

STATE OF
COLORADO

Girardi - DNR, Chris <chris.girardi@state.co.us>

**RE: CO CIV OF RECLAMATION MINING AND SAFETY LETTER RE PERMIT
APPLICATION PACKAGE 12.2.24**

1 message

Shelly Hoover <Rochelle@erccolorado.net>

Wed, Dec 4, 2024 at 11:29 AM

To: Chris Girardi - DNR <chris.girardi@state.co.us>

Cc: "Jared Ebert (jared.ebert@state.co.us)" <jared.ebert@state.co.us>, scott <scott@farmersres.com>, Lisa Shea <Lisa@erccolorado.net>

Hi Chris

Thank you for taking my calls yesterday and today. Per your letter dated November 25, 2024, please find attached the revised application which includes the following requested changes:

- On Pages 1-8 of the Application, "Farmers Reservoir and Irrigation Company" has been changed to "The Farmers Reservoir and Irrigation Company"
- On Page 4 Item #15 – *List any designated chemicals or acid-producing materials to be used or stored within permit area* has been added.

I will be delivering the revised application to the Weld County Clerk's office, Weld County Board of Commissioners and West Greeley Conservation District today and will email you the proofs of submittal to you tomorrow.

Per our conversation this morning we will go ahead and mail the application via certified mail to Platte Valley.

Also, we made a couple of edits to Exhibit D – Mining Plan pg 12, C-1, C-7 thru C-10. I have attached these pages so you can replace these in your copy.

Thank you

shelly

Shelly Hoover, PE



Ecological Resource Consultants, LLC

12345 W Alameda Pkwy Suite 206 | Lakewood, CO 80228

303-679-4820 x 111

www.erccolorado.net

2 attachments



Farmers Sand M-2024-057 Construction112App rev 12.3.2024.pdf
683K



Farmers Sand M-2024-057 rev pg 12, C-1, C-7 thru C10.pdf
5334K

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



CONSTRUCTION MATERIALS REGULAR (112) OPERATION RECLAMATION PERMIT APPLICATION FORM

CHECK ONE: ☐ There is a File Number Already Assigned to this Operation

Permit # M - - - - - (Please reference the file number currently assigned to this operation)



New Application (Rule 1.4.5)



Amendment Application (Rule 1.10)



Conversion Application (Rule 1.11)

Permit # M -2024-057 - (provide for Amendments and Conversions of existing permits)

The application for a Construction Materials Regular 112 Operation Reclamation Permit contains three major parts: (1) the application form; (2) Exhibits A-S, Addendum 1, any sections of Exhibit 6.5 (Geotechnical Stability Exhibit; and (3) the application fee. When you submit your application, be sure to include one (1) complete signed and notarized ORIGINAL and one (1) copy of the completed application form, two (2) copies of Exhibits A-S, Addendum 1, appropriate sections of 6.5 (Geotechnical Stability Exhibit, and a check for the application fee described under Section (4) below. Exhibits should **NOT** be bound or in a 3-ring binder; maps should be folded to 8 1/2" X 11" or 8 1/2" X 14" size. To expedite processing, please provide the information in the format and order described in this form.

GENERAL OPERATION INFORMATION

Type or print clearly, in the space provided, **ALL** information requested below.

1. **Applicant/operator or company name (name to be used on permit):** The Farmers Reservoir and Irrigation Company

1.1 Type of organization (corporation, partnership, etc.): _____

2. **Operation name (pit, mine or site name):** Farmers Sand

3. **Permitted acreage (new or existing site):** 3208 permitted acres

3.1 Change in acreage (+) 0 acres

3.2 Total acreage in Permit area 3208 acres

4. **Fees:**

4.1 New Application \$2,696.00 application fee

4.2 New Quarry Application \$3,342.00 quarry application

4.4 Amendment Fee \$2,229.00 amendment fee

4.5 Conversion to 112 operation (set by statute) \$2,696.00 conversion fee

5. **Primary commoditie(s) to be mined:** sand & fines 1.6Mtons/yr

5.1 Incidental commoditie(s) to be mined: 1. _____ lbs/Tons/yr 2. _____ / _____ lbs/Tons/yr

3. _____ / _____ lbs/Tons/yr 4. _____ / _____ lbs/Tons/yr 5. _____ / _____ lbs/Tons/yr

5.2 Anticipated end use of primary commoditie(s) to be mined: Sold to O&G and construction companies. See Exhibit D - Mining Plan

5.3 Anticipated end use of incidental commoditie(s) to be mined: _____

6. **Name of owner of subsurface rights of affected land:** The Farmers Reservoir and Irrigation Company
If 2 or more owners, "refer to Exhibit O".

7. **Name of owner of surface of affected land:** The Farmers Reservoir and Irrigation Company, REI LLC, REI Liability CO, Beebe Draw Farms Authority

8. **Type of mining operation:** ☒ Surface ☐ Underground

9. **Location Information:** The center of the area where the majority of mining will occur:

COUNTY: Weld

PRINCIPAL MERIDIAN (check one): ☒ 6th (Colorado) ☐ 10th (New Mexico) ☐ Ute

SECTION (write number): S 03, 04, 09, 10, 11, 14, 15, 22, 23

TOWNSHIP (write number and check direction): T 3.0 ☒ North ☐ South

RANGE (write number and check direction): R 65.0 ☐ East ☒ West

QUARTER SECTION (check one): ☐ NE ☒ NW ☐ SE ☒ SW

QUARTER/QUARTER SECTION (check one): ☐ NE ☒ NW ☐ SE ☐ SW

GENERAL DESCRIPTION: (the number of miles and direction from the nearest town and the approximate elevation): _____

Nearest Town: Platteville 9.6 miles West Elevation 4800.00 feet

10. **Primary Mine Entrance Location** (report in either Latitude/Longitude **OR** UTM):

Latitude/Longitude:

Example: (N) 39° 44' 12.98"
(W) 104° 59' 3.87"

Latitude (N): deg _____ min _____ sec _____._____ (2 decimal places)

Longitude (W): deg _____ min _____ sec _____._____ (2 decimal places)

OR

Example: (N) 39.73691°
(W) -104.98449°

Latitude (N) 40.21825 (5 decimal places)

Longitude(W) -104.65913 (5 decimal places)

OR

Universal Tranverse Mercator (UTM)

Example: 201336.3 E NAD27 Zone 13
4398351.2 N

UTM Datum (specify NAD27, NAD83 or WGS 84) Nad 83 Zone 13

Easting _____

Northing _____

11. **Correspondence Information:**

APPLICANT/OPERATOR (name, address, and phone of name to be used on permit)

Contact's Name: Scott Edgar Title: General Manager
Company Name: The Farmers Reservoir and Irrigation Company
Street/P.O. Box: 80 South 27th Avenue P.O. Box: _____
City: Brighton
State: CO Zip Code: 80601
Telephone Number: (303) - 659-7373
Fax Number: () -

PERMITTING CONTACT (if different from applicant/operator above)

Contact's Name: Lisa Shea Title: Senior Engineer
Company Name: Ecological Resource Consultants
Street/P.O. Box: 12345 W. Alameda Parkway #206 P.O. Box: _____
City: Lakewood
State: CO Zip Code: 80228
Telephone Number: (303) - 679-4820 x110
Fax Number: (720) - 403-9879

INSPECTION CONTACT

Contact's Name: Scott Edgar Title: General Manager
Company Name: The Farmers Reservoir and Irrigation Company
Street/P.O. Box: 80 South 27th Avenue P.O. Box: _____
City: Brighton
State: CO Zip Code: 80601
Telephone Number: (303) - 659-7373
Fax Number: () -

CC: STATE OR FEDERAL LANDOWNER (if any)

Agency: _____
Street: _____
City: _____
State: _____ Zip Code: _____
Telephone Number: () -

CC: STATE OR FEDERAL LANDOWNER (if any)

Agency: _____
Street: _____
City: _____
State: _____ Zip Code: _____
Telephone Number: () -

12. **Primary future (Post-mining) land use (check one):**

- | | | |
|---|--|--|
| <input type="checkbox"/> Cropland(CR) | <input type="checkbox"/> Pastureland(PL) | <input type="checkbox"/> General Agriculture(GA) |
| <input type="checkbox"/> Rangeland(RL) | <input type="checkbox"/> Forestry(FR) | <input type="checkbox"/> Wildlife Habitat(WL) |
| <input type="checkbox"/> Residential(RS) | <input type="checkbox"/> Recreation(RC) | <input type="checkbox"/> Industrial/Commercial(IC) |
| <input checked="" type="checkbox"/> Developed Water Resources(WR) | | <input type="checkbox"/> Solid Waste Disposal(WD) |

13. **Primary present land use (check one):**

- | | | |
|---|--|--|
| <input type="checkbox"/> Cropland(CR) | <input type="checkbox"/> Pastureland(PL) | <input type="checkbox"/> General Agriculture(GA) |
| <input type="checkbox"/> Rangeland(RL) | <input type="checkbox"/> Forestry(FR) | <input type="checkbox"/> Wildlife Habitat(WL) |
| <input type="checkbox"/> Residential(RS) | <input type="checkbox"/> Recreation(RC) | <input type="checkbox"/> Industrial/Commercial(IC) |
| <input checked="" type="checkbox"/> Developed Water Resources(WR) | | |

14. **Method of Mining:** Briefly explain mining method (e.g. truck/shovel): Dredge equipped with a cutter head & suction to remove solids as slurry from reservoir bottom & pumped to dewatering ponds - See Exhibit D - Mining Plan.

15. **On Site Processing:** ☐ Crushing/Screening Slurry is currently being dewatered using settling ponds and a vortex cyclone. Future plans are to install a sand plant. Dewatered material is hauled and placed in stockpiles. See Exhibit D - Mining Plan.

List any designated chemicals or acid-producing materials to be used or stored within permit area: Fuel - 12,000 gallons, four - five 55-gal drums motor & hydraulic oil, one 55-gal drum brake cleaner, two 5-gal buckets of cleaning liquid

16. **Description of Amendment or Conversion:**

If you are amending or converting an existing operation, provide a brief narrative describing the proposed change(s).

N/A

Certification:

As an authorized representative of the applicant, I hereby certify that the operation described has met the minimum requirements of the following terms and conditions:

1. To the best of my knowledge, all significant, valuable and permanent man-made structure(s) in existence at the time this application is filed, and located within 200 feet of the proposed affected area have been identified in this application (Section 34-32.5-115(4)(e), C.R.S.).
2. No mining operation will be located on lands where such operations are prohibited by law (Section 34-32.5-115(4)(f), C.R.S.;
3. As the applicant/operator, I do not have any extraction/exploration operations in the State of Colorado currently in violation of the provisions of the Colorado Land Reclamation Act for the Extraction of Construction Materials (Section 34-32.5-120, C.R.S.) as determined through a Board finding.
4. I understand that statements in the application are being made under penalty of perjury and that false statements made herein are punishable as a Class 1 misdemeanor pursuant to Section 18-8-503, C.R.S.

This form has been approved by the Mined Land Reclamation Board pursuant to section 34-32.5-112, C.R.S., of the Colorado Land Reclamation Act for the Extraction of Construction Materials. Any alteration or modification of this form shall result in voiding any permit issued on the altered or modified form and subject the operator to cease and desist orders and civil penalties for operating without a permit pursuant to section 34-32.5-123, C.R.S.

Signed and dated this 4 day of December, 2024.

The Farmers Reservoir and Irrigation Company
Applicant/Operator or Company Name

If Corporation Attest (Seal)

Signed: [Signature]

Title: General Manager

State of Colorado)

County of Adams) ss.

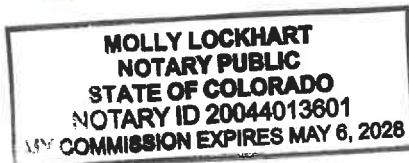


Signed: Diana Medina

Corporate Secretary or Equivalent

Town/City/County Clerk

The foregoing instrument was acknowledged before me this 4 day of December, 2024, by Scott Edgar as General Manager of The Farmers Reservoir & Irrigation Company



[Signature]
Notary Public

My Commission expires: May 6, 2028

SIGNATURES MUST BE IN BLUE INK

You must post sufficient Notices at the location of the proposed mine site to clearly identify the site as the location of a

will be an ongoing process throughout the mining operation as ground conditions evolve. Additionally, interim sediment control BMPs will be installed as needed to manage sediment and erosion during construction and until the site has been stabilized. The plan includes seven stockpiles, as illustrated in **Drawings C-10 and C-11**. **Table 4.1** provides the available volume, approximate maximum height, and footprint area for each stockpile.

Figure 4.2: Stockpile Development Constructed from Cyclone Underflow



Table 4.1: STOCKPILE GEOMETRY

Stockpile	Available Volume (cy)	Approx. Maximum Height (ft)	Area (ft ²)	Area (ac)	Perimeter Length (ft)	Comments
Stockpile 1	700,000	40	790,000	18.1	4,870	Filled 2021 - 2024
N1	4,400,000	110	2,700,000	62.0	10,113	Partially Filled 2024
N2	950,000	90	750,000	17.2	4,000	
N3	12,000,000	150	3,940,000	90.4	8,350	
N4	4,900,000	150	1,910,000	43.8	5,520	
West	1,000,000	40	1,300,000	29.8	9,790	
East	2,300,000	120	1,200,000	27.5	4,300	
DS Embank	863,000	50	583,000	13.4	2,700	
TOTAL	27,113,000		13,173,000	302.4		

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REV	DATE	DESCRIPTION
B	12/03/24	RE-ISSUED FOR MINE PERMIT
A	11/01/24	ISSUED FOR MINE PERMIT



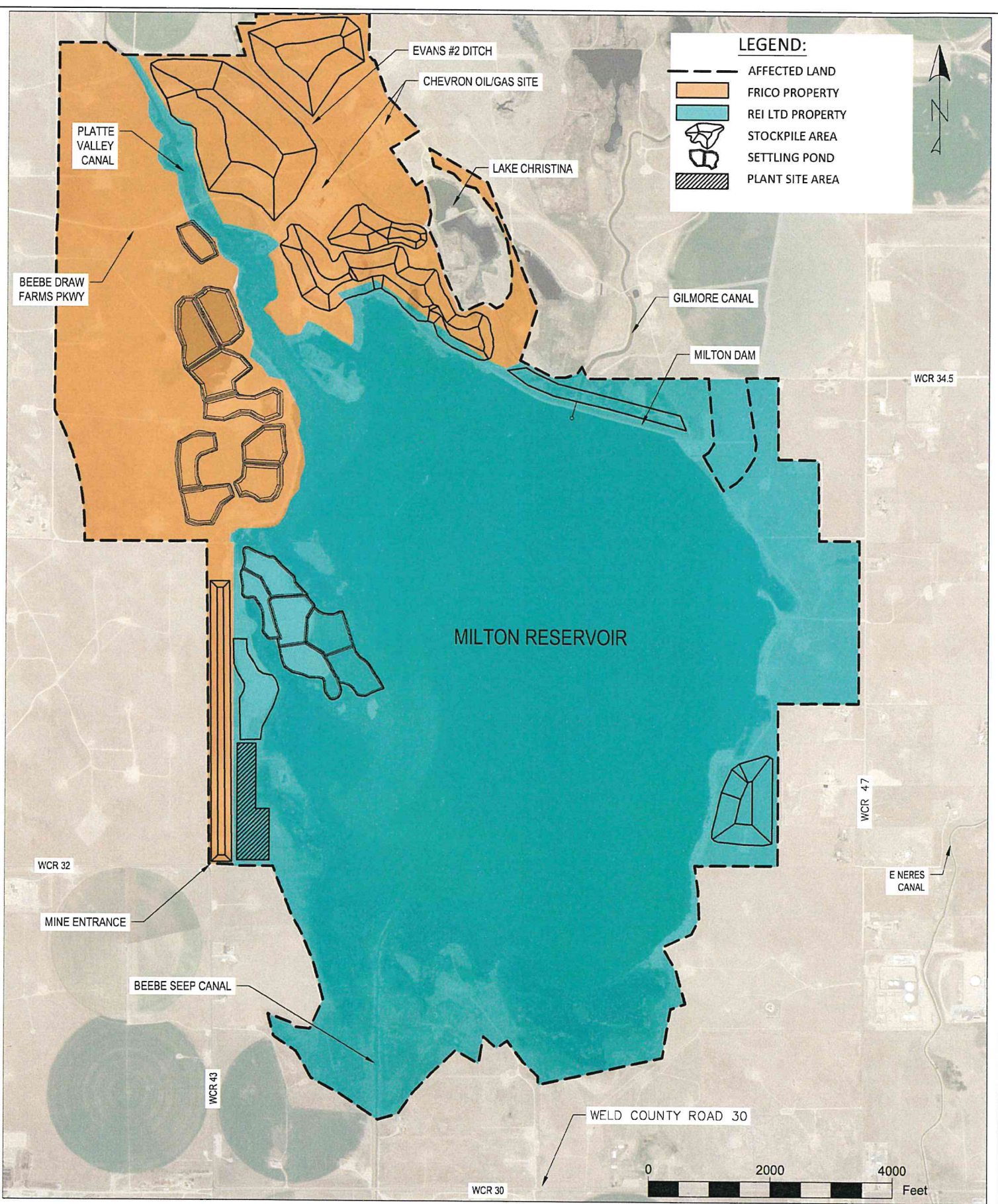
PREPARED BY
ECOLOGICAL RESOURCES CONSULTANTS, LLC
12345 W ALAMEDA PARKWAY SUITE 206
LAKEWOOD, CO 80228

CLIENT
FARMERS RESERVOIR AND
IRRIGATION COMPANY (FRICO)

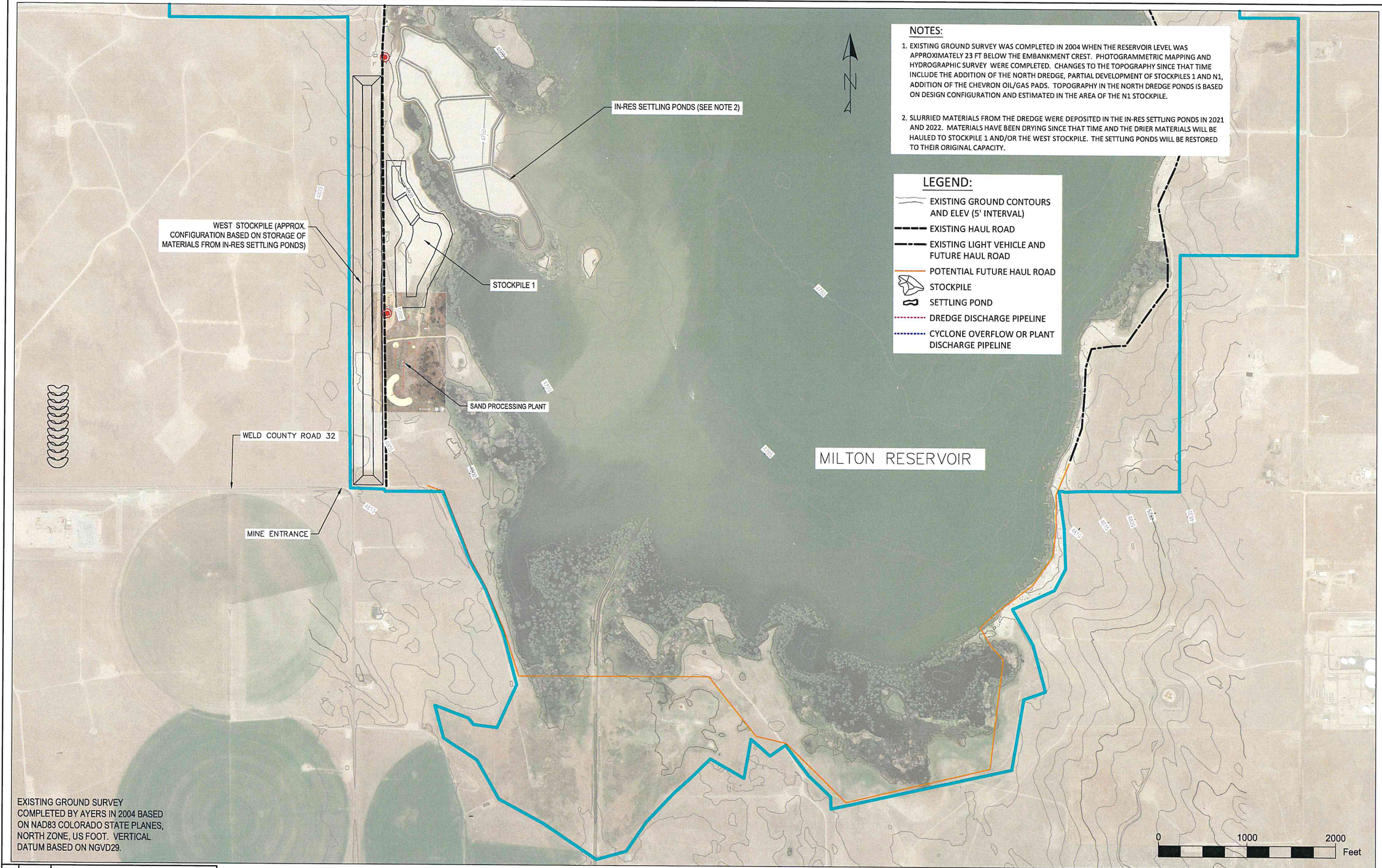
PROJECT
FARMERS SAND

TITLE
GENERAL ARRANGEMENT

SHEET
C-1



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NOTES:

1. EXISTING GROUND SURVEY WAS COMPLETED IN 2004 WHEN THE RESERVOIR LEVEL WAS APPROXIMATELY 23 FT BELOW THE EMBANKMENT CREST. PHOTOGRAMMETRIC MAPPING AND HYDROGRAPHIC SURVEY WERE COMPLETED. CHANGES TO THE TOPOGRAPHY SINCE THAT TIME INCLUDE THE ADDITION OF THE NORTH DREDGE, PARTIAL DEVELOPMENT OF STOCKPILES 1 AND N1, ADDITION OF THE CHEVRON OIL/GAS PADS. TOPOGRAPHY IN THE NORTH DREDGE PONDS IS BASED ON DESIGN CONFIGURATION AND ESTIMATED IN THE AREA OF THE N1 STOCKPILE.

2. SLURRIED MATERIALS FROM THE DREDGE WERE DEPOSITED IN THE IN-RES SETTLING PONDS IN 2021 AND 2022. MATERIALS HAVE BEEN DRYING SINCE THAT TIME AND THE DRIER MATERIALS WILL BE HAULED TO STOCKPILE 1 AND/OR THE WEST STOCKPILE. THE SETTLING PONDS WILL BE RESTORED TO THEIR ORIGINAL CAPACITY.

LEGEND:

- EXISTING GROUND CONTOURS AND ELEV (5' INTERVAL)
- EXISTING HAUL ROAD
- EXISTING LIGHT VEHICLE AND FUTURE HAUL ROAD
- POTENTIAL FUTURE HAUL ROAD
- STOCKPILE
- SETTLING POND
- DREDGE DISCHARGE PIPELINE
- CYCLONE OVERFLOW OR PLANT DISCHARGE PIPELINE

EXISTING GROUND SURVEY COMPLETED BY AYERS IN 2004 BASED ON NAD83 COLORADO STATE PLANES, NORTH ZONE, US FOOT. VERTICAL DATUM BASED ON NGVD29.

REV	DATE	DESCRIPTION
A	11/01/24	ISSUED FOR MINE PERMIT



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ECOLOGICAL RESOURCES CONSULTANTS, LLC
12345 W ALAMEDA PARKWAY SUITE 206
LAKEWOOD, CO 80228

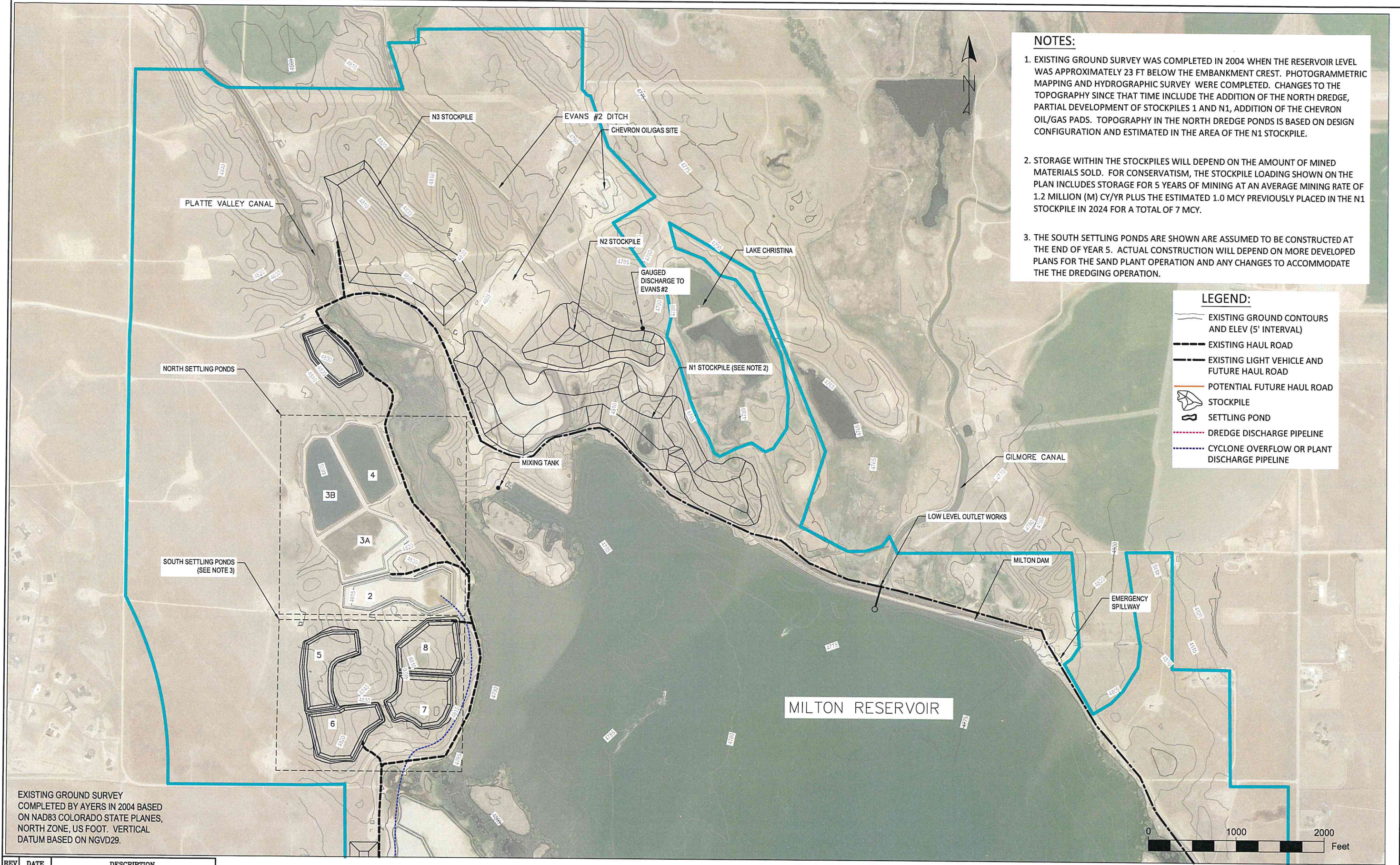
CLIENT
FARMERS RESERVOIR AND IRRIGATION COMPANY (FRICO)

PROJECT
FARMERS SAND

TITLE
END OF 2025 PLAN SOUTH SIDE

SHEET
C-7

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REV	DATE	DESCRIPTION
A	11/01/24	ISSUED FOR MINE PERMIT



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ECOLOGICAL RESOURCES CONSULTANTS, LLC
12345 W ALAMEDA PARKWAY SUITE 206
LAKEWOOD, CO 80228

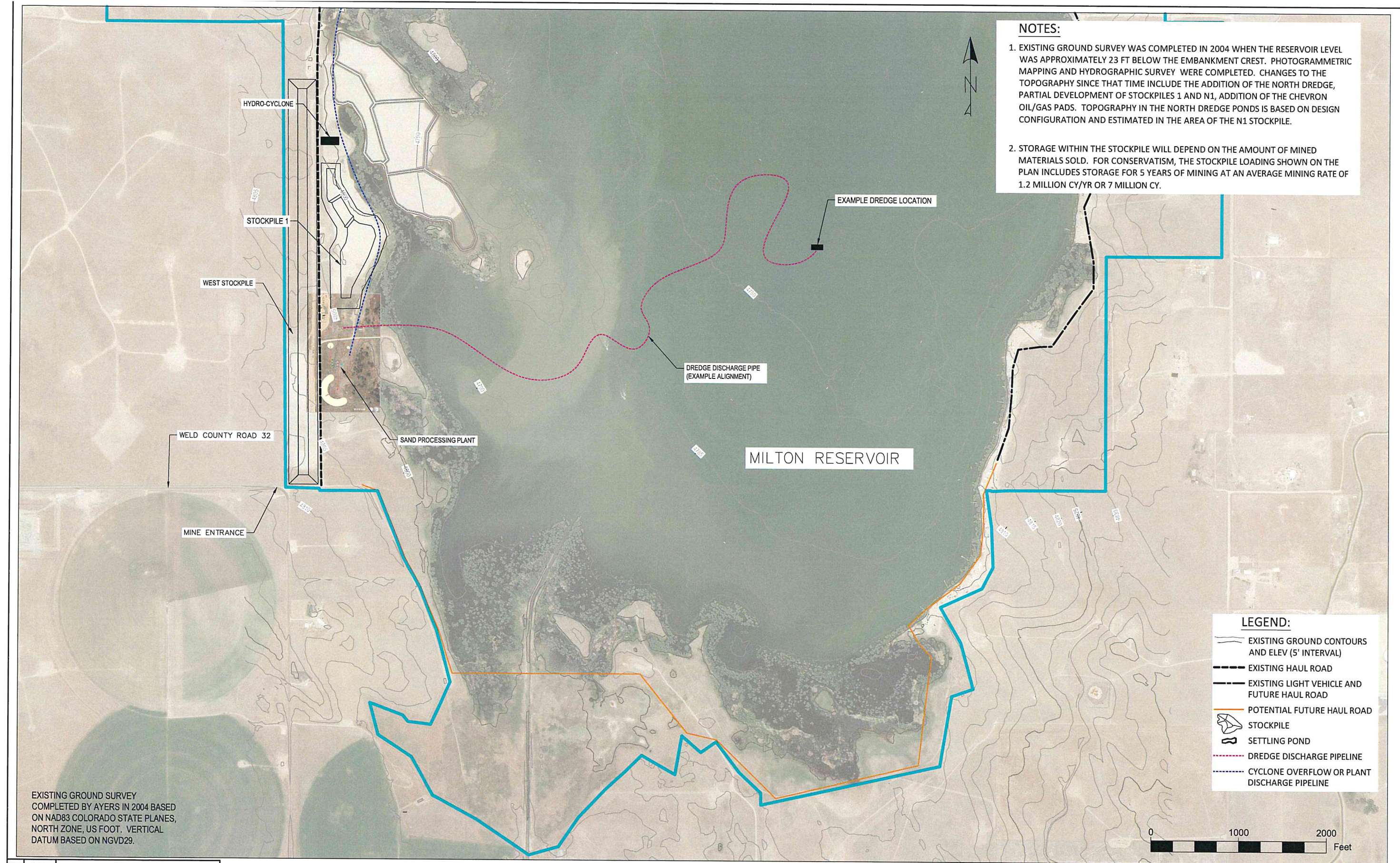
CLIENT
FARMERS RESERVOIR AND IRRIGATION COMPANY (FRICO)

PROJECT
FARMERS SAND

TITLE
END OF YEAR 5 PLAN
NORTH SIDE

SHEET
C-8

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NOTES:

1. EXISTING GROUND SURVEY WAS COMPLETED IN 2004 WHEN THE RESERVOIR LEVEL WAS APPROXIMATELY 23 FT BELOW THE EMBANKMENT CREST. PHOTOGRAMMETRIC MAPPING AND HYDROGRAPHIC SURVEY WERE COMPLETED. CHANGES TO THE TOPOGRAPHY SINCE THAT TIME INCLUDE THE ADDITION OF THE NORTH DREDGE, PARTIAL DEVELOPMENT OF STOCKPILES 1 AND N1, ADDITION OF THE CHEVRON OIL/GAS PADS. TOPOGRAPHY IN THE NORTH DREDGE PONDS IS BASED ON DESIGN CONFIGURATION AND ESTIMATED IN THE AREA OF THE N1 STOCKPILE.

2. STORAGE WITHIN THE STOCKPILE WILL DEPEND ON THE AMOUNT OF MINED MATERIALS SOLD. FOR CONSERVATISM, THE STOCKPILE LOADING SHOWN ON THE PLAN INCLUDES STORAGE FOR 5 YEARS OF MINING AT AN AVERAGE MINING RATE OF 1.2 MILLION CY/YR OR 7 MILLION CY.

EXISTING GROUND SURVEY
COMPLETED BY AYERS IN 2004 BASED
ON NAD83 COLORADO STATE PLANES,
NORTH ZONE, US FOOT. VERTICAL
DATUM BASED ON NGVD29.

REV	DATE	DESCRIPTION
A	11/01/24	ISSUED FOR MINE PERMIT



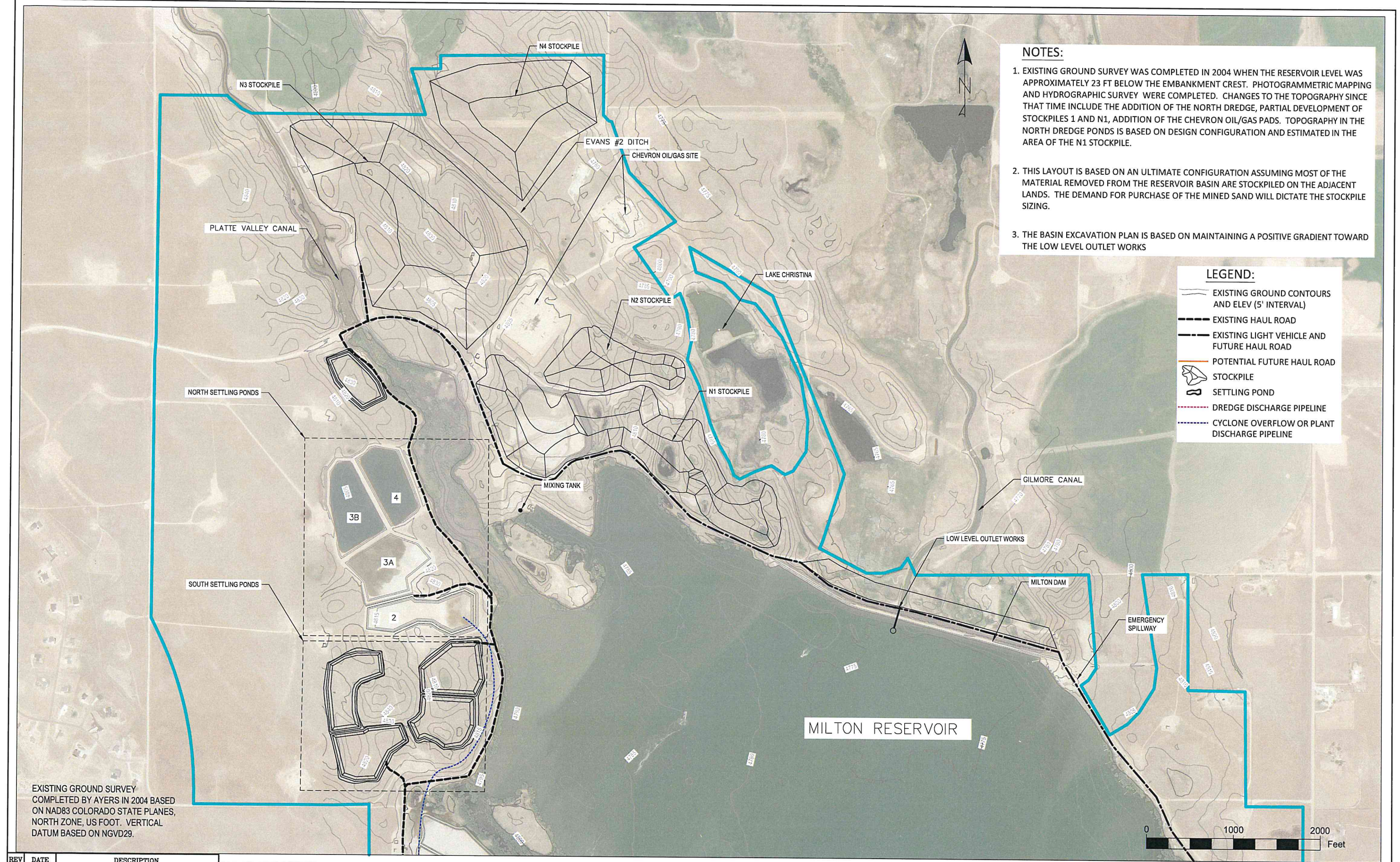
PREPARED BY
ECOLOGICAL RESOURCES CONSULTANTS, LLC
12345 W ALAMEDA PARKWAY SUITE 206
LAKEWOOD, CO 80228


CLIENT
FARMERS RESERVOIR AND
IRRIGATION COMPANY (FRICO)

PROJECT
FARMERS SAND

TITLE
END OF YEAR 5 PLAN
SOUTH SIDE

SHEET
C-9



REV	DATE	DESCRIPTION	 <p> PREPARED BY ECOLOGICAL RESOURCES CONSULTANTS, LLC 12345 W ALAMEDA PARKWAY SUITE 206 LAKEWOOD, CO 80228 </p>	CLIENT	PROJECT	TITLE	SHEET
				FARMERS RESERVOIR AND IRRIGATION COMPANY (FRICO)	FARMERS SAND	ULTIMATE LAYOUT PLAN NORTH SIDE	C-10
A	11/01/24	ISSUED FOR MINE PERMIT					