

Chino Mines Company PO Box 10 Bayard, NM 88023

June 26, 2024

Certified Mail # 70190140000026680044 Return Receipt Requested

Mr. Kevin Barnes and Mr. DJ Ennis Energy, Minerals & Natural Resources Dept Mining and Minerals Division Mining Act Reclamation Program 1220 South St. Francis Drive Santa Fe, NM 87505

Dear Mr. Barnes and Ennis:

Re: Freeport-McMoRan Chino Mines Company –

Modification Request to Permit No. GR009RE- Southwest Lampbright

Waste Rock Stockpile Buttress

As we have discussed, Freeport-McMoRan Chino Mines Company (Chino) needs to construct a buttress on the north side of the Southwest Lampbright Waste Rock Stockpile to stabilize the stockpile where a toe heave has been observed. The buttress/infill was designed by Knight Piesold Consulting and is included in Attachment 5. Please note that Knight Piesold gave this buttress a new stockpile name, however, it is simply an extension of the existing Southwest Lampbright Waste Rock Stockpile and is being built to stabilize the stockpile. The entire area of the butress/infill is inside the the current Design Limits of the existing Lampbright stockpiles. Attachment 1 is a copy of the current design limits.

During our discussion you raised a question regarding whether there is a change to the Chino Closure-Closeout Plan (CCP) as currently approved. Provided in Attachment 3 are two figures of the area of the Southwest Lampbright Waste Rock Stockpile and the buttress/infill. The first figure shows the current topography of the Southwest Waste Rock Stockpile and the Lampbright Leach Stockpile. This shows a small corridor between the two stockpiles which results in two steep slopes that have to be reclaimed at closure. The current reclamation design (Attachment 2) grades and covers the slopes and maintains a drainage in this corridor. The second figure shows the buttress filling in the corridor between the two stockpiles. Included on these figures are the flat areas in green and the slopes in yellow and pink. As you can see, the slopes are reduced by 28 acres and the flat area increased by 28 acres. As we know, flat areas are less expensive to reclaim than slopes and therefore, our analysis is that the construction of the buttress will result in a slight reduction in cost and associated financial assurance. This buttress was also included in the Renewal and Modification of DP-376 with the New Mexico Environment Department. A map of the Lampbright area including the SW Lampbright Stockpile and the buttress from DP-376 is included in Attachment 4.

After our discussion on June 14, 2024, MMD determined that according to 19.19.5.505 NMAC, the designed buttress/infill will require a permit modification due to a change in the financial assurance associated with the approved closeout plan. A check in the amount of \$1,000 as

Messers. Barnes and Ennis June 26, 2024 Page 2

required by 19.10.2.201 is attached for processing this permit modification request. If you have any questions, please contact me at 575-912-5927.

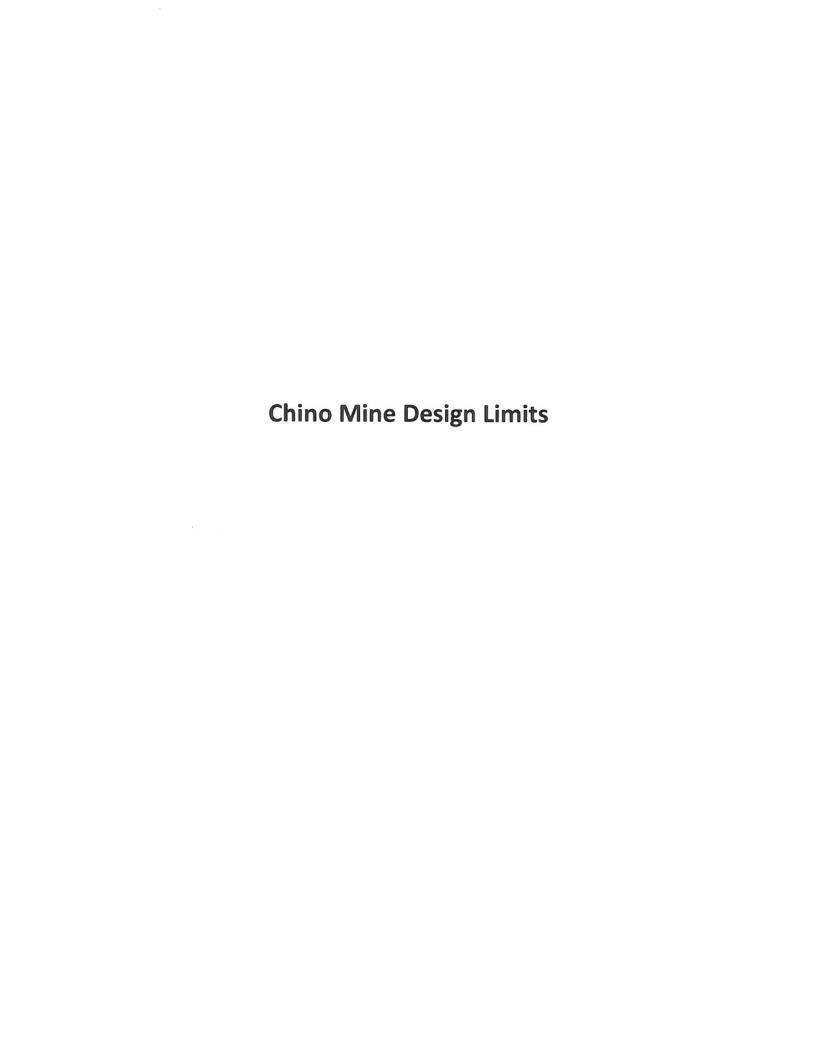
Sincerely,

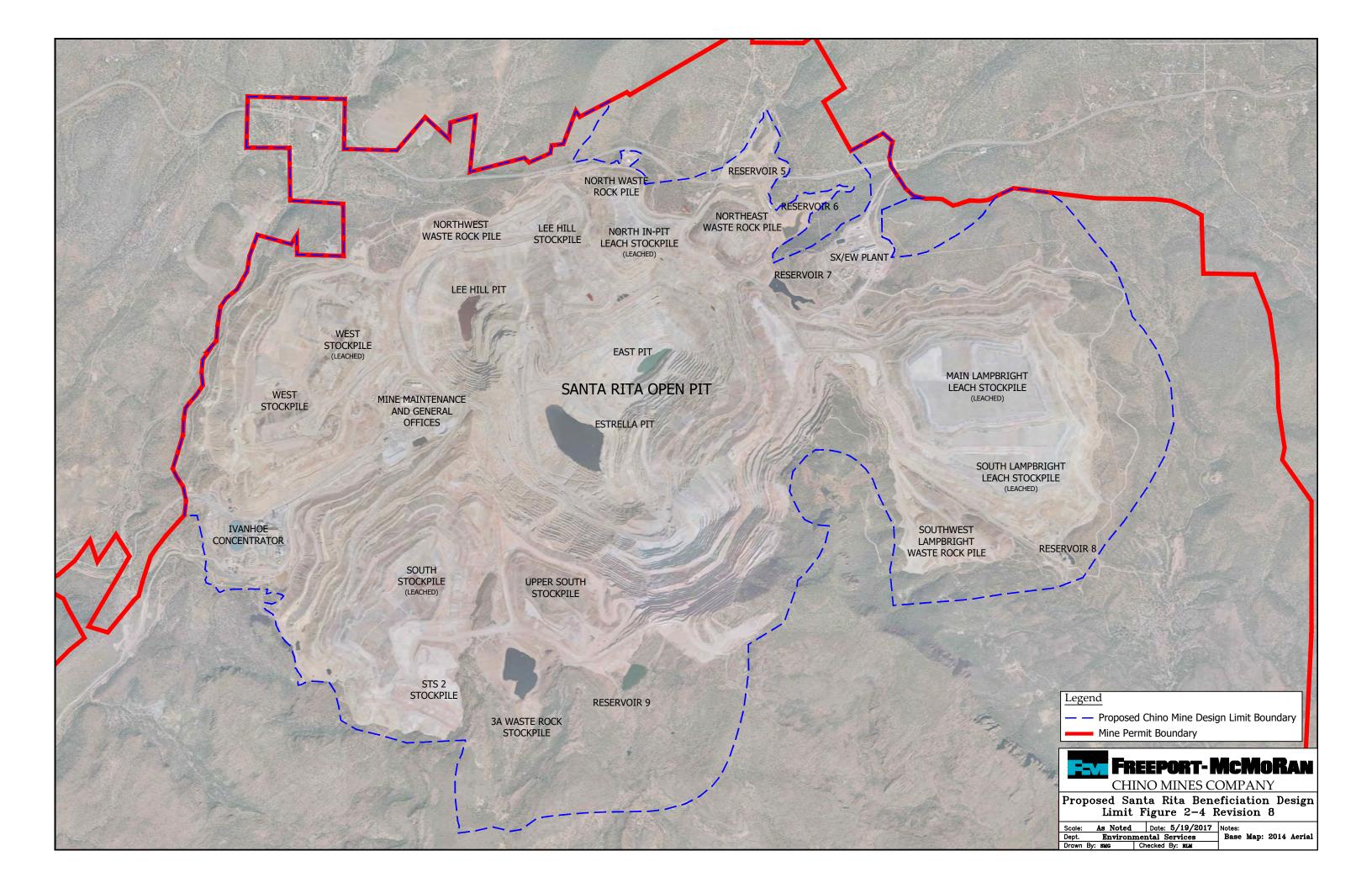
Sherry Burt-Kested, Manager Environmental Services

Attachments:

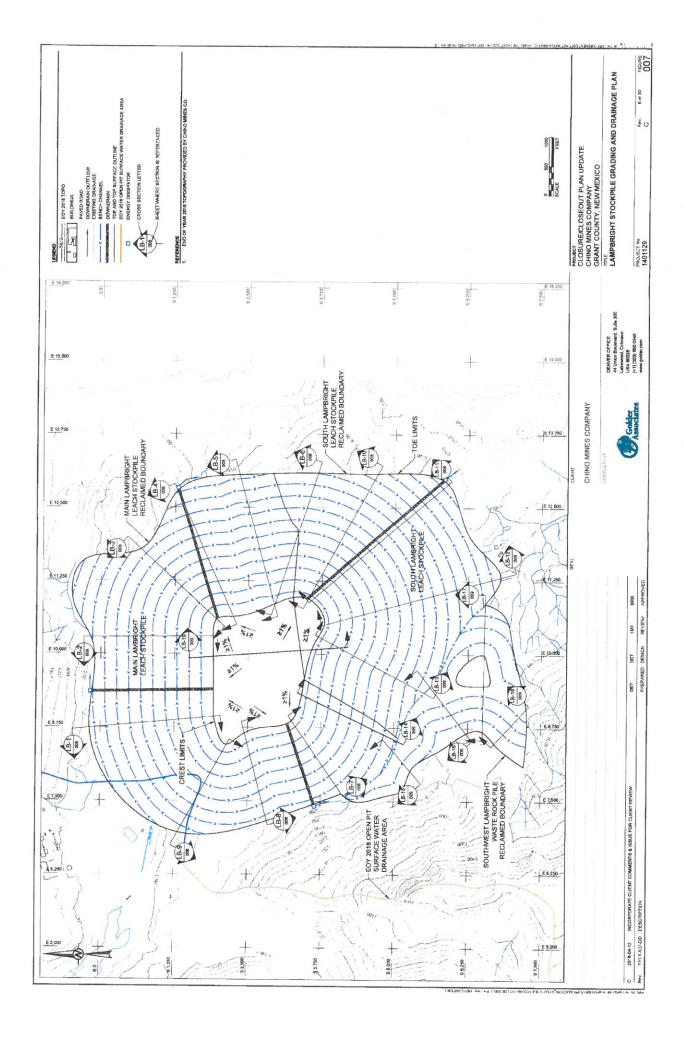
- 1. Chino Mine Design Limits
- 2. Reclamation Design Drawing No. 7, Chino CCP Appendix A
- 3. Closure Design of SW Waste Rock Stockpile Before and After Buttress
- 4. DP-376 Map of SW Waste Rock Stockpile including Buttress
- 5. Knight Piesold Consulting Design of the Southwest Lampbright Waste Rock Stockpile Buttress/Infill
- 6. Check for \$1,000 for permit modification processing

SBK: ml Enclosures 20240626-002

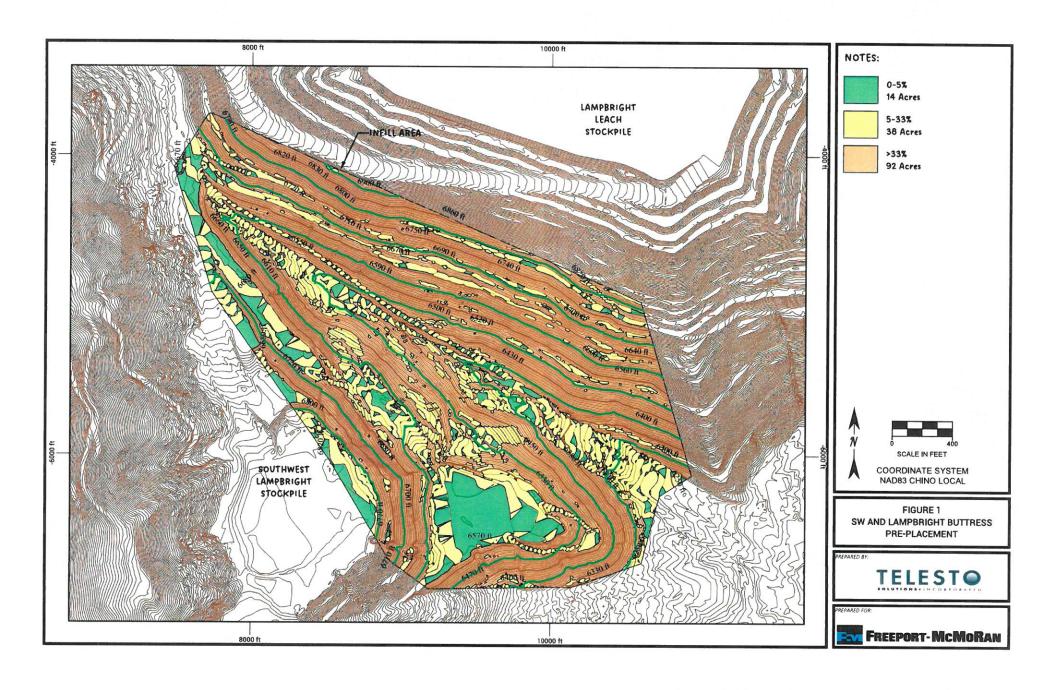


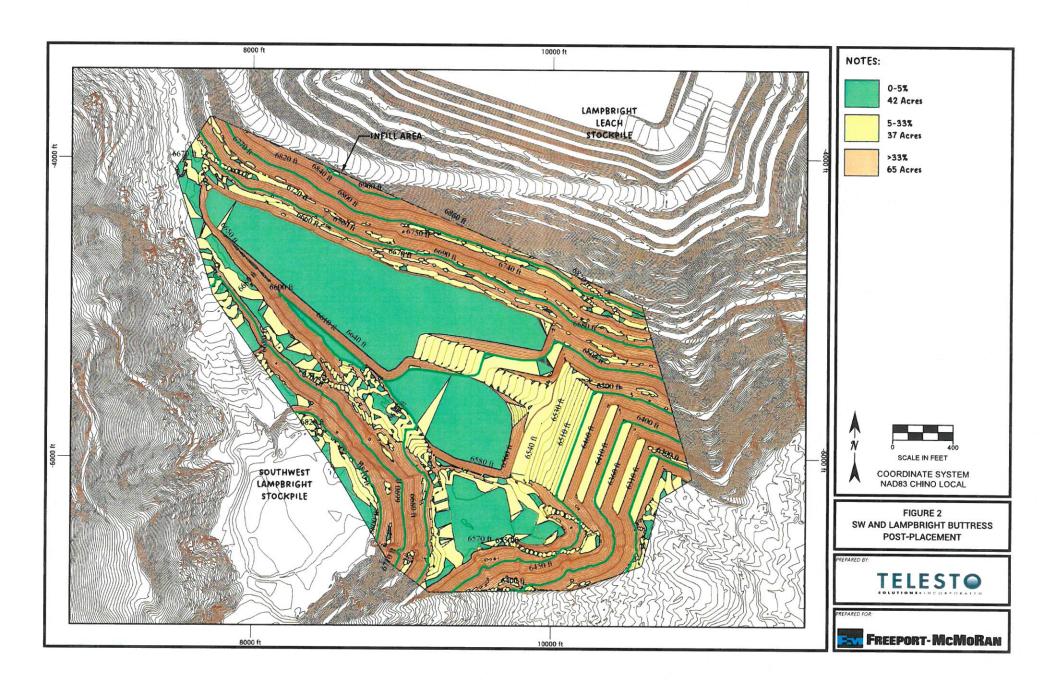


Reclamation Design Drawing No. 7, Chino CCP Appendix A

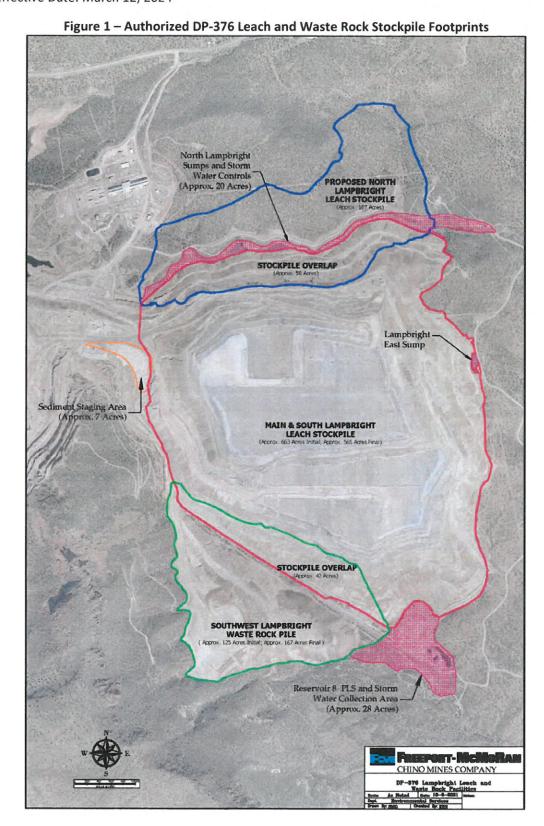


Closure Design of SW Waste Rock Stockpile Before and After Buttress





DP-376 Map of SW Waste Rock Stockpile including Buttress



Knight Piesold Consulting Design of the Southwest Lampbright Waste Rock Stockpile Buttress/Infill

FREEPORT-MCMORAN CHINO MINES COMPANY **CHINO MINE GRANT COUNTY, NEW MEXICO, USA**

DAM EIGHT WASTE ROCK STOCKPILE **DETAILED DESIGN**

	DRAWINGS INDEX			
DRAWING NUMBER				
000	COVER SHEET	В	12/20/2023	
005	PROJECT LOCATION MAP	В	12/20/2023	
050	OVERALL SITE PLAN	8	12/20/2023	
060	EXISTING CONDITIONS PLAN	В	12/20/2023	
100	DAM EIGHT WASTE ROCK STOCKPILE GENERAL LAYOUT	C	12/20/2023	
102	DAM EIGHT WASTE ROCK STOCKPILE TYPICAL SECTION	C	12/20/2023	
105	BUTTRESS FOUNDATION EXCAVATION PLAN	C	12/20/2023	
110	BUTTRESS GENERAL LAYOUT	С	12/20/2023	
115	UNDERDRAIN PLAN		12/20/2023	
116	UNDERDRAIN PROFILE		12/20/2023	
120	RESIDUAL SEEPAGE COLLECTION SUMP PLAN, PROFILE, DETAIL, AND SECTION		12/20/2023	
125	TYPICAL SECTIONS AND DETAILS	8	12/20/2023	
130	IMPACTED STORMWATER DIVERSION CHANNEL PLAN	8	12/20/2023	
132	WEST IMPACTED STORMWATER DIVERSION CHANNEL PLAN AND PROFILE (1 OF 2)	8	12/20/2023	
133	WEST IMPACTED STORMWATER DIVERSION CHANNEL PLAN AND PROFILE (2 OF 2)	8	12/20/2023	
134	WEST IMPACTED STORMWATER DIVERSION CHANNEL HORIZONTAL CONTROL DATA	8	12/20/2023	
135	WEST IMPACTED STORMWATER DIVERSION CHANNEL SECTIONS	8	12/20/2023	
136	EAST IMPACTED STORMWATER DIVERSION CHANNEL PLAN AND PROFILE	8	12/20/2023	
137	EAST IMPACTED STORMWATER DIVERSION CHANNEL HORIZONTAL CONTROL DATA	8	12/20/2023	
138	EAST IMPACTED STORMWATER DIVERSION CHANNEL SECTIONS	В	12/20/2023	
145	IMPACTED STORMWATER DIVERSION CHANNEL DETAILS	8	12/20/2023	

ISSUED FOR REVIEW DECEMBER 20, 2023

Prepared for:

FREEPORT-MCMORAN **CHINO MINES COMPANY**

PHYSICAL: 99 SANTA RITA MINE ROAD **VANADIUM, NEW MEXICO** USA, 88023

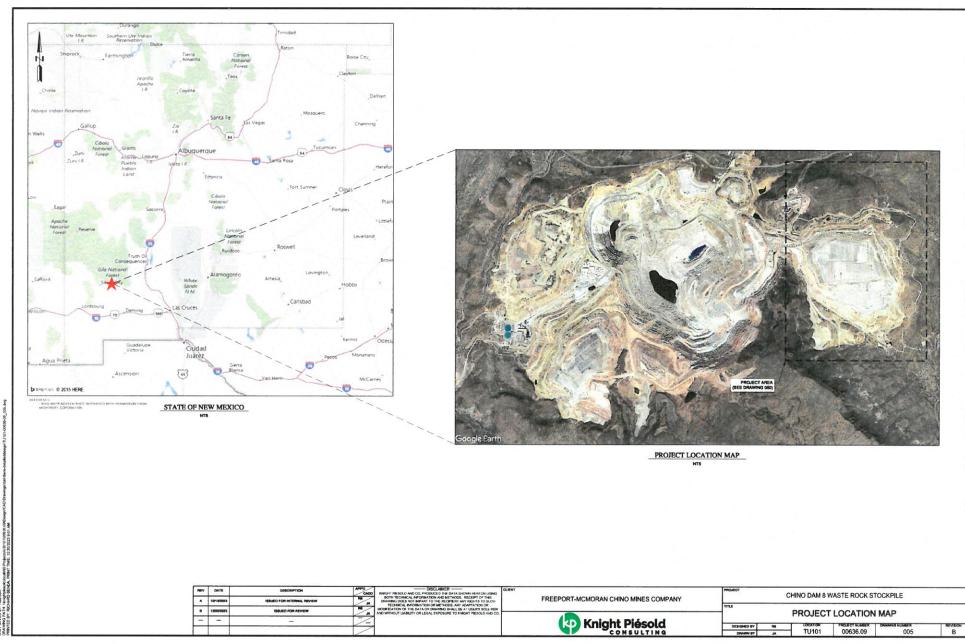
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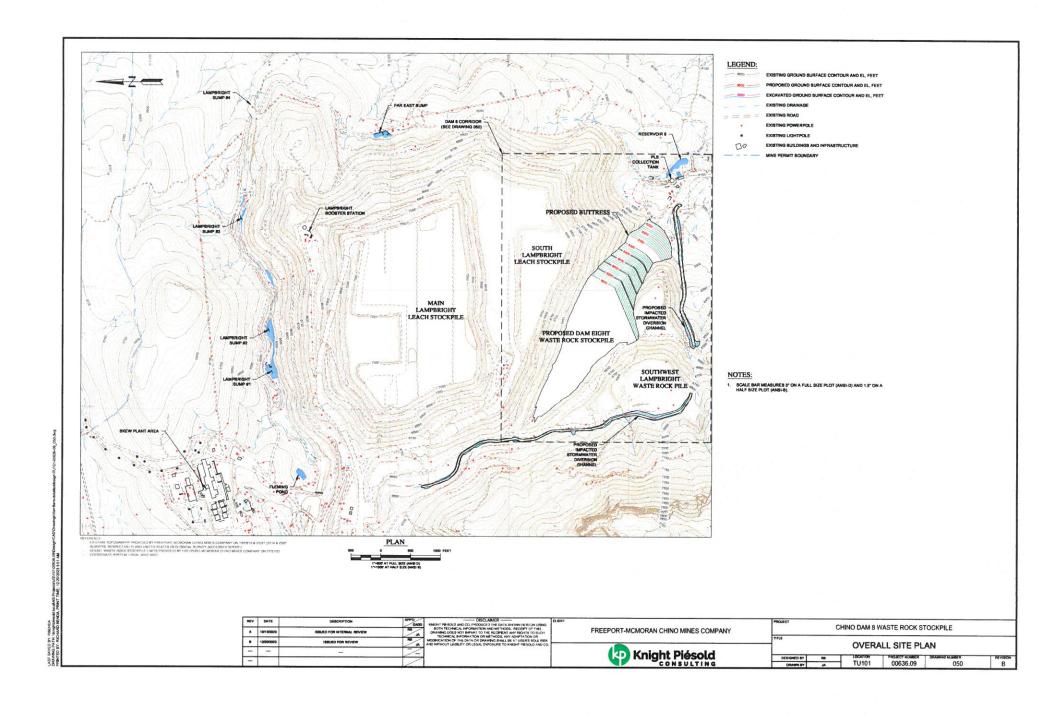
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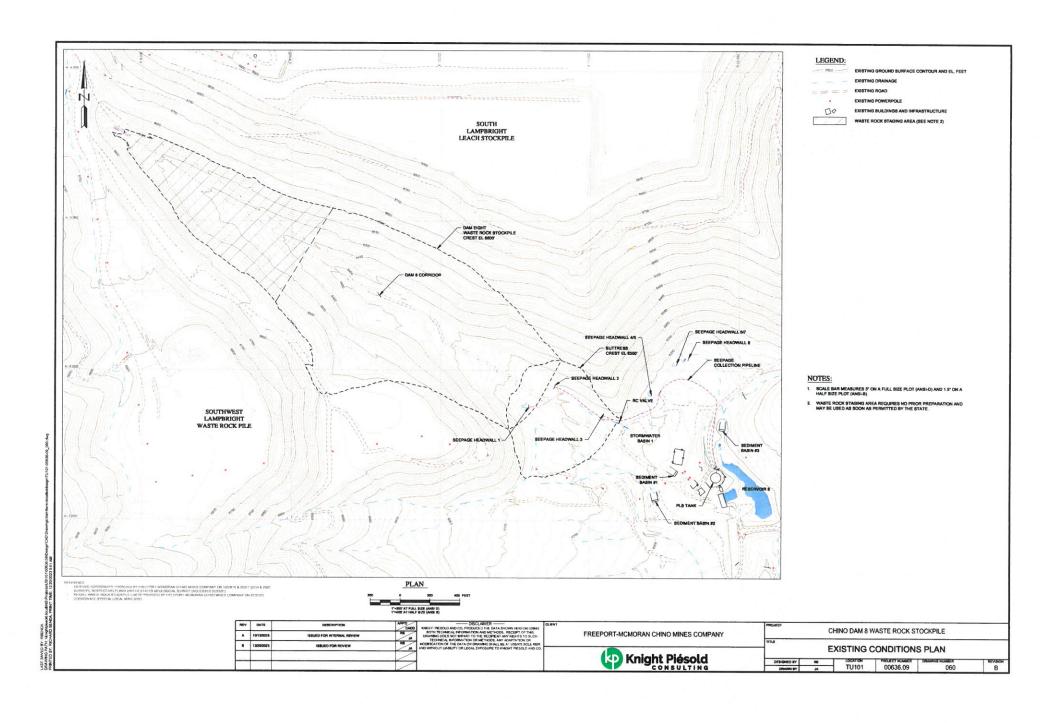


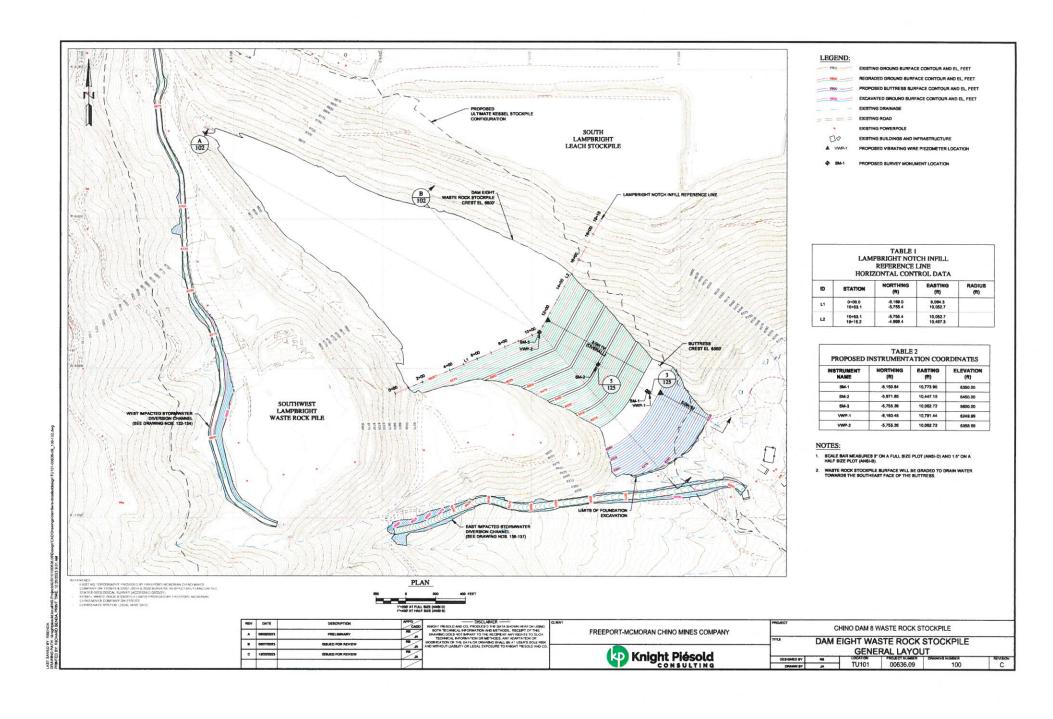
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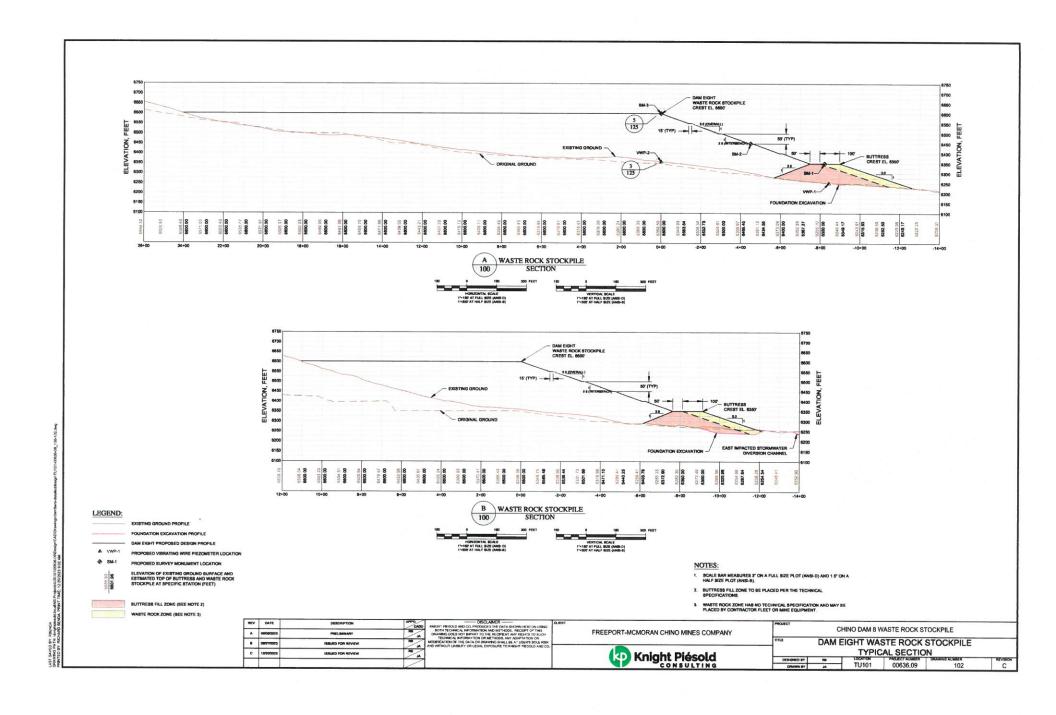
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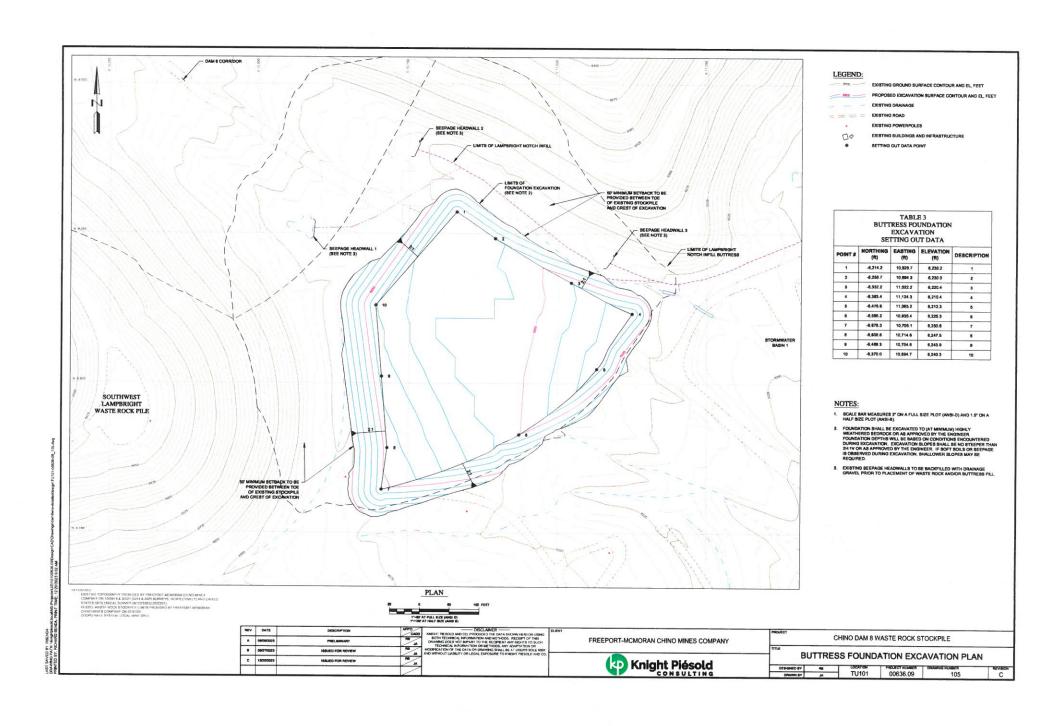


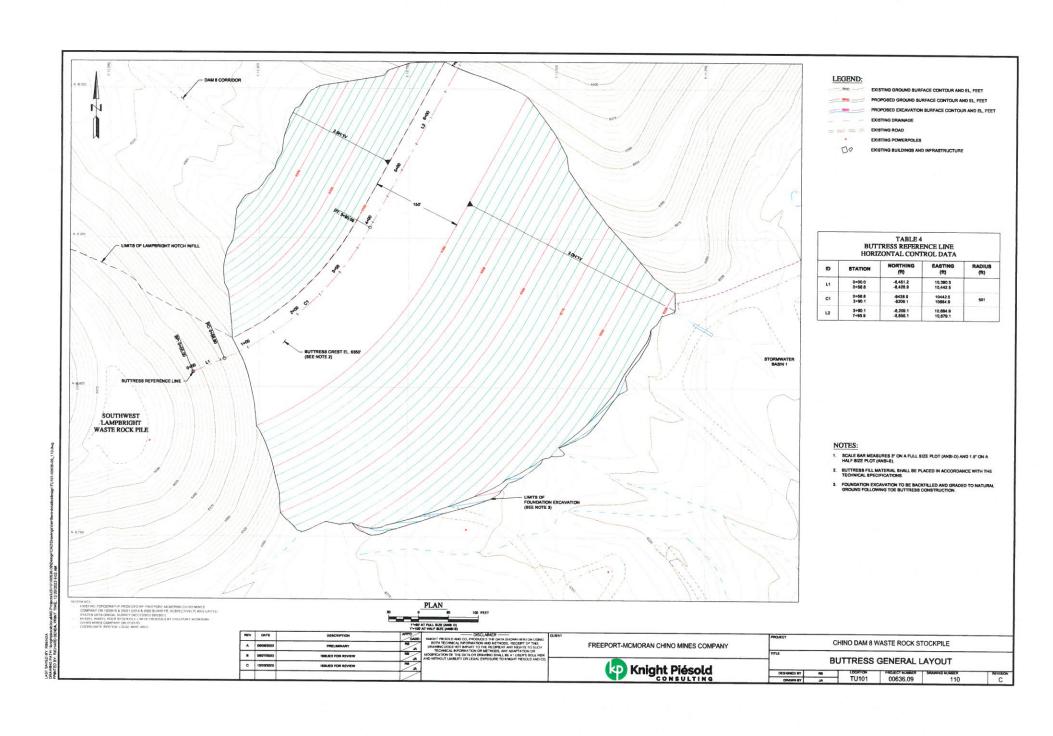


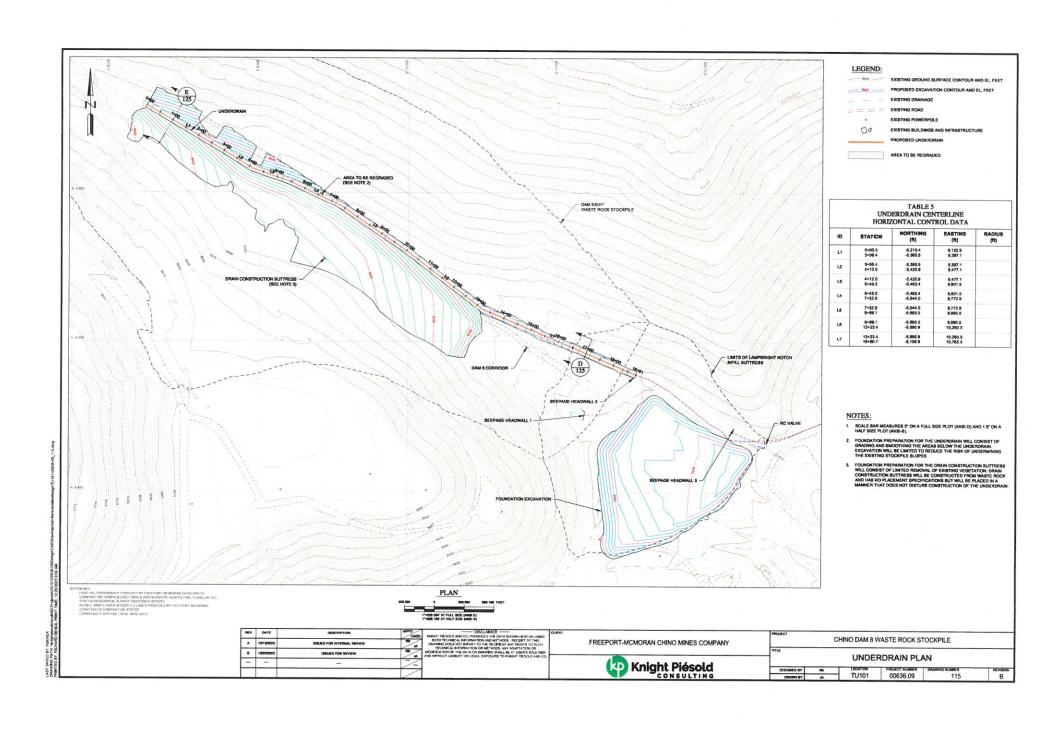


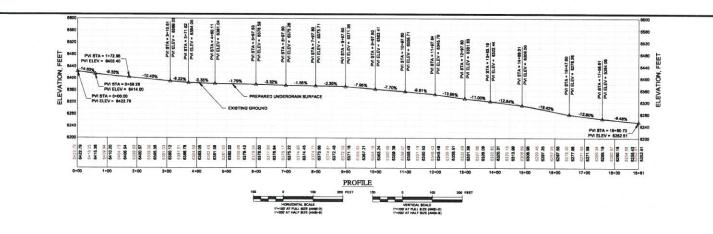


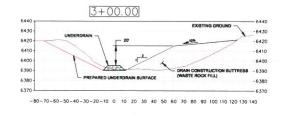


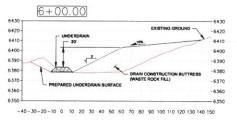


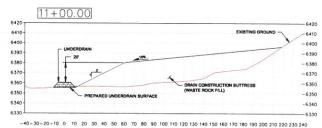












LEGEND:

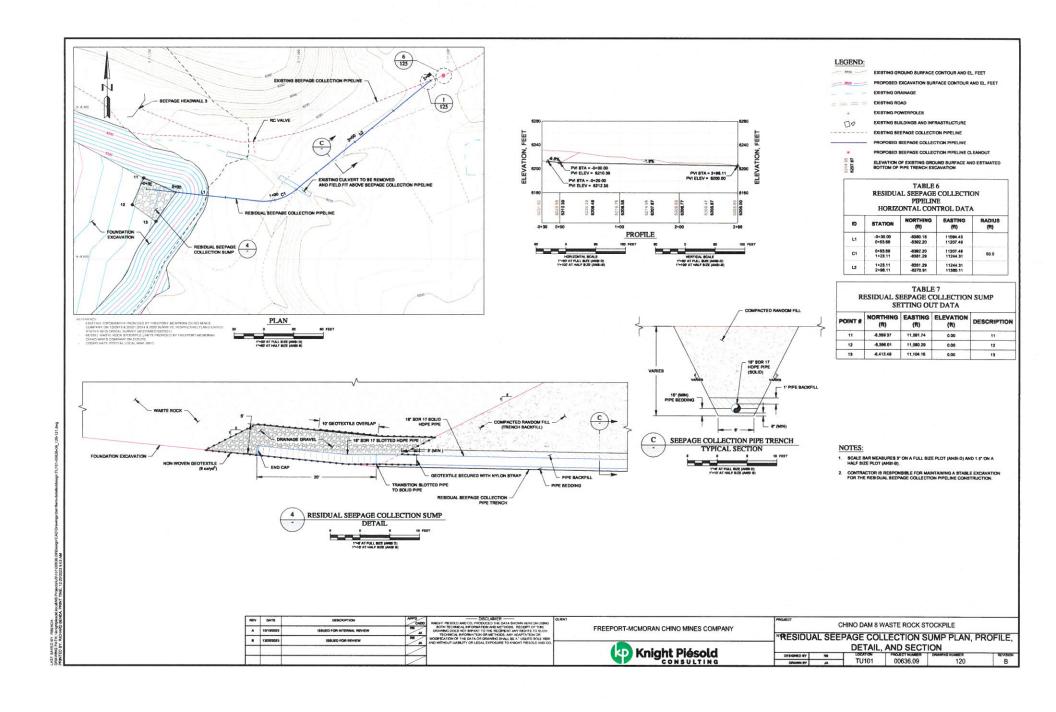


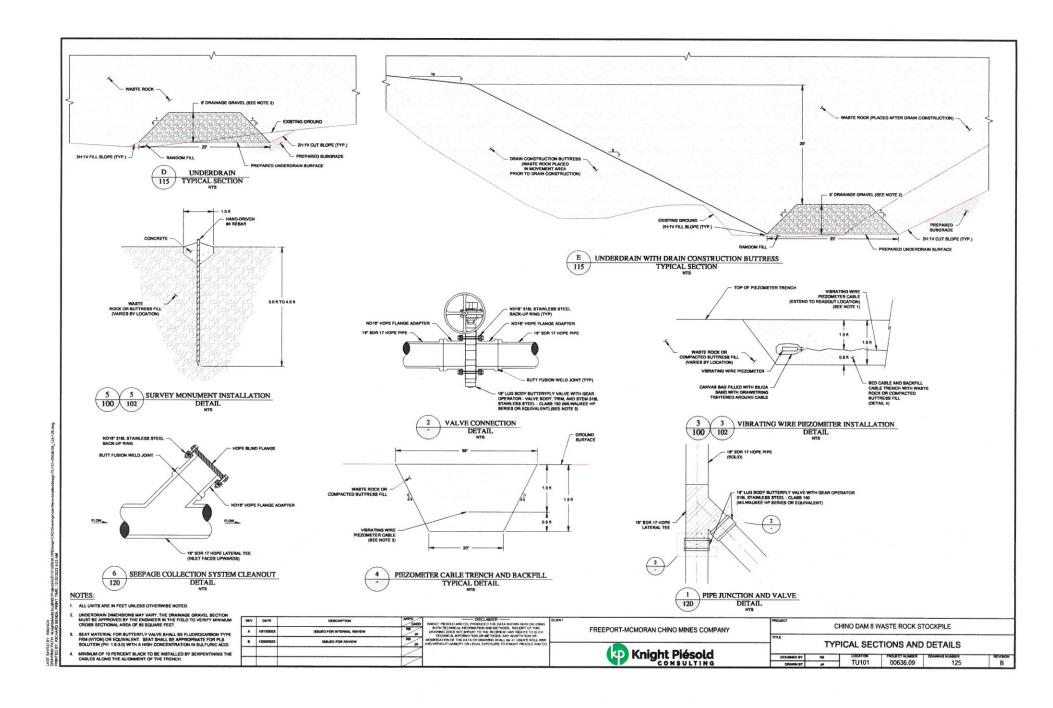
ELEVATION OF EXISTING GROUND SURFACE AND TOP OF REGRADED GROUND SURFACE AT SPECIFIC STATION

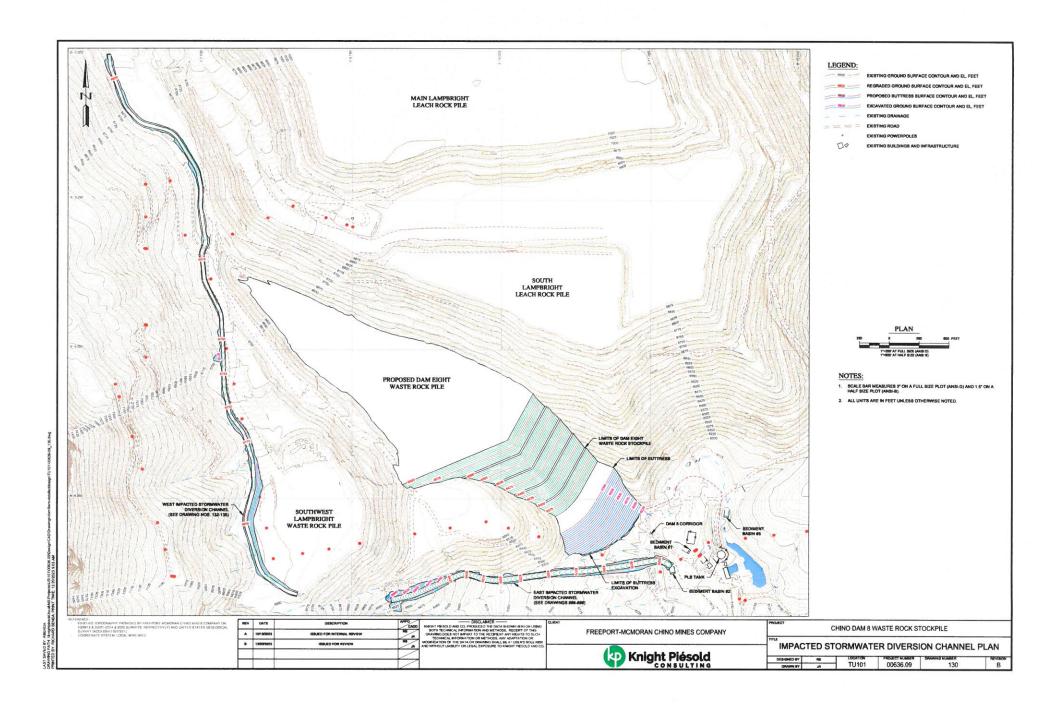
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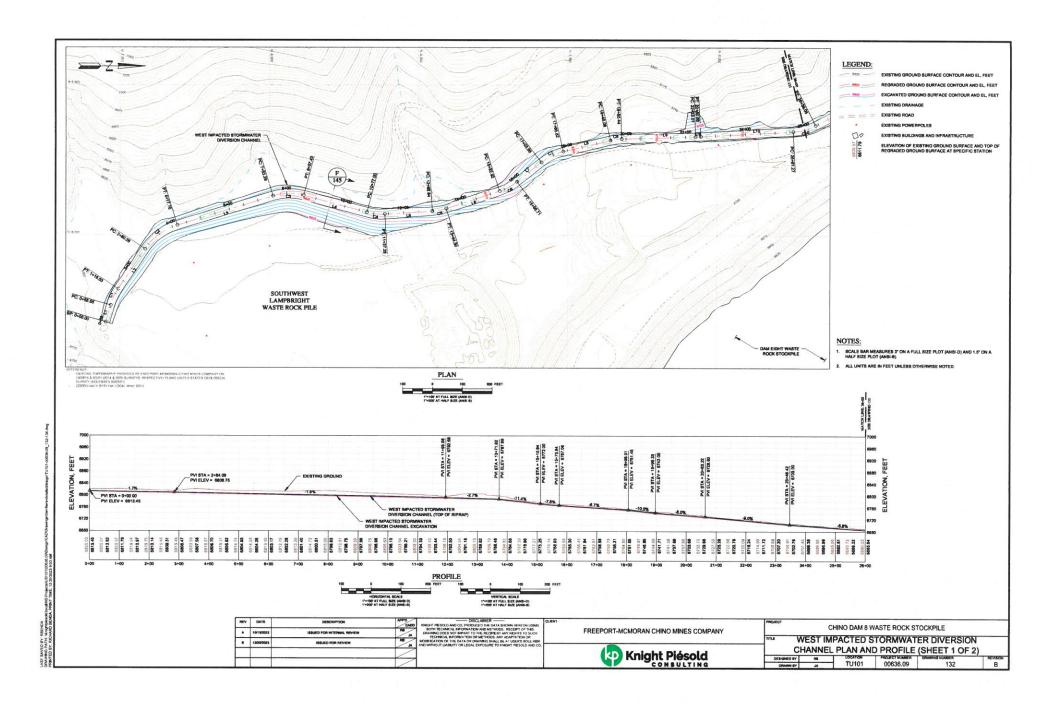
 SCALE BAR MEASURES 3" ON A FULL SIZE PLOT (ANSI-D) AND 1.5" ON A HALF SIZE PLOT (ANSI-B).

CHINO DAM 8 WASTE ROCK STOCKPILE	
AIN PROFILE AND DRAIN BUTTRESS SECTION	
AND TUTOT 00636,09 116 E	
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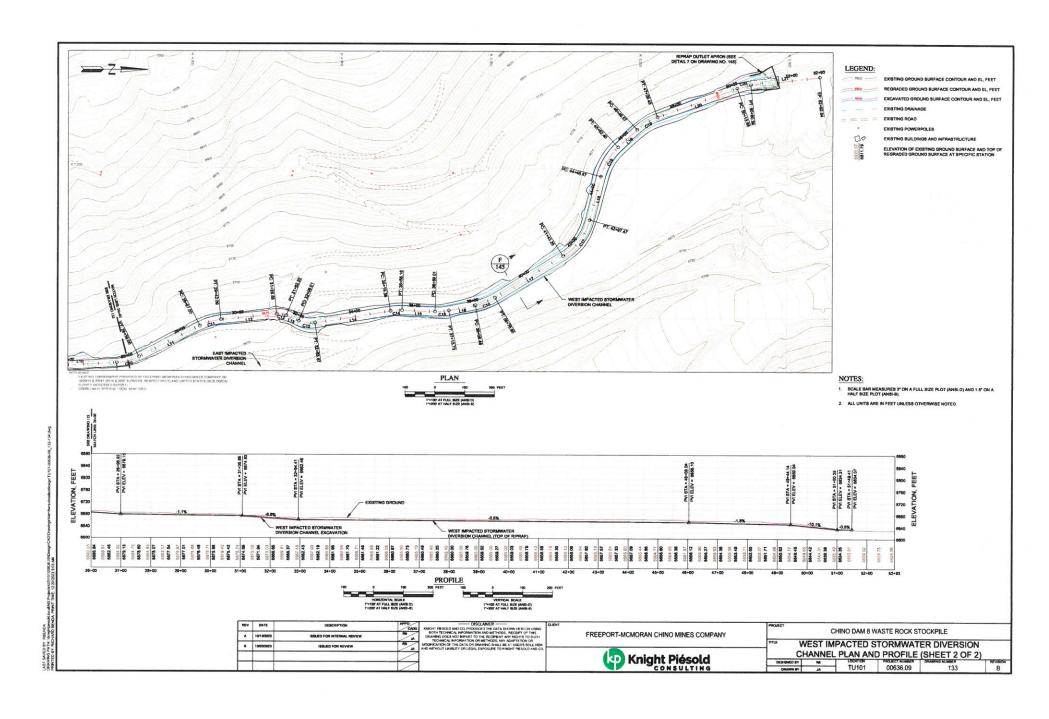


TABLE 8 WEST IMPACTED STORMWATER DIVERSION CHANNEL HORIZONTAL CONTROL DATA

ID	STATION	NORTHING	EASTING	RADIUS
L1	0+00.00 0+58.55	-7047.05 -7030.58	8293.37 8237.19	
C1	0+58.55 1+18.53	-7030.58 -7005.40	8237.19 8182.99	200.0
L2	1+18.53 2+80.26	-7005.40 -6916.11	8182.99 8048.16	
æ	2+80.26 4+17.75	-6916.11 -6808.15	8048.16 7967.42	200.0
LS	4+17.75 7+53.29	-8808.15 -8487.44	7967.42 7868.78	
cs	7+63.29 8+67.43	-6487.44 -6384.67	7868.76 7866.86	186.2
и	8+57.43 10+77.00	-6384 67 -6172.53	7866.86 7923.52	
C4	10+77.00 11+37.28	-8172.53 -6112.82	7923.52 7929.45	186.2
L6	11+37.28 12+98.84	-6112.82 -5953.57	7929.45 7919.45	1000000
C5	12+96.84 13+44.30	-5953.57 -5907.09	7919.45 7910.50	186.2
L6	13+44.30 15+32.92	-5907.09 -5727.91	7910.50 7851.58	
CS	15+32 92 15+98.71	-6727.91 -6670.29	7851.58 7820.52	186.2
L7	15+98.71 17+03.58	-8670.29 -8588.18	7820.52 7756.32	
C7	17+03.58 17+85.62	-8588.18 -6614.92	7755.32 7719.86	188.2
LB	17+85.62 19+48.08	-5614.92 -5356.75	7719.86 7682.77	
C8	19+48.08 19+85.44	-5356.75 -5319.78	7682.77 7677.94	186.2
LB	19+85.44 22+33.01	-6319.76 -5072.30	7677.94 7870.60	
C9	22+33.01 22+50.88	-5072.30 -5054.45	7670.60 7669.84	709.7
.10	22+60.88 25+61.27	-5054.45 -4744.53	7889.84 7852.83	
10	25+81.27 26+39.05	-4744.53 -4659.98	7852.83 7632.70	186.2
.11	26+39.05 28+67.50	-4669.08 -4466.57	7632.70 7528.71	

TABLE 8 WEST IMPACTED STORMWATER DIVERSION CHANNEL HORIZONTAL CONTROL DATA

ID	STATION	NORTHING	EASTING	RADIUS
C11	28+67.50 29+42.09	-4468.57 -4395.43	7528.71 7507.78	200.0
L12	29+42.09 31+29.58	-4395.43 -4206.87	7507.78 7489.11	
C12	31+29.58 31+62.22	-4208.87 -4176.93	7489.11 7493.94	66.4
L13	31+62.22 32+08.01	-4178.93 -4134.75	7493.94 7511.75	
C13	32+08.01 32+63.67	-4134.75 -4080.20	7511.75 7518.40	100.0
L14	32+63.67 35+19.38	-4080.20 -3827.85	7518.40 7478.40	
C14	35+19.38 35+58.18	-3827.86 -3788.99	7478.40 7478.07	200.0
L15	35+58.16 36+69.01	-3788.90 -3678.22	7478.07 7480.18	
C15	36+69.01 37+15.73	-3678.22 -3631.76	7480.16 7478.44	200.0
L16	37+15.73 38+06.49	-3631.78 -3642.75	7478.44 7458.70	
C16	38+06.49 38+78.90	-3642.75 -3477.51	7458.70 7433.19	200.0
L17	38+78.90 41+43.26	-3477.51 -3250.26	7433.19 7294.24	
C17	41+43.26 42+97.47	-3250.26 -3160.88	7294.24 7173.28	200.0
L18	42+97.47 44+48.47	-3180.88 -3123.36	7173.28 7027.01	
C18	44+48.47 45+62.40	-3123.35 -3065.97	7027.01 6930.38	200.0
.19	45+52.40 48+49.57	-3065.97 -3002.20	6930.36 6870.94	
C19	46+49.67 47+29.43	-3002.20 -2934.59	6870.94 6829.44	200.0
L20	47+29.43 50+13.88	-2934.59 -2667.85	6829.44 6731.74	
C20	50+13.88 50+60.39	-2667.65 -2622.32	6731.74 6720.93	200.0
L21	50+60.39 52+92.84	-2622.32 -2391.47	6720.93 6693.73	

REV	DATE	DESCRIPTION	CADO
A .	10/13/2023	ISSUED FOR INTERNAL REVIEW	ME M
	12/20/2023	ISSUED FOR REVIEW	RB JA

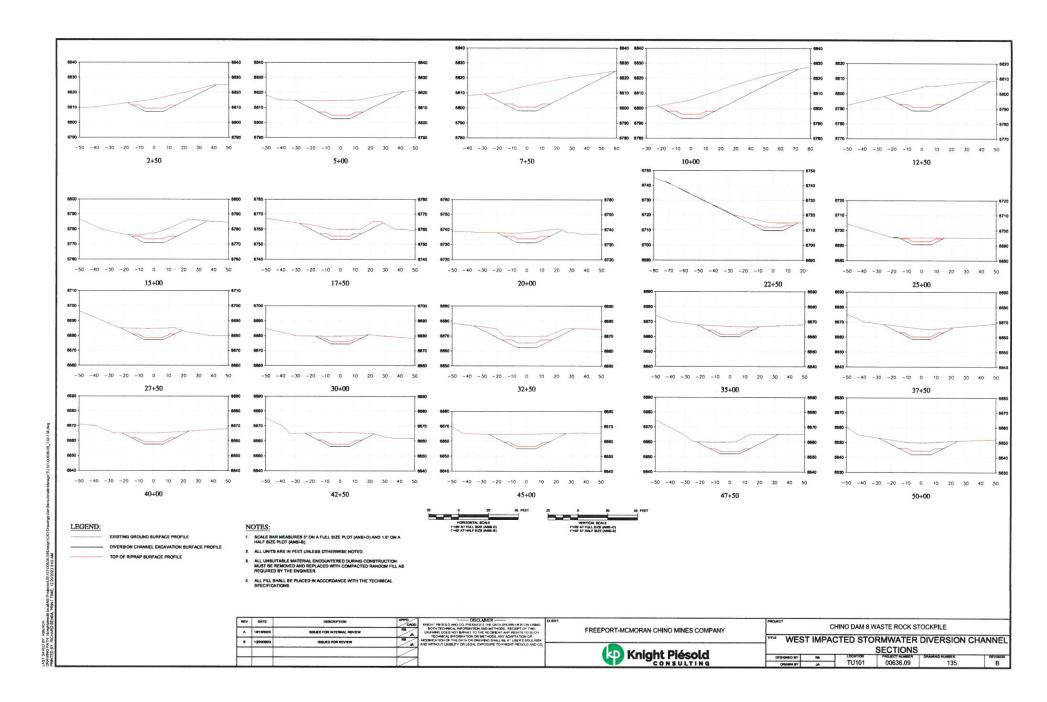
FREEPORT-MCMORAN CHINO MINES COMPANY

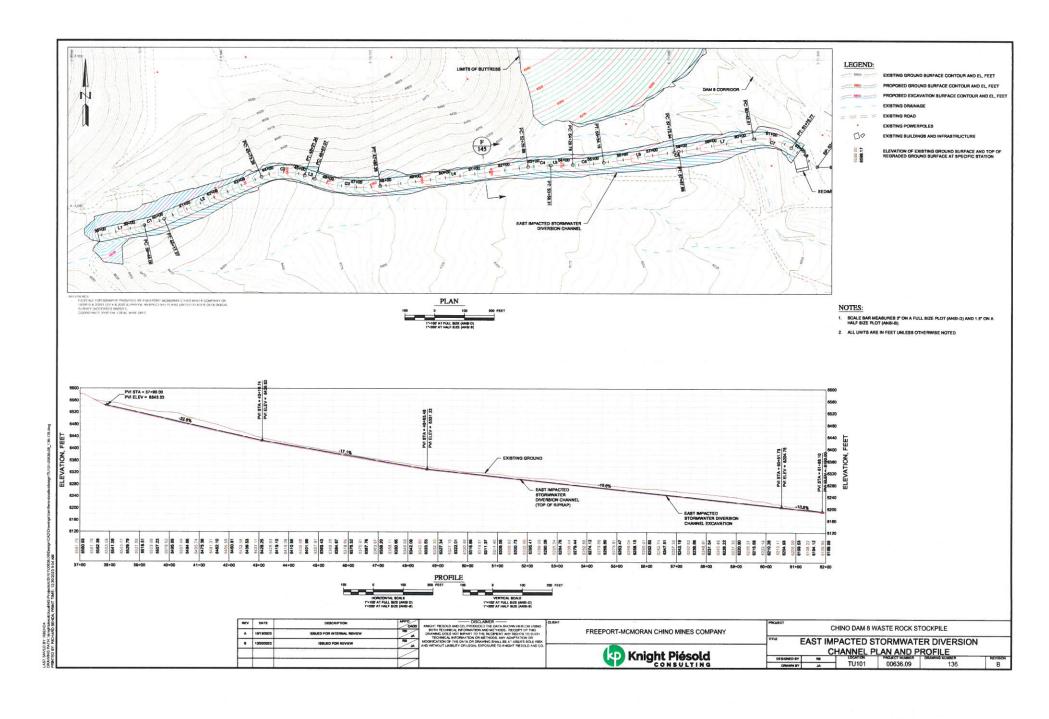
Knight Piésold

CHINO DAM 8 WASTE ROCK STOCKPILE

WEST IMPACTED STORMWATER DIVERSION CHANNEL

HORIZONTAL CONTROL DATA
LICOXYON PROJECT NUMBER DRAWNING NUMBER 134





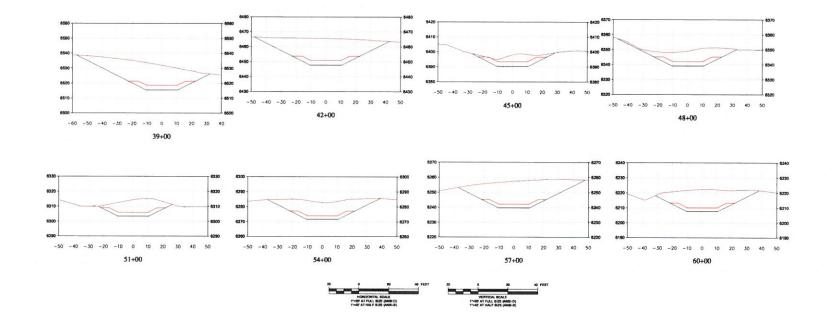
ID	STATION	NORTHING	EASTING	RADIUS
L1	37+84.91 39+48.06	-7092 94 -7057 02	9078.80 9235.78	
C1	39+48.06 40+17.37	-7057.02 -7035.48	9235.78 9301.52	366.1
L2	40+17.37 43+73.28	-7035.48 -6893.21	9301.52 9827.73	
CZ	43+73.26 45+21.24	-8893.21 -6688.37	9627.73 9772.14	195.9
L3	45+21.24 45+57.07	-6888.37 -6900.47	9772.14 9805.87	
СЗ	45+57.07 47+80.26	-8900.47 -8924.06	9805.87 10025.70	470.1
и	47+80.26 52+79.58	-6924.06 -6859.07	10025.70 10520.88	
C4	52+79.68 53+58.31	-6859.07 -6853.44	10520 88 10597.26	671.9
L5	53+58.31 54+29.76	-6853.44 -6852.24	10597.26 10670.70	
CS	54+29.76 55+34.19	-6852.24 -6843.77	10670.70 10774.71	806.6
LS	55+34.19 57+73.94	-6843.77 -6808.91	10774.71 11011.92	
C8	57+73.94 57+87.86	-8808.91 -6806.73	11011.92 11025.67	612.2
L7	57+87.88 60+42.51	-6806.73 -6763.96	11025.67 11276.70	
C7	60+42.51 61+75.77	-8783.98 -8793.63	11276.70 11403.01	186.9
LB	61+75.77 62+63.82	-8793.63 -8857.27	11403.01 11490.34	

REV	DATE	DESCRIPTION	CADO
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FREEPORT-MCMORAN CHINO MINES COMPANY

Knight Piésold

CHINO DAM 8 WASTE ROCK STOCKPILE



LEGEND:

EXISTING GROUND BURFACE PROFILE
DIVERSION CHANNEL EXCAVATION SURFACE PROFILE
TOP OF RIPRAP SURFACE PROFILE

NOTES:

- SCALE BAR MEASURES 3" ON A FULL SIZE PLOT (ANSI-D) AND 1.5" ON A HALF SIZE PLOT (ANSI-B).
- 2. ALL UNITS ARE IN FEET UNLESS OTHERWISE NOTED.
- ALL UNSUITABLE MATERIAL ENCOUNTERED DURING CONSTRUCTION MUST BE REMOVED AND REPLACED WITH COMPACTED RANDOM FILL AS REQUIRED BY THE ENGINEER.
- ALL FILL SHALL BE PLACED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.

REV	DATE	DESCRIPTION	CADO
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	180000023	ISSUED FOR REVIEW	78 A

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FREEPORT-MCMORAN CHINO MINES COMPANY

Knight Piésold
CONSULTING

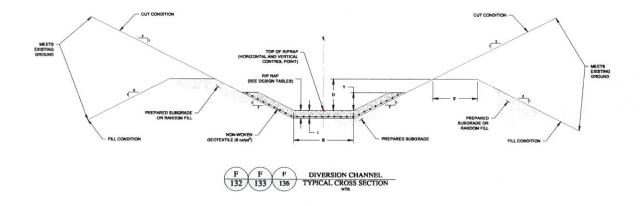
CHINO DAM 8 WASTE ROCK STOCKPILE

EAST IMPACTED STORMWATER DIVERSION
CHANNEL PLAN AND PROFILE

CHANNEL PLAN AND PROFILE

DESCRIPTION AS TOURS PROJECT NAMES PROJECT NAMES NAMED NAM

LAST SAVED BY: RBENDA DRAWING DRY H Langitubinski krualik Projects USH (10 1005.36, 09/Design CAD/Drawings Gamillers-detailedda Drawing Drawings Campana, and an american service and a



N PW PW PW PW PW PW PW	D _m = 9" RIPRAP	EXISTING GROUND
PREPARED SUBGRADE -		
		NON-WOVEN

(7)	RIPRAP CUTOFF TRENCH
133	TYPICAL DETAIL
	NTS

STATIONING	BOTTOM WIDTH B (R)	FLOW DEPTH Y (ft)	MINIMUM CHANNEL DEPTH D (R)	RIPRAP D50 (In)	RIPRAP THICKNESS t (in)
00+00 TO 11+93	12	2.3	3.3		18
11+93 TO 11+98		TRANSITION		9	18
11+98 TO 13+87	12	2.0	3.0	0	18
13+67 TO 13+72		TRANSITION		12	24
13+72 TO 15+06	12	1.6	2.6	12	24
15+06 TO 15+11		TRANSITION	ė.	12	24
15+11 TO 15+69	12	1.7	2.7	12	24
15+69 TO 15+74		TRANSITION		12	24
15+74 TO 18+06	12	1.8	2.8	12	24
18+06 TO 18+11		TRANSITION		12	24
18+11 TO 18+91	12	1.6	2.6	12	24
18+91 TO 18+96	TRANSITION		12	24	
18+96 TO 23+31	12	1.7	2.7	12	24
23+31 TO 23+38		TRANSITION			24
23+36 TO 26+96	12	1.8	2.8	12	24
28+95 TO 27+00		TRANSITION		12	24
27+00 TO 31+01	12	2.6	3.6	0	18
31+01 TO 31+06		TRANSITION		18	36
31+06 TO 32+94	12	2.1	3.1	18	36
32+94 TO 32+99		TRANSITION		16	36
32+99 TO 45+03	12	3.0	4.0	9	18
46+03 TO 46+08		TRANSITION		9	16
46+08 TO 49+39	12	2.2	3.2	9	18
49+39 TO 49+44		TRANSITION		12	24
49+44 TO 51+00	12	1.6	2.6	12	24
51+00 TO 51+06		TRANSITION		12	24
51+05 TO 52+90	12	3.0	4.0	9	18

STATIONING	BOTTOM WIDTH B (R)	FLOW DEPTH Y (R)	MINIMUM CHANNEL DEPTH D (R)	RIPRAP D50 (in)	RIPRAP THICKNESS t (in)
37+90 TO 43+08	20	1.8	2.8	18	36
43+06 TO 43+11		TRANSITION			36
43+11 TO 48+55	20	1.9	2.9	18	36
48+55 TO 48+80		TRANSITION		18	38
48+60 TO 61+77	20	2	3.0	15	30
81+77 TO 51+82		TRANSITION		15	30
61+62 TO 62+04	20	2	3.0	18	36
62+04 TO 62+09		TRANSITION		18	36
52+09 TO 52+29	20	2.3	3.3	9	18

NOTES:

1. ALL UNITS ARE IN FEET UNLESS OTHERWISE NOTED.

EV	DATE	DESCRIPTION	APPD GADO	NIGHT PESKLD AND CO, PRODUCE THE DATA SHO BOTH TECHNICAL PROPORTION AND METHODS. I DRAWING DOES NOT IMPART TO THE RECIPIENT AN TECHNICAL INFORMATION OF RETHODS, ANY AL MODERCATION OF THE DATA OR DRAWING SHALL BE AND WITHOUT LIMBILITY OR EGAL EMPORISE TO KING
A	10/13/2023	ISSUED FOR INTERNAL REVIEW	19/4	
•	120202023	ISSUED FOR REVIEW	ME A	
	501 500			

FREEPORT-MCMORAN CHINO MINES COMPANY

Knight Piésold
CONSULTING

2 PATM: Nangtraiseold bounds Projects US10100636.09/Design CAD/bravings/damburs-dotaileoldesign/TU101-00639 pv: projects by projects and make the common on the