontal line.

John Paul Ary, Member, an individual

EXHIBIT D

STATEMENT OF MERGER

See attached

**Statement of Merger
(Surviving Entity is a Domestic Entity)**

Business Program

Colorado Secretary of State

1700 Broadway, Ste. 550 Denver, CO 80290

Phone: 303-894-2200

Fax: 303-869-4864

Email: Business@coloradosos.gov

Website: www.coloradosos.gov

20241757420

\$300.00

SECRETARY OF STATE

07/22/2024 14:53:27

This form must be typed. Documents may be submitted by mail or dropped off at our office along with payment.

Document processing fee: \$150.00

Filed pursuant to § 7-90-203.7 of the Colorado Revised Statutes (C.R.S.)

1. For each **merging** entity, its ID number (if applicable), entity name or true name, form of entity, jurisdiction under the law of which it is formed, and principal address are:

Colorado Secretary of State ID Number:

19871342310

Entity name or true name:

A & S Construction Co.

Form of entity:

Corporation

Jurisdiction:

Colorado

The principal office address of the entity's principal office is:

Street Address

Street Address 1

839 Mackenzie Ave

Street Address 2

City

Canon City

State

CO

ZIP code

81212



Province (if applicable)	Country

Mailing Address (Leave blank if same as street address)

Mailing Address 1

PO Box 566

Mailing Address 2

City	State	ZIP code
Canon City	CO	81212

Province (if applicable)	Country
	USA

Colorado Secretary of State ID Number:

19871280796

Entity name or true name:

Ary Brothers Trucking, Inc.

Form of entity:

Corporation

Jurisdiction:

Colorado

The principal office address of the entity's principal office is:

Street Address

Street Address 1

839 Mackenzie Ave

Street Address 2

City	State	ZIP code
Canon City	CO	81212

Province (if applicable) Country

Mailing Address (Leave blank if same as street address)

Mailing Address 1

Mailing Address 2

City State ZIP code

Province (if applicable) Country

Colorado Secretary of State ID Number:

Entity name or true name:

Form of entity:

Jurisdiction:

The principal office address of the entity's principal office is:

Street Address

Street Address 1

Street Address 2

City State ZIP code

Province (if applicable)	Country	
	USA	
Mailing Address (Leave blank if same as street address)		
Mailing Address 1		
Mailing Address 2		
City	State	ZIP code
Province (if applicable)	Country	

If the following statement applies, adopt the statement by marking the box and include an attachment:

- ☒ **There are more than three merging entities and the ID number (if applicable), entity name or true name, form of entity, jurisdiction under the law of which it is formed, and the principal address of each additional merging entity is stated in an attachment.**

2. For the **surviving** entity, its entity ID number (if applicable), entity name or true name, form of entity, jurisdiction under the law of which it is formed, and principal address are:

Colorado Secretary of State ID Number:

19871178882

Entity name or true name:

Oldcastle SW Group, Inc.

Form of entity:

Corporation

Jurisdiction:

Colorado

The principal office address of the entity's principal office is:

Street Address

Street Address 1

2273 River Rd

Street Address 2

City

Grand Junction

State

CO

ZIP code

81505

Province (if applicable)

Country

USA

Mailing Address (Leave blank if same as street address)

Mailing Address 1

Mailing Address 2

City

State

ZIP code

Province (if applicable)

Country

3. Each merging entity has been merged into the surviving entity.

4. If the following statement applies, adopt the statement by marking the box:

☐

The plan of merger provides for amendments to a constituent filed document of the surviving entity and an appropriate statement of change or other document effecting the amendments will be delivered to the Secretary of State for filing pursuant to Part 3 of Article 90 of Title 7, C.R.S.

5. If the following statement applies, adopt the statement by marking the box and state the appropriate document number(s):

☐ **One or more of the merging entities is a registrant of a trademark described in a filed document in the records of the secretary of state and the document number of each filed document is:**

Document 1

Document 2

Document 3

If the following statement applies, adopt the statement by marking the box and include an attachment:

☐ **There are more than three trademarks and the document number of each additional trademark is stated in an attachment.**

6. If applicable, adopt the following statement by marking the box and include an attachment:

☐ **This document contains additional information as provided by law.**

7. The delayed effective date and/or time (mm/dd/yyyy hour:minute am/pm) of this document is (if applicable):

Caution: Leave blank if the document does not have a delayed effective date. Stating a delayed effective date has significant legal consequences. If you don't enter a specific time, the filing will take effect at 11:59 PM. Times are MST/MDT.

Notice:

Causing this document to be delivered to the Secretary of State for filing shall constitute the affirmation or acknowledgment of each individual causing such delivery, under penalties of perjury, that such document is such individual's act and deed, or that such individual in good faith believes such document is the act and deed of the person on whose behalf such individual is causing such document to be delivered for filing, taken in conformity with the requirements of part 3 of article 90 of title 7, C.R.S. and, if applicable, the constituent documents and the organic statutes, and that such individual in good faith believes the facts stated in such document are true and such document complies with the requirements of that Part, the constituent documents, and the organic statutes.

This perjury notice applies to each individual who causes this document to be delivered to the Secretary of State, whether or not such individual is identified in this document as one who has caused it to be delivered.

8. The name and mailing address of the individual causing the document to be delivered for filing are:

Filer Information

Last name	First name	Middle	Suffix
Williams	Nanci		

Address 1

1 E Washington ST Ste 1200

Address 2

--

City	State	ZIP code
Phoenix	AZ	85004

Province (if applicable)	Country

This document contains the true name and mailing address of one or more additional individuals causing the document to be delivered for filing. If applicable, mark this box and include an attachment stating the additional individuals.

☐ More information will be attached.

Disclaimer:

This form/cover sheet, and any related instructions, are not intended to provide legal, business or tax advice, and are furnished without representation or warranty. While this form/cover sheet is believed to satisfy minimum legal requirements as of its revision date, compliance with applicable law, as the same may be amended from time to time, remains the responsibility of the user of this form/cover sheet.

Questions should be addressed to the user's legal, business or tax advisor(s).

**ATTACHMENT TO COLORADO STATEMENT OF MERGER
ADDITIONAL MERGING ENTITIES**

1.

Colorado Secretary of State ID Number:	19871465104
Entity Name or True Name:	Fremont Paving and Redi-Mix, Inc.
Form of Entity:	Corporation
Jurisdiction:	Colorado
Street Address:	839 Mackenzie Ave, Canon City, CO 81212, USA
Mailing Address (leave blank if same as street address)	PO Box 841, Canon City, CO 81215, USA

2.

Colorado Secretary of State ID Number:	20181635649
Entity Name or True Name:	Pueblo East Phase III, LLC
Form of Entity:	Limited Liability Company
Jurisdiction:	Colorado
Street Address:	839 Mackenzie Ave, Canon City, CO 81212, USA
Mailing Address (leave blank if same as street address)	PO Box 566, Canon City, CO 81215, USA

3.

Colorado Secretary of State ID Number:	20221676677
Entity Name or True Name:	Hwy 47 Investment, LLC
Form of Entity:	Limited Liability Company
Jurisdiction:	Colorado
Street Address:	839 Mackenzie Ave, Canon City, CO 81212, USA
Mailing Address (leave blank if same as street address)	PO Box 1091, Canon City, CO 81215, USA

Boone-Fillmore Pit

Structure	Structure Owner	Distance (ft)
Fences, Underground Pip Structure, Silage Pit	Ron Fillmore	63
Water Ditch	Colorado Ditch	25

All structure distances are measured from the permit boundary. The following slope stability exhibit shows that no structures near the permit boundary are at risk.

RULE 6.5: GEOTECHNICAL STABILITY EXHIBIT

There are no known geologic hazards on the proposed site. Based on a slope stability analysis, buildings or other structures within 200' of the Boone-Fillmore Pit affected area will not be affected by mining excavation. Sufficient buffers will be maintained between the slope crest and the permit and property boundary. A standard slope was analyzed for stability as it is a good example of the nearest structures: the property fence and the Colorado Ditch.

A comprehensive slope stability analysis evaluates the potential for soil mass movement by assessing the equilibrium between destabilizing and resisting forces within an earthen slope. The analysis incorporates multiple geotechnical parameters including slope geometry, soil properties, groundwater conditions, and external loading conditions. Engineers calculate a Factor of Safety (FOS) by comparing the available shear strength of the soil to the minimum shear strength required for equilibrium along potential failure surfaces. This calculation considers both effective stress parameters (internal friction angle and cohesion) and pore water pressure effects.

The material properties are derived from *Table 2.5* in the *SME Mining Reference Handbook*¹, as there is no site-specific strength data of the material available. Therefore, all materials are matched to a classification from this table that best matches the materials in terms of description. The native alluvial material is best classified as sand and gravel with a mixed grain size. A layer of soil and sand lies atop the sand and gravel deposit. This material is best described as loose sand, mixed grain size. A summary of the material properties can be seen in Table GS-1.

Table GS-1. Material Properties

Material	Unit Weight (lbs/ft)	Cohesion	Friction Angle
Sand and gravel, mixed grain size	110	0	45
Loose sand, mixed grain size	99	0	34

Slope stability analysis was conducted for two conditions: Active Mining Slopes and Reclaimed Slopes. Each condition was analyzed using Bishop's Method of Slices in GALENA software.

1. Active Mining Slopes

The active mining slope is assumed to be roughly 1H:1V for the purposes of analysis, extrapolated from the approved mining plan map (M-1990-144, Map C-2). A GALENA analysis of this slope condition was conducted, and the results are attached in Appendix GS-1. A 1H:1V

¹ Original source: Hoek and Bray 1977

slope in sand and gravel has a safety factor of <1.5 , the minimum required. Therefore, the slope stability analysis was iterated until a 1.5 FOS failure circle was found, in order to identify the extent of slope failure and its proximity to offsite structures. Figure GS-1 shows the distance between the 1.5 FOS failure and the property fence, the Colorado Ditch, and the ditch's access road.

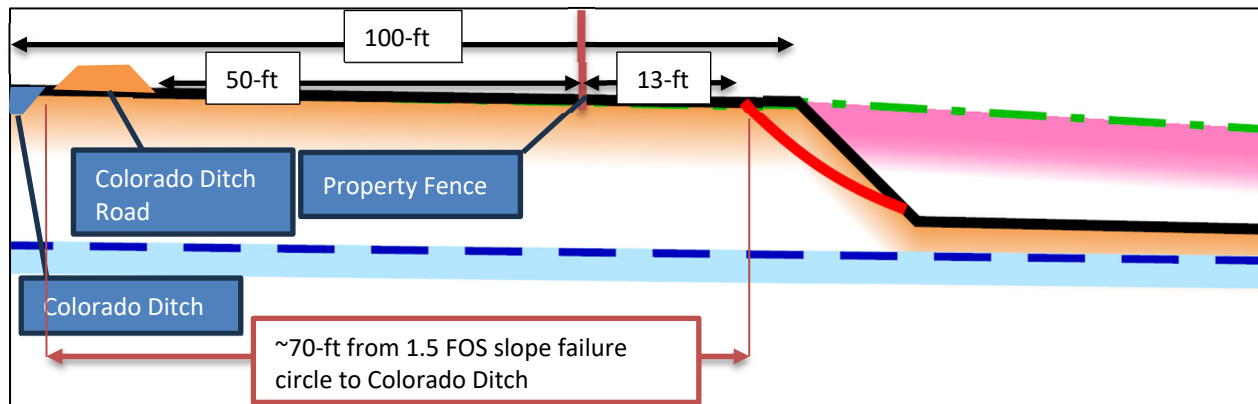


Figure GS-1. Mining Slope with 1.5 FOS Failure Circle

The nearest any potential failure, according to CDRMS criteria, comes to offsite critical structures such as the Colorado Ditch, is roughly 70-ft. Said failure slope is completely contained within the property and site fence. The buffers from offsite critical structures listed Map C-2 of the reclamation permit are sufficient to protect said structures from potential slope failures at the Boone-Fillmore Pit.

2. Reclamation Slopes

A reclaimed slope of 3H:1V was analyzed in GALENA software to determine the lowest FOS value of the final slope. The results are listed in Table GS-2. GALENA data tables and analysis result figures are attached as Appendix GS-1.

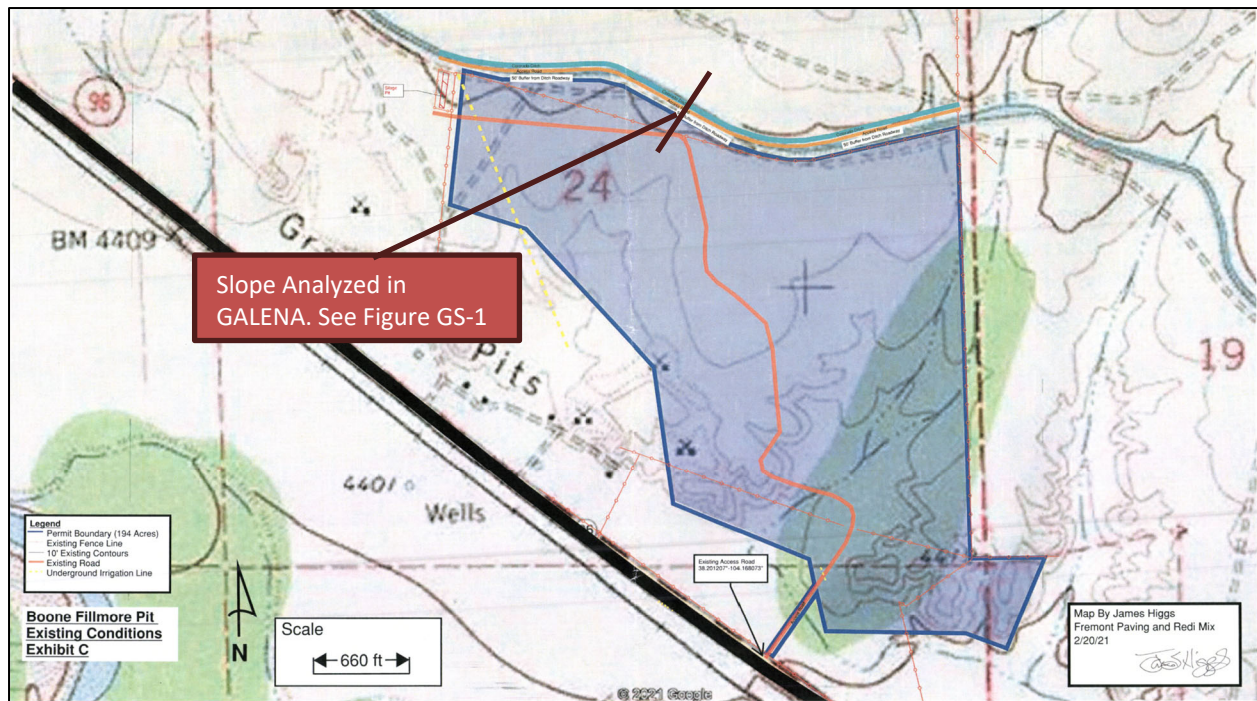


Figure GS-2. Locations of Slope Stability Analysis from Map F-1

Table GS-2. Factors of Safety for Slope Stability

Slope Condition	Lowest Factor of Safety (static)	Lowest Factor of Safety (seismic)	Nearest Structure and Distance
<i>*Active Mining FOS = 1.5</i>	1.50	1.34	Property fence (~13 ft)
Final Reclamation	2.75	2.34	Property fence (~20 ft)

2. Conclusion

The Active Mining Slope failure circle at an FOS > 1.5 is within the property and permit area of the Boone-Fillmore Pit. This failure circle does not reach any offsite structures. The Final Reclamation slope has a minimum factor of safety greater than 1.5 for static conditions. This Factor of Safety is greater than the CDRMS minimum for critical structure of 1.5. The seismic condition analysis is similarly above the CDRMS minimums for critical structures. Both Reclamation Slopes failure circles are within the reclaimed slope, and do not reach any structures offsite.

The slope stability analysis in this permit has been prepared according to appropriate engineering standards and practices.



Ben Langenfeld, P.E.

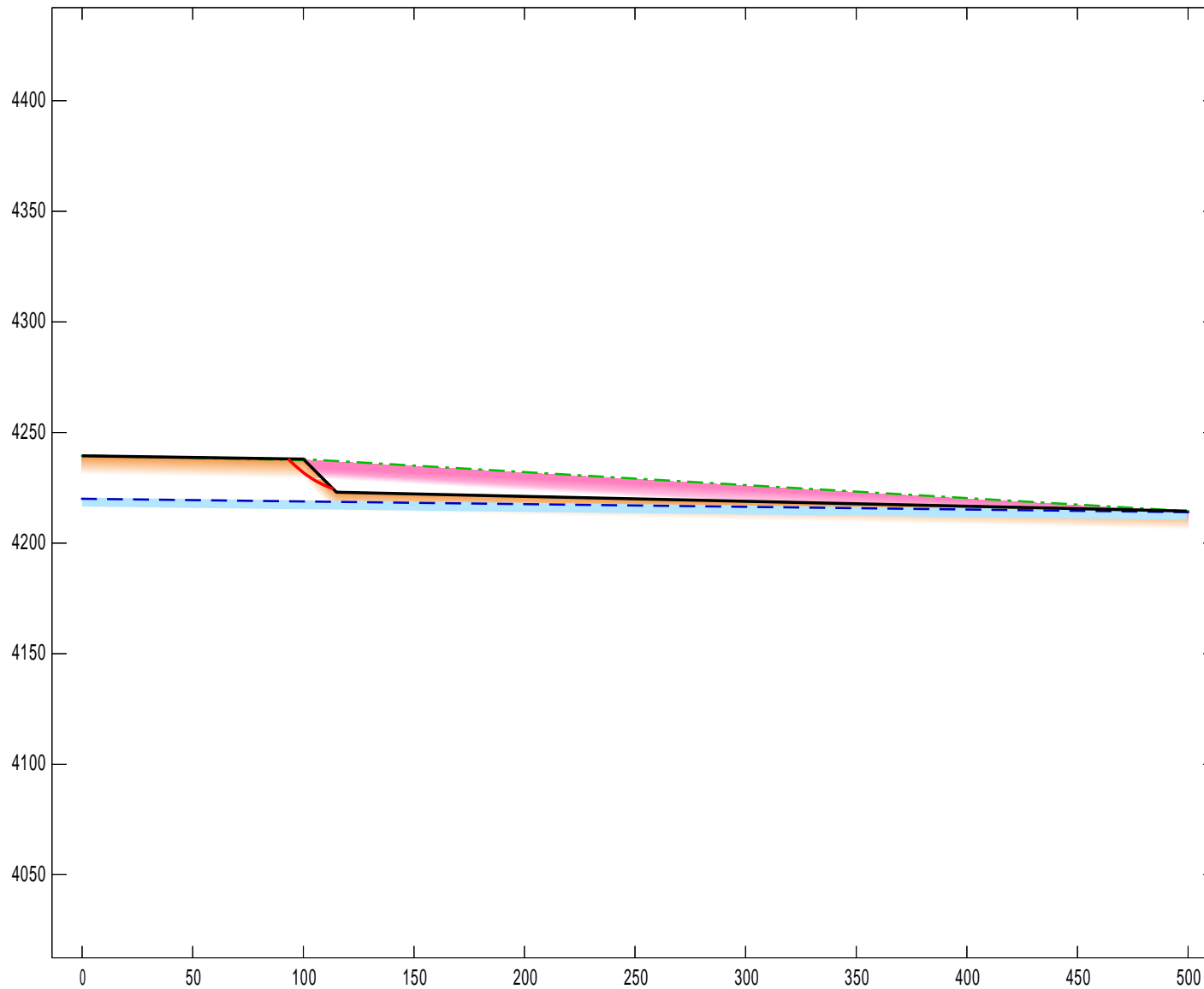
P.E.# 0047151

APPENDIX GS-1

GALENA INFORMATION

Material Keys

- 1: Sand and gravel, mixed grain size
- 2: OB - loose sand, mixed grain size



GALENA Version 7.1

Licensed to: Greg Lewicki and Associates

Analysis 1

Single Stability Analysis

Method: Bishop Simplified

Surface: Circular

Results

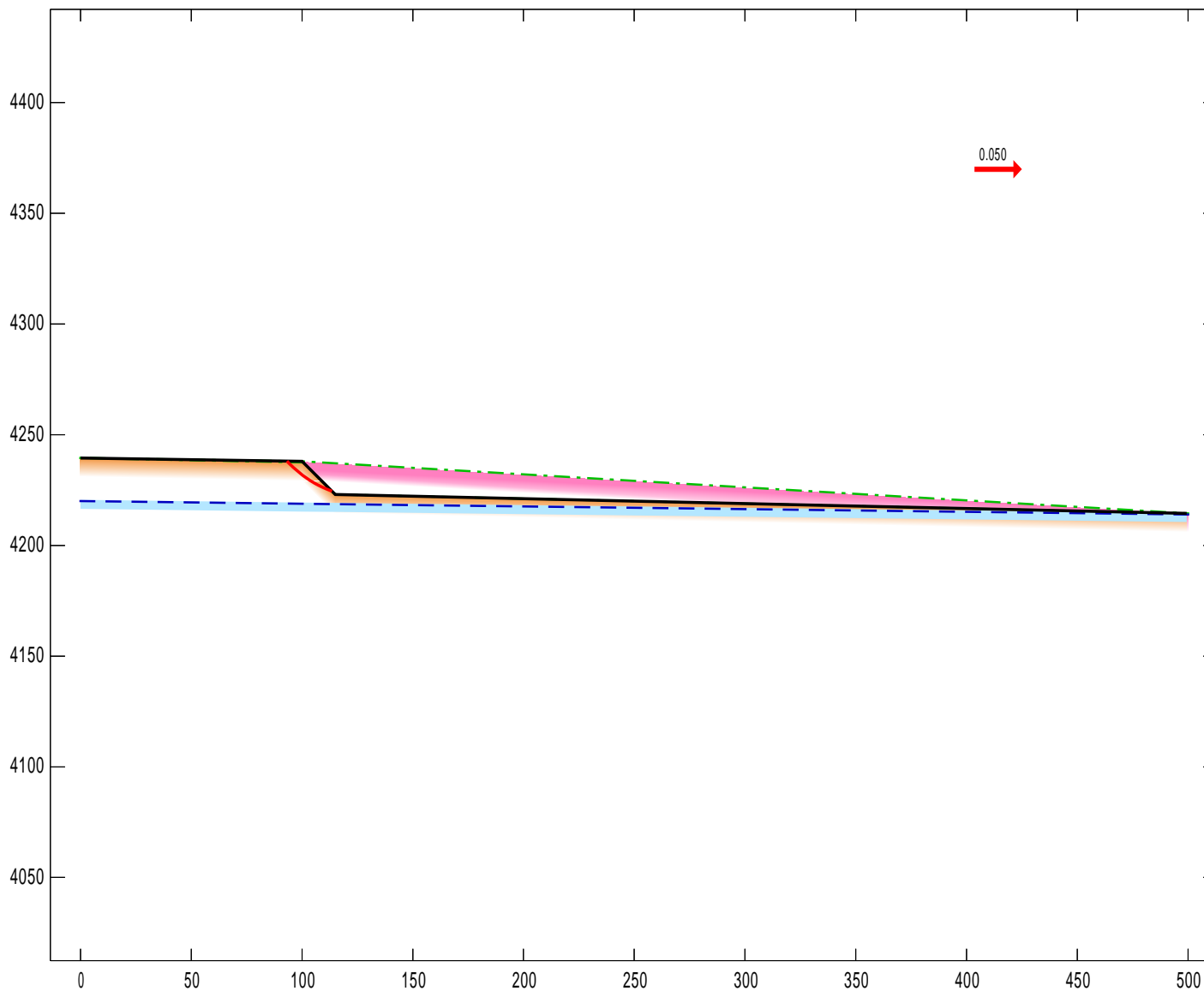
Factor of Safety: 1.50

Project Boone-Fillmore Pit
Mining Condition

File: E:\Work\GLA Dropbox\Ben Langenfeld\United Companies\Boone Fillmore\Slope Stability\Boone-Fillmore Slope Stability.gmf

Edited: 10 Jan 2025
Processed: 10 Jan 2025





GALENA Version 7.1

Licensed to: Greg Lewicki and Associates

Material Keys

- 1: Sand and gravel, mixed grain size
- 2: OB - loose sand, mixed grain size

Analysis 2

Single Stability Analysis

Method: Bishop Simplified

Surface: Circular

Results

Factor of Safety: 1.36

Edited: 10 Jan 2025
Processed: 10 Jan 2025



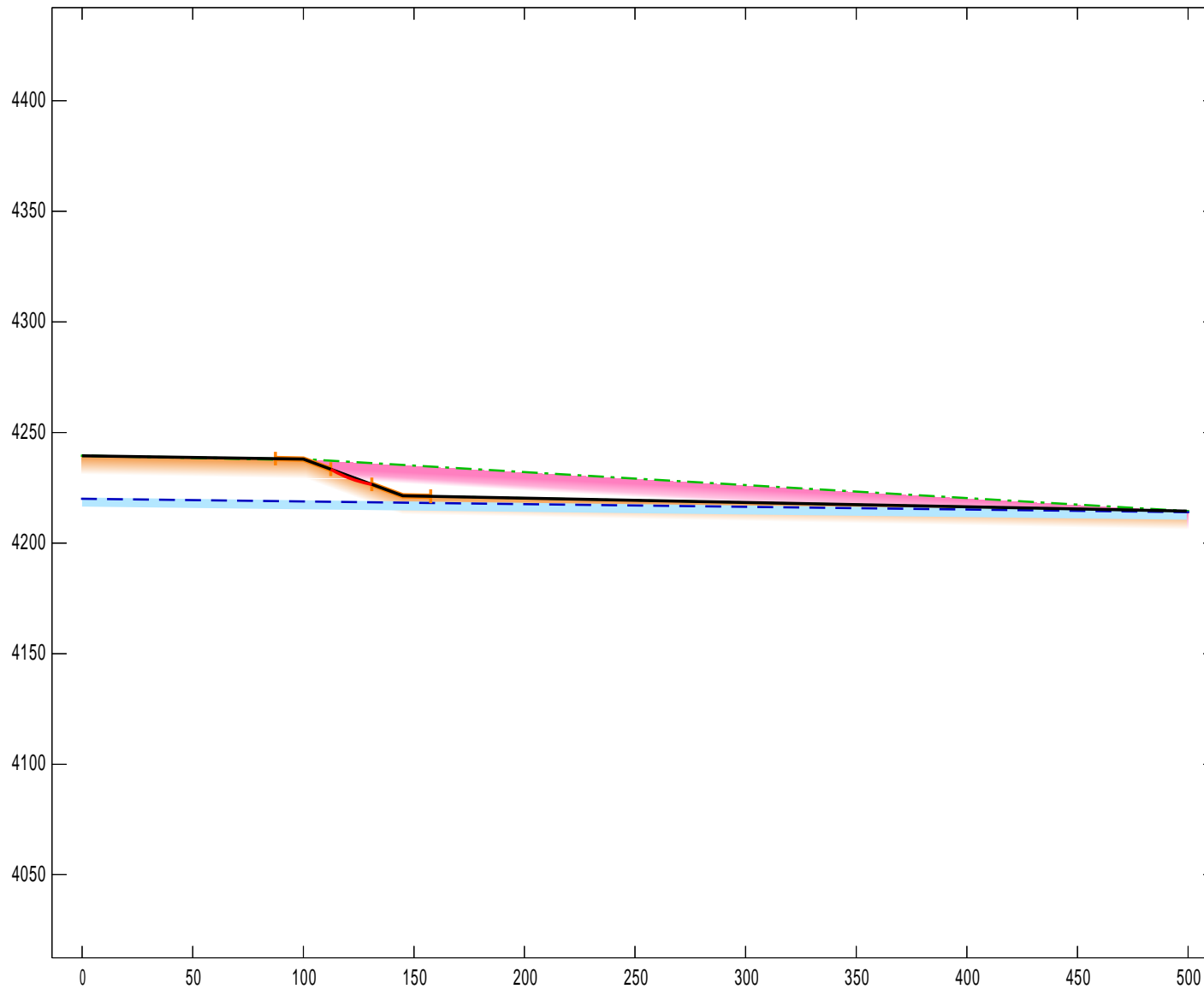
Project Boone-Fillmore Pit
Mining Condition

File: E:\Work\GLA Dropbox\Ben Langenfeld\United Companies\Boone Fillmore\Slope Stability\Boone-Fillmore Slope Stability.gmf

Material Keys

1: Sand and gravel, mixed grain size

2: OB - loose sand, mixed grain size



Analysis 3

Multiple Stability Analysis

Method: Bishop Simplified

Surface: Circular

Results

Critical Factor of Safety: 2.75

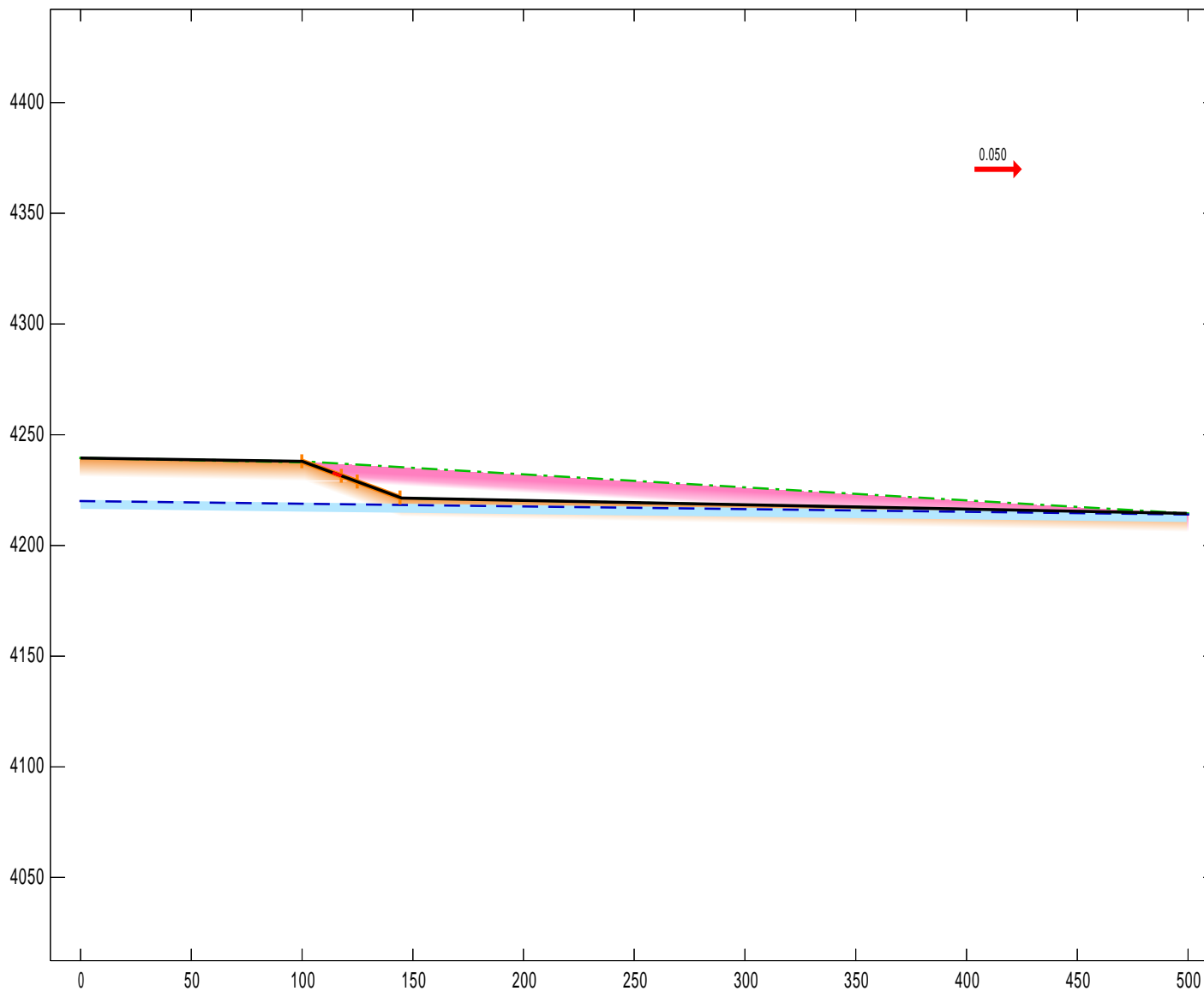
Edited: 10 Jan 2025

Processed: 10 Jan 2025

Project Boone-Fillmore Pit
Reclaimed Condition

File: E:\Work\GLA Dropbox\Ben Langenfeld\United Companies\Boone Fillmore\Slope Stability\Boone-Fillmore Slope Stability.gmf





GALENA Version 7.1

Licensed to: Greg Lewicki and Associates

Material Keys

- 1: Sand and gravel, mixed grain size
- 2: OB - loose sand, mixed grain size

Analysis 4

Multiple Stability Analysis

Method: Bishop Simplified

Surface: Circular (Critical Seed)

Results

Critical Factor of Safety: 2.34

Project Boone-Fillmore Pit
Reclaimed Condition

File: E:\Work\GLA Dropbox\Ben Langenfeld\United Companies\Boone Fillmore\Slope Stability\Boone-Fillmore Slope Stability.gmf

Edited: 10 Jan 2025
Processed: 10 Jan 2025



Project: Boone-Fillmore Pit

File: E:\Work\GLA Dropbox\Ben Langenfeld\United Companies\Boone Fillmore\Slope Stability\Boone-Fillmore Slope Stability.gmf

Processed: 10 Jan 2025 08:00:25

DATA: Analysis 1 - Mining Condition

Material Properties (4 materials)

Material: 1 (Mohr-Coulomb Isotropic) - Sand and gravel, mixed grain size

Cohesion Phi UnitWeight Ru

0.00 45.0 110.00 Auto

Material: 2 (Mohr-Coulomb Isotropic) - OB - loose sand, mixed grain size

Cohesion Phi UnitWeight Ru

0.00 34.0 99.00 Auto

Material: 3 (Mohr-Coulomb Isotropic) - Bedrock - claystone

Cohesion Phi UnitWeight Ru

20000.00 25.0 110.00 Auto

Material: 4 (Mohr-Coulomb Isotropic) - Slurry Wall

Cohesion Phi UnitWeight Ru

Unsaturated: 0.00 0.0 112.00 Auto

Saturated: 0.00 0.0 115.00 Auto

Water Properties

Unit weight of water: 62.400 Unit weight of water/medium above ground: 0.000

Material Profiles (2 profiles)

Profile: 1 (2 points) Material beneath: 2 - OB - loose sand, mixed grain size

0.00 4240.00 500.00 4230.00

Profile: 2 (2 points) Material beneath: 1 - Sand and gravel, mixed grain size

0.00 4239.50 500.00 4229.50

Slope Surface (4 points)

0.00 4239.50 100.00 4238.00 115.00 4223.00 499.40 4214.50

Phreatic Surface (2 points)

0.00 4220.00 500.00 4214.00

Piezometric Surfaces (1 surface)

Failure Surface

Circular surface defined by: XL,XR,R

Intersects: XL: 93.22 YL: 4238.10 XR: 113.49 YR: 4224.51

Centre: XC: 131.36 YC: 4273.08 Radius: R: 51.75

- - - - -
RESULTS: Analysis 1 - Mining Condition

Bishop Simplified Method of Analysis - Circular Failure Surface

Factor of Safety: 1.50

Slice Geometry and Properties (39 slices)

Slice	X-S	-----	Base	-----					PoreWater	Normal	Test	
	X-Left	Area	Angle	Width	Length	Matl	Cohesion	Phi	Weight	Force	Stress	Factor
1	93.22	0.10	46.8	0.45	0.65	2	0.00	34.0	10.34	0.00	15.66	0.99
2	93.67	0.31	46.8	0.44	0.64	1	0.00	45.0	31.74	0.00	42.06	0.85
3	94.11	0.53	45.3	0.46	0.65	1	0.00	45.0	55.73	0.00	73.05	0.85
4	94.56	0.74	45.3	0.46	0.65	1	0.00	45.0	78.49	0.00	102.88	0.85
5	95.02	0.96	43.9	0.47	0.65	1	0.00	45.0	103.48	0.00	134.94	0.85
6	95.49	1.17	43.9	0.47	0.65	1	0.00	45.0	126.20	0.00	164.65	0.85
7	95.95	1.41	42.4	0.48	0.65	1	0.00	45.0	152.15	0.00	197.66	0.84
8	96.43	1.61	42.5	0.48	0.65	1	0.00	45.0	174.81	0.00	226.98	0.84
9	96.91	1.86	41.0	0.49	0.65	1	0.00	45.0	201.58	0.00	260.94	0.84
10	97.40	2.06	41.0	0.49	0.65	1	0.00	45.0	224.05	0.00	289.91	0.84
11	97.89	2.31	39.6	0.50	0.65	1	0.00	45.0	251.50	0.00	324.57	0.84
12	98.39	2.51	39.6	0.50	0.65	1	0.00	45.0	273.79	0.00	353.34	0.84
13	98.89	2.77	38.1	0.51	0.65	1	0.00	45.0	301.73	0.00	388.53	0.83
14	99.40	2.97	38.2	0.51	0.65	1	0.00	45.0	323.79	0.00	416.76	0.83
15	99.91	0.56	36.6	0.09	0.11	1	0.00	45.0	60.68	0.00	441.51	0.83
16	100.00	3.07	36.7	0.51	0.64	1	0.00	45.0	336.56	0.00	440.75	0.83
17	100.51	2.58	36.7	0.44	0.55	1	0.00	45.0	283.87	0.00	433.63	0.83
18	100.95	3.05	35.3	0.53	0.65	1	0.00	45.0	335.84	0.00	431.24	0.83
19	101.48	2.97	35.3	0.53	0.65	1	0.00	45.0	326.83	0.00	419.67	0.83
20	102.01	2.93	33.8	0.54	0.65	1	0.00	45.0	322.65	0.00	414.25	0.83
21	102.54	2.84	33.9	0.54	0.65	1	0.00	45.0	312.13	0.00	400.57	0.83
22	103.08	2.78	32.4	0.55	0.65	1	0.00	45.0	305.96	0.00	392.93	0.83
23	103.63	2.67	32.4	0.55	0.65	1	0.00	45.0	293.90	0.00	377.29	0.83
24	104.18	2.60	31.0	0.56	0.65	1	0.00	45.0	285.59	0.00	366.89	0.83
25	104.73	2.47	31.0	0.56	0.65	1	0.00	45.0	271.97	0.00	349.54	0.83
26	105.29	2.38	29.6	0.56	0.65	1	0.00	45.0	261.52	0.00	336.51	0.83
27	105.85	2.24	29.5	0.56	0.65	1	0.00	45.0	246.34	0.00	317.12	0.83
28	106.42	2.12	28.1	0.57	0.65	1	0.00	45.0	233.70	0.00	301.33	0.84
29	106.99	1.97	28.1	0.57	0.65	1	0.00	45.0	216.93	0.00	279.83	0.84
30	107.56	1.84	26.6	0.58	0.65	1	0.00	45.0	202.09	0.00	261.45	0.84
31	108.14	1.67	26.7	0.58	0.65	1	0.00	45.0	183.66	0.00	237.52	0.84
32	108.72	1.51	25.2	0.59	0.65	1	0.00	45.0	166.61	0.00	216.20	0.84
33	109.31	1.33	25.2	0.59	0.65	1	0.00	45.0	146.60	0.00	190.24	0.84
34	109.89	1.16	23.8	0.59	0.65	1	0.00	45.0	127.35	0.00	165.91	0.84

35	110.49	0.96	23.8	0.59	0.65	1	0.00	45.0	105.72	0.00	137.73	0.84
36	111.08	0.77	22.4	0.60	0.65	1	0.00	45.0	84.31	0.00	110.37	0.85
37	111.68	0.55	22.4	0.60	0.65	1	0.00	45.0	61.00	0.00	79.85	0.85
38	112.28	0.34	20.9	0.61	0.65	1	0.00	45.0	37.41	0.00	49.23	0.85
39	112.88	0.11	20.9	0.61	0.65	1	0.00	45.0	12.49	0.00	16.44	0.85

X-S Area:	68.79	Path Length:	24.64	X-S Weight:	7531.08
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DATA: Analysis 2 - Mining Condition

Material Properties (4 materials)

Material: 1 (Mohr-Coulomb Isotropic) - Sand and gravel, mixed grain size

Cohesion	Phi	UnitWeight	Ru
0.00	45.0	110.00	Auto

Material: 2 (Mohr-Coulomb Isotropic) - OB - loose sand, mixed grain size

Cohesion	Phi	UnitWeight	Ru
0.00	34.0	99.00	Auto

Material: 3 (Mohr-Coulomb Isotropic) - Bedrock - claystone

Cohesion	Phi	UnitWeight	Ru
20000.00	25.0	110.00	Auto

Material: 4 (Mohr-Coulomb Isotropic) - Slurry Wall

Cohesion	Phi	UnitWeight	Ru
Unsaturated:	0.00	0.0	112.00 Auto
Saturated:	0.00	0.0	115.00 Auto

Water Properties

Unit weight of water:	62.400	Unit weight of water/medium above ground:	0.000
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Material Profiles (2 profiles)

Profile: 1 (2 points) Material beneath: 2 - OB - loose sand, mixed grain size

0.00	4240.00	500.00	4230.00
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Profile: 2 (2 points) Material beneath: 1 - Sand and gravel, mixed grain size

0.00	4239.50	500.00	4229.50
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Slope Surface (4 points)

0.00	4239.50	100.00	4238.00	115.00	4223.00	499.40	4214.50
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Phreatic Surface (2 points)

0.00	4220.00	500.00	4214.00
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Piezometric Surfaces (1 surface)

Failure Surface

Circular surface defined by: XL,XR,R

Intersects: XL: 93.22 YL: 4238.10 XR: 113.49 YR: 4224.51

Centre: XC: 131.36 YC: 4273.08 Radius: R: 51.75

Earthquake Force

Pseudo-static earthquake (seismic) coefficient: 0.050

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RESULTS: Analysis 2 - Mining Condition

Bishop Simplified Method of Analysis - Circular Failure Surface

Factor of Safety: 1.36

Slice Geometry and Properties (39 slices)

Slice	X-S	-----	Base	-----					PoreWater	Normal	Test	
	X-Left	Area	Angle	Width	Length	Matl	Cohesion	Phi	Weight	Force	Stress	Factor
1	93.22	0.10	46.8	0.45	0.65	2	0.00	34.0	10.34	0.00	15.15	0.96
2	93.67	0.31	46.8	0.44	0.64	1	0.00	45.0	31.74	0.00	40.30	0.82
3	94.11	0.53	45.3	0.46	0.65	1	0.00	45.0	55.73	0.00	70.09	0.82
4	94.56	0.74	45.3	0.46	0.65	1	0.00	45.0	78.49	0.00	98.70	0.82
5	95.02	0.96	43.9	0.47	0.65	1	0.00	45.0	103.48	0.00	129.62	0.81
6	95.49	1.17	43.9	0.47	0.65	1	0.00	45.0	126.20	0.00	158.15	0.81
7	95.95	1.41	42.4	0.48	0.65	1	0.00	45.0	152.15	0.00	190.09	0.81
8	96.43	1.61	42.5	0.48	0.65	1	0.00	45.0	174.81	0.00	218.29	0.81
9	96.91	1.86	41.0	0.49	0.65	1	0.00	45.0	201.58	0.00	251.25	0.81
10	97.40	2.06	41.0	0.49	0.65	1	0.00	45.0	224.05	0.00	279.14	0.81
11	97.89	2.31	39.6	0.50	0.65	1	0.00	45.0	251.50	0.00	312.89	0.81
12	98.39	2.51	39.6	0.50	0.65	1	0.00	45.0	273.79	0.00	340.62	0.81
13	98.89	2.77	38.1	0.51	0.65	1	0.00	45.0	301.73	0.00	374.99	0.81
14	99.40	2.97	38.2	0.51	0.65	1	0.00	45.0	323.79	0.00	402.22	0.81
15	99.91	0.56	36.6	0.09	0.11	1	0.00	45.0	60.68	0.00	426.65	0.81
16	100.00	3.07	36.7	0.51	0.64	1	0.00	45.0	336.56	0.00	425.89	0.81
17	100.51	2.58	36.7	0.44	0.55	1	0.00	45.0	283.87	0.00	419.00	0.81
18	100.95	3.05	35.3	0.53	0.65	1	0.00	45.0	335.84	0.00	417.19	0.81
19	101.48	2.97	35.3	0.53	0.65	1	0.00	45.0	326.83	0.00	405.99	0.81
20	102.01	2.93	33.8	0.54	0.65	1	0.00	45.0	322.65	0.00	401.23	0.81
21	102.54	2.84	33.9	0.54	0.65	1	0.00	45.0	312.13	0.00	387.97	0.81
22	103.08	2.78	32.4	0.55	0.65	1	0.00	45.0	305.96	0.00	381.03	0.81
23	103.63	2.67	32.4	0.55	0.65	1	0.00	45.0	293.90	0.00	365.85	0.81
24	104.18	2.60	31.0	0.56	0.65	1	0.00	45.0	285.59	0.00	356.18	0.81
25	104.73	2.47	31.0	0.56	0.65	1	0.00	45.0	271.97	0.00	339.35	0.81
26	105.29	2.38	29.6	0.56	0.65	1	0.00	45.0	261.52	0.00	327.08	0.81
27	105.85	2.24	29.5	0.56	0.65	1	0.00	45.0	246.34	0.00	308.24	0.81
28	106.42	2.12	28.1	0.57	0.65	1	0.00	45.0	233.70	0.00	293.24	0.81
29	106.99	1.97	28.1	0.57	0.65	1	0.00	45.0	216.93	0.00	272.32	0.81
30	107.56	1.84	26.6	0.58	0.65	1	0.00	45.0	202.09	0.00	254.74	0.82

31	108.14	1.67	26.7	0.58	0.65	1	0.00	45.0	183.66	0.00	231.42	0.82
32	108.72	1.51	25.2	0.59	0.65	1	0.00	45.0	166.61	0.00	210.90	0.82
33	109.31	1.33	25.2	0.59	0.65	1	0.00	45.0	146.60	0.00	185.58	0.82
34	109.89	1.16	23.8	0.59	0.65	1	0.00	45.0	127.35	0.00	162.04	0.83
35	110.49	0.96	23.8	0.59	0.65	1	0.00	45.0	105.72	0.00	134.52	0.83
36	111.08	0.77	22.4	0.60	0.65	1	0.00	45.0	84.31	0.00	107.93	0.83
37	111.68	0.55	22.4	0.60	0.65	1	0.00	45.0	61.00	0.00	78.08	0.83
38	112.28	0.34	20.9	0.61	0.65	1	0.00	45.0	37.41	0.00	48.20	0.84
39	112.88	0.11	20.9	0.61	0.65	1	0.00	45.0	12.49	0.00	16.10	0.84

X-S Area:	68.79	Path Length:	24.64	X-S Weight:	7531.08
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DATA: Analysis 3 - Reclaimed Condition

Material Properties (4 materials)

Material: 1 (Mohr-Coulomb Isotropic) - Sand and gravel, mixed grain size

Cohesion	Phi	UnitWeight	Ru
0.00	45.0	110.00	Auto

Material: 2 (Mohr-Coulomb Isotropic) - OB - loose sand, mixed grain size

Cohesion	Phi	UnitWeight	Ru
0.00	34.0	99.00	Auto

Material: 3 (Mohr-Coulomb Isotropic) - Bedrock - claystone

Cohesion	Phi	UnitWeight	Ru
20000.00	25.0	110.00	Auto

Material: 4 (Mohr-Coulomb Isotropic) - Slurry Wall

Cohesion	Phi	UnitWeight	Ru
Unsaturated:	0.00	0.0	112.00 Auto
Saturated:	0.00	0.0	115.00 Auto

Water Properties

Unit weight of water:	62.400	Unit weight of water/medium above ground:	0.000
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Material Profiles (2 profiles)

Profile: 1 (2 points) Material beneath: 2 - OB - loose sand, mixed grain size

0.00	4240.00	500.00	4230.00
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Profile: 2 (2 points) Material beneath: 1 - Sand and gravel, mixed grain size

0.00	4239.50	500.00	4229.50
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Slope Surface (4 points)

0.00	4239.50	100.00	4238.00	145.00	4221.40	499.40	4214.50
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Phreatic Surface (2 points)

0.00	4220.00	500.00	4214.00
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Piezometric Surfaces (1 surface)

Failure Surface

Initial circular surface for critical search defined by: XL,XR,R

Intersects: XL: 99.90 YL: 4238.00 XR: 144.30 YR: 4221.66
Centre: XC: 137.32 YC: 4271.17 Radius: R: 50.00

Variable Restraints

Parameter descriptor: XL XR R
Range of variation: 25.00 26.50 10.50
Trial positions within range: 10 10 10

RESULTS: Analysis 3 - Reclaimed Condition

Bishop Simplified Method of Analysis - Circular Failure Surface

Critical Failure Surface Search using Multiple Circle Generation Techniques

Factor of Safety for initial failure surface approximation: 3.028

There were: 998 successful analyses from a total of 1001 trial surfaces
3 analyses terminated due to unacceptable geometry

Critical (minimum) Factor of Safety: 2.75

Results Summary - Lowest 99 Factor of Safety circles

Circle	X-Left	Y-Left	X-Right	Y-Right	X-Centre	Y-Centre	Radius	FoS	
1	112.40	4233.43	131.05	4226.55	140.53	4280.98	55.25	2.751	<-- Critical Surface
2	112.40	4233.43	131.05	4226.55	140.12	4279.86	54.08	2.753	
3	112.40	4233.43	131.05	4226.55	139.71	4278.75	52.92	2.755	
4	112.40	4233.43	131.05	4226.55	139.30	4277.63	51.75	2.757	
5	112.40	4233.43	131.05	4226.55	138.89	4276.52	50.58	2.759	
6	112.40	4233.43	131.05	4226.55	138.48	4275.40	49.42	2.762	
7	112.40	4233.43	131.05	4226.55	138.07	4274.28	48.25	2.764	
8	109.62	4234.45	131.05	4226.55	139.05	4281.21	55.25	2.765	
9	112.40	4233.43	133.99	4225.46	141.90	4280.14	55.25	2.766	
10	112.40	4233.43	131.05	4226.55	137.65	4273.16	47.08	2.767	
11	109.62	4234.45	131.05	4226.55	138.63	4280.10	54.08	2.767	
12	112.40	4233.43	133.99	4225.46	141.49	4279.02	54.08	2.768	
13	109.62	4234.45	131.05	4226.55	138.22	4278.97	52.92	2.770	
14	112.40	4233.43	131.05	4226.55	137.24	4272.04	45.92	2.770	
15	112.40	4233.43	133.99	4225.46	141.07	4277.90	52.92	2.771	
16	109.62	4234.45	131.05	4226.55	137.81	4277.85	51.75	2.773	
17	112.40	4233.43	131.05	4226.55	136.83	4270.92	44.75	2.773	
18	112.40	4233.43	133.99	4225.46	140.66	4276.78	51.75	2.773	
19	109.62	4234.45	131.05	4226.55	137.39	4276.73	50.58	2.776	

20	112.40	4233.43	133.99	4225.46	140.24	4275.66	50.58	2.777
21	109.62	4234.45	131.05	4226.55	136.98	4275.61	49.42	2.779
22	112.40	4233.43	133.99	4225.46	139.83	4274.53	49.42	2.780
23	106.84	4235.48	131.05	4226.55	137.54	4281.41	55.25	2.780
24	109.62	4234.45	133.99	4225.46	140.39	4280.34	55.25	2.781
25	109.62	4234.45	131.05	4226.55	136.56	4274.48	48.25	2.782
26	112.40	4233.43	136.94	4224.37	143.25	4279.26	55.25	2.782
27	112.40	4233.43	133.99	4225.46	139.41	4273.40	48.25	2.783
28	106.84	4235.48	131.05	4226.55	137.12	4280.29	54.08	2.783
29	109.62	4234.45	133.99	4225.46	139.98	4279.21	54.08	2.784
30	112.40	4233.43	136.94	4224.37	142.83	4278.13	54.08	2.785
31	109.62	4234.45	131.05	4226.55	136.15	4273.35	47.08	2.786
32	106.84	4235.48	131.05	4226.55	136.71	4279.16	52.92	2.787
33	112.40	4233.43	133.99	4225.46	139.00	4272.28	47.08	2.787
34	109.62	4234.45	133.99	4225.46	139.56	4278.08	52.92	2.788
35	112.40	4233.43	136.94	4224.37	142.42	4277.01	52.92	2.789
36	109.62	4234.45	131.05	4226.55	135.73	4272.22	45.92	2.790
37	106.84	4235.48	131.05	4226.55	136.29	4278.03	51.75	2.790
38	112.40	4233.43	133.99	4225.46	138.58	4271.15	45.92	2.791
39	109.62	4234.45	133.99	4225.46	139.15	4276.95	51.75	2.791
40	112.40	4233.43	136.94	4224.37	142.00	4275.88	51.75	2.793
41	106.84	4235.48	131.05	4226.55	135.87	4276.90	50.58	2.794
42	109.62	4234.45	131.05	4226.55	135.31	4271.09	44.75	2.794
43	109.62	4234.45	133.99	4225.46	138.73	4275.82	50.58	2.795
44	112.40	4233.43	133.99	4225.46	138.16	4270.02	44.75	2.796
45	112.40	4233.43	136.94	4224.37	141.58	4274.74	50.58	2.796
46	104.07	4236.50	131.05	4226.55	136.02	4281.57	55.25	2.798
47	106.84	4235.48	131.05	4226.55	135.46	4275.77	49.42	2.798
48	106.84	4235.48	133.99	4225.46	138.87	4280.49	55.25	2.799
49	109.62	4234.45	133.99	4225.46	138.31	4274.69	49.42	2.799
50	109.62	4234.45	136.94	4224.37	141.73	4279.42	55.25	2.800
51	112.40	4233.43	136.94	4224.37	141.16	4273.61	49.42	2.801
52	112.40	4233.43	139.88	4223.29	144.58	4278.34	55.25	2.801
53	104.07	4236.50	131.05	4226.55	135.60	4280.44	54.08	2.802
54	106.84	4235.48	131.05	4226.55	135.04	4274.63	48.25	2.803
55	106.84	4235.48	133.99	4225.46	138.45	4279.36	54.08	2.803
56	109.62	4234.45	136.94	4224.37	141.31	4278.28	54.08	2.804
57	109.62	4234.45	133.99	4225.46	137.89	4273.55	48.25	2.804
58	112.40	4233.43	139.88	4223.29	144.16	4277.20	54.08	2.805
59	112.40	4233.43	136.94	4224.37	140.74	4272.47	48.25	2.805
60	104.07	4236.50	131.05	4226.55	135.18	4279.30	52.92	2.806
61	106.84	4235.48	133.99	4225.46	138.04	4278.22	52.92	2.807
62	106.84	4235.48	131.05	4226.55	134.62	4273.49	47.08	2.807
63	109.62	4234.45	136.94	4224.37	140.89	4277.14	52.92	2.808
64	109.62	4234.45	133.99	4225.46	137.47	4272.41	47.08	2.809
65	112.40	4233.43	139.88	4223.29	143.74	4276.06	52.92	2.809
66	112.40	4233.43	136.94	4224.37	140.32	4271.33	47.08	2.810
67	104.07	4236.50	131.05	4226.55	134.76	4278.16	51.75	2.810
68	106.84	4235.48	133.99	4225.46	137.62	4277.08	51.75	2.812
69	106.84	4235.48	131.05	4226.55	134.20	4272.35	45.92	2.813
70	109.62	4234.45	136.94	4224.37	140.47	4276.00	51.75	2.813
71	109.62	4234.45	133.99	4225.46	137.05	4271.27	45.92	2.814
72	112.40	4233.43	139.88	4223.29	143.32	4274.92	51.75	2.814

73	104.07	4236.50	131.05	4226.55	134.34	4277.02	50.58	2.815
74	112.40	4233.43	136.94	4224.37	139.90	4270.19	45.92	2.816
75	106.84	4235.48	133.99	4225.46	137.19	4275.94	50.58	2.817
76	101.29	4237.52	131.05	4226.55	134.49	4281.69	55.25	2.817
77	109.62	4234.45	136.94	4224.37	140.05	4274.86	50.58	2.818
78	106.84	4235.48	131.05	4226.55	133.78	4271.21	44.75	2.818
79	104.07	4236.50	133.99	4225.46	137.34	4280.61	55.25	2.819
80	112.40	4233.43	139.88	4223.29	142.90	4273.78	50.58	2.819
81	109.62	4234.45	133.99	4225.46	136.63	4270.13	44.75	2.820
82	106.84	4235.48	136.94	4224.37	140.19	4279.53	55.25	2.820
83	104.07	4236.50	131.05	4226.55	133.92	4275.88	49.42	2.820
84	109.62	4234.45	139.88	4223.29	143.04	4278.45	55.25	2.821
85	112.40	4233.43	136.94	4224.37	139.48	4269.05	44.75	2.821
86	106.84	4235.48	133.99	4225.46	136.77	4274.80	49.42	2.822
87	101.29	4237.52	131.05	4226.55	134.06	4280.54	54.08	2.822
88	112.40	4233.43	142.83	4222.20	145.89	4277.37	55.25	2.822
89	109.62	4234.45	136.94	4224.37	139.62	4273.72	49.42	2.823
90	104.07	4236.50	133.99	4225.46	136.92	4279.46	54.08	2.824
91	112.40	4233.43	139.88	4223.29	142.48	4272.64	49.42	2.825
92	106.84	4235.48	136.94	4224.37	139.77	4278.38	54.08	2.825
93	104.07	4236.50	131.05	4226.55	133.50	4274.73	48.25	2.826
94	109.62	4234.45	139.88	4223.29	142.62	4277.30	54.08	2.826
95	101.29	4237.52	131.05	4226.55	133.64	4279.40	52.92	2.828
96	106.84	4235.48	133.99	4225.46	136.35	4273.65	48.25	2.828
97	112.40	4233.43	142.83	4222.20	145.47	4276.22	54.08	2.828
98	104.07	4236.50	133.99	4225.46	136.49	4278.32	52.92	2.829
99	109.62	4234.45	136.94	4224.37	139.20	4272.57	48.25	2.829

Critical Failure Surface (circle 1)

Intersects: XL: 112.40 YL: 4233.43 XR: 131.05 YR: 4226.55
Centre: XC: 140.53 YC: 4280.98 Radius: R: 55.25

Generated failure surface: (20 points)

112.40	4233.43	113.31	4232.90	114.23	4232.39	115.16	4231.90	116.10	4231.42
117.05	4230.97	118.00	4230.53	118.97	4230.11	119.94	4229.71	120.92	4229.32
121.91	4228.96	122.90	4228.62	123.90	4228.29	124.91	4227.98	125.92	4227.69
126.94	4227.43	127.96	4227.18	128.98	4226.95	130.02	4226.74	131.05	4226.55

Slice Geometry and Properties - Critical Failure Surface (circle 1, 38 slices)

Slice	X-S -----			Base -----				PoreWater		Normal	Test
	X-Left	Area	Angle	Width	Length	Matl	Cohesion	Phi	Weight	Force	Stress Factor
1	112.40	0.02	30.1	0.46	0.53	1	0.00	45.0	2.40	0.00	4.35 0.95
2	112.86	0.07	30.1	0.46	0.53	1	0.00	45.0	7.19	0.00	13.04 0.95
3	113.31	0.11	28.9	0.46	0.53	1	0.00	45.0	11.84	0.00	21.42 0.95
4	113.77	0.15	29.0	0.46	0.53	1	0.00	45.0	16.14	0.00	29.20 0.95
5	114.23	0.19	27.9	0.46	0.53	1	0.00	45.0	20.38	0.00	36.76 0.95
6	114.70	0.22	27.9	0.46	0.53	1	0.00	45.0	24.20	0.00	43.65 0.95
7	115.16	0.25	26.8	0.47	0.53	1	0.00	45.0	28.02	0.00	50.43 0.95
8	115.63	0.28	26.8	0.47	0.53	1	0.00	45.0	31.30	0.00	56.31 0.95
9	116.10	0.32	25.7	0.47	0.53	1	0.00	45.0	34.67	0.00	62.27 0.94
10	116.57	0.34	25.7	0.47	0.53	1	0.00	45.0	37.42	0.00	67.20 0.94
11	117.05	0.37	24.6	0.48	0.53	1	0.00	45.0	40.27	0.00	72.19 0.94

12	117.53	0.39	24.6	0.48	0.53	1	0.00	45.0	42.56	0.00	76.29	0.94
13	118.00	0.41	23.5	0.48	0.53	1	0.00	45.0	44.89	0.00	80.36	0.94
14	118.49	0.42	23.5	0.48	0.53	1	0.00	45.0	46.57	0.00	83.41	0.94
15	118.97	0.44	22.4	0.49	0.53	1	0.00	45.0	48.36	0.00	86.50	0.94
16	119.45	0.45	22.4	0.49	0.53	1	0.00	45.0	49.54	0.00	88.60	0.94
17	119.94	0.46	21.3	0.49	0.53	1	0.00	45.0	50.76	0.00	90.73	0.94
18	120.43	0.47	21.3	0.49	0.53	1	0.00	45.0	51.34	0.00	91.76	0.94
19	120.92	0.47	20.3	0.49	0.53	1	0.00	45.0	52.00	0.00	92.92	0.94
20	121.41	0.47	20.3	0.49	0.53	1	0.00	45.0	52.00	0.00	92.92	0.94
21	121.91	0.47	19.1	0.50	0.53	1	0.00	45.0	52.09	0.00	93.10	0.94
22	122.40	0.47	19.2	0.50	0.53	1	0.00	45.0	51.48	0.00	91.98	0.94
23	122.90	0.46	18.1	0.50	0.53	1	0.00	45.0	50.95	0.00	91.09	0.94
24	123.40	0.45	18.1	0.50	0.53	1	0.00	45.0	49.77	0.00	88.98	0.94
25	123.90	0.44	17.0	0.50	0.53	1	0.00	45.0	48.58	0.00	86.94	0.94
26	124.40	0.43	17.0	0.50	0.53	1	0.00	45.0	46.83	0.00	83.77	0.94
27	124.91	0.41	15.9	0.51	0.53	1	0.00	45.0	45.00	0.00	80.60	0.94
28	125.41	0.39	15.9	0.51	0.53	1	0.00	45.0	42.66	0.00	76.42	0.94
29	125.92	0.37	14.8	0.51	0.53	1	0.00	45.0	40.15	0.00	72.04	0.94
30	126.43	0.34	14.8	0.51	0.53	1	0.00	45.0	37.17	0.00	66.70	0.94
31	126.94	0.31	13.7	0.51	0.53	1	0.00	45.0	34.06	0.00	61.23	0.95
32	127.45	0.28	13.7	0.51	0.53	1	0.00	45.0	30.49	0.00	54.82	0.95
33	127.96	0.24	12.7	0.51	0.53	1	0.00	45.0	26.71	0.00	48.12	0.95
34	128.47	0.20	12.6	0.51	0.53	1	0.00	45.0	22.50	0.00	40.53	0.95
35	128.98	0.16	11.5	0.52	0.53	1	0.00	45.0	18.10	0.00	32.71	0.95
36	129.50	0.12	11.5	0.52	0.53	1	0.00	45.0	13.23	0.00	23.90	0.95
37	130.02	0.07	10.4	0.52	0.53	1	0.00	45.0	8.14	0.00	14.75	0.95
38	130.53	0.02	10.4	0.52	0.53	1	0.00	45.0	2.70	0.00	4.88	0.95

X-S Area: 11.93 Path Length: 19.99 X-S Weight: 1312.44

DATA: Analysis 4 - Reclaimed Condition

Material Properties (4 materials)

Material: 1 (Mohr-Coulomb Isotropic) - Sand and gravel, mixed grain size

Cohesion Phi UnitWeight Ru

0.00 45.0 110.00 Auto

Material: 2 (Mohr-Coulomb Isotropic) - OB - loose sand, mixed grain size

Cohesion Phi UnitWeight Ru

0.00 34.0 99.00 Auto

Material: 3 (Mohr-Coulomb Isotropic) - Bedrock - claystone

Cohesion Phi UnitWeight Ru

20000.00 25.0 110.00 Auto

Material: 4 (Mohr-Coulomb Isotropic) - Slurry Wall

Cohesion Phi UnitWeight Ru

Unsaturated: 0.00 0.0 112.00 Auto

Saturated: 0.00 0.0 115.00 Auto

Water Properties

Unit weight of water: 62.400 Unit weight of water/medium above ground: 0.000

Material Profiles (2 profiles)

Profile: 1 (2 points) Material beneath: 2 - OB - loose sand, mixed grain size
0.00 4240.00 500.00 4230.00
Profile: 2 (2 points) Material beneath: 1 - Sand and gravel, mixed grain size
0.00 4239.50 500.00 4229.50

Slope Surface (4 points)

0.00 4239.50 100.00 4238.00 145.00 4221.40 499.40 4214.50

Phreatic Surface (2 points)

0.00 4220.00 500.00 4214.00

Piezometric Surfaces (1 surface)

Failure Surface (Critical, from previous analysis)

Initial circular surface for critical search defined by: XL,XR,R
Intersects: XL: 112.40 YL: 4233.43 XR: 131.05 YR: 4226.55
Centre: XC: 140.53 YC: 4280.98 Radius: R: 55.25

Earthquake Force

Pseudo-static earthquake (seismic) coefficient: 0.050

Variable Restraints

Parameter descriptor: XL XR R
Range of variation: 25.00 26.50 10.50
Trial positions within range: 10 10 10

- - - - -

RESULTS: Analysis 4 - Reclaimed Condition

Bishop Simplified Method of Analysis - Circular Failure Surface

Critical Failure Surface Search using Multiple Circle Generation Techniques

Factor of Safety for initial failure surface approximation: 2.379

There were: 901 successful analyses from a total of 1001 trial surfaces
100 analyses terminated due to unacceptable geometry

Critical (minimum) Factor of Safety: 2.34

Results Summary - Lowest 99 Factor of Safety circles

Circle	X-Left	Y-Left	X-Right	Y-Right	X-Centre	Y-Centre	Radius	FoS	
1	113.79	4232.91	117.80	4231.43	136.72	4288.90	60.50	2.344	<-- Critical Surface
2	119.34	4230.86	123.69	4229.26	141.63	4284.59	58.17	2.344	
3	116.57	4231.89	120.74	4230.35	139.58	4287.84	60.50	2.344	
4	113.79	4232.91	117.80	4231.43	136.32	4287.80	59.33	2.345	
5	113.79	4232.91	117.80	4231.43	135.92	4286.71	58.17	2.345	
6	113.79	4232.91	117.80	4231.43	134.70	4283.42	54.67	2.345	
7	113.79	4232.91	117.80	4231.43	135.11	4284.52	55.83	2.345	
8	119.34	4230.86	123.69	4229.26	142.44	4286.78	60.50	2.345	
9	113.79	4232.91	117.80	4231.43	135.51	4285.61	57.00	2.345	
10	122.12	4229.84	126.63	4228.18	144.90	4284.63	59.33	2.345	
11	116.57	4231.89	120.74	4230.35	138.37	4284.56	57.00	2.345	
12	124.90	4228.81	129.58	4227.09	147.35	4282.47	58.17	2.345	
13	116.57	4231.89	120.74	4230.35	137.96	4283.46	55.83	2.345	
14	116.57	4231.89	120.74	4230.35	139.17	4286.75	59.33	2.345	
15	119.34	4230.86	123.69	4229.26	141.23	4283.50	57.00	2.345	
16	119.34	4230.86	123.69	4229.26	140.42	4281.31	54.67	2.345	
17	113.79	4232.91	117.80	4231.43	134.30	4282.33	53.50	2.345	
18	116.57	4231.89	120.74	4230.35	138.77	4285.65	58.17	2.345	
19	113.79	4232.91	117.80	4231.43	133.89	4281.23	52.33	2.345	
20	124.90	4228.81	129.58	4227.09	147.76	4283.57	59.33	2.345	
21	122.12	4229.84	126.63	4228.18	145.30	4285.72	60.50	2.345	
22	124.90	4228.81	129.58	4227.09	146.95	4281.38	57.00	2.345	
23	116.57	4231.89	120.74	4230.35	137.56	4282.36	54.67	2.345	
24	119.34	4230.86	123.69	4229.26	142.03	4285.69	59.33	2.345	
25	122.12	4229.84	126.63	4228.18	144.49	4283.53	58.17	2.345	
26	119.34	4230.86	123.69	4229.26	140.82	4282.40	55.83	2.345	
27	116.57	4231.89	120.74	4230.35	136.75	4280.17	52.33	2.345	
28	122.12	4229.84	126.63	4228.18	143.28	4280.25	54.67	2.345	
29	124.90	4228.81	129.58	4227.09	148.16	4284.66	60.50	2.345	
30	116.57	4231.89	120.74	4230.35	137.15	4281.27	53.50	2.345	
31	119.34	4230.86	123.69	4229.26	140.01	4280.21	53.50	2.345	
32	122.12	4229.84	126.63	4228.18	142.87	4279.15	53.50	2.345	
33	122.12	4229.84	126.63	4228.18	143.68	4281.34	55.83	2.345	
34	116.57	4231.89	120.74	4230.35	136.35	4279.08	51.17	2.345	
35	122.12	4229.84	126.63	4228.18	144.09	4282.44	57.00	2.345	
36	122.12	4229.84	126.63	4228.18	142.47	4278.05	52.33	2.345	
37	119.34	4230.86	123.69	4229.26	139.61	4279.11	52.33	2.345	
38	113.79	4232.91	117.80	4231.43	133.09	4279.04	50.00	2.345	
39	122.12	4229.84	126.63	4228.18	142.07	4276.96	51.17	2.345	
40	119.34	4230.86	123.69	4229.26	139.21	4278.02	51.17	2.345	
41	113.79	4232.91	117.80	4231.43	133.49	4280.13	51.17	2.345	
42	124.90	4228.81	129.58	4227.09	145.33	4277.00	52.33	2.345	
43	116.57	4231.89	120.74	4230.35	135.94	4277.98	50.00	2.345	
44	124.90	4228.81	129.58	4227.09	146.54	4280.28	55.83	2.345	
45	124.90	4228.81	129.58	4227.09	146.14	4279.19	54.67	2.345	
46	124.90	4228.81	129.58	4227.09	145.73	4278.09	53.50	2.345	
47	124.90	4228.81	129.58	4227.09	144.93	4275.90	51.17	2.346	
48	119.34	4230.86	123.69	4229.26	138.80	4276.92	50.00	2.346	
49	122.12	4229.84	126.63	4228.18	141.66	4275.86	50.00	2.346	
50	124.90	4228.81	129.58	4227.09	144.52	4274.80	50.00	2.346	

51	113.79	4232.91	120.74	4230.35	138.17	4288.28	60.50	2.347
52	111.01	4233.94	117.80	4231.43	134.90	4288.25	59.33	2.347
53	111.01	4233.94	117.80	4231.43	135.31	4289.35	60.50	2.347
54	116.57	4231.89	123.69	4229.26	141.03	4287.22	60.50	2.347
55	111.01	4233.94	117.80	4231.43	134.50	4287.15	58.17	2.347
56	113.79	4232.91	120.74	4230.35	137.36	4286.09	58.17	2.348
57	113.79	4232.91	120.74	4230.35	137.76	4287.19	59.33	2.348
58	119.34	4230.86	126.63	4228.18	143.88	4286.16	60.50	2.348
59	111.01	4233.94	117.80	4231.43	134.09	4286.06	57.00	2.348
60	111.01	4233.94	117.80	4231.43	133.69	4284.96	55.83	2.348
61	116.57	4231.89	123.69	4229.26	140.62	4286.13	59.33	2.348
62	116.57	4231.89	123.69	4229.26	140.22	4285.03	58.17	2.348
63	113.79	4232.91	120.74	4230.35	136.95	4284.99	57.00	2.348
64	122.12	4229.84	129.58	4227.09	146.34	4284.01	59.33	2.348
65	119.34	4230.86	126.63	4228.18	143.48	4285.07	59.33	2.348
66	122.12	4229.84	129.58	4227.09	146.74	4285.10	60.50	2.348
67	113.79	4232.91	120.74	4230.35	136.55	4283.90	55.83	2.348
68	119.34	4230.86	126.63	4228.18	143.07	4283.97	58.17	2.348
69	116.57	4231.89	123.69	4229.26	139.41	4282.84	55.83	2.348
70	124.90	4228.81	132.52	4226.00	149.60	4284.04	60.50	2.348
71	111.01	4233.94	117.80	4231.43	132.88	4282.76	53.50	2.348
72	111.01	4233.94	117.80	4231.43	133.28	4283.86	54.67	2.348
73	113.79	4232.91	120.74	4230.35	136.14	4282.80	54.67	2.348
74	124.90	4228.81	132.52	4226.00	149.20	4282.95	59.33	2.348
75	116.57	4231.89	123.69	4229.26	139.81	4283.93	57.00	2.348
76	122.12	4229.84	129.58	4227.09	145.94	4282.91	58.17	2.348
77	119.34	4230.86	126.63	4228.18	142.67	4282.87	57.00	2.348
78	124.90	4228.81	132.52	4226.00	148.79	4281.85	58.17	2.348
79	119.34	4230.86	126.63	4228.18	142.26	4281.78	55.83	2.348
80	113.79	4232.91	120.74	4230.35	135.74	4281.70	53.50	2.348
81	116.57	4231.89	123.69	4229.26	139.00	4281.74	54.67	2.348
82	111.01	4233.94	117.80	4231.43	132.47	4281.67	52.33	2.348
83	113.79	4232.91	120.74	4230.35	135.33	4280.61	52.33	2.348
84	122.12	4229.84	129.58	4227.09	145.53	4281.81	57.00	2.349
85	119.34	4230.86	126.63	4228.18	141.86	4280.68	54.67	2.349
86	124.90	4228.81	132.52	4226.00	148.39	4280.75	57.00	2.349
87	111.01	4233.94	117.80	4231.43	132.07	4280.57	51.17	2.349
88	116.57	4231.89	123.69	4229.26	138.60	4280.64	53.50	2.349
89	122.12	4229.84	129.58	4227.09	145.13	4280.71	55.83	2.349
90	122.12	4229.84	129.58	4227.09	144.72	4279.62	54.67	2.349
91	113.79	4232.91	120.74	4230.35	134.93	4279.51	51.17	2.349
92	111.01	4233.94	117.80	4231.43	131.67	4279.47	50.00	2.349
93	119.34	4230.86	126.63	4228.18	141.45	4279.58	53.50	2.349
94	116.57	4231.89	123.69	4229.26	138.19	4279.54	52.33	2.349
95	124.90	4228.81	132.52	4226.00	147.98	4279.65	55.83	2.349
96	124.90	4228.81	132.52	4226.00	147.58	4278.56	54.67	2.349
97	122.12	4229.84	129.58	4227.09	144.32	4278.52	53.50	2.349
98	119.34	4230.86	126.63	4228.18	141.05	4278.48	52.33	2.349
99	116.57	4231.89	123.69	4229.26	137.79	4278.45	51.17	2.349

Critical Failure Surface (circle 1)

Intersects: XL: 113.79 YL: 4232.91 XR: 117.80 YR: 4231.43

Centre: XC: 136.72 YC: 4288.90 Radius: R: 60.50
Generated failure surface: (20 points)

113.79	4232.91	114.00	4232.83	114.21	4232.74	114.42	4232.66	114.62	4232.58
114.83	4232.50	115.04	4232.42	115.25	4232.34	115.47	4232.26	115.68	4232.18
115.89	4232.10	116.10	4232.02	116.31	4231.95	116.52	4231.87	116.73	4231.80
116.95	4231.72	117.16	4231.65	117.37	4231.58	117.59	4231.50	117.80	4231.43

Slice Geometry and Properties - Critical Failure Surface (circle 1, 38 slices)

Slice	X-S			Base					PoreWater		Normal	Test
	X-Left	Area	Angle	Width	Length	Matl	Cohesion	Phi	Weight	Force	Stress	Factor
1	113.79	0.00	22.2	0.10	0.11	1	0.00	45.0	0.02	0.00	0.18	0.92
2	113.89	0.00	22.2	0.10	0.11	1	0.00	45.0	0.07	0.00	0.59	0.92
3	114.00	0.00	21.9	0.10	0.11	1	0.00	45.0	0.11	0.00	0.92	0.92
4	114.10	0.00	21.9	0.10	0.11	1	0.00	45.0	0.15	0.00	1.24	0.92
5	114.21	0.00	21.7	0.10	0.11	1	0.00	45.0	0.19	0.00	1.56	0.92
6	114.31	0.00	21.9	0.10	0.11	1	0.00	45.0	0.22	0.00	1.83	0.92
7	114.42	0.00	21.4	0.10	0.11	1	0.00	45.0	0.26	0.00	2.12	0.92
8	114.52	0.00	21.6	0.10	0.11	1	0.00	45.0	0.29	0.00	2.39	0.92
9	114.62	0.00	21.4	0.10	0.11	1	0.00	45.0	0.32	0.00	2.62	0.92
10	114.73	0.00	21.4	0.10	0.11	1	0.00	45.0	0.35	0.00	2.85	0.92
11	114.83	0.00	20.9	0.10	0.11	1	0.00	45.0	0.37	0.00	3.00	0.92
12	114.94	0.00	21.1	0.10	0.11	1	0.00	45.0	0.39	0.00	3.18	0.92
13	115.04	0.00	20.8	0.11	0.11	1	0.00	45.0	0.41	0.00	3.33	0.92
14	115.15	0.00	21.1	0.11	0.11	1	0.00	45.0	0.42	0.00	3.46	0.92
15	115.25	0.00	20.6	0.11	0.11	1	0.00	45.0	0.44	0.00	3.61	0.92
16	115.36	0.00	20.8	0.11	0.11	1	0.00	45.0	0.45	0.00	3.65	0.92
17	115.47	0.00	20.6	0.11	0.11	1	0.00	45.0	0.46	0.00	3.75	0.92
18	115.57	0.00	20.3	0.11	0.11	1	0.00	45.0	0.46	0.00	3.80	0.92
19	115.68	0.00	20.1	0.11	0.11	1	0.00	45.0	0.46	0.00	3.81	0.92
20	115.78	0.00	20.3	0.11	0.11	1	0.00	45.0	0.46	0.00	3.76	0.92
21	115.89	0.00	20.0	0.11	0.11	1	0.00	45.0	0.47	0.00	3.81	0.92
22	115.99	0.00	20.0	0.11	0.11	1	0.00	45.0	0.45	0.00	3.72	0.92
23	116.10	0.00	19.8	0.11	0.11	1	0.00	45.0	0.45	0.00	3.68	0.92
24	116.20	0.00	20.0	0.11	0.11	1	0.00	45.0	0.44	0.00	3.63	0.92
25	116.31	0.00	19.5	0.11	0.11	1	0.00	45.0	0.43	0.00	3.50	0.92
26	116.42	0.00	19.5	0.11	0.11	1	0.00	45.0	0.42	0.00	3.41	0.92
27	116.52	0.00	19.3	0.11	0.11	1	0.00	45.0	0.39	0.00	3.23	0.92
28	116.63	0.00	19.5	0.11	0.11	1	0.00	45.0	0.37	0.00	3.03	0.92
29	116.73	0.00	19.2	0.11	0.11	1	0.00	45.0	0.35	0.00	2.85	0.92
30	116.84	0.00	19.2	0.11	0.11	1	0.00	45.0	0.33	0.00	2.66	0.92
31	116.95	0.00	19.0	0.11	0.11	1	0.00	45.0	0.29	0.00	2.39	0.92
32	117.05	0.00	19.0	0.11	0.11	1	0.00	45.0	0.27	0.00	2.20	0.92
33	117.16	0.00	18.7	0.11	0.11	1	0.00	45.0	0.23	0.00	1.92	0.92
34	117.27	0.00	18.7	0.11	0.11	1	0.00	45.0	0.19	0.00	1.60	0.92
35	117.37	0.00	18.7	0.11	0.11	1	0.00	45.0	0.16	0.00	1.31	0.92
36	117.48	0.00	18.5	0.11	0.11	1	0.00	45.0	0.11	0.00	0.94	0.92
37	117.59	0.00	18.5	0.11	0.11	1	0.00	45.0	0.07	0.00	0.56	0.92
38	117.69	0.00	18.2	0.11	0.11	1	0.00	45.0	0.03	0.00	0.24	0.92

X-S Area: 0.11 Path Length: 4.28 X-S Weight: 11.77

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Colorado Ditch
Attn: Bruce Hughes
331 Main St.
Ordway, CO 81063



9590 9402 6507 0346 4877 92

2. Article Number (Transfer from service label)

7022 0410 0001 2407 9313

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee
[Signature]

B. Received by (Printed Name) C. Date of Delivery
NOV 18 2024

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☐ Adult Signature
 - ☐ Adult Signature Restricted Delivery
 - ☐ Certified Mail®
 - ☐ Certified Mail Restricted Delivery
 - ☐ Collect on Delivery
 - ☐ Collect on Delivery Restricted Delivery
 - ☐ Insured Mail
 - ☐ Insured Mail Restricted Delivery (over \$500)
 - ☐ Priority Mail Express®
 - ☐ Registered Mail™
 - ☐ Registered Mail Restricted Delivery
 - ☐ Signature Confirmation™
 - ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Ron Fillmore
63985 Highway 969
Boone, CO 81025



9590 9402 6271 0274 4427 17

2. Article Number (Transfer from service label)

7022 0410 0001 2407 9290

PS Form 3811, July 2020 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee
[Signature]

B. Received by (Printed Name) C. Date of Delivery
Ron Fillmore

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☐ Adult Signature
 - ☐ Adult Signature Restricted Delivery
 - ☐ Certified Mail®
 - ☐ Certified Mail Restricted Delivery
 - ☐ Collect on Delivery
 - ☐ Collect on Delivery Restricted Delivery
 - ☐ Insured Mail
 - ☐ Insured Mail Restricted Delivery (over \$500)
 - ☐ Priority Mail Express®
 - ☐ Registered Mail™
 - ☐ Registered Mail Restricted Delivery
 - ☐ Signature Confirmation™
 - ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt



COLORADO

**Division of Reclamation,
Mining and Safety**

Department of Natural Resources

Documentation of Legal Authority to Execute Financial Warranty Documents

The Colorado Mined Land Reclamation Board ("Board") has adopted the attached Affidavit of Authority to Execute Financial Warranty Documents pursuant to the Mined Land Reclamation Act (C.R.S. § 34-32-101 et. seq.) and the Land Reclamation Act for the Extraction of Construction Materials (C.R.S. § 34-32.5-101 et. seq.). The Board and the Division of Reclamation Mining and Safety ("Division") have determined that, in order to carry out the financial warranty requirements set forth in C.R.S. §§ 34-32-117 and 34-32.5-117 with reasonable diligence, it is prudent to verify the legal authority of the individual signing all necessary documents.

Accordingly, you must provide confirmation of the legal authority of the individual signing all Financial Warranty Documents to the Division. You may do so either by submitting a resolution of the decision-making body of your company that authorizes an individual to sign the Financial Warranty Documents on the company's behalf, or by completing and notarizing the attached affidavit. The Division reserves the right to require the attached affidavit in all circumstances. Please note that if you are a sole proprietor who is executing documents on your own behalf, documentation of legal authority is unnecessary.



Affidavit of Authority to Execute Financial Warranty Documents

Before me this day, the undersigned Brandon Pack [name of authorized person], in his/her capacity as President [title of authorized person] ("Affiant"), personally appeared and, being first duly sworn upon oath said:

1. This affidavit is being executed and submitted on behalf of Oldcastle SW Group, Inc. (dba United Companies) [name of business organization], a(n) Corporation [legal form of business organization, e.g., corporation, partnership, limited liability company, etc.], in good standing in the State of Colorado (the "Company").
2. It is in the interest of the Company to execute certain financial warranty documents associated with file number M-1990-144 (DRMS file number), which are required by the Colorado Mined Land Reclamation Board and Division of Reclamation Mining and Safety pursuant to Colorado law ("Financial Warranty Documents").
3. Affiant is duly authorized to sign such Financial Warranty Documents on behalf of the Company and to bind the Company to the same.
4. Affiant is not prohibited or limited by the Company's governing documents or by any applicable law from executing the Financial Warranty Documents.
5. Affiant will inform the Division of Reclamation Mining and Safety within thirty (30) days in the event that his/her authorization to execute Financial Warranty Documents on the Company's behalf is terminated.

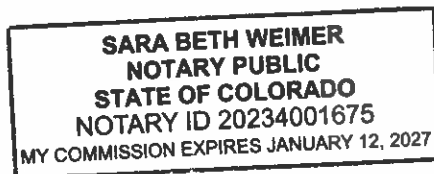
Further, Affiant sayeth not.

Brandon Pack

Affiant's Name

[Signature]
Signature

STATE OF Colorado)
) ss.:
COUNTY OF Jefferson)



The foregoing instrument was acknowledged before me this 31st day of July, 2025,
by Brandon Pack as President of Oldcastle SW Group, Inc. (dba United Companies).

Notary Public Sara Beth Weimer
My Commission Expires January 12, 2027

Boone Fillmore M - 1990-144

**ACTION BY WRITTEN CONSENT
IN LIEU OF AN ANNUAL MEETING OF
THE BOARD OF DIRECTORS
OF
OLDCASTLE SW GROUP, INC.**

The undersigned, being all of the members of the Board of Directors of Oldcastle SW Group, Inc., a Colorado corporation (the “**Corporation**”), do hereby, pursuant to §7-108-202 of the Colorado Business Corporation Act, give this written consent (a) to the dispensation of an annual meeting of the Board of Directors of the Corporation and (b) to the taking of the following actions, such actions to have the same force and effect had a meeting been duly called and held:

I. ELECTION OF OFFICERS

RESOLVED, that effective May 8, 2025, all previous elections of officers are terminated, and the following persons be, and hereby are, elected to serve as officers of the Corporation (each individually, an “**Officer**” and collectively, the “**Officers**”) in the capacities set forth opposite their respective names until such time as their successors shall be elected and qualified:

Brandon Pack	President
Kyle Alpha	Vice President
Joy Trombley	Secretary, Treasurer, Controller
Kyle High	Assistant Secretary
Jeff Keller	Assistant Secretary
Tony Majka	Assistant Secretary
Ilana Overmeyer	Assistant Secretary

FURTHER RESOLVED, that the Officers be, and each of them hereby is, authorized to execute and deliver agreements, contracts, documents, certificates, and other instruments, under the seal of the Corporation if required, for the purpose of conducting the Corporation’s business, including without limitation, selling products and securing construction work, and to take such other action, as they may deem necessary, advisable, convenient, or appropriate to carry out and fully perform duties incident to the office or offices so appointed, and such other duties as may be prescribed by the Board of Directors from time to time;

FURTHER RESOLVED, that the following persons are hereby designated officers solely for the purpose of attesting signatures of other officers on behalf of the Corporation, and for executing and attesting various corporate documents, tax returns, affidavits, and similar such instruments as may be necessary from time to time:

David M. Toolan	Assistant Secretary
Tim P. George	Assistant Secretary

FURTHER RESOLVED, that the President of the Corporation may, from time to time, without further action by the Board of Directors, appoint other persons to serve as authorized employees, or remove any individuals from this capacity, and to direct those appointed to take

such action, as he may deem necessary, advisable, convenient or appropriate to carry out and fully perform the duties incident to the office of President.

II. REMOVALS

RESOLVED, that any current officers of the Corporation not elected in the foregoing resolution are hereby removed.

III. AUTHORIZATION OF TRADE AND DIVISIONAL NAMES

RESOLVED, that the activities and operations of the Corporation may be carried on in any of the following manners or styles as may from time-to-time be deemed necessary or appropriate:

**Asphalt Paving Company
APC Construction Company
APC Southern Construction Company
B&B Excavating
Delta Sand & Gravel Co.
Four Corners Materials
Granby Sand & Gravel
Telluride Gravel
United Companies of Mesa County
United Paving, Incorporated
United Redi-Mix, Inc.
United Sand and Gravel Company, Inc.
United Companies**

FURTHER RESOLVED, that the President of the Corporation may, from time to time, without further action by the Board of Directors, authorize the use of additional trade names, and to deem unauthorized any trade name previously authorized, as he may deem necessary, advisable, convenient or appropriate.

IV. MISCELLANEOUS


RESOLVED, that all actions previously taken by any Officer of the Corporation appointed hereunder in his/her capacity as such Officer be, and each of them hereby is, adopted, ratified, confirmed and approved in all respects as the authorized acts and deeds of the Corporation;

FURTHER RESOLVED, that each undersigned agrees that electronic signatures, whether digital or encrypted, of the Board of Directors are intended to authenticate this consent and to have the same force and effect as manual signatures. As used in the previous sentence, the term "electronic signatures" means any electronic sound, symbol or process attached to or logically associated with this consent and executed and adopted by a member of the Board of Directors with the intent to sign such consent, including, but not limited to, e-mail electronic signatures executed through DocuSign; and

FURTHER RESOLVED, that this Consent, following execution by all of the members of the Board of Directors, be filed in appropriate order in the minute book of the Corporation.

Signed by:

9945E30E1BD4459
Nathan Creech

Signed by:

506E90AE2FBA4D0...
John Rothering