



COLORADO

Division of Reclamation,
Mining and Safety


Department of Natural Resources

MINERALS PROGRAM INSPECTION REPORT

PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Sprague Stone	MINE/PROSPECTING ID#: M-2015-006	MINERAL: Sandstone (silica, stone quartzite)	COUNTY: Larimer
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: August 22, 2023	INSP. TIME: 11:00
OPERATOR: Sprague Stone LLC	OPERATOR REPRESENTATIVE: Michael Lang	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$56,399.36
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
INSPECTOR(S): Patrick Lennberg	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: November 28, 2023

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Permit Stipulations

PROBLEM: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) of the Act.

CORRECTIVE ACTIONS: The operator shall submit adequate financial warranty, per the approved plan, to the Division for review.

CORRECTIVE ACTION DUE DATE: 12/28/23

OBSERVATIONS

This was a routine monitoring inspection of the Sprague Stone (Permit No. M-2015-006) conducted by Patrick Lennberg of the Division of Reclamation, Mining and Safety (Division/DRMS). The site was previously inspected by the Division on December 10, 2015 as part of the Division's routine monitoring program. Michael Lang, representing Sprague Stone LLC, the Permittee/Operator, accompanied me during the inspection. The weather was clear.

The Sprague Stone permit is located in Larimer County approximately 9.5 miles northwest of Loveland, CO 4 miles north of the junction of US Hwy 34 and N Co Rd 27. The permit is located on land owned by Connie and Philip Sprague. The approved permit is a 112c operation for 62.03 acres with 62.03 acres allowed to be affected. It should be noted that the 62.03 acres of affected land is derived from the text of the approved permit but the approved maps lack an affected boundary and there is an area of the approved maps in the southwestern area, adjacent to parcels 29 and 33 that appears to have been inadvertently omitted from the parcel tracking. This omission results in an affected area of 59.9 acres. The maximum disturbance allowed at any one time is dependent on a phased approach, see Attachment 1 Reclamation Plan Map F-2. Areas per the phasing plan shall be bonded entirely by area when work encroaches into said area. The approved post mining land use is rangeland. A mine sign was observed at the entrance to the mine as required by Rule 3.1.12.

The Sprague Stone permit is located at the site of the former Masonville Div (M1985-099) site. The Masonville Div permit was revoked and forfeited in 2014 for failure to maintain legal right of entry. The Sprague Stone permit was approved to incorporate most of the affected land of the Masonville permit. At the time of approval the North Pit area had disturbed 2.09 acres, the South Pit area had disturbed 2.1 acres, there were 11.34 acres being used for storage of mined materials, reclamation had begun on 1.33 acres and reclamation had been completed on 1.92 acres but not released for an overall disturbed area of 18.78 acres. During the original permitting for Sprague Stone the 1.92 acres was not included in the original disturbed area so the disturbed area at approval was 16.86 acres.

In October 2017 the disturbed area was increased as parcel numbers 18, 27, 28 and 32 were to be disturbed thereby increasing the disturbed area by 4.4 acres for a total of 21.26 acres disturbed. In December 2017 the disturbed area was again increased as parcel numbers 12, 13, 14, 17, and 23 were to be disturbed thereby increasing the disturbed area by 4.7 acres for a total disturbed area of 25.96 acres. In reviewing the December 2017 increase request it appears the disturbed area should have been increased by 4.8 acres (26.06 acres) not 4.7 acres. Since 2017 there have been no additional parcels added to the disturbance.

The Annual Report Map submitted in October 2023, Attachment 2, indicates there are at least two parcels, 26 and 31, that have been affected but not yet approved for disturbance. The disturbed parcels total to an increase of 2 acres. Failure to maintain the appropriate financial warranty as required by the approved permit has been cited as a problem within this report.

The site was active at the time of the inspection. All mining activities are occurring within the approved permit boundary.

The financial warranty was recalculated as part of this inspection using the approved permit files and site observations and there will be an increase.

Photographs taken during the inspection are attached.

Please contact Patrick Lennberg (303)866-3567 ext. 8114 or email at patrick.lennberg@state.co.us if you have any questions regarding this report.

Inspection Contact Address

Matthew Sprague
Sprague Stone LLC
P O Box 294
Masonville, CO 80541

Attachments: 1 - Reclamation Plan Map F-2
2 - Annual Report Map 2023

cc: Jared Ebert, DRMS

ec: Amanda Sprague, Sprague Stone LLC, spraguestone@gmail.com
Michael Lang, Ridge Top Eng., mlang@ridgetopeng.com

PHOTOGRAPHS



Photo 1: Mine Sign at primary mine entrance



Photo 2: North Pit mine area



Photo 3: Typical permit boundary marker



Photo 4: Reclaimed area conditions in the southern portion of the permit



Photo 5: Southern mine area processing and storage area



Photo 6: Western permit boundary looking north, yellow arrows denote boundary markers



Photo 7: Western permit boundary looking south, yellow arrows denote boundary markers



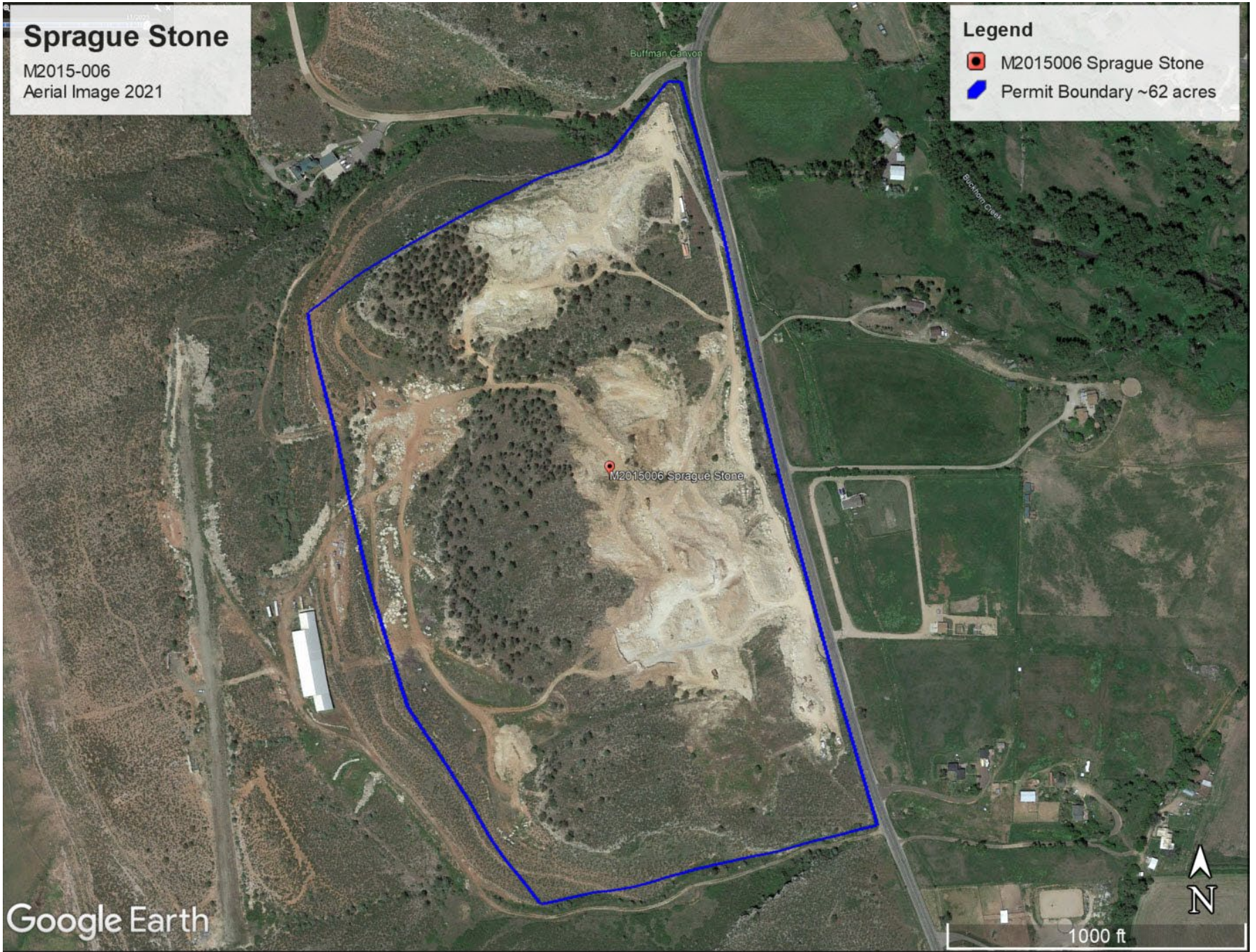
Photo 8: Looking northeast across the southern mining area



Photo 9: Looking east across the southern mining area



Photo 10: Area unaffected by mining



GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>N</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(ST) STIPULATIONS----- <u>PB</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

Attachment 1

PARCEL TABLE		
PARCEL NO.	AREA (SQ. FT.)	AREA (ACRES)
1	57747.39	1.3
2	60675.32	1.4
3	25414.51	0.6
4	54488.43	1.3
5	44179.47	1.0
6	48011.92	1.1
7	37935.63	0.9
8	43829.85	1.0
9	43604.99	1.0
10	28454.77	0.7
11	62214.49	1.4
12	43829.85	1.0
13	43829.85	1.0
14	31276.01	0.7
15	40606.45	0.9
16	43840.28	1.0
17	43850.58	1.0
18	51807.78	1.2
19	30244.92	0.7
20	25543.03	0.6
21	43950.23	1.0
22	43900.65	1.0
23	43945.81	1.0
24	29361.63	0.7
25	44014.19	1.0
26	44014.93	1.0
27	44014.93	1.0
28	51754.86	1.2
29	21167.82	0.5
30	44014.93	1.0
31	44014.93	1.0
32	44671.03	1.0
33	25571.71	0.6
34	44014.93	1.0
35	30243.34	0.7
36	39596.38	0.9
37	44257.86	1.0
38	37285.98	0.9
39	31848.01	0.7
40	41217.52	0.9
41	41219.66	0.9
42	40104.89	0.9
43	56807.93	1.3

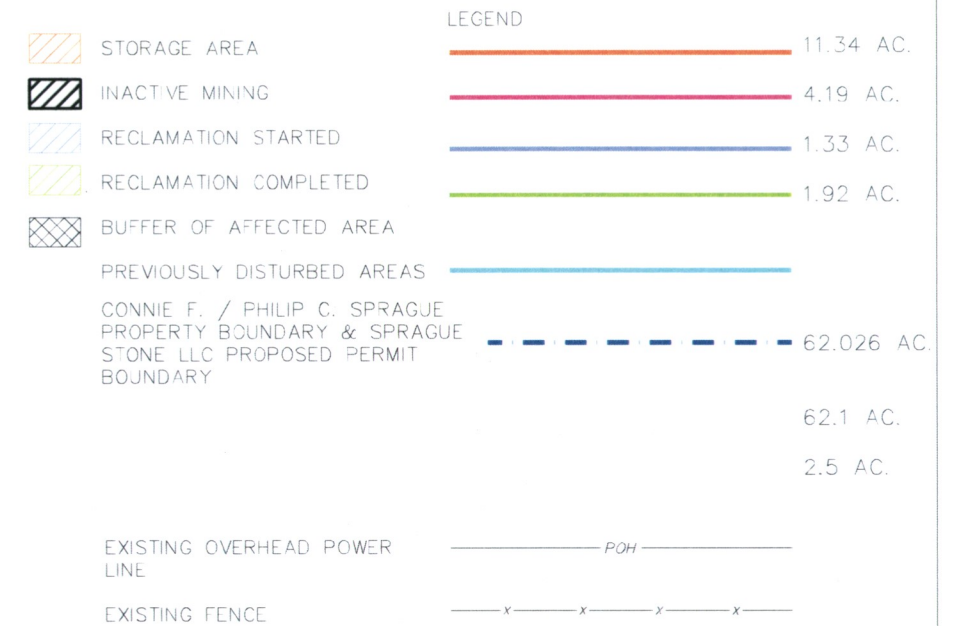
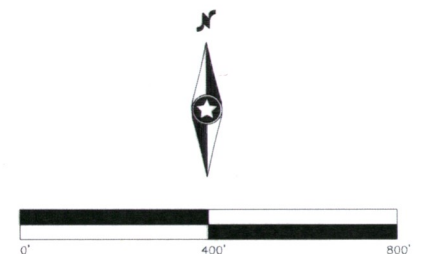


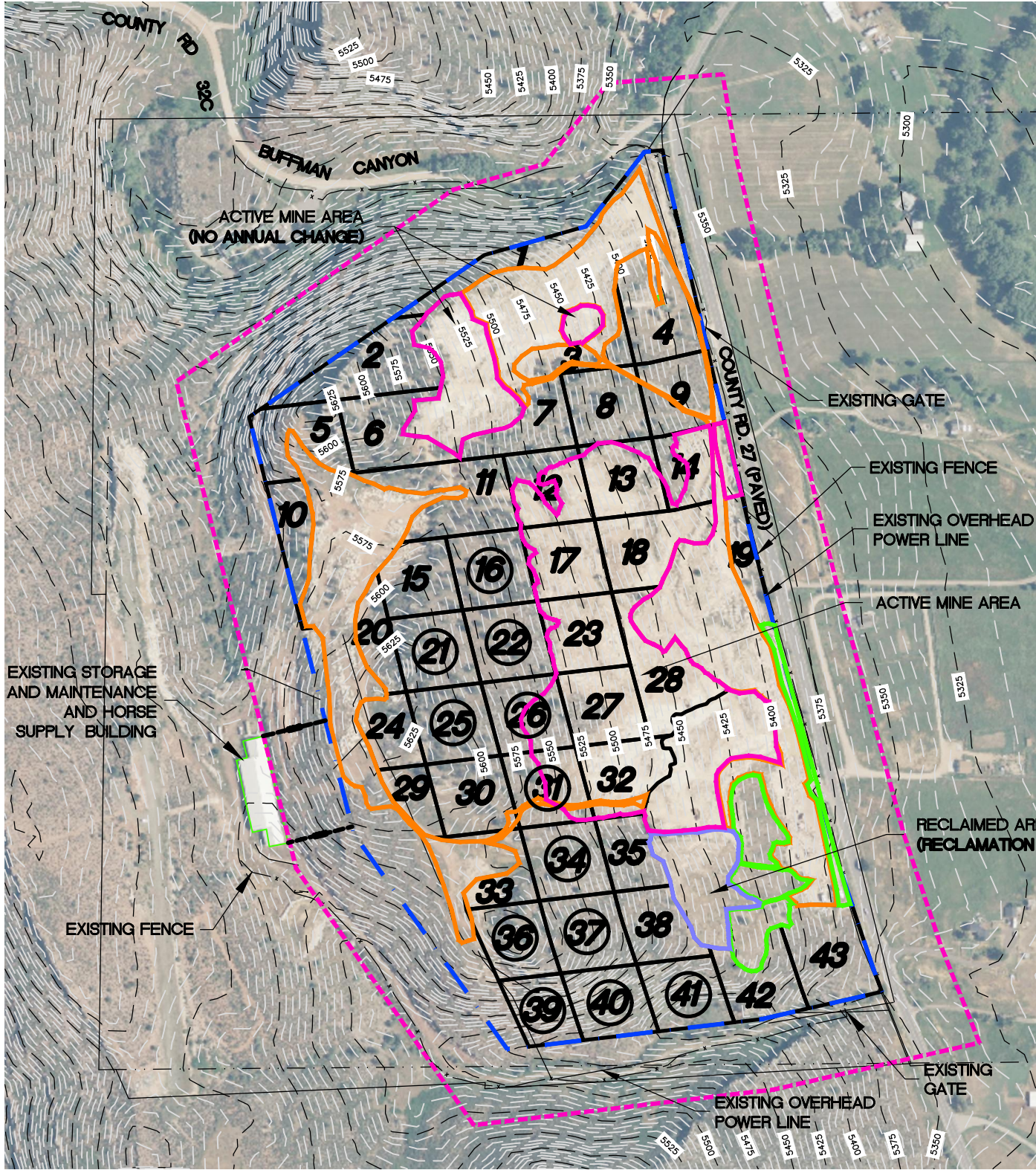
EXHIBIT PREPARED BY *Michael David Lang*
MICHAEL DAVID LANG, P.L.S.
REGISTRATION NO. 37053



Date: 02/05/15 Sheet: 1 OF 1

Attachment 2

DRAWING FILENAME: V:\Projects\19-096-001 Sprague Quarry\Working Files\DWG\19-096-001_CONSTRUCTION2.dwg LAYOUT NAME: ANNUAL MAP DATE: Sep 20, 2023 - 1:59pm

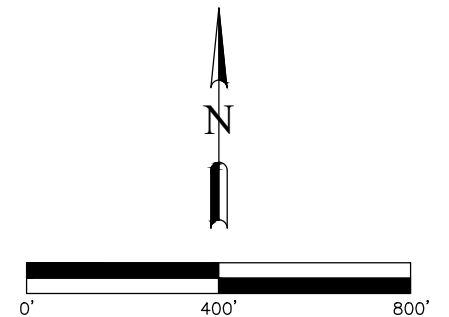


LEGEND	
STORAGE AREA	
ACTIVE MINING	
RECLAMATION STARTED	
RECLAMATION COMPLETED	
BUFFER OF AFFECTED AREA	
CONNIE F. / PHILIP C. SPRAGUE PROPERTY BOUNDARY & SPRAGUE STONE LLC PROPOSED PERMIT BOUNDARY	
EXISTING OVERHEAD POWER LINE	
EXISTING FENCE	
ACTIVE MINING AREA	13.5 AC.
STORAGE AREA	11.5 AC.
IN RECLAMATION AREA	1.3 AC.
TOTAL PERMIT AREA	62.0 AC.
AREA NOT BONDED	

NOTE:

THE UPDATED MINING INFORMATION RELIED UPON FOR THE ANNUAL REPORT MAP WAS PROVIDED TO RIDGETOP ENGINEERING & SURVEYING FROM FIELD REVIEW AND BY THE OWNER/OPERATOR OF SPRAGUE STONE QUARRY.

EXHIBIT PREPARED BY _____
MICHAEL DAVID LANG, P.L.S.
REGISTRATION NO. 37053



Date: 09/20/23 Sheet: 1 OF 1



541 E. GARDEN DRIVE
UNIT N
WINDSOR, CO 80550
970-663-4552

M-2015-006
SPRAGUE STONE
Masonville, Colorado

EXHIBIT
ANNUAL REPORT MAP