

June 12, 2024

Mr. Patrick Lennberg
Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203

RE: M-1977-439 TR07 Response to Adequacy Review No. 2

Dear Mr. Patrick Lennberg:

Please accept this letter as our response to your Adequacy Review No 2.

1. The Mining Plan (map in Exhibit C and text in Exhibit D) and the Water Information exhibit (Exhibit G) should be revised to include a discussion of the levees (or high ground) that prevent inundation of the area at the northwest corner of the site. The text should also include a commitment to maintain these structures (or elevated ground) to prevent future inundation.

Response: Exhibit C has been updated to identify this naturally occurring elevated ground. Exhibit D has been updated by adding your requested language to the bottom of page 5. Exhibit G has been updated with your requested language as a new page 12.

2. To protect the northeast corner of the site, the operator should commit to filling the low area or should design and construct a spillway to allow for the flows to enter and exit the pit without causing damage to the riverbank or pit side bank. The plan for this should be included in Exhibit G, possibly as an appendix.

Response: Martin Marietta will commit to filling in the two low areas to adding the appropriate fill to bring those areas to Elevation 5021. Exhibit G has been updated with your requested language as a new page 12.

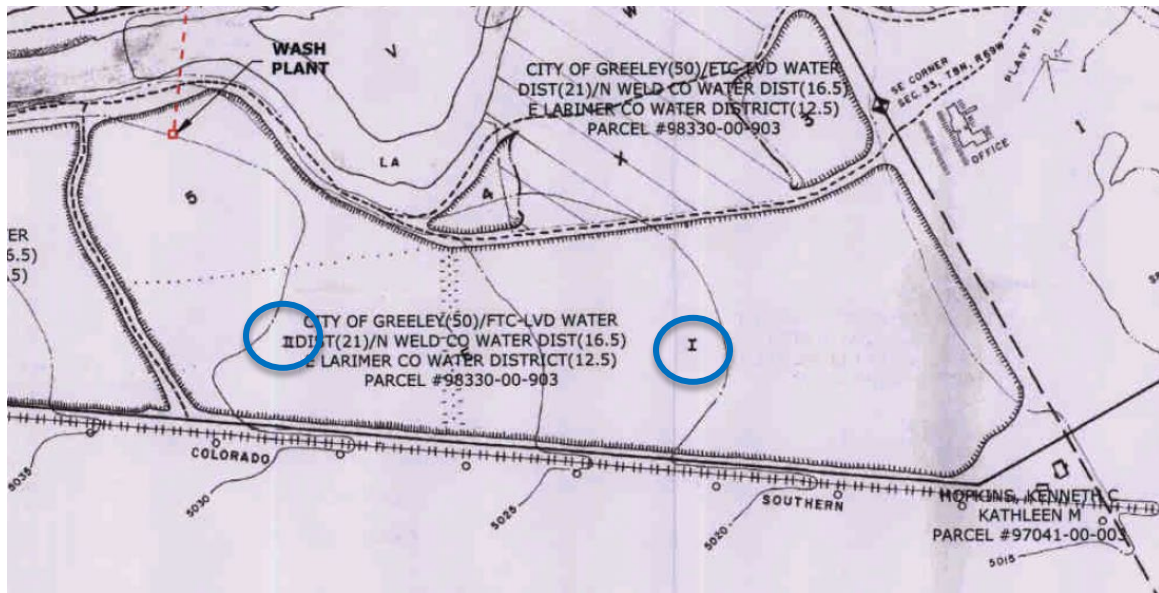
3. A discrepancy with terminology needs to be addressed. In the submitted materials for TR-07, the pit at the northwest side of the site is named E-II and the pit at the southeast side is named E-I. However, older materials in the file for this permit indicate that these are opposite; the northwest area is Pit E-1 and the southeast area is E-II. An example of this is Exhibit C-4, submitted in 2021 for Amendment No. 4 (AM-4)

Mr. Patrick Lennberg

June 12, 2024

Page 2

Response: The Exhibit C-4 from AM-03 and the prior submittals show it the same way that we marked the areas in AM-04. My apologies, I am not following what you want us to do. Can you please clarify?



I can be reached at 970-407-3631 or julie.mikulas@martinmarietta.com if any additional information is needed.

Sincerely,

Handwritten signature of Julie Mikulas.

Julie Mikulas
Regional Land Manager

11/10/2022

STRUCTURE ID	STRUCTURE DESCRIPTION
A-31	STRUCTURE/DIESEL FUEL
A-32	STRUCTURE/BUILDING
A-33	OVERHEAD ELECTRIC LINE
A-34	STRUCTURE/ELECTRICAL PANEL
A-35	WATER STORAGE RESERVOIR
A-36	STRUCTURE/GRAVEL APPURTENANCES
A-37	CITY OF FORT COLLINS TRAIL SYSTEM PATH
A-38	STRUCTURE/RESIDENCE
A-39	STRUCTURE/RESIDENCE/APURTENANCES
A-40	CITY OF FORT COLLINS TRAIL SYSTEM PARKING LOT
A-41	STRUCTURE/RESIDENCE/APURTENANCES
A-42	OVERHEAD ELECTRIC LINE
A-43	OVERHEAD ELECTRIC MAJOR TRANSMISSION LINE
A-44	OVERHEAD ELECTRIC LINE
A-45	STRUCTURE/APURTENANCES
A-46	OPEN POND
A-47	WATER STORAGE RESERVOIR
A-48	FENCE
A-49	IRRIGATION LATERAL
A-50	IRRIGATION LATERAL
A-51	FENCES
A-52	FENCES
A-53	IRRIGATION LATERAL
A-54	UNPAVED ACCESS ROAD
A-55	DRAINAGE DITCH
A-56	WATERLINE AND EASEMENT
A-57	WATERLINE AND SERVICE
A-58	TELEPHONE LINE
A-59	GAS LINE
A-60	OPEN POND

OWNER
MARTIN MARIETTA MATERIALS, INC.
MARTIN MARIETTA MATERIALS, INC.
MARTIN MARIETTA MATERIALS, INC.
MARTIN MARIETTA MATERIALS, INC.
CITY OF GREELEY, FORT COLLINS-LOVELAND WATER DISTRICT, NORTH WELD COUNTY WATER DISTRICT, E. LARIMER COUNTY WATER DISTRICT
MARTIN MARIETTA MATERIALS, INC.
CITY OF FORT COLLINS
JOHN F. JR & SUSAN E. GLASS
RYAN ZIGRAY RESOURCES, INC.
CITY OF FORT COLLINS
KENNETH C. & KATHLEEN M. HOPKINS
POUDRE VALLEY REA, INC.
PLATTE RIVER POWER AUTHORITY
POUDRE VALLEY REA, INC.
CITY OF GREELEY, FORT COLLINS-LOVELAND WATER DISTRICT, NORTH WELD COUNTY WATER DISTRICT, E. LARIMER COUNTY WATER DISTRICT
CITY OF GREELEY, FORT COLLINS-LOVELAND WATER DISTRICT, NORTH WELD COUNTY WATER DISTRICT, E. LARIMER COUNTY WATER DISTRICT
CITY OF GREELEY, FORT COLLINS-LOVELAND WATER DISTRICT, NORTH WELD COUNTY WATER DISTRICT, E. LARIMER COUNTY WATER DISTRICT
CONNELL RESOURCES, INC.
DAVID L. & VIRGINIA S. SLATTEN
SEAWORTH PROPERTIES LLC
SEAWORTH PROPERTIES LLC
TRACY J. & MICHAEL D. KEEGAN
LOVELAND READY MIX INC.
LOVELAND READY MIX INC.
PKR FARM LLC
CITY OF GREELEY
WEST FORT COLLINS WATER DISTRICT
CENTURYLINK
PUBLIC SERVICE COMPANY OF COLORADO
WILLIAM & PAULETTE SEAWORTH

1900 S. SUNSET STREET, SUITE 1-E
LONGMONT, COLORADO 80501
TEL: 303.772.5282
www.tetratech.com

[illegible]

MARTIN MARIETTA
HOME OFFICE
LARIMER COUNTY, COLORADO

EXISTING CONDITIONS PLAN

PROJ:	117-8741002
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DESN: JJA

DRWN:	LIA
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DRWN.	JJA
QUKD	KKA

C1













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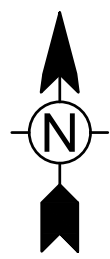
Bar Measures 1 inch, otherwise drawing not to scale

EXISTING CONDITIONS AND MINING PLAN MAPS

MATCHLINE SEE SHEET C1

LEGEND

- 
- | | |
|---|-------------------------|
|  | MINE PERMIT BOUNDARY |
|  | EASEMENT |
|  | EXISTING CONTOURS |
|  | EXISTING WETLAND BUFFER |
|  | ADJACENT PARCEL LINES |
|  | EXISTING FENCE |
|  | EXISTING EDGE OF ROAD |
|  | EXISTING OVERHEAD |
|  | ELECTRIC LINE |
|  | EXISTING WATER LINE |
|  | ACCESS ROAD |



CERTIFICATION

THIS MAP WAS PREPARED BY TETRA TECH IN COOPERATION WITH AND UNDER THE DIRECT SUPERVISION OF MARTIN MARIETTA MATERIALS, INC. MARTIN MARIETTA MATERIALS, INC. WILL KEEP THE DIVISION OF RECLAMATION, MINING, AND SAFETY INFORMED OF ANY CHANGES TO THE MINING OR RECLAMATION PLANS THROUGH ANNUAL REPORTS AND FILE TECHNICAL REVISIONS OR AMENDMENT APPLICATIONS AS NECESSARY THROUGHOUT THE LIFE OF THE MINE.

June Wilson

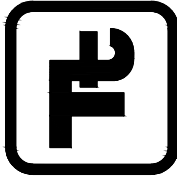
JULIE MIKULAS, MARTIN MARIETTA MATERIALS, INC.

11/10/2022

IDENTIFIED STRUCTURES			IDENTIFIED STRUCTURES		
STRUCTURE ID	STRUCTURE DESCRIPTION	OWNER	STRUCTURE ID	STRUCTURE DESCRIPTION	OWNER
A-1	UNLINED POND	WILLIAM O & PAULETTE M SEAWORTH	A-31	STRUCTURE/DIESEL FUEL	MARTIN MARIETTA MATERIALS, INC.
A-2	WATER STORAGE RESERVOIR/ACCESS	WILLIAM O & PAULETTE M SEAWORTH	A-32	STRUCTURE/BUILDING	MARTIN MARIETTA MATERIALS, INC.
A-3	CONVEYOR	MARTIN MARIETTA MATERIALS, INC.	A-33	OVERHEAD ELECTRIC LINE	MARTIN MARIETTA MATERIALS, INC.
A-4	UNLINED POND/ACCESS	RONNY AND BILLY LLC	A-34	STRUCTURE/ELECTRICAL PANEL	MARTIN MARIETTA MATERIALS, INC.
A-5	OVERHEAD ELECTRIC LINE	POUDRE VALLEY REA, INC	A-35	WATER STORAGE RESERVOIR	CITY OF GREELEY, FORT COLLINS-LOVELAND WATER DISTRICT, NORTH WELD COUNTY WATER DISTRICT, E. LARIMER COUNTY WATER DISTRICT
A-6	TAST HILL ROAD	LARIMER COUNTY ROAD AND BRIDGE	A-36	STRUCTURE/GRAVEL APPURTENANCE	MARTIN MARIETTA MATERIALS, INC.
A-7	STRUCTURE/BUILDING (TO BE REMOVED)	ANIMAL FRIENDS ALLIANCE	A-37	CITY OF FORT COLLINS TRAIL SYSTEM PATH	CITY OF FORT COLLINS
A-8	STRUCTURE/BUILDING	ANIMAL FRIENDS ALLIANCE	A-38	STRUCTURE/RESIDENCE	JOHN F JR & SUSAN E GLASS
A-9	STRUCTURE/BUILDING/APPURTENANCES	ANIMAL FRIENDS ALLIANCE	A-39	STRUCTURE/RESIDENCE/APPURTENANCES	RYAN ZIGRAY RESOURCES, INC.
A-10	STRUCTURE/BUILDING/APPURTENANCES	BIANCA KATZ & MIKE L BRASKICH	A-40	CITY OF FORT COLLINS TRAIL SYSTEM PARKING LOT	CITY OF FORT COLLINS
A-11	STRUCTURE/RESIDENCE/SEPTIC SYSTEM/APPURTENANCES	ALBERT R & SHARON E KOONCE	A-41	STRUCTURE/RESIDENCE/APPURTENANCES	KENNETH C & KATHLEEN M HOPKINS
A-12	OVERHEAD ELECTRIC LINE	POUDRE VALLEY REA, INC	A-42	OVERHEAD ELECTRIC LINE	POUDRE VALLEY REA, INC
A-13	ACCESS EASEMENT TO KOCA	KAMPGROUNDS OF AMERICA	A-43	OVERHEAD ELECTRIC MAJOR TRANSMISSION LINE	PLATTE RIVER POWER AUTHORITY
A-14	SEWERLINE & WATERLINE	KAMPGROUNDS OF AMERICA	A-44	OVERHEAD ELECTRIC LINE	POUDRE VALLEY REA, INC
A-15	OVERHEAD ELECTRIC LINE	POUDRE VALLEY REA, INC	A-45	STRUCTURE/APPURTENANCES	CITY OF GREELEY, FORT COLLINS-LOVELAND WATER DISTRICT, NORTH WELD COUNTY WATER DISTRICT, E. LARIMER COUNTY WATER DISTRICT
A-16	STRUCTURE/BUILDING	KAMPGROUNDS OF AMERICA	A-46	OPEN POND	CITY OF GREELEY, FORT COLLINS-LOVELAND WATER DISTRICT, NORTH WELD COUNTY WATER DISTRICT, E. LARIMER COUNTY WATER DISTRICT
A-17	STRUCTURE/BUILDING	KAMPGROUNDS OF AMERICA	A-47	WATER STORAGE RESERVOIR	CITY OF GREELEY, FORT COLLINS-LOVELAND WATER DISTRICT, NORTH WELD COUNTY WATER DISTRICT, E. LARIMER COUNTY WATER DISTRICT
A-18	STRUCTURE/BUILDING	KAMPGROUNDS OF AMERICA	A-48	FENCE	CONNELL RESOURCES, INC
A-19	STRUCTURE/BUILDING/APPURTENANCES	KAMPGROUNDS OF AMERICA	A-49	IRRIGATION LATERAL	DAVID L & VIRGINIA S SLATTEN
A-20	UNLINED POND	KAMPGROUNDS OF AMERICA	A-50	IRRIGATION LATERAL	SEAWORTH PROPERTIES LLC
A-21	STRUCTURE/BUILDING	MARTIN MARIETTA MATERIALS, INC.	A-51	FENCES	SEAWORTH PROPERTIES LLC
A-22	STRUCTURE/PROPANE TANKS	MARTIN MARIETTA MATERIALS, INC.	A-52	FENCES	TRACY J & MICHAEL D KEEGAN
A-23	RIVER DROP STRUCTURE	LARIMER AND WELD IRRIGATION CO	A-53	IRRIGATION LATERAL	LOVELAND READY MIX INC
A-24	IRRIGATION COMPANY STRUCTURES AND CANAL	LARIMER AND WELD IRRIGATION CO	A-54	UNPAVED ACCESS ROAD	LOVELAND READY MIX INC
A-25	STRUCTURE/BUILDING	LARIMER AND WELD IRRIGATION CO	A-55	DRAINAGE DITCH	PKR FARM LLC
A-26	IRRIGATION COMPANY STRUCTURES AND CANAL	ARTHUR IRRIGATION COMPANY	A-56	WATERLINE AND EASEMENT	CITY OF GREELEY
A-27	STRUCTURE/BUILDING	MARTIN MARIETTA MATERIALS, INC.	A-57	WATERLINE AND SERVICE	WESTERN FORT COLLINS WATER DISTRICT
A-28	STRUCTURE/BUILDING	MARTIN MARIETTA MATERIALS, INC.	A-58	TELEPHONE LINE	CENTURYLINK
A-29	STRUCTURE/BUILDING	MARTIN MARIETTA MATERIALS, INC.	A-59	GAS LINE	PUBLIC SERVICE COMPANY OF COLORADO
A-30	STRUCTURE/BUILDING	MARTIN MARIETTA MATERIALS, INC.	A-60	OPEN POND	WILLIAM & PAULETTE SEAWORTH

Bar Measures 1 inch, otherwise drawing not to scale

TETRA TECH



1900 S. SUNSET STREET, SUITE 1-E
LONGMONT, COLORADO 80501
TEL: 303.772.5282
www.tetrattech.com

Y

DESCRIPTION

MARK	DATE
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MARTIN MARIETTA

HOME OFFICE
LARIMER COUNTY, COLORADO

EXISTING CONDITIONS PLAN

PROJ:	117-8741002
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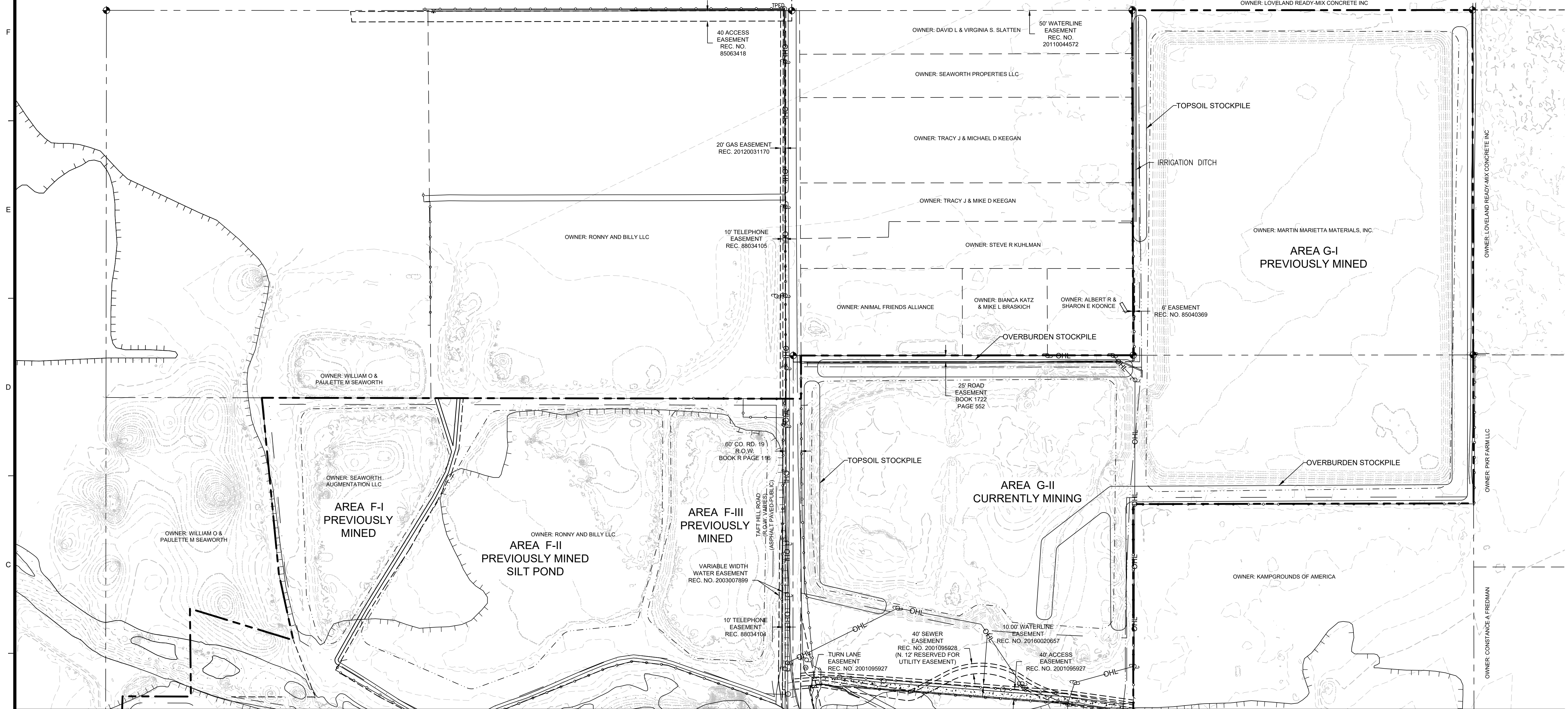
DESN:	JJA
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DRWN: JJA

CHKD:	KKJ
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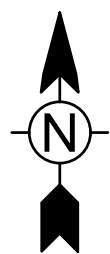
C2

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LEGEND

-
- Legend:
- MINE PERMIT BOUNDARY
 - EASEMENT
 - EXISTING CONTOURS
 - EXISTING WETLAND BUFFER
 - ADJACENT PARCEL LINES
 - EXISTING FENCE
 - EXISTING EDGE OF ROAD
 - EXISTING OVERHEAD ELECTRIC LINE
 - EXISTING WATER LINE
 - EXCAVATION LIMITS PREVIOUS APPROVED AT 25' OFF BOUNDARY
 - EXISTING WATER SURFACE
 - 100 YR FLOODPLAIN



CERTIFICATION

THIS MAP WAS PREPARED BY TETRA TECH IN COOPERATION WITH AND UNDER THE DIRECT SUPERVISION OF MARTIN MARIETTA MATERIALS, INC. MARTIN MARIETTA MATERIALS, INC. WILL KEEP THE DIVISION OF RECLAMATION, MINING, AND SAFETY INFORMED OF ANY CHANGES TO THE MINING OR RECLAMATION PLANS THROUGH ANNUAL REPORTS AND FILE TECHNICAL REVISIONS OR AMENDMENT APPLICATIONS AS NECESSARY THROUGHOUT THE LIFE OF THE MINE.

Julie Munklas

JULIE MIKULAS, MARTIN MARIETTA MATERIALS, INC.

11/10/2022

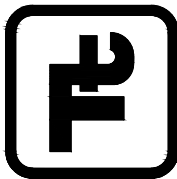
MATCHLINE SEE SHEET C4

Note: Based on the Flood Evaluation completed by Anderson Consulting Engineers, Inc. dated January 8, 2024, there is high ground in the northwest corner of Area E-II what would prevent inundation of the area during a flood. Martin Marietta commits to maintain this naturally occurring elevated ground as it is within the designated mining setbacks for the property boundary and river.

NOTE: DEPTH OF DEPOSIT IS APPROXIMATELY 15-20 FEET.

Bar Measures 1 inch, otherwise drawing not to scale

TETRA TECH



1900 S. SUNSET STREET, SUITE 1-E
LONGMONT, COLORADO 80501
TEL: 303.772.5282
www.tetratech.com

MARK	DATE	DESCRIPTION	BY
	12/23/21	ORIGINAL SUBMITTAL	
	11/10/22	ADEQUACY REVIEW 1	

MARTIN MARIETTA

HOME OFFICE
LARIMER COUNTY, COLORADO

MINING PLAN

PROJ:	117-8741002
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DESN:	JJA
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DRWN: JJA

CHKD:	KKJ
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C3

EXHIBIT D – THE MINING PLAN

Excavation is occurring on a deposit of Valley-fill materials of the Pleistocene and recent ages which makes up the flood plain of the Cache La Poudre River. The deposit can occur naturally at the surface, or where it has been exposed by flooding or other erosion. The majority of the deposit is overlain by soil. The deposit extends to a variable depth of 10 to 20 feet, with the majority of the deposit occurring to a depth of 15 feet.

Referring to the soil series descriptions under Exhibit I, deposit material will be considered to commence at the top of the C soil profile horizon for affected soils. The C horizon occurs at depths of one to five feet from the surface, depending upon the soil/ A and B soil profile horizons will be salvaged as soil and managed as discussed under Exhibit I. The exception will be on areas lacking soil profile development [(92) – Riverwash soils], or where soil was removed prior to 1973 [(42) – Mined-out areas]. On such areas, the deposit will be considered to occur at the surface.

Underlying the deposit throughout the affected lands is a deposit of Pierre Shale. The shale is encountered as a result of deposit variations. Since the shale occurs under reduced conditions, it appears grey to dark grey when exposed. Shale will be treated as waste material and will be left in piles on the pit floor to aid in the creation of an irregular pond bottom for improved aquatic habitat. The shale is not expected to have an adverse effect on the water quality of the resulting pond since it is a natural part of the local hydrology. It should be noted as well that the shale will be minimally encountered, and will not comprise the majority of the pit floor, since residual deposit material and reject fines will remain there as well. A typical cross section of area geology, and related drill log information, is located at the back of Exhibit G – Water Resources.

Site preparation prior to mining will occur in the following manner. First, trees and other woody vegetation, where encountered and requiring removal, will have the slash windrowed and burned, or will be hauled off site to a designated land fill. Tree trucks and limbs will be stored for disposal into final ponds for fish habitat enhancement; or will be bucked and sold or given away as firewood; or will be hauled off site to a designated land fill. Every effort will be made to avoid nonessential removal or impact to mature woody vegetation. Existing woody vegetation can be viewed under Exhibit C1 and C2, Existing Conditions Aerial Photograph.

Next, soil to be salvaged will be removed with scrapers in advance of one years anticipated excavation. Maintaining optimum vegetation cover as excavation progresses over the site, will aid in maintaining overall site stability. Salvaged soil will be stockpiled on the excavation perimeters. The stockpile will not exceed 25 feet in width or 3 feet in height, and all final slopes will be at 3h:lv. slopes, and stockpile height will be limited by the area extent to which they are confined, and by the percent slope as indicated. All remaining excess soil will be stockpiled at plant site locations and made available for sale. Soil volume records will be maintained to assure adequate soil replacement depth. Stabilization of soil stockpiles, soil replacement depths, and other soil management information is detailed under Exhibit I – Soils Information.

Following soil salvage, excavation will proceed to remove the aggregate deposit and transport it to one of the plant site/deposit stockpile areas for processing. All earth moving operations utilize modern earth-moving equipment, including (but not limited to): scrapers, front-end loaders, shovels, draglines, bulldozers, backhoes, haulers, and other equipment of various makes, sizes, and capacities.

As excavation advances, grading of the perimeter will occur concurrently with mining. Only the advancing pit wall will be steeper than 3h:lv (with the exception of areas of excavation greater than 10 feet below the final anticipated pond water level, where slopes may approach 2h:lv). All other slopes will be maintained at 3h:lv, or flatter. Some slope anomalies may occur where slopes exceed 3h:lv, but not steeper than 2h:lv. Such anomalies will generally not exceed 25 linear feet, but may occur within five feet above to ten feet below the anticipated final elevation of the water in the resulting ponds. This is contrary to Rule 6.1 (f), and is mentioned, not in an effort to circumvent the rule, but to allow some room for error. Such anomalies will not exceed 10% of the total linear feet of the final shoreline for each individual pond, resulting in an allowance of 10% slope error.

Before excavation can occur to any significant extent, and in order to mine the resulting pits in a dry condition, dewatering must occur. Eventually, dewatering trenches are created at the bottom of the pit floor. Water is discharged at points identified on Exhibit C3 and C4. The dewatering of pits is discussed in detail under Exhibit G – Water Resources.

The excavation limits are represented under Exhibit C3 and C4, and establish specific minimum distances between the excavation and man-made structures or natural features. Anomalies of 10% of the total length involved may occur where excavation breaches the minimum setbacks, however, such anomalies will not exceed 10% of the required setback distance. These setbacks, or buffers, are specified below:

- * Adjacent property (i.e., permit boundaries) = 25 feet.
- * Irrigation ditches = 50 feet.
- * Residential buildings (unless a written agreement specifying closer distances exists) = 200 feet.
- * Colorado Southern Railroad and adjacent power line = 50 feet.
- * Taft Hill Road = 75 to 125 feet.
- * Fort Collins Recreation Trail = 25 feet.

As indicated under Exhibit C1, KOA Campground contains several buildings that are located within 200 feet of the excavation as proposed under Area G, phases I & II, as presented under Exhibit C3, Mining Plan Map. This area was previously part of the permit as Area Z and was mined and released prior to this amendment. KOA has been mailed a structure agreement along with all other structures within 200 feet.

Where excavation has already occurred on some pre-1973 areas, excavation came closer to the river than 100 feet. There were no existing buffer commitments under the original permits when this occurred however. River erosion has also contributed to narrower buffers between the excavation and the river. Excavated materials will be stockpiled or processed at area 5. Where material is washed at the wash plant, a settling pond is used to minimize siltation of resulting ponds. Settling pond locations identified on the previous Exhibit C were in Areas 1, 2, and pre-1973 mine areas and F. Area 1, 2, and pre-1973 area settling ponds are no longer used and have been backfilled with the exception of a small stormwater pond on the south end of Area 1. Area 5 plant site/deposit stockpile will be mined as part of phase II of area E excavation. Areas 3 and 4 plant site/deposit stockpiles were also mined, extending east and west a pre-1973 pond during excavation of area E, phase I. Areas 1 and 2 will function as plant sites long after mining at the HOME OFFICE MINE is completed. Presently, the principal processing occurs in area 5. Area 1 has other service buildings north and south of the office Area 1 is the present location of the asphalt processing facilities.

Areas W, X, and Y, were affected by mining operations prior to 1973, and have not been re-affected since. They have a commercial/industrial use at present. These areas will only be marginally affected by excavation of Areas 3, 4, G-1 and G – II. Area V, will remain undisturbed for the life of the mining operation with the exception of the conveyor bridge overhead.

Table II no longer applies and has been removed. A general description of the sequencing of the excavation and mining timetable follows, and is summarized in Table III. The mining timetable will be adjusted in the annual report as necessary. Reclamation is detailed in the following Exhibit E.

TABLE III
EXCAVATION SEQUENCE AND MINING TIMETABLE

AREAS W, X, Y – PRE-1973 DISTURBANCE.

AREA Z – PRE-1973 DISTURBANCE AND RELEASED FROM THE PERMIT

AREAS T, U – UNAFFECTED AND RELEASED FROM THE PERMIT

AREA, V – UNAFFECTED LANDS.

AREAS B, D, H – MINING COMPLETED AND RELEASED FROM THE PERMIT.

AREAS C, I – MINING COMPLETED AND RELEASED FROM THE PERMIT

AREA F – MINING COMPLETED AND USED FOR SILT STORAGE

AREA J MINING COMPLETED AND RELEASED FROM THE PERMIT

AREA E 1988 THROUGH 2024

AREA A – MINING COMPLETED AND RELEASED FROM THE PERMIT

AREA 5 – MINING 2022-2024 AS PART OF AREA E

AREA G - MINING COMPLETED

ADDENDUM – EXHIBIT D – THE MINING PLAN

Response to the CMLRD letter of adequacy of 15 October 1987

1. Backfilling of the Area 1 pond is dependent upon reject materials from the wash plant and other inert, non-toxic fill for which a rate cannot be determined. However, due to the length of the project and relatively small size of the pond, backfilling is assured within the periods provided for the life of the mining and reclamation timetables. Note: For this 2022 Amendment, Area 1 has all been backfilled except for a small stormwater pond which will remain.

This Area is scheduled for alternate reclamation as detailed under the 10/15/87 addendum to Exhibit E.

ADDENDUM – EXHIBIT D – MINING PLAN

Amendment 03 submitted 30 June 2006

The overall mining plan for the site does not deviate greatly from the plan previously presented in the July 1987 Amendment 02. In 2005, Lafarge mined through a portion of the 25-foot offset berm separating what is known as the Seaworth Parcel (Exhibit C-4, Area F) and the Taft Hill Expansion Pit (Permit No. M-2001-051). This resulted in a disturbance of an additional 0.38 acres. The berm was backfilled and re-established in order to remain in compliance with the Taft Hill Expansion permit and the Home Office Pit Mining Plan was amended.

ADDENDUM-EXHIBIT D-MINING PLAN

Technical Revision 07 submitted 6/12/2024

Based on the Flood Evaluation completed by Anderson Consulting Engineers, Inc. dated January 8, 2024, there is high ground in the northwest corner of Area E-II that would prevent inundation of the area during a flood. Martin Marietta commits to maintain this naturally occurring elevated ground as it is within the designated mining setbacks from the property boundaries and river.

In the northeast corner of Area E-I, there are two minor spill areas identified that would require a .5 foot of fill in one spill area and 2 feet of fill in the other spill area. Martin Marietta commits to adding the appropriate fill to bring these spill areas up to Elevation 5021.

3.0 FLOOD EVALUATION OF AREA E-I and E-II

Based on the Flood Evaluation completed by Anderson Consulting Engineers, Inc. dated January 8, 2024, there is high ground in the northwest corner of Area E-II that would prevent inundation of the area during a flood. Martin Marietta commits to maintain this naturally occurring elevated ground as it is within the designated mining setbacks from the property boundaries and river.

In the northeast corner of Area E-I, there are two minor spill areas identified that would require a .5 foot of fill in one spill area and 2 feet of fill in the other spill. Martin Marietta commits to adding the appropriate fill to bring these spill areas up to Elevation.