



Colorado Springs Utilities

It's how we're all connected

9 November 2023

Hunter Ridley
Division of Reclamation, Mining and Safety
1001 E 62nd Ave, Rm 215
Denver, CO 80216
Submitted via email to hunter.ridley@state.co.us

RE: Adequacy Review; 112 Construction Materials Amendment (AM-01); Clear Spring Ranch Pit; DRMS File No. M-1992-074

Dear Ms. Ridley,

In response to your Adequacy Review dated October 24, 2023, enclosed is the updated application material and proof of notices for the Permit Amendment Package for Permit M-1992-074. Responses to your comments are provided in **red** below and reflected in the attached documents.

1. The Division found the application for AM-01 complete on October 17, 2023. Pursuant to Rule 1.6.2(1)(g), upon completeness City of Colorado Springs is required to publish a Public Notice for four consecutive weeks which will initiate a 20 day comment period from the date of the last publication. As of the date of this letter, the Division has yet to receive a proof of publication of the public notice for AM-01. Please provide the Division with a copy of the public notice to ensure that the Public Notice was published as required. **A copy of the proof of the ad publication, listing the dates the notice was published, along with the text of the notice, is attached to this response. The final publication will be on 11/19/23, initiating the 20-day comment period.**
2. Please provide proof of notice to the entities listed under Rule 1.6.2(1)(e). In this case, the following will need to be notified: City of Fountain, Fountain Colony, and CO Part Inc. **Evidence of notification to the City of Fountain is attached. The other owners noted are located over 200 feet away from the Affected Area and were therefore, not noticed.**

6.4.3 Exhibit C - Pre-mining and Mining Plan Map(s) of Affected Land & 6.4.6 Exhibit F- Reclamation Plan Map

3. Pursuant to Rule 6.4.3(d) and Rule 6.4.6, Mining and Reclamation Plan Maps must portray the total area of affected land. This includes all phases of the total scope of mining, both current and proposed. Please submit additional Mining and Reclamation Plan Maps which show the full scope of the Operation. A match line may be utilized to conserve detail within individual maps or a new map which shows the entirety of the Operation may be submitted. **Revised maps are attached.**

121 South Tejon Street, Fourth Floor
P.O. Box 1103, Mail Code 940
Colorado Springs, CO 80903-2187

Phone 719-668-3744
Fax 719-668-8666
<http://www.csu.org>



Colorado Springs Utilities

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4. Please ensure that all major surface features to be used in connection with the proposed operation such as topsoil, overburden, and product stockpiles are outlined on the updated Mine Plan Map to show where material from the proposed expansion will be stored within the previously mined area. **Please see the attached revised maps.**

6.4.5 Exhibit E – Reclamation Plan

5. Please amend No. 5 of the current Exhibit E Reclamation Plan to commit to using weed-free mulch to conduct reclamation activities. **The “weed free” mulch requirement has been added to attached Exhibit E.**
6. Section 7 of the Reclamation Plan outlines the design for stabilized low flow channels which may need to be established through the footprint of the removed sedimentation ponds. These channels may be armored with rip rap and filter fabric. Please clarify for the Division if this type of structure would require any long term maintenance to ensure proper function. **The riprap requirement for longitudinal slopes steeper than 0.5% in additional low flow channels (if they are constructed) is to mitigate potential erosion. No long-term maintenance of these channels is anticipated.**

6.4.17 Exhibit O - Proof of Mailing of Notices to Board of County Commissioners and Conservation District

7. The email receipt provided as proof of notice to the El Paso Board of County Commissioners states that delivery of the notice was completed, but a delivery notification was not sent to the destination survey. Please provide additional proof that the El Paso Board of County Commissioners received the Notice of Filling Application. An email back from the recipient stating ‘received’, such as the one provided from the Conservation District, would be sufficient. **As discussed on 10/26/23, the permit application package also includes a read receipt from El Paso County for this notice. You indicated that was acceptable evidence.**

Please reach out to me with any additional questions or requests for information.

Thank you,

Joseph Houghton
Environmental Engineer
719-668-3744
jphoughton@csu.org

121 South Tejon Street, Fourth Floor
P.O. Box 1103, Mail Code 940
Colorado Springs, CO 80903-2187

Phone 719-668-3744
Fax 719-668-8666
<http://www.csu.org>



-Ad Proof-

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Keys and National, (719) 636-0341 ext. or
email at lorre.cosgrove@gazette.com.

Date: 10/26/23

Account #: 11642

Company Name: Vladimir Jones/CS Utilities

Contact: Robin Bernardo

Address: 2 N Nevada Ave
Suite 1400
Colorado Springs 80903

Telephone: (719) 473-0704

Fax: (000) 000-0000

Run Dates:

Colorado Springs Gazette	10/29/23
Colorado Springs Gazette	11/05/23
Colorado Springs Gazette	11/12/23
Colorado Springs Gazette	11/19/23
Gazette.com	10/29/23
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Gazette.com	10/31/23
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Gazette.com	11/03/23
Gazette.com	11/04/23

Ad ID: 181580

Start: 10/29/23

Stop: 11/19/23

Total Cost: \$391.60

of Lines: 35

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Total Depth: 3.042

of Inserts: 11

Ad Class: 910

Phone # (719) 636-0341

Email: lorre.cosgrove@gazette.com

PUBLIC NOTICE

City of Colorado Springs; 121 South Tejon Street, 4th Floor, mail Code 940, Colorado Springs, Colorado, (719)668-3744, has filed an application for a Regular (112d) Designated Mining Reclamation Permit with the Colorado Mined Land Reclamation Board under provisions of the Colorado Mined Land Reclamation Act. The proposed mine is known as the Clear Spring Ranch Gravel Pit and is located at or near Section 20, Township 16S, Range 65W, of the 6th Prime Meridian.

The proposed date of commencement is January 2024, and the proposed date of completion is in the year 2076. The proposed future use of the land is Rangeland. Additional information and tentative decision date may be obtained from the Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, Colorado 80203, (303) 866-3567, or at the El Paso County Clerk and Recorder's office; 1675 Garden of the Gods Road, Colorado Springs, Colorado, or the above-named applicant.

Comments must be in writing and must be received by the Division of Reclamation, Mining and Safety by 4:00 p.m. on Dec. 11, 2023.

Published in The Gazette 10/29, 11/5, 11/12 & 11/19, 2023.



CPU ROCKRIMMON
720 VILLAGE CENTER DR
COLORADO SPRINGS, CO 80919-3622
(800)275-8777

10/30/2023

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Estimated Delivery Date
Wed 11/01/2023

Certified Mail® Tracking #:		\$4.35	
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9589 0710 5270 0841 4600 60

Total			\$5.25
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Grand Total:			\$5.25
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PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions



9589 0710 5270 0841 4600 60

October 30, 2023

Scott Trainor
City Manager
City of Fountain
116 South Main Street
Fountain, Colorado 80817

Re: Notice of Application for Clear Spring Ranch Gravel Pit Expansion

Dear Mr. Trainor,

The City of Colorado Springs has applied for a modification to their State of Colorado permit to allow expansion of their existing gravel pit operation within Assessor's Parcel No. 5600000113 in the City of Fountain. The State of Colorado Rules and Regulations require notification of the owners of land located within 200 feet of the boundary of the land that will be affected by the mining operation by certified mail. As shown on the attached "Adjacent Property Ownership Exhibit" the City of Fountain is shown to be the owner of Parcel 5600000179 located along the western boundary of the proposed gravel pit expansion area.

A copy of the standard notification and the permit application is attached. In addition to this hard copy mailing, I have also e-mailed a copy of this notification and included a full copy of the state permit application package to provide additional information. I have copied Kristy Martinez, planning supervisor, with that e-mail. The City of Colorado Springs has also applied for conditional use and site plan approval for the gravel pit expansion from the City of Fountain and submitted applications for those through the City's digital application portal last week.

Please feel free to contact me if you have questions about this information. My phone number is 719-649-2022.

Sincerely,



Vance Fossinger
Project Manager
Wilson & Company

Clear Spring Ranch Gravel Pit Expansion
Adjacent Property Ownership Exhibit

5600000155
Fountain Colony 1933 No. II LLC
625 N. Cascade Ave
STE 120
Colorado Springs CO 80903

5600000146
COPART INC
14185 Dallas PKWY
STE 300 Dallas TX 75254

5600000179
City of Fountain
PO Box 8040
Fort Wayne, IN 46898-8040

FOUNTAIN

5600000113

Clear Spring Ranch
Gravel Pit Expansion Area

Proposed Improvements
Within Existing Permit Area

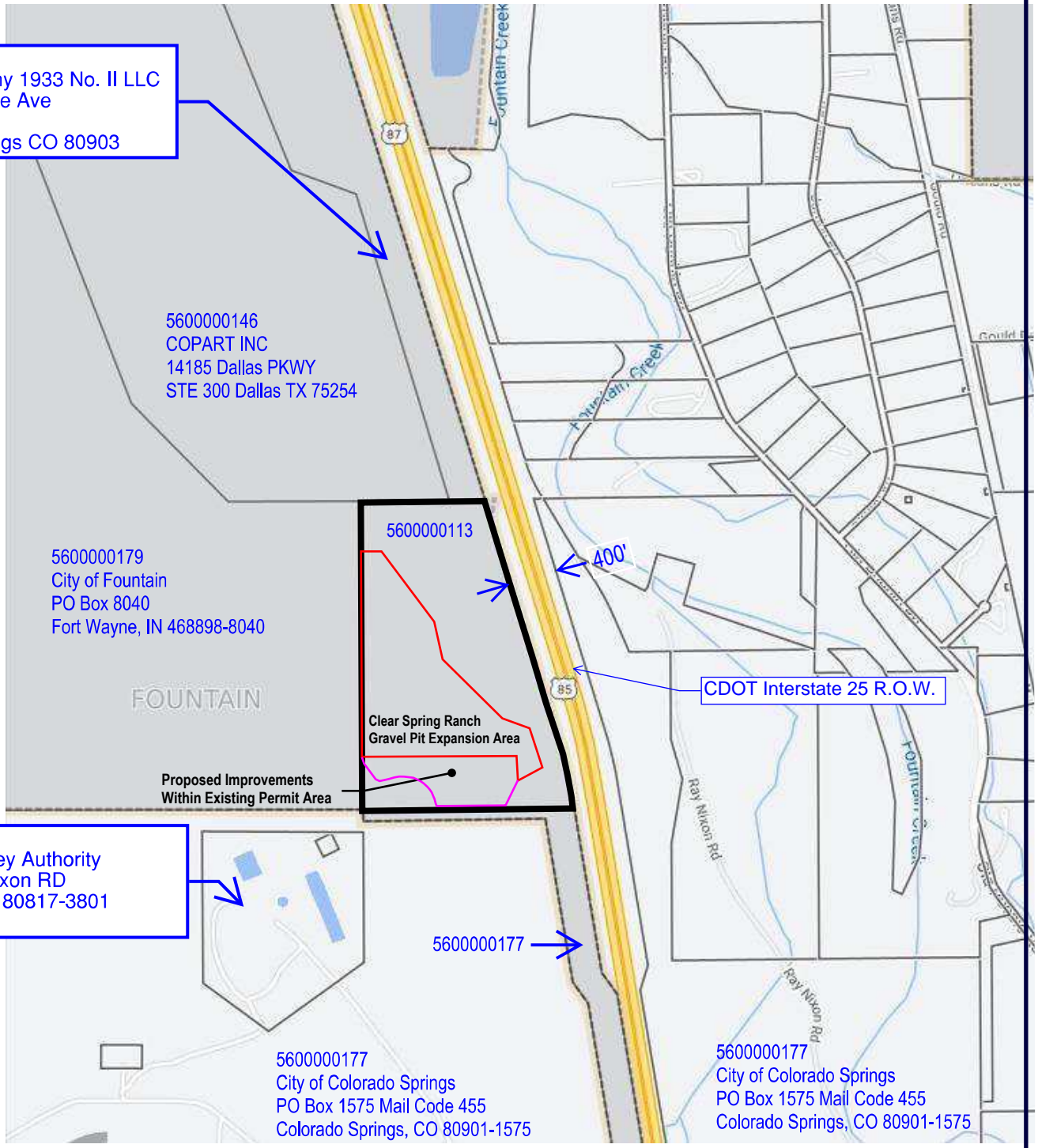
5600000102
Fountain Valley Authority
13250 Ray Nixon RD
Fountain, CO 80817-3801

5600000177

5600000177
City of Colorado Springs
PO Box 1575 Mail Code 455
Colorado Springs, CO 80901-1575

CDOT Interstate 25 R.O.W.

5600000177
City of Colorado Springs
PO Box 1575 Mail Code 455
Colorado Springs, CO 80901-1575



Public Notice

The City of Colorado Springs, 121 South Tejon Street, 4th Floor, mail Code 940, Colorado Springs, Colorado, (719)668-3744, has filed an application for a Regular (112d) Designated Mining Reclamation Permit with the Colorado Mined Land Reclamation Board under provisions of the Colorado Mined Land Reclamation Act. The proposed mine is known as the Clear Spring Ranch Gravel Pit and is located at or near Section 20, Township 16S, Range 65W, of the 6th Prime Meridian.

The proposed date of commencement is January 2024, and the proposed date of completion is in the year 2076. The proposed future use of the land is Rangeland. Additional information and tentative decision date may be obtained from the Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, Colorado 80203, (303) 866-3567, or at the El Paso County Clerk and Recorder's office; 1675 Garden of the Gods Road, Colorado Springs, Colorado, or the above-named applicant.

Comments must be in writing and must be received by the Division of Reclamation, Mining and Safety by 4:00 p.m. on December 11, 2023(Final Date for Comments).

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 - 1992 - 074 (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 1992 - 074 - (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):** City of Colorado Springs
 - 1.1 Type of organization (corporation, partnership, etc.): Municipality
2. **Operation name (pit, mine or site name):** Clear Spring Ranch Gravel Pit
3. **Permitted acreage (new or existing site):**

	<u>50.7</u>	permitted acres
3.1 Change in acreage (+)	<u>31.4</u>	acres
3.2 Total acreage in Permit area	<u>82.1</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:**

	<u>Sand</u>	<u>Gravel</u>	<u>Clay</u>			
5.1 Incidental commoditie(s) to be mined:	1. <u>-</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:	<u>Utility Trench Fill</u>					
5.3 Anticipated end use of incidental commoditie(s) to be mined:						

6. **Name of owner of subsurface rights of affected land:** City of Colorado Springs
If 2 or more owners, "refer to Exhibit O".

7. **Name of owner of surface of affected land:** City of Colorado Springs

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

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

COUNTY: El Paso

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

SECTION (write number): S 20

TOWNSHIP (write number and check direction): T 16 ☐ North ☒ South

RANGE (write number and check direction): R 65 ☐ 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): _____
Approximately 2 miles south of the developed portions of the City of Fountain, approximate elevation=5560

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) 38.63594 (5 decimal places)

Longitude(W) -104.69885 (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: **Carlos Wright** Title: **Water& Wastewater Construction & Maintenance Manager**
Company Name: **City of Colorado Springs**
Street/P.O. Box: **1521 S. Hancock Expressway MC:1816** P.O. Box: _____
City: **Colorado Springs**
State: **Colorado** Zip Code: **80903**
Telephone Number: **(Mobile: (719)) - 660-0523 Office: (719) 668-5447**
Fax Number: **() -** _____

PERMITTING CONTACT (if different from applicant/operator above)

Contact's Name: **Joseph Houghton** Title: **Environmental Engineer**
Company Name: **Colorado Springs Utilities**
Street/P.O. Box: **121 S. Tejon St., 4th Floor, Mail Code 940** P.O. Box: _____
City: **Colorado Springs**
State: **Colorado** Zip Code: **80903**
Telephone Number: **(719) - 313-8472 Office: (719)668-3744**
Fax Number: **() -** _____

INSPECTION CONTACT

Contact's Name: **Joseph Houghton (See Above)** Title: _____
Company Name: _____
Street/P.O. Box: _____ P.O. Box: _____
City: _____
State: _____ Zip Code: _____
Telephone Number: **() -** _____
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: **() -** _____

CW

2. The Board may suspend or revoke this permit, or assess a civil penalty, upon a finding that the permittee violated the terms or conditions of this permit, the Act, the Mineral Rules and Regulations, or that information contained in the application or your permit misrepresent important material facts;

CW

3. If your mining and reclamation operations affect areas beyond the boundaries of an approved permit boundary, substantial civil penalties, to you as permittee can result;

CW

4. Any modification to the approved mining and reclamation plan from those described in your approved application requires you to submit a permit modification and obtain approval from the Board or Office;

CW

5. It is your responsibility to notify the Office of any changes in your address or phone number;

CW

6. Upon permit issuance and prior to beginning on-site mining activity, you must post a sign at the entrance of the mine site, which shall be clearly visible from the access road, with the following information (Rule 3.1.12):

- a. the name of the operator;
- b. a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and,
- c. the permit number.

CW

7. The boundaries of the permit boundary area must be marked by monuments or other markers that are clearly visible and adequate to delineate such boundaries prior to site disturbance.

CW

8. It is a provision of this permit that the operations will be conducted in accordance with the terms and conditions listed in your application, as well as with the provisions of the Act and the Construction Material Rules and Regulations in effect at the time the permit is issued.

CW

9. Annually, on the anniversary date of permit issuance, you must submit an annual fee as specified by Statute, and an annual report which includes a map describing the acreage affected and the acreage reclaimed to date (if there are changes from the previous year), any monitoring required by the Reclamation Plan to be submitted annually on the anniversary date of the permit approval. Annual fees are for the previous year a permit is held. For example, a permit with the anniversary date of July 1, 1995, the annual fee is for the period of July 1, 1994 through June 30, 1995. Failure to submit your annual fee and report by the permit anniversary date may result in a civil penalty, revocation of your permit, and forfeiture of your financial warranty. It is your responsibility, as the permittee, to continue to pay your annual fee to the Office until the Board releases you from your total reclamation responsibility.

10. For joint venture/partnership operators: the signing representative is authorized to sign this document and a power of attorney (provided by the partner(s)) authorizing the signature of the representative is attached to this application.

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 17th day of October, 2023.

City of Colorado Springs

Applicant/Operator or Company Name

Signed: Carlos Wright

Carlos Wright

Title: Water & Wastewater Construction & Maintenance Manager

If Corporation Attest (Seal)

NO SEAL

Signed: _____

Corporate Secretary or Equivalent

Town/City/County Clerk

State of Colorado)

) ss.

County of El Paso)

The foregoing instrument was acknowledged before me this 17th day of October, 2023, by Carlos Wright as W/W Manager of City of Colorado Spgs.

Amber Lemarr Hinton

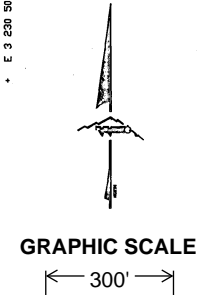
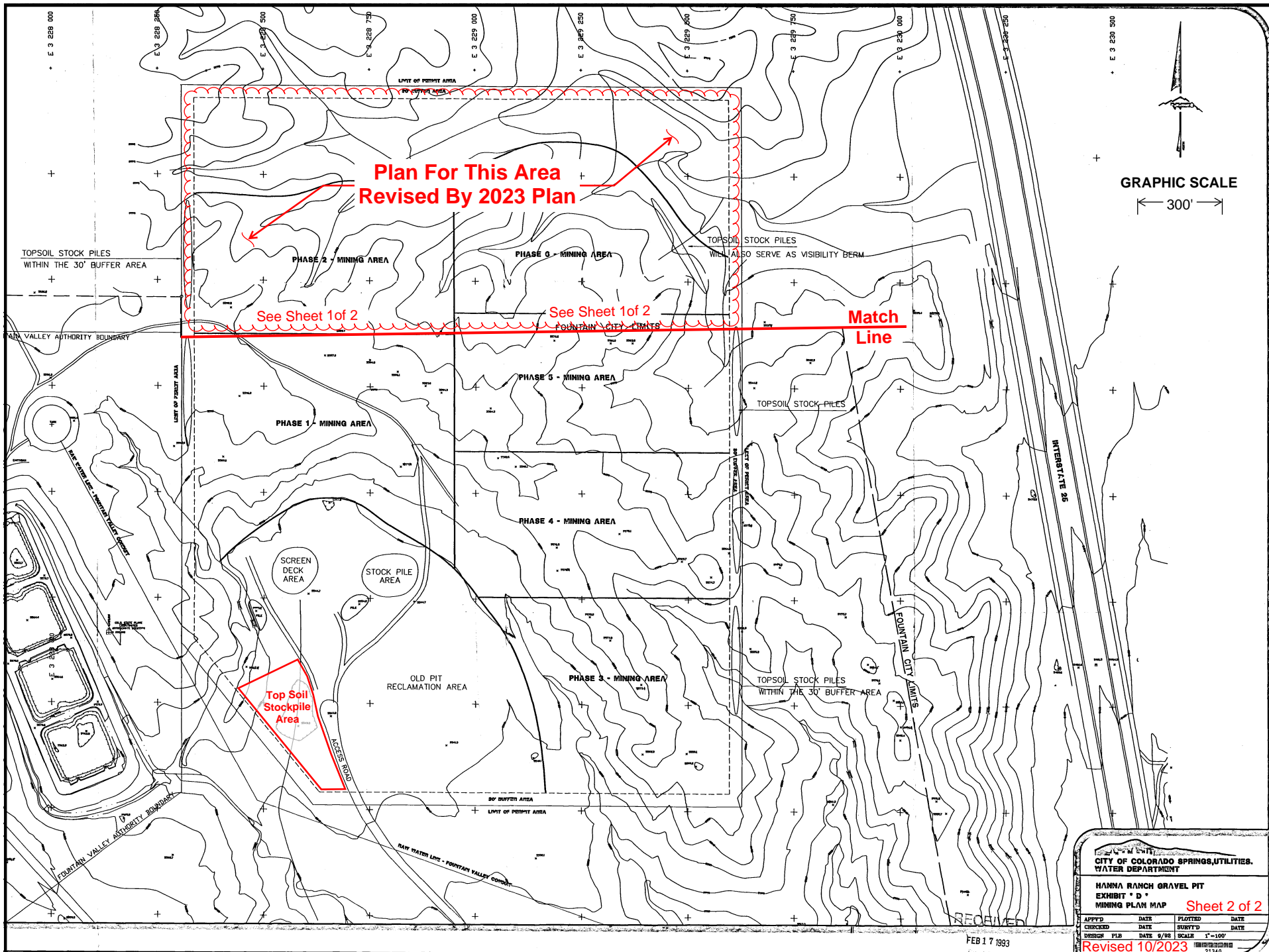
Notary Public

My Commission expires: June 8, 2026

Amber Lemarr Hinton
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID# 20184024041
MY COMMISSION EXPIRES JUNE 8, 2026

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



**CITY OF COLORADO SPRINGS UTILITIES
WATER DEPARTMENT**

**HANNA RANCH GRAVEL PIT
EXHIBIT "D"
MINING PLAN MAP**

Sheet 2 of 2

APPROVED	DATE	PLOTTED	DATE
CHECKED	DATE	SUBMITTED	DATE
DESIGN	FILE	DATE	SCALE

Revised 10/2023

RECEIVED
FEB 17 1993

EXHIBIT E

Reclamation Plan

Background

This reclamation plan is for the proposed 31.4 acre expansion area of the Clear Spring Ranch Gravel Mine. Colorado Springs Utilities (Utilities) currently operates the Clear Springs Ranch Gravel Mine with a permitted area of 50.7 acres. The material in the existing permitted area is nearly exhausted so the mine boundary is being expanded to the north to add area with significant sand and gravel deposits. After the expansion is approved, the permitted area will be 82.1 acres. The expanded permit boundary will be monumented with permanent signs. Processing and stockpiling of material will remain within the existing mining permit area.

Mining in the expansion area is planned to occur in two separate phases defined by watershed areas. Each of the two phases will drain to a sedimentation/detention pond at the downstream end of the phase area. Within a year of the completion of mining in each phase, the mined ground will be finish graded to smooth the surface, topsoiled and seeded except for the relatively small areas occupied by the access road to subsequent phases and the pond that serves the phase. After a vegetation establishment period of 2 years, the ponds will be removed, the waterway through them will be stabilized and the pond areas will be revegetated.

Attached Exhibit F "Reclamation Plan Map" shows the mining phase areas and the various components of the proposed reclamation. The reclamation methods in the expansion area will be very similar to the methods used in the existing permitted area. Unless otherwise noted the standards included in the City of Colorado Springs, Stormwater Construction Manual, 2020 should be adhered to. The sequence of the main activities for reclamation of each phase area will include:

1. Within 1 year of the completion of mining in a particular phase reclamation activities should commence beginning with grading of the entire phase area except for the pond and access road through the phase. The purpose of the grading is to flatten any over-steepened areas to a maximum of 3:1 slopes, achieve a minimum thickness of 8" of soil between bedrock surfaces and bottom of topsoil, and smooth out significant irregularities in the mined area's surface to facilitate seeding.
2. Once grading is complete the native topsoil stockpiled within the original permit area should be hauled to and spread at an average thickness of 5" over the disturbed area of the phase. If insufficient topsoil is available, suitable topsoil shall be imported or on-site soils shall be amended by adding organic compost to achieve a minimum organic content of 3% by volume.

3. Once topsoiling and or initial soil amendment is complete, testing should be performed by a qualified professional testing lab to determine the suitability of the soil for planting and identify additional amendments and fertilizers that may be required to support the native vegetation to be planted. Testing frequency should be done at a minimum density of 1 test per 5 acres. If additional organic mater is required to meet the minimum 3% by volume standard and or fertilizer is needed, appropriate compost and fertilizer should be imported and applied and incorporated into the top 6" of soil through rototilling.
 4. After the soil has been determined to be suitable for seeding, drill seeding using cross drilling should be performed with a drill suitable for planting the specified seed mix. Seed depth should be 1/3" to 1/2". Seed and seeding rates shall be as indicated in section f.ii. Seeding should occur between November 1 and May 15 excluding times when the ground is frozen.
 5. As soon as possible and not later than 5 days after seeding, weed free hay or straw mulch shall be placed at a minimum rate of 2 tons per acre and adequately secured by crimping to a depth of 3" to 4".
 6. The planted area should be monitored during vegetation establishment and reseeded and re-mulched in areas where satisfactory vegetation coverage has not been achieved. Adequate coverage is a minimum of 70% of the pre-mine condition vegetation coverage.
 7. Once adequate coverage of vegetation has been achieved in the watershed of a phase sedimentation/detention pond, the pond outlet structure and dam should be removed, and a stabilized low flow channel should be established through the footprint of the removed pond. It is expected that the stabilized inflow channel of the ponds will remain in place but that could be removed as well to accommodate alternative grading as long as any areas of the new low flow channel steeper than 0.5% are armored with D50=6" riprap 12" thick over adequate filter fabric. Where armoring is needed, the armored portion of the low flow channels should have a minimum of 4' bottom width and 4:1 side slopes with a minimum armored depth of 1'. Once grading and riprap installation is complete, with no slopes exceeding 3:1, the footprint of the removed pond and any other areas that are disturbed during the removal operation should be soil amended and seed in accordance with items 1 through 6.
- a. All areas disturbed by the mining operation (expected to be approximately 42.1 acres), are proposed to be reclaimed as rangeland though grading, soil preparation and seeding. Rangeland is the pre-mined condition of affected land and is compatible with adjacent areas. Reclamation of the land to rangeland will stabilize it. Due to the land's geographic location being relatively near to urbanized areas and being located within the City of

Fountain's municipal limits, the site may be developed for industrial, commercial, or residential uses in the future in accordance with City of Fountain requirements.

Earthmoving required for the reclamation will be accomplished by conventional scrapers, bulldozers, loaders, excavators, graders, and trucks. It is expected to be limited to: pushing and grading soil to smooth the surface; and loading, hauling and spreading stockpiled soil in the mined areas as needed to prepare the land for seeding.

- b. The proposed post-mining land use or rangeland is compatible with existing adjacent land uses that include gravel mines, rangeland, and interstate highway. The City of Fountain has zoned the site as a "planned industrial area".
- c. This reclamation plan has been developed to meet the Rule 3.1 reclamation performance standards.
- d. As described in the Mining Plan for the gravel mine expansion, a minimum of 5" of topsoil will be stripped from the site and stockpiled within the existing permitted mine area for re-application to the mined land after mining is complete. Seeding will be done as described on pages 1 and 2 of this plan. The seed mix and rate of seeding is described in Section F. ii of this plan.
- e. Reclamation of the site will be done on a phase-by-phase basis for the identified two phases of mining after mining is completed in the particular phase. The locations and areas associated with each phase are included in the table below. The sequence of stages to be executed during each phase and expected time period for each stage are included in the timetable on the following page. A more detailed sequence and description of the various stages is included in the first two pages of this plan.

Phase ID	Phase Location	Phase Area (acres)
Phase 1	Southern half of expansion area plus northern portion of existing permit area	30.6
Phase 2	Northwestern portion of the expansion area	11.4

Reclamation Operation Approximate Timetable

Phase ID	Stage of Operation	Stage Estimated Time
Phase 1	Final Grading	4 months
	Spread Topsoil	3 months
	Apply and Incorporate Soil Amendment & Topsoil	1 month
	Seed and Mulch	1 month
	Vegetation Establishment	1 to 2 years
	Remove Sediment/Detention Pond, Grade & Stabilize Channel	3 months
	Revegetate Pond Area	2 years
	Phase Total	5 years
Phase 2	Final Grading	4 months
	Spread Topsoil	3 months
	Apply and Incorporate Soil Amendment & Topsoil	1 month
	Seed and Mulch	1 month
	Vegetation Establishment	1 to 2 years
	Remove Sediment/Detention Pond, Grade & Stabilize Channel	3 months
	Revegetate Pond Area	2 years
	Phase Total	5 years

f.

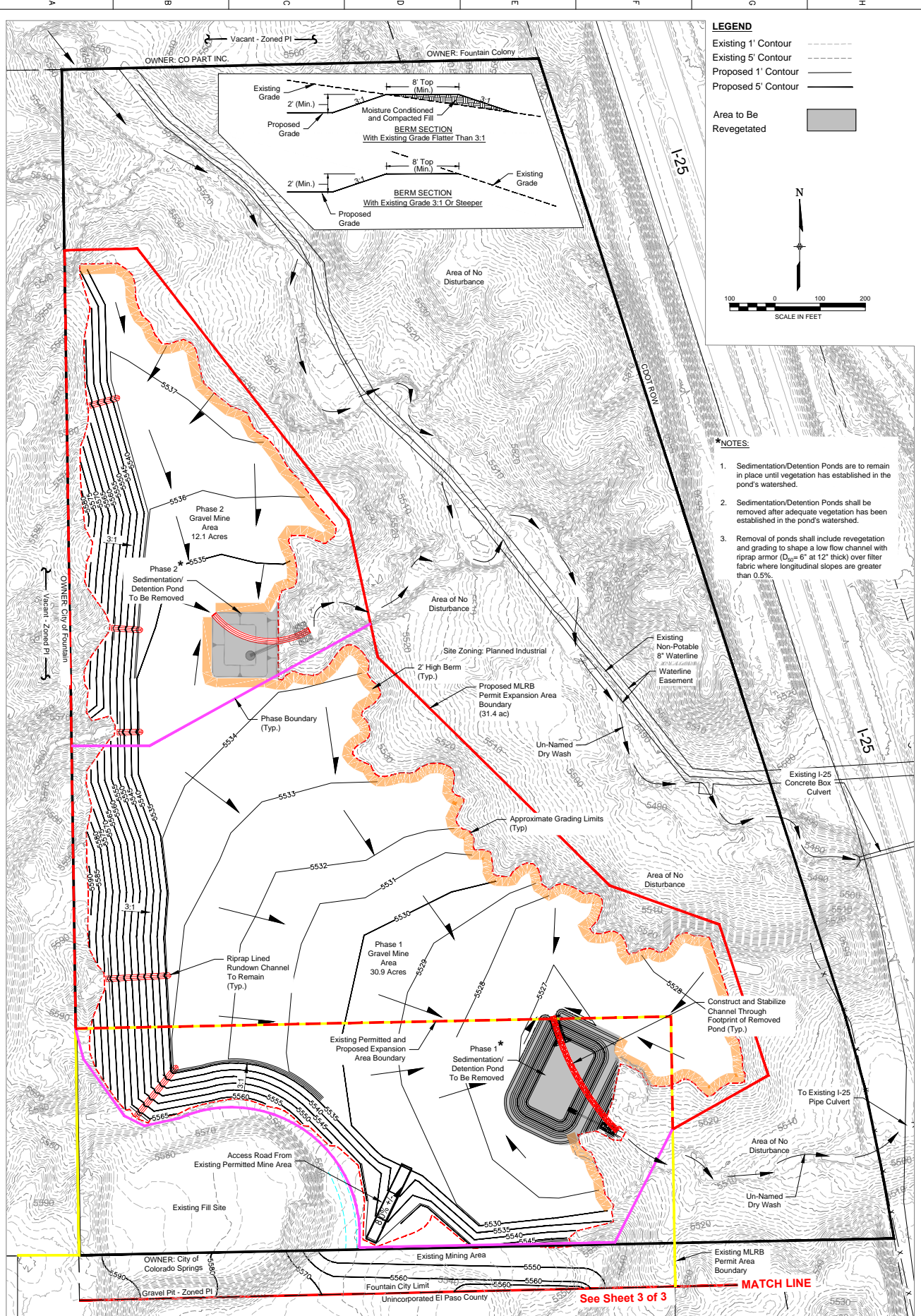
- i. As shown on Exhibit F final grading slopes will range from 0.5% to a maximum of 3:1 (33.3%)
- ii. The proposed seed mix and planting rates for re-vegetation of the mined areas is the “El Paso County Conservation District, All Purpose Mix for Upland, Transition and Permanent Control Measure Areas” as included in the City of Colorado Springs, Stormwater Construction Manual, dated December 2020. A copy of the mix is included on the following page. Seeding should occur between November 1 and May 15 excluding times when the ground is frozen.
- iii. This plan includes soil testing at the point that final grading, topsoiling, and initial soil amendments have been placed and incorporated. The testing will determine fertilizer requirements. It is expected that the fertilizer will be applied and incorporated into the soil prior to seeding.
- iv. This plan for re-vegetation for rangeland only includes grasses and does not include trees and shrubs.
- v. Topsoil will be placed to a minimum depth of 5” in the areas to be revegetated.

Table 5-1. El Paso County Conservation District All-Purpose Mix for Upland, Transition and Permanent Control Measure Areas

Common Name	Scientific Name	Growth Season / Form	% of Mix	Pounds PLS		
				<ul style="list-style-type: none"> Irrigated broadcast Irrigated hydroseeded 	<ul style="list-style-type: none"> Non-irrigated broadcast Non-irrigated hydroseeded Irrigated drilled 	<ul style="list-style-type: none"> Non-irrigated drilled
				80 seeds/sq ft	40 seeds/sq ft	20 seeds/sq ft
Bluestem, big	<i>Andropogon gerardii</i>	Warm, sod	20	4.4	2.2	1.1
Grama, blue	<i>Bouteloua gracilis</i>	Warm, bunch	10	0.5	0.25	0.13
Green needlegrass ²	<i>Nassella viridula</i>	Cool, bunch	10	2	1	0.5
Wheatgrass, western ²	<i>Pascopyrum smithii</i>	Cool, sod	20	6.4	3.2	1.6
Grama, sideoats	<i>Bouteloua curtipendula</i>	Warm, bunch	10	2	1	0.5
Switchgrass ²	<i>Panicum virgatum</i>	Warm, bunch/sod	10	0.8	0.4	0.2
Prairie sandreed	<i>Calamovilfa longifolia</i>	Warm, sod	10	1.2	0.6	0.3
Yellow indiagrass ²	<i>Sorghastrum nutans</i>	Warm, sod	10	2	1	0.5
Seed rate (lbs PLS/acre)				19.3	9.7	4.8

¹For portions of facilities located near or on the bottom or where wet soil conditions occur. Planting of potted nursery stock wetland plants 2-foot on-center is recommended for sites with wetland hydrology.

²Species that will do well in the bottom of pond areas.



REV.	DATE	DESCRIPTION	BY

PROJECT NAME:

CLEAR SPRING RANCH GRAVEL PIT EXPANSION
COLORADO SPRINGS, CO

EXHIBIT F-2

Sheet 2 of 3

PROJECT NO: 21-100-280-00

DESIGNED BY: VSF

DRAWN BY: DWD

CHECKED BY: VSF

DATE: 10/2023

SHEET TITLE:

RECLAMATION
PLAN
(ULTIMATE)

WILSON & COMPANY

5755 MARK DABLING BOULEVARD SUITE 220
COLORADO SPRINGS, CO 80919
PHONE: 719-520-6800
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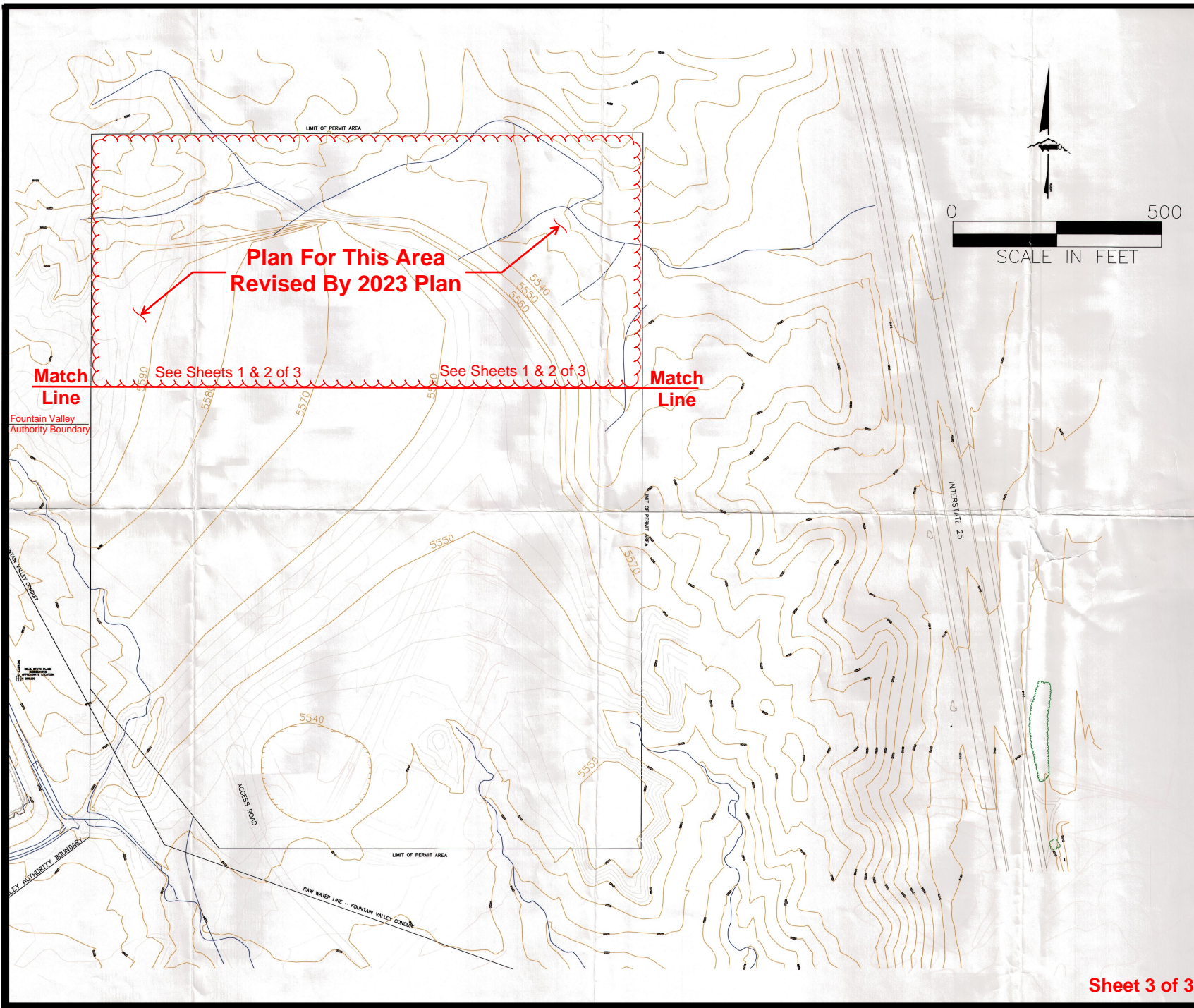


Exhibit F
Reclamation Plan
M-1992-074

LEGEND
10' contours
2' contours

0 500
SCALE IN FEET

NO.	REVISIONS/ISSUE	DATE

Colorado Springs Utilities
It's how we're all connected

ENVIRONMENTAL SERVICES
DEPARTMENT
TECHNICAL SERVICES
P.O. Box 1103, Mail Code 940
COLORADO SPRINGS, CO 80947
(719) 668-8688
Revised 10/2023

DATE: September 26, 2003

PROJECT NUMBER:

REVIEWED BY: DF

DRAWN BY: RD

FILE NAME: Reclamation Plan...