



STATE OF
COLORADO

Lennberg - DNR, Patrick <patrick.lennberg@state.co.us>

NEEDED UPDATES-AM1 Kirtright Pit

Lennberg - DNR, Patrick <patrick.lennberg@state.co.us>

Fri, Aug 8, 2025 at 6:02 AM

To: Peter Wayland <pwayland@weilandinc.com>

Good Morning Peter,

During one last review of the submitted materials I caught a couple of items that need to be updated:

1-So there appears to be a discrepancy on the total number of acres being added to the permit. The online submittal has the permit acreage going from 77.97 to 97.39 for a total of 19.42 acres being added. Response 1a states that 20.95 acres are being added. Map C-1 states the total acres of the proposed permit are 97.39 acres but lower down it states the acres being added are 20.95.

2-Map C-2 the acres do not correspond to what is currently being proposed; it needs to be updated for consistency.

3-The application page, page 1 (pdf page 7 of 72), needs to be updated based on the resolution for item 1.

4-Exhibit A is missing the mine entrance coordinates.

Please resolve these items today.

I am available most of today if needed to discuss further.

Thank you,
Patrick

--

Patrick Lennberg
Environmental Protection Specialist



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

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STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY

Department of Natural Resources

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CONSTRUCTION MATERIALS REGULAR (112) OPERATION RECLAMATION PERMIT APPLICATION FORM

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

Permit # M1986 - 123 (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 1986 123 - _____ (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):** Coulson Excavating Co., Inc.
 - 1.1 Type of organization (corporation, partnership, etc.): Corporation
2. **Operation name (pit, mine or site name):** Kirtright Pit
3. **Permitted acreage (new or existing site):**

	<u>77.97</u>	permitted acres
3.1 Change in acreage (+)	<u>19.42</u>	acres
3.2 Total acreage in Permit area	<u>97.39</u>	acres
4. **Fees:**

4.1 New Application	<u>\$2,696.00</u>	application fee
4.2 New Quarry Application	<u>\$3,342.00</u>	quarry application
4.4 Amendment Fee	<u>\$2,229.00</u>	amendment fee
4.5 Conversion to 112 operation (set by statute)	<u>\$2,696.00</u>	conversion fee
5. **Primary commoditie(s) to be mined:** SAND GRAVEL
 - 5.1 Incidental commoditie(s) to be mined:

1. <u>N/A</u>	-	<u>lbs/Tons/yr</u>	2. <u>/</u>	<u>lbs/Tons/yr</u>	
3. <u>/</u>	<u>lbs/Tons/yr</u>	4. <u>/</u>	<u>lbs/Tons/yr</u>	5. <u>/</u>	<u>lbs/Tons/yr</u>

| 5.2 Anticipated end use of primary commoditie(s) to be mined: | CONSTRUCTION | | | | |
| 5.3 Anticipated end use of incidental commoditie(s) to be mined: | NA | | | | |

The permit area and affected area has been expanded to include 12.82 additional acres northeast of the historical permit boundary (in addition to the 6.6 acres previously proposed, for a total of 19.42 acres beyond existing permit boundaries) as shown in the revised Exhibit C-1 (this 12.82 area, the "New Northeast Area"). Reclamation of the material piles have been addressed in the revised Exhibits E and F.

2. The current maximum affected acreage for the permit is 79.8 acres. Please clarify if it is the intent of the Amendment to reduce the maximum affected acreage from 79.8 acres to less than that amount? Please clearly state the new maximum affected acreage, the areas that make up the new affected area, and update Map C-1 to include a table that clearly indicates the areas and total that make up the affected area. The Division recommends the permit area and affected land area be equal, ensuring that any additional reclamation activities in other areas of the permit, if needed, will not require an amendment prior to initiating those activities.

Yes, it is the intention of this amendment to reduce the affected area from 79.8 acres to 51.84 acres. Per Rule 1.1(3) the affected land, "means the surface of an area within the state where a mining operation is being or will be conducted, which surface is disturbed as a result of such operation." The rule also states, "All lands shall be excluded that would be otherwise included as land affected but which have been reclaimed in accordance with an approved plan or otherwise, as may be approved by the Board."

The areas included in the current affected area are shown in Exhibit C-1 and are shaded light grey. The areas removed from the affected area are not shaded and include Pond 2, Pond 3, Pond 4 (Ponds); the fields north of Lacey Lane that have never been mined or otherwise disturbed; the structures and land adjacent to Randy Kirtright and Linda O'Brien's residences; and the future site of residential structures proposed by Randy Kirtright. CEC contends that the areas removed from the historically defined affected area meets rule 3.1 Reclamation Performance Standards as follows;

1. Ponds 2, 3 and 4 and Adjacent Lands

Rule 3.1.5 Reclamation Measures - Materials Handling (7) states, "Maximum slopes and slope combinations shall be compatible with the configuration of surrounding conditions and selected land use. In all cases where a lake or pond is produced as a portion of the Reclamation Plan, all slopes, unless otherwise approved by the Board or Office, shall be no steeper than a ratio of 2:1 (horizontal to vertical ratio), except from 5 feet above to 10 feet below the expected water line where slopes shall be not steeper than 3:1. If a swimming area is proposed as a portion of the Reclamation Plan, the slope, unless otherwise approved by the Board or Office, shall be no steeper than 5:1 throughout the area proposed for swimming, and a slope no steeper than 2:1 elsewhere in the pond."

A slope analysis of the pond slopes was done based on 2024 lidar based topography. The results are called out in Exhibit C-1. The majority of the slopes were found to be 3H:1V or flatter. Some areas do show steeper slopes, however they are not steeper than 2H:1V. It is understood that the rule requires 3H:1V slopes in these areas, however all of the slopes steeper than 3H:1V have well established willows and wetland plants which provide excellent slope

6.4.1 Exhibit A – Legal Description

The permit area includes four separate parcels of land. The western two parcels and the easternmost parcel are owned by Randy Kirtright and the middle parcel is owned by The O'Brien Living Trust.

The Permit Boundary is more specifically described as:

Beginning at a point whose Northing is 1387588.698 and whose Easting is 3143868.605 ;

thence bearing S 0-5-45.924 E a distance of 1302.715 ;

thence bearing S 89-29-8.134 W a distance of 2547.674 ;

thence bearing N 0-8-6.865 E a distance of 798.688 ;

thence bearing N 0-8-3.789 E a distance of 201.413 ;

thence bearing N 3-35-27.954 E a distance of 316.757 ;

thence bearing N 3-35-27.954 E a distance of 56.666 ;

thence bearing N 39-4-56.147 E a distance of 279.295 ;

thence bearing N 55-32-36.796 E a distance of 127.198 ;

thence bearing N 59-27-20.775 E a distance of 164.681 ;

thence bearing N 64-57-33.084 E a distance of 48.746 ;

thence bearing N 79-17-56.848 E a distance of 166.432 ;

thence bearing S 35-37-55.355 E a distance of 295.003 ;

thence bearing S 35-57-34.892 E a distance of 123.876 ;

thence bearing S 8-1-43.679 E a distance of 138.537 ;

thence bearing N 89-47-5.330 E a distance of 248.192 ;

thence bearing N 34-50-17.485 E a distance of 290.593 ;

thence bearing N 54-48-34.096 E a distance of 339.410 ;

thence bearing N 59-50-26.107 E a distance of 247.920 ;

thence bearing N 89-49-59.974 E a distance of 599.533 ;

thence bearing N 26-8-2.938 E a distance of 93.240 ;

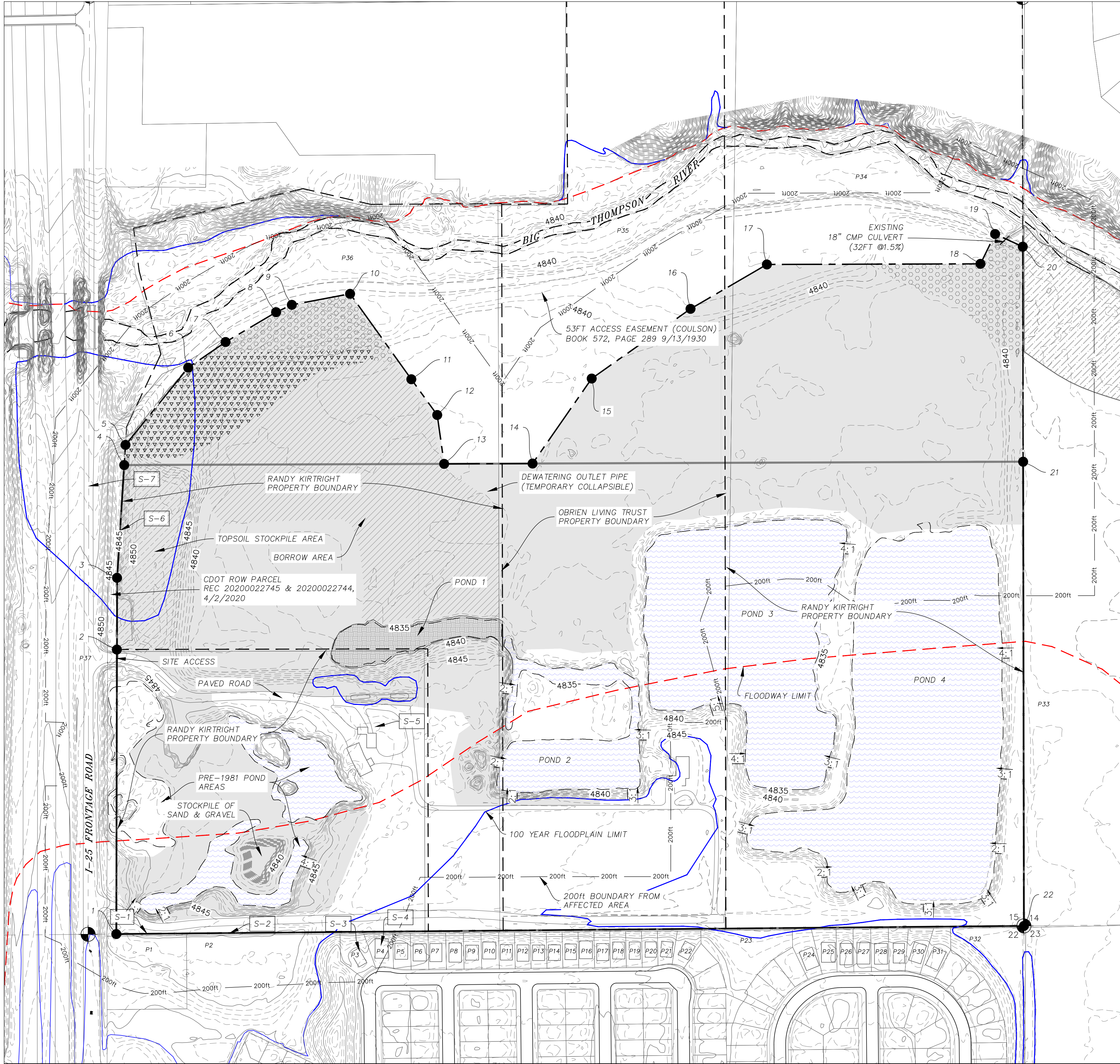
thence bearing S 65-23-55.248 E a distance of 85.402 ;

thence bearing S 0-5-45.924 E a distance of 603.475 to the point of beginning.

The permit boundary includes 97.39 acres of land.

The affected land includes 51.84 acres and is shown in Exhibit C-1.

The mine entrance is located at the following UTM NAD83 (2011), Zone 13 (meter) coordinates: Northing: 4,471,568.922(m), Easting: 500,609.041(m)



ADJOINING LAND OWNERS	
MAP KEY	OWNER
P1	WIENS ENTERPRISES LLC
P3	LUNA MARIA AZUCENA
P4	JOHNSON DWIGHT E/KAREN K
P5	SANCHEZ MARISSA
P6	SADUSKY RYAN/MARISSA
P7	RYNDERS PAUL/BERNICE JEAN
P8	BRANDT PENNY JO
P9	ONEILL MARTHA C
P10	GREENE JEFFREY S
P11	WALSH ANGELA M
P12	LYNCH BRANDON M/WHITNEY P
P13	SPITZER ERIC J
P14	ALARCON PHILLIP/ADA
P15	SCHNULLE KERRI L
P16	DELIIMA BENJAMIN J JR
P17	SMITH MEGAN HOPE
P18	ISENBERG WILLIAM D
P19	HUNTER ROBERT A/MINDY L
P2,P23,P32	THOMPSON CROSSING METRO DISTRICT No. 3
P20	PARR PATRICK J/ERIN
P21	POTTER JENNIFER J/JASON
P22	COSPER THOMAS/DESTAINE
P24	BECKER MICA A/BONNIE J
P25	HALL GARY K/DARLENE L
P26	GRAFF GRAYSON/CAROLYNN L
P27	ORTIZ JACUELINE VILLAN
P28	REINDL KURTIS SCOTT
P29	SAYLER TROY M/TRACEY J
P30	GREEN MATTHEW R
P31	LEE MING FAI
P33	COULSON RICHARD L/KENNETH L
P34,P36	KIRTRIGHT RANDY A
P35	OBRIEN LIVING TRUST THE
P37	CDOT ASSET MANAGEMENT

LEGEND	
-----	EXISTING TOPOGRAPHIC CONTOUR 5FT*
-----	EXISTING TOPOGRAPHIC CONTOUR 1FT*
----	EXISTING POND/WATER
---	EXISTING BARBED WIRE FENCE
---	EXISTING ONSITE PARCEL BOUNDARY
---	EXISTING OFFSITE PARCEL BOUNDARY
---	EXISTING LIMIT OF FLOODWAY
---	EXISTING LIMIT OF 100 YR FLOODPLAIN
---	EXISTING PERMIT BOUNDARY (77.97 ACRES)
o o o o o	EXISTING 300FT PMJM BUFFER AREA
v v v v v	EXISTING PMJM VARIANCE TO BUFFER AREA
---	PROPOSED PERMIT BOUNDARY (97.39 ACRES)
---	AFFECTED AREA (SEE TABLE BELOW)
---	200ft
---	200FT BOUNDARY FROM AFFECTED LAND
---	TOPSOIL STOCKPILE AREA ~11,665 NET YD
---	BORROW AREA ~9,000 YD
---	BACKFILL AREA 0.98 ACRES

PERMANENT MAN-MADE STRUCTURES WITHIN 200FT		
MAP KEY	STRUCTURE	OWNER
S-1	FENCE	WIENS ENTERPRISES LLC
S-2	FENCE	THOMPSON CROSSING METRO DISTRICT No. 3
S-3	HOUSE	LUNA MARIA AZUCENA
S-4	HOUSE	JOHNSON DWIGHT E/KAREN K
S-5	HOUSE	KIRTRIGHT RANDY A
S-6	FENCE	CDOT ASSET MANAGEMENT
S-7	ROADWAY	CDOT ASSET MANAGEMENT
S-8	HOUSE	OBRIEN LIVING TRUST

ACREAGES	
TOTAL PERMIT AREA	97.39 ACRES
AFFECTED AREAS	
PRE-1981 POND AREA	5.93 ACRES
NEW PERMIT AREA	19.42 ACRES
REMAINING AREAS	24.96 ACRES
TOTAL AFFECTED AREA	51.84 ACRES

NOTES	
1. THE GROUND SURFACE IN THE AFFECTED AREA IS PRIMARILY COVERED WITH PASTURE GRASS. THE GRASS IS SPARSE IN THE AREAS NORTH OF PONDS 2, 3 AND 4. THE GROUND SURFACE IN THE PRE-1981 POND AREA IS MOSTLY UN-VEGETATED SANDY GRAVEL DEPOSITED BY THE 21013 FLOOD.	
2. SEE EXHIBIT C-2 FOR AN AERIAL IMAGE OF THE SITE SHOWING THE DENSITY OF GRASS AS WELL AS THE ESTABLISHED WILLOWS ON THE POND SLOPES.	

PERMIT BOUNDARY POINTS OF INTERSECTION		
Point Number	Latitude	Longitude
1	N40.392584	W104.992627
2	N40.394777	W104.992604
3	N40.395329	W104.992598
4	N40.396197	W104.992521
5	N40.396352	W104.992507
6	N40.396944	W104.991870
7	N40.397140	W104.991492
8	N40.397368	W104.990981
9	N40.397424	W104.990822
10	N40.397506	W104.990234
11	N40.396845	W104.989622
12	N40.396569	W104.989363
13	N40.396192	W104.989297
14	N40.396190	W104.988405
15	N40.396842	W104.987804
16	N40.397375	W104.986805
17	N40.397713	W104.986032
18	N40.397709	W104.983880
19	N40.397938	W104.983731
20	N40.397839	W104.983453
21	N40.396182	W104.983462
22	N40.392607	W104.983481

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



PO BOX 18087
BOULDER, CO 80308
ph 303-443-9521

KIRTRIGHT PIT AMENDMENT REGULAR 112 PERMIT APPLICATION

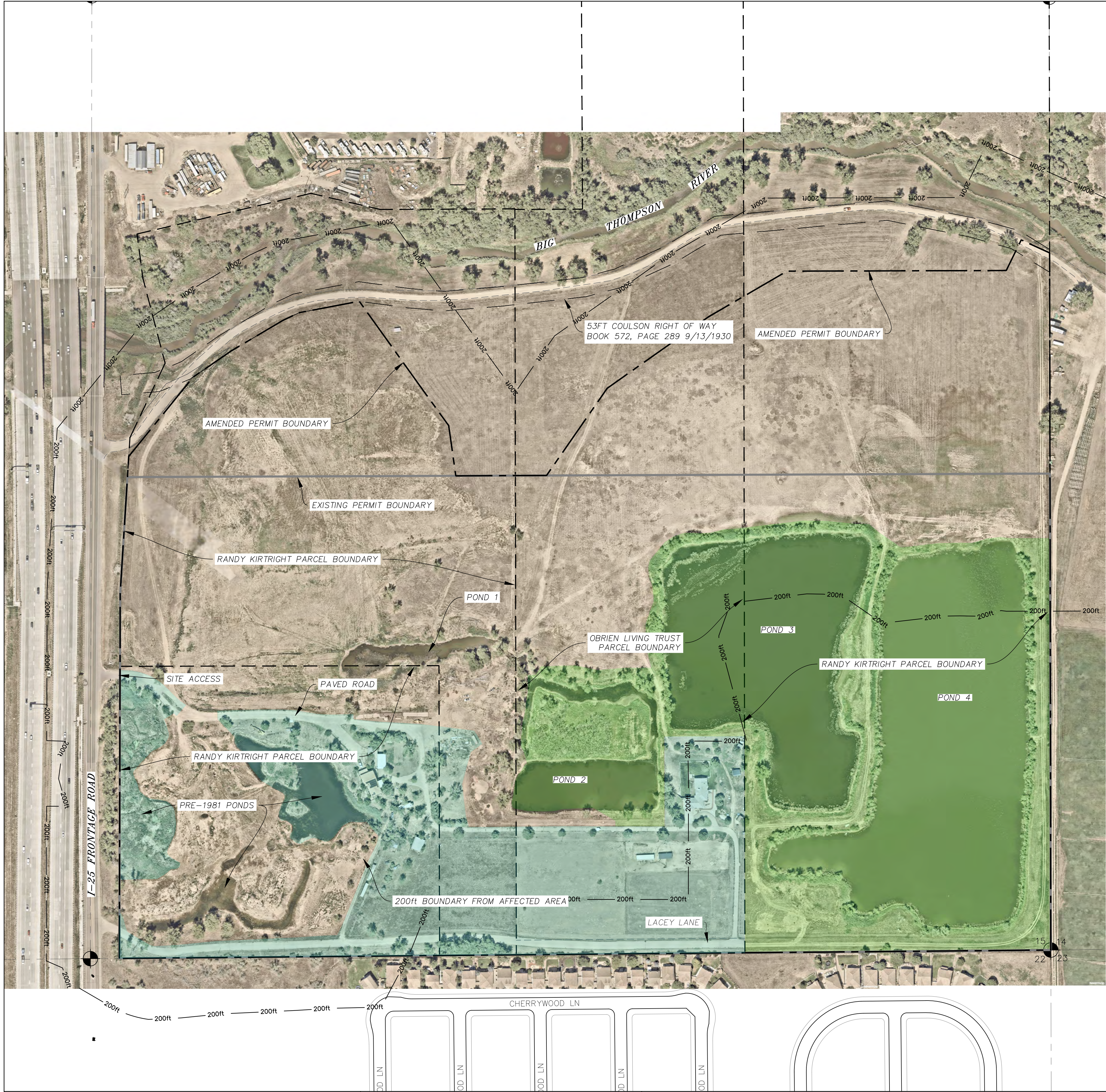
LARIMER COUNTY, CO

COULSON EXCAVATING CO, INC

PREPARED FOR:

EXHIBIT C-1 PRE-MINING PLAN MAP

SCALE 1"=150'	DWG NO. EXHIBIT C-1.DWG	REV REV
DRAWN BY: CTW	CHECKED BY: PFW	DATE: 08/08/2025
SHEET 1 OF 1		



LEGEND

EXISTING BARBED WIRE FENCE

EXISTING PARCEL BOUNDARY

EXISTING PERMIT BOUNDARY (77.97 ACRES)

PROPOSED PERMIT BOUNDARY (97.39 ACRES)

200ft 200FT BOUNDARY FROM AFFECTED LAND

AREA NEVER MINED OR AFFECTED

AREA WHICH WAS PREVIOUSLY AFFECTED AND HAS BEEN RECLAIMED

NOTE: THE AREAS WITHOUT HATCH DELINEATE THE AREAS WHICH WILL BE AFFECTED BY RECLAMATION ACTIVITIES AS DEFINED IN AMENDMENT-1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

WSI Weiland, Inc.
Environmental & Engineering

PO BOX 18087
BOULDER, CO 80308
ph 303-443-9521

KIRTRIGHT PIT AMENDMENT
REGULAR 112 PERMIT APPLICATION

LARIMER COUNTY, CO

COULSON EXCAVATING CO, INC

EXHIBIT C-2
8/14/2024 AERIAL PHOTO MAP

SCALE
1"-150'

DWG NO.
EXHIBIT C-2.DWG

DATE
8/08/2025

SHEET
1 OF 1

DRAWN BY
CTW

CHECKED BY
PFW

REV.
REV