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PRELIMINARY
NOT FOR CONSTRUCTION

EQUINOXGOLD
CASTLE MOUNTAIN MINE

DO NOT SCALE 11x17 DRAWINGS

REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

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NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

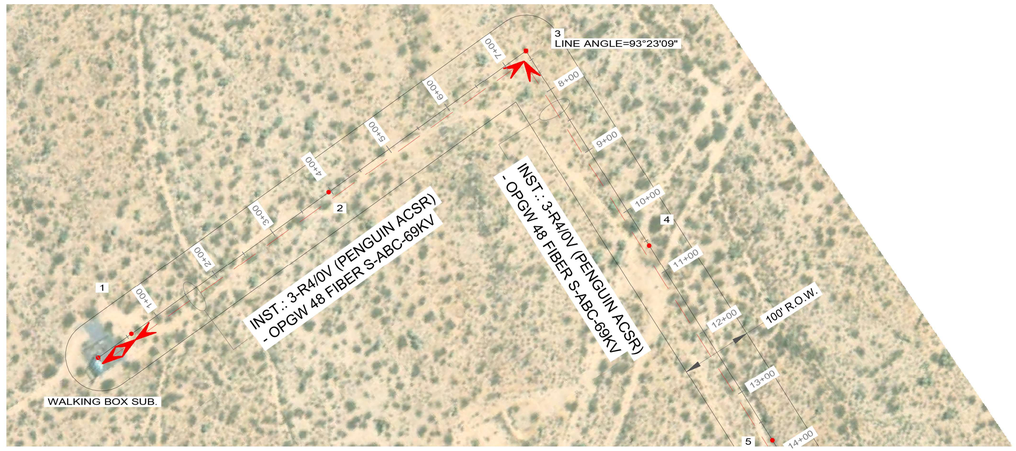
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE
WALKING BOX SUB -
CASTLE MOUNTAIN MINE
69KV

PROJECT NO. 150907
DWG NO. 150907-CVR-001
REV NO.
DATE 06-16-2023

File: Z:\Clients\ENR\EQUINOXGO\150907_CMH\Utility\PE\2_Design\Lines\Transmission\PLS-CADD\Attachments\Castle Mountain TB.lst LAST UPDATE:6/7/2023 3:47 PM BY: HDMIRANDA

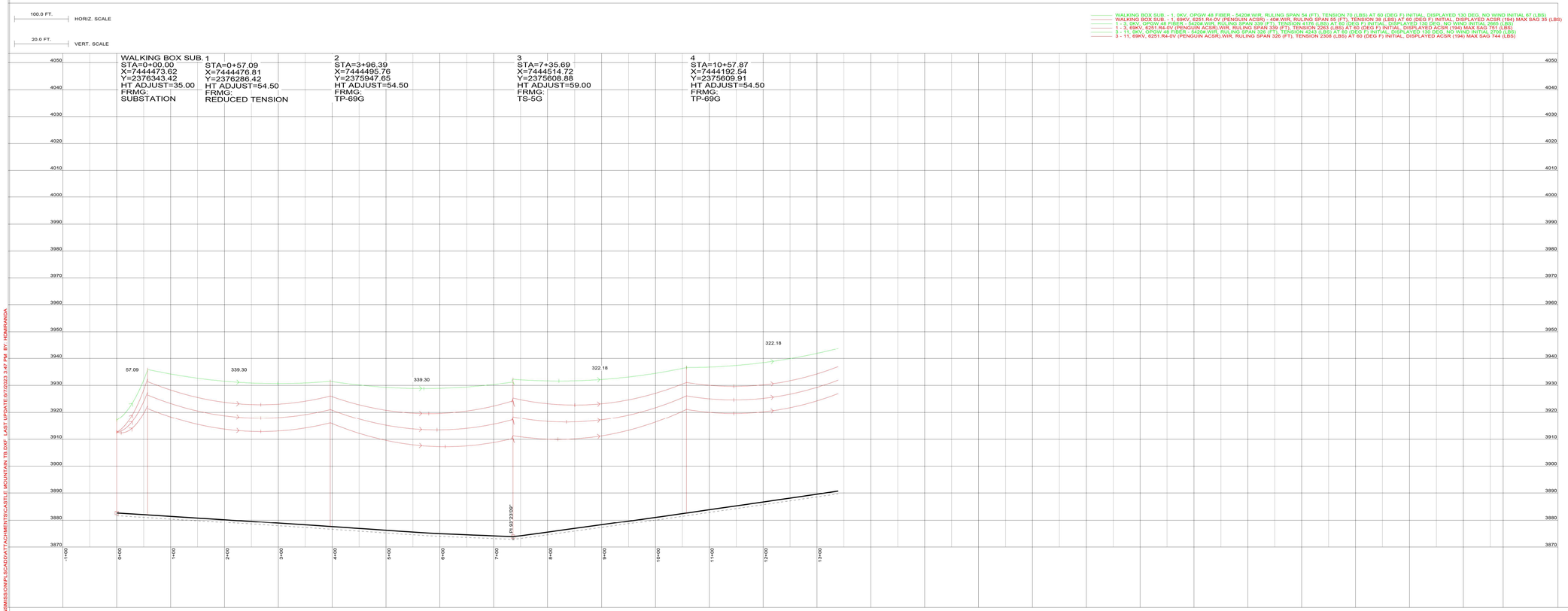
PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

WALKING BOX SUB. - 1, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 54 (FT), TENSION 70 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 67 (LBS)
WALKING BOX SUB. - 1, 69KV, 6251.R4-0V (PENGUIN ACSR) - 404.WIR, RULING SPAN 55 (FT), TENSION 38 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 35 (LBS)
1 - 3, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 330 (FT), TENSION 4176 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2955 (LBS)
1 - 3, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 339 (FT), TENSION 2263 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 751 (LBS)
3 - 4, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 322 (FT), TENSION 2308 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 744 (LBS)
3 - 11, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 326 (FT), TENSION 2308 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 744 (LBS)



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE:
10102_IVANPAH_POWERLINE_ROW.

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CASTLE MOUNTAIN MINE

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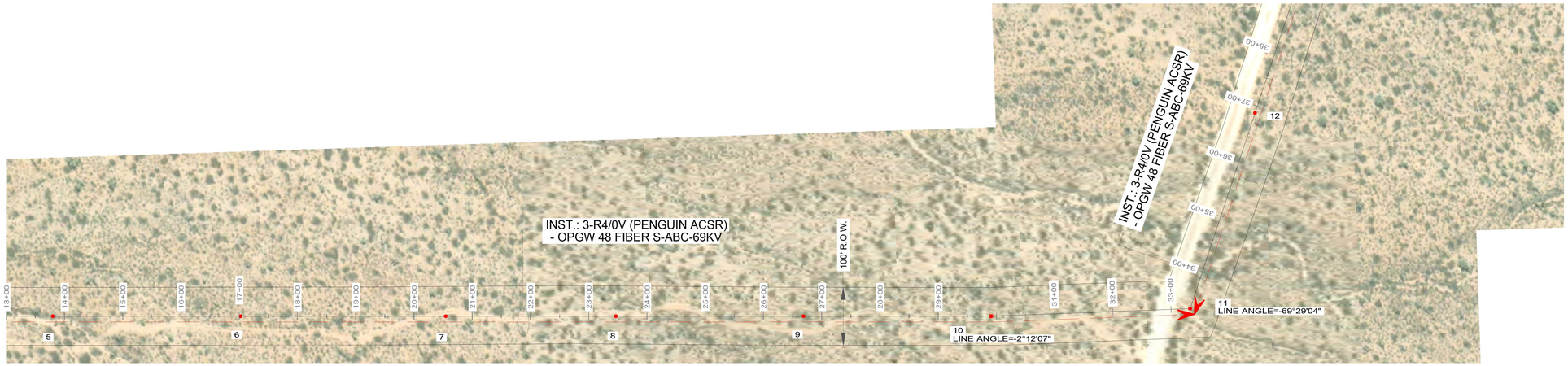
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 001
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUFILTYO\EQ_DESIGN\ELECTRANSMISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN_TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING

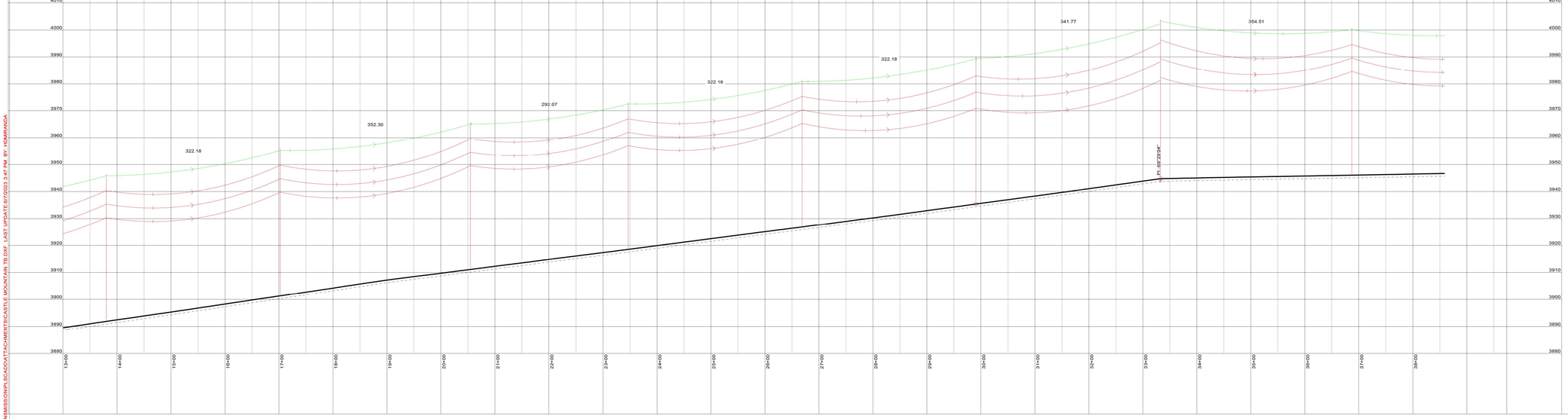


100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

3 - 11, 0KV, OPGW 48 FIBER - 5420ft WIR, RULING SPAN 326 (FT), TENSION 4243 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2700 (LBS)
3 - 11, 69KV, 6251 R4-0V (PENGUIN ACSR) WIR, RULING SPAN 326 (FT), TENSION 2308 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 744 (LBS)
11 - 26, 0KV, OPGW 48 FIBER - 5420ft WIR, RULING SPAN 354 (FT), TENSION 4096 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 3024 (LBS)
11 - 26, 69KV, 6251 R4-0V (PENGUIN ACSR) WIR, RULING SPAN 355 (FT), TENSION 2207 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 757 (LBS)

5	6	7	8	9	10	11	12
STA=13+80.06 X=7443870.35 Y=2375610.94 HT ADJUST=54.50 FRMG: TP-69G	STA=17+02.24 X=7443548.17 Y=2375611.97 HT ADJUST=54.50 FRMG: TP-69G	STA=20+54.54 X=7443195.88 Y=2375613.10 HT ADJUST=54.50 FRMG: TP-69G	STA=23+46.61 X=7442903.81 Y=2375614.03 HT ADJUST=54.50 FRMG: TP-69G	STA=26+68.80 X=7442581.62 Y=2375615.06 HT ADJUST=54.50 FRMG: TP-69G	STA=29+90.98 X=7442259.44 Y=2375616.09 HT ADJUST=54.50 FRMG: TP-69GB	STA=33+32.75 X=7441917.88 Y=2375604.05 HT ADJUST=59.00 FRMG: TS-5G	STA=36+87.26 X=7441805.41 Y=2375267.85 HT ADJUST=54.50 FRMG: TP-69G



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

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10102_IVANPAH_POWERLINE_ROW.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

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BURNS McDONNELL

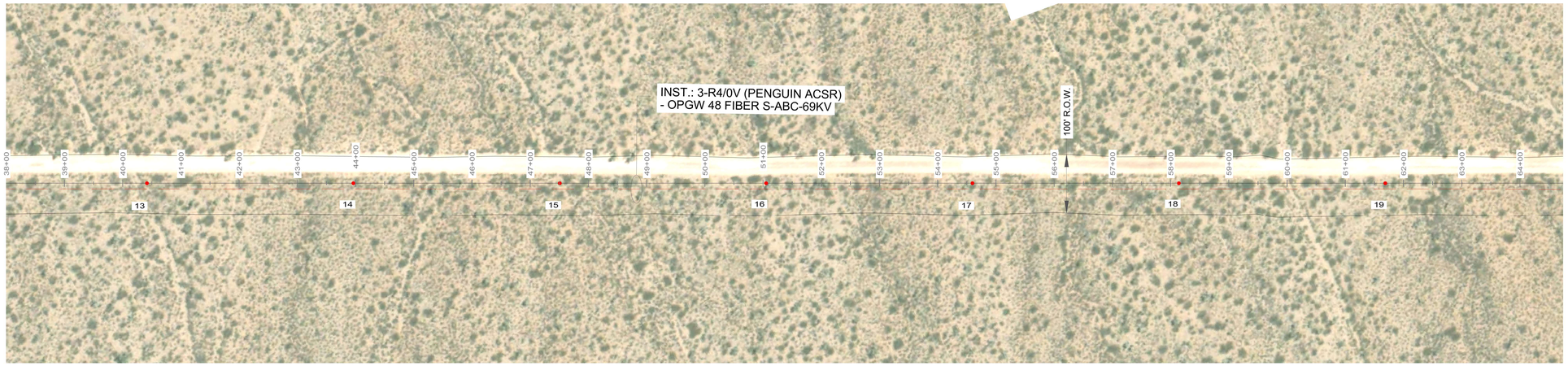
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 002
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\ENRG\EQUINOXGOLD\150907_CMNTUFLTY\DEV_DESIGN\ELECTRAN\MISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF LAST UPDATE 6/7/2023 3:47 PM BY: HDMIRANDA

PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

11 - 26, 9KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 354 (FT), TENSION 4096 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2624 (LBS)
11 - 26, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 355 (FT), TENSION 2207 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 757 (LBS)

13
STA=40+41.77
X=7441692.94
Y=2374931.66
HT ADJUST=54.50
FRMG.
TP-69G

14
STA=43+96.28
X=7441580.48
Y=2374595.47
HT ADJUST=54.50
FRMG.
TP-69G

15
STA=47+50.78
X=7441468.01
Y=2374259.27
HT ADJUST=54.50
FRMG.
TP-69G

16
STA=51+05.29
X=7441355.54
Y=2373923.08
HT ADJUST=54.50
FRMG.
TP-69G

17
STA=54+59.80
X=7441243.07
Y=2373586.88
HT ADJUST=54.50
FRMG.
TP-69G

18
STA=58+14.31
X=7441130.60
Y=2373250.69
HT ADJUST=54.50
FRMG.
TP-69G

19
STA=61+68.82
X=7441018.14
Y=2372914.49
HT ADJUST=54.50
FRMG.
TP-69G

4120 4110 4100 4090 4080 4070 4060 4050 4040 4030 4020 4010 4000 3990 3980 3970 3960 3950 3940

354.51

38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00 63+00 64+00

LINE / SYMBOLS LEGEND

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- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

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CASTLE MOUNTAIN MINE

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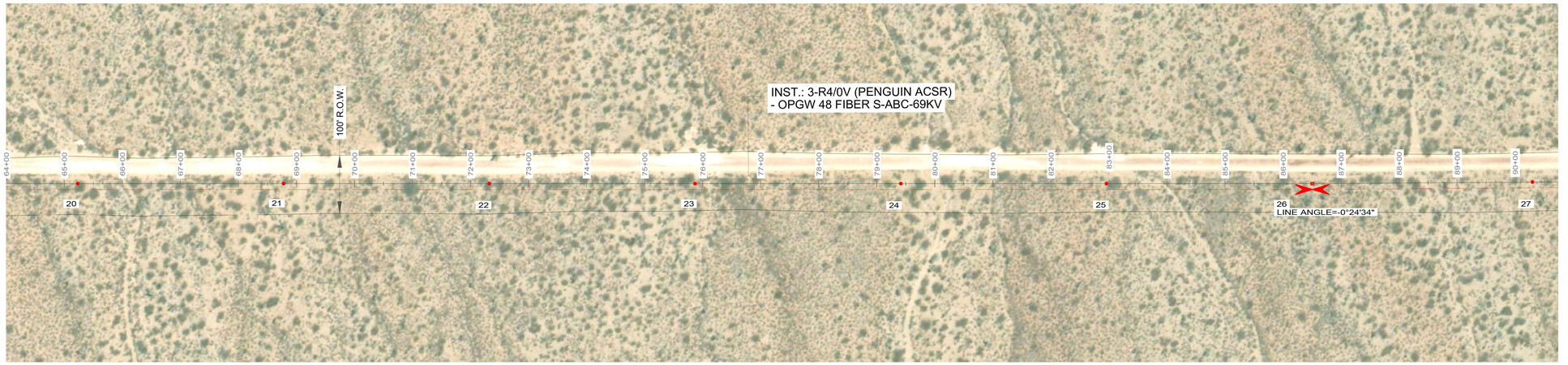
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 003
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEGQUINOXGOLD\150907_CMNTUFILTYO\EQ_DESIGN\ELECTRAN\MISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE:8/7/2023 3:47 PM, BY: HDMIRANDA

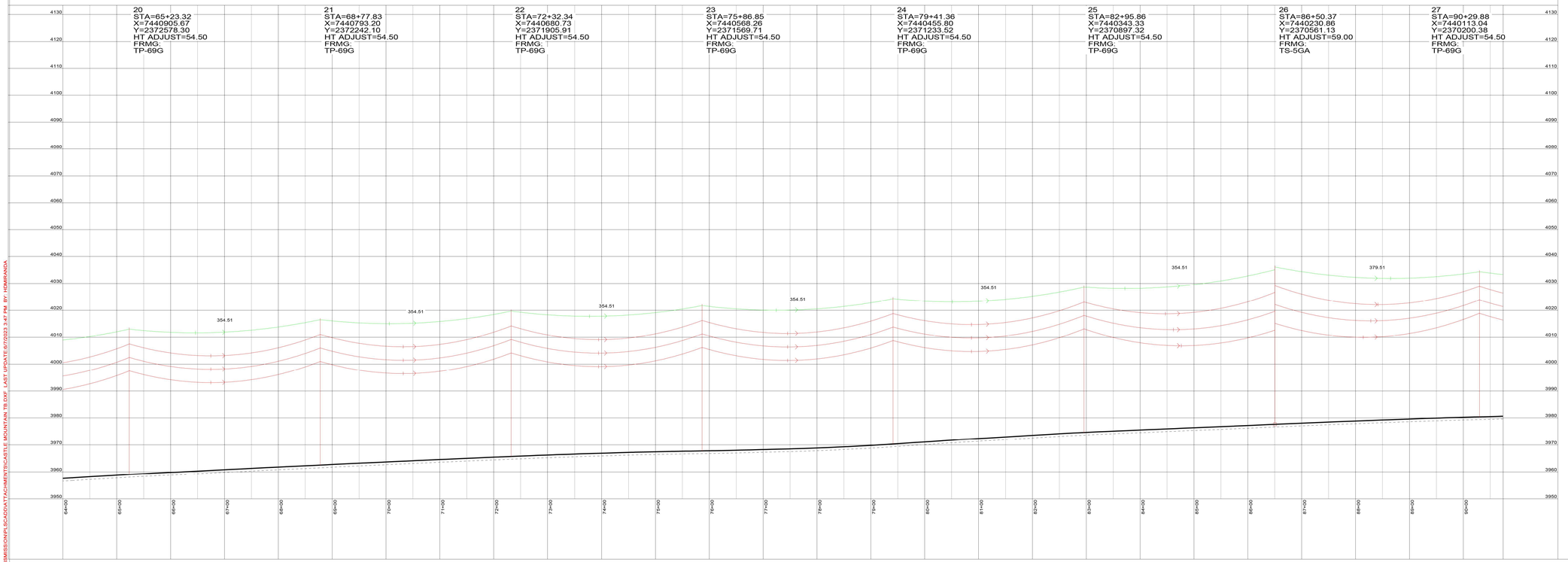
PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

11 - 26, 9KV, OPGW 48 FIBER - 5420# WIR, RULING SPAN 354 (FT), TENSION 4096 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2624 (LBS)
11 - 26, 69KV, 6251.R4-0V (PENGUIN ACSR) WIR, RULING SPAN 355 (FT), TENSION 2207 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 757 (LBS)
26 - 41, 9KV, OPGW 48 FIBER - 5420# WIR, RULING SPAN 361 (FT), TENSION 4051 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2595 (LBS)
26 - 41, 69KV, 6251.R4-0V (PENGUIN ACSR) WIR, RULING SPAN 361 (FT), TENSION 2172 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 758 (LBS)



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

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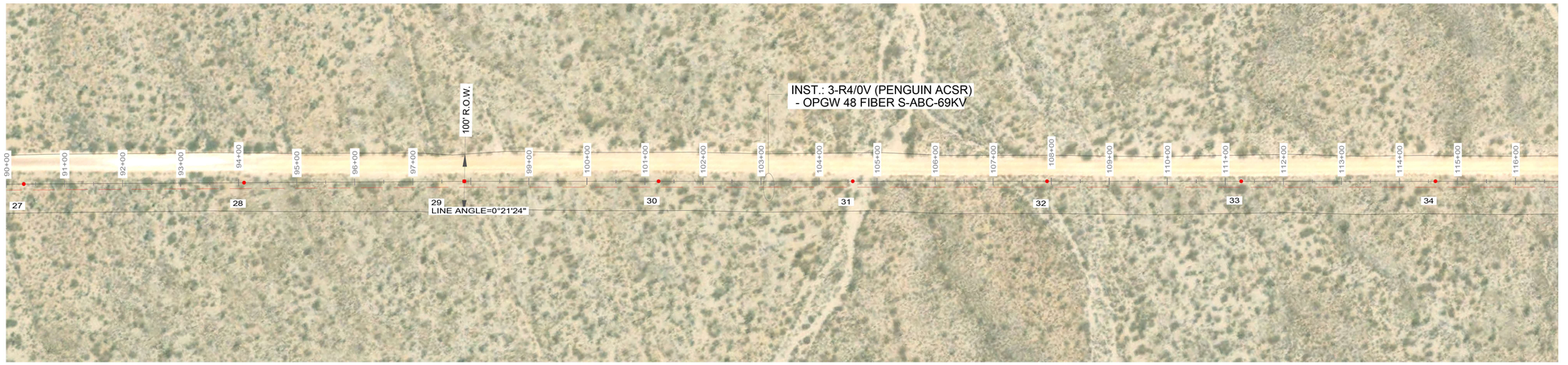
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 004
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUFILTYO\EQ_DESIGN\ELECTRAN\MISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF LAST UPDATE:6/7/2023 3:47 PM BY: HDMIRANDA

PLS-CADD DRAWING





100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

26 - 41, 9KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 361 (FT), TENSION 4051 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2595 (LBS)
26 - 41, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 361 (FT), TENSION 2172 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 758 (LBS)

27
STA=90+29.88
X=7440113.04
Y=2370200.38
HT ADJUST=54.50
FRMG.
TP-69G

28
STA=94+09.39
X=7439995.21
Y=2369839.62
HT ADJUST=54.50
FRMG.
TP-69G

29
STA=97+88.89
X=7439877.39
Y=2369478.87
HT ADJUST=54.50
FRMG.
TP-69G

30
STA=101+23.56
X=7439771.51
Y=2369161.40
HT ADJUST=54.50
FRMG.
TP-69G

31
STA=104+58.22
X=7439665.63
Y=2368843.92
HT ADJUST=54.50
FRMG.
TP-69G

32
STA=107+92.89
X=7439559.75
Y=2368526.45
HT ADJUST=54.50
FRMG.
TP-69G

33
STA=111+27.55
X=7439453.87
Y=2368208.97
HT ADJUST=54.50
FRMG.
TP-69G

34
STA=114+62.22
X=7439347.99
Y=2367891.50
HT ADJUST=54.50
FRMG.
TP-69G

4160 4150 4140 4130 4120 4110 4100 4090 4080 4070 4060 4050 4040 4030 4020 4010 4000 3990 3980

379.51
379.51
334.66
334.66
334.66
334.67
334.66
334.66

90+00 91+00 92+00 93+00 94+00 95+00 96+00 97+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00 115+00 116+00

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- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

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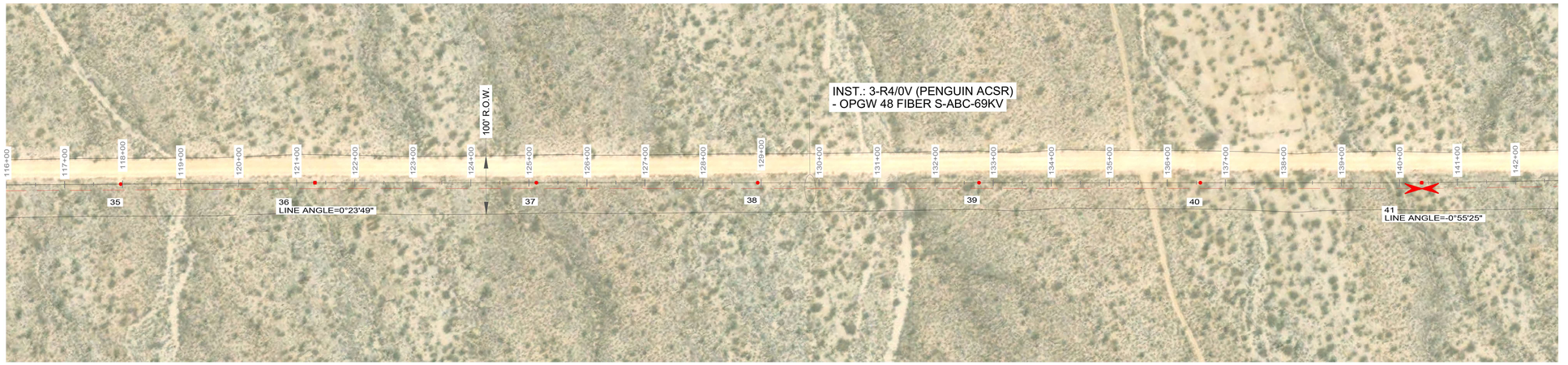
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NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

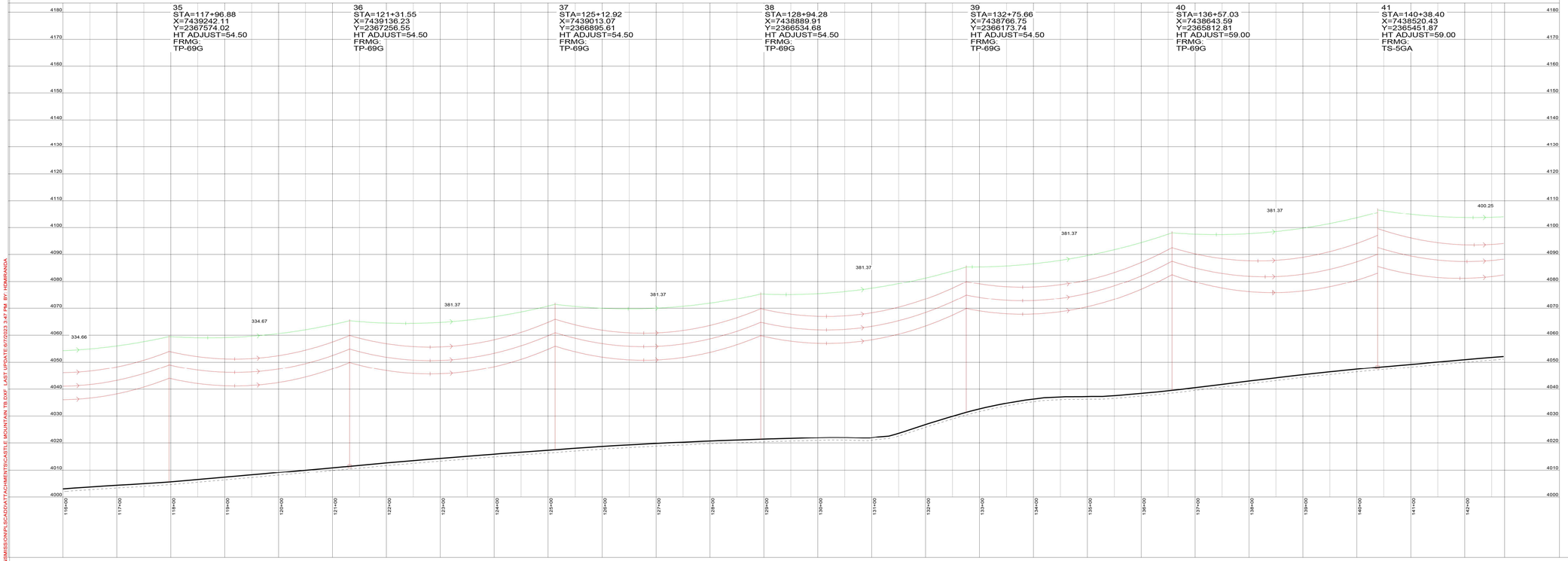
PROJECT NO. 150907
DWG NO. 150907-PNP- 005
REV NO.
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CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 006
REV NO.
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PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

41 - 54, 9KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 385 (FT), TENSION 3922 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG. NO WIND INITIAL 2637 (LBS)
41 - 54, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 385 (FT), TENSION 2082 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 767 (LBS)

42
STA=144+38.65
X=7438397.30
Y=2365071.03
HT ADJUST=54.50
FRMG.
TP-69G

43
STA=148+40.81
X=7438273.57
Y=2364888.37
HT ADJUST=54.50
FRMG.
TP-69G

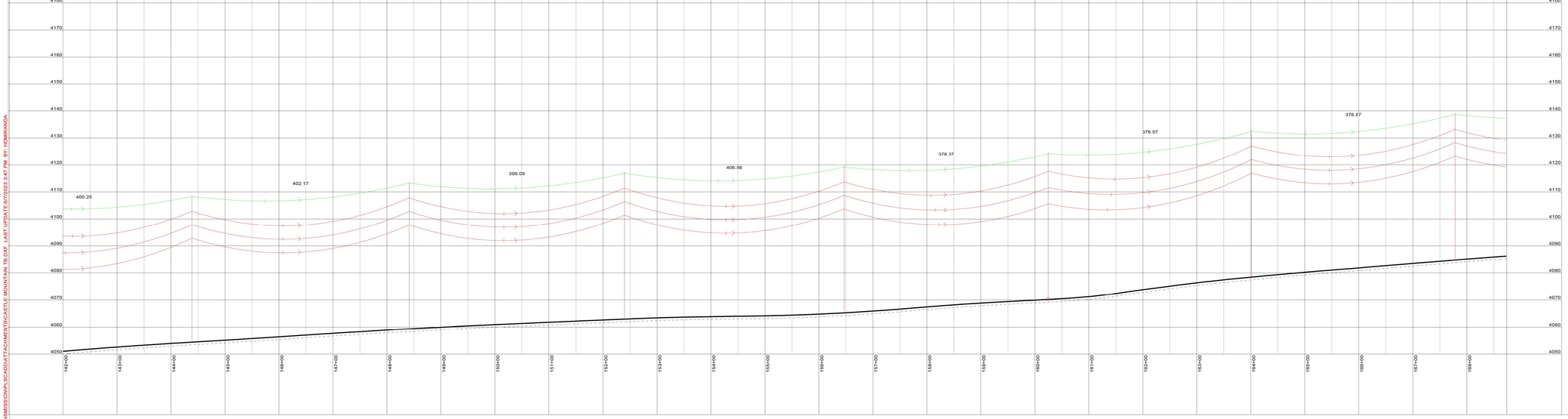
44
STA=152+39.90
X=7438150.80
Y=2364308.64
HT ADJUST=54.50
FRMG.
TP-69G

45
STA=156+46.46
X=7438025.72
Y=2363921.80
HT ADJUST=54.50
FRMG.
TP-69G

46
STA=160+24.82
X=7437909.32
Y=2363561.78
HT ADJUST=54.50
FRMG.
TP-69GB

47
STA=164+01.39
X=7437788.47
Y=2363205.13
HT ADJUST=54.50
FRMG.
TP-69G

48
STA=167+77.96
X=7437667.63
Y=2362848.48
HT ADJUST=54.50
FRMG.
TP-69G



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE:
10102_IVANPAH_POWERLINE_ROW.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

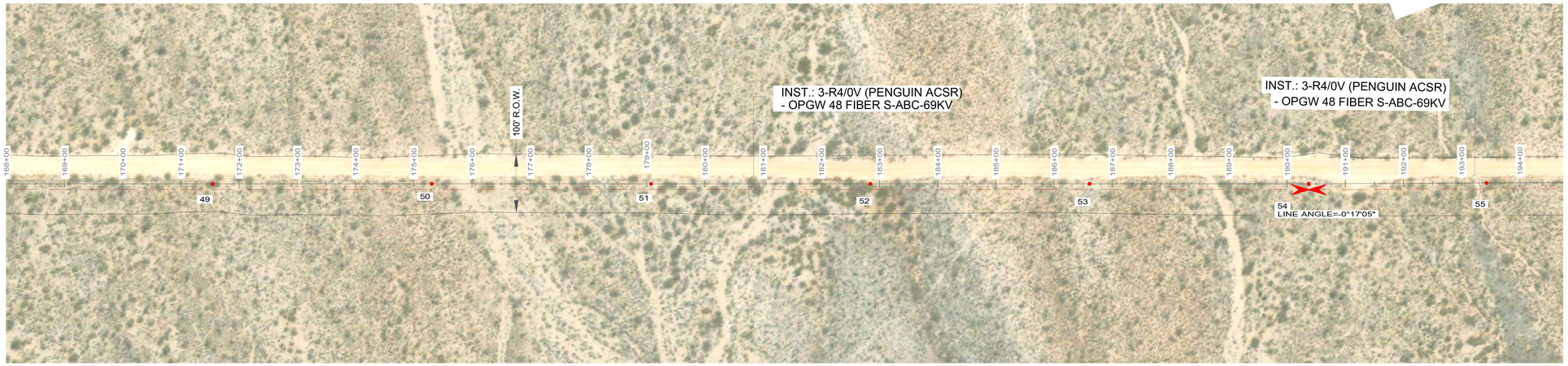
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 007
REV NO.
DATE 06-28-2023

FILE: Z:\CLIENTS\RENR\EQUINOXGOLD\150907_CMNTUFLTY\DEI_DESIGN\ELECTRAN\MISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

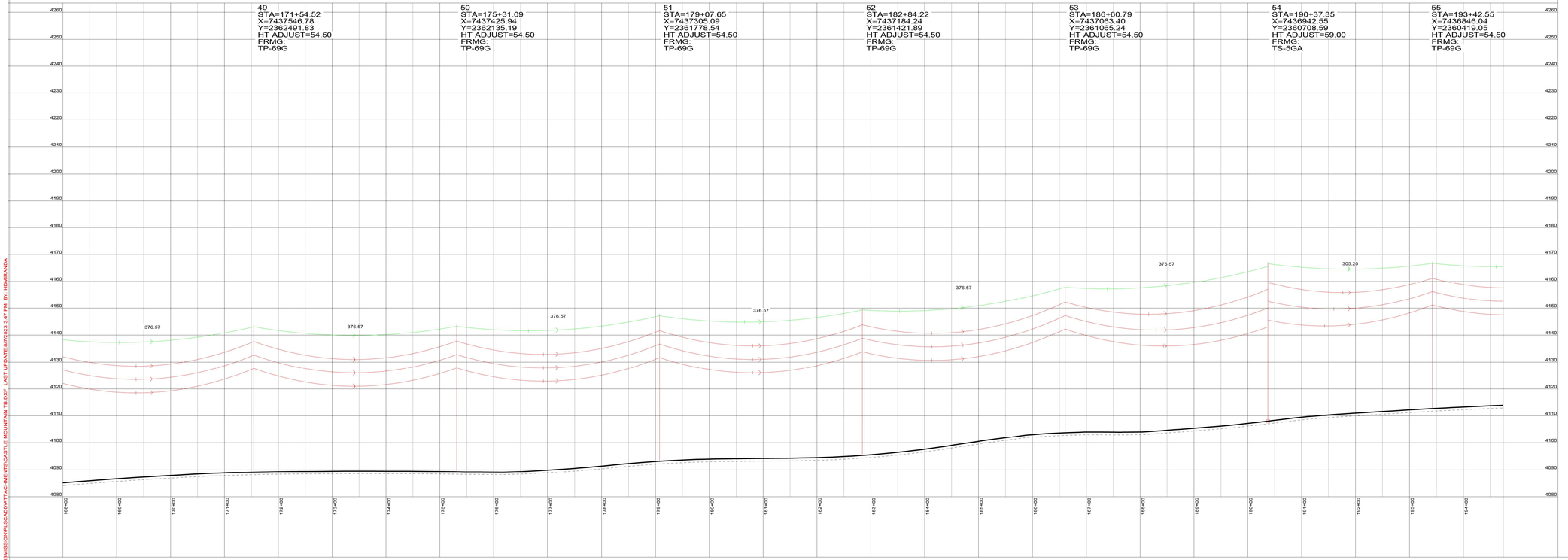
PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

41 - 54, 9KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 385 (FT), TENSION 3922 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2537 (LBS)
41 - 54, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 385 (FT), TENSION 2062 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 767 (LBS)
54 - 70, 9KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 334 (FT), TENSION 4204 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 3077 (LBS)
54 - 70, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 333 (FT), TENSION 2275 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 747 (LBS)



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

		DATE
SCALE:		
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 008
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\ENR\EQUINOXGOLD\150907_CMNTUFILTYO\EQ_DESIGN\ELECTRANMISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN_TB.DXF LAST UPDATE:6/7/2023 3:47 PM BY: HDMIRANDA

PLS-CADD DRAWING

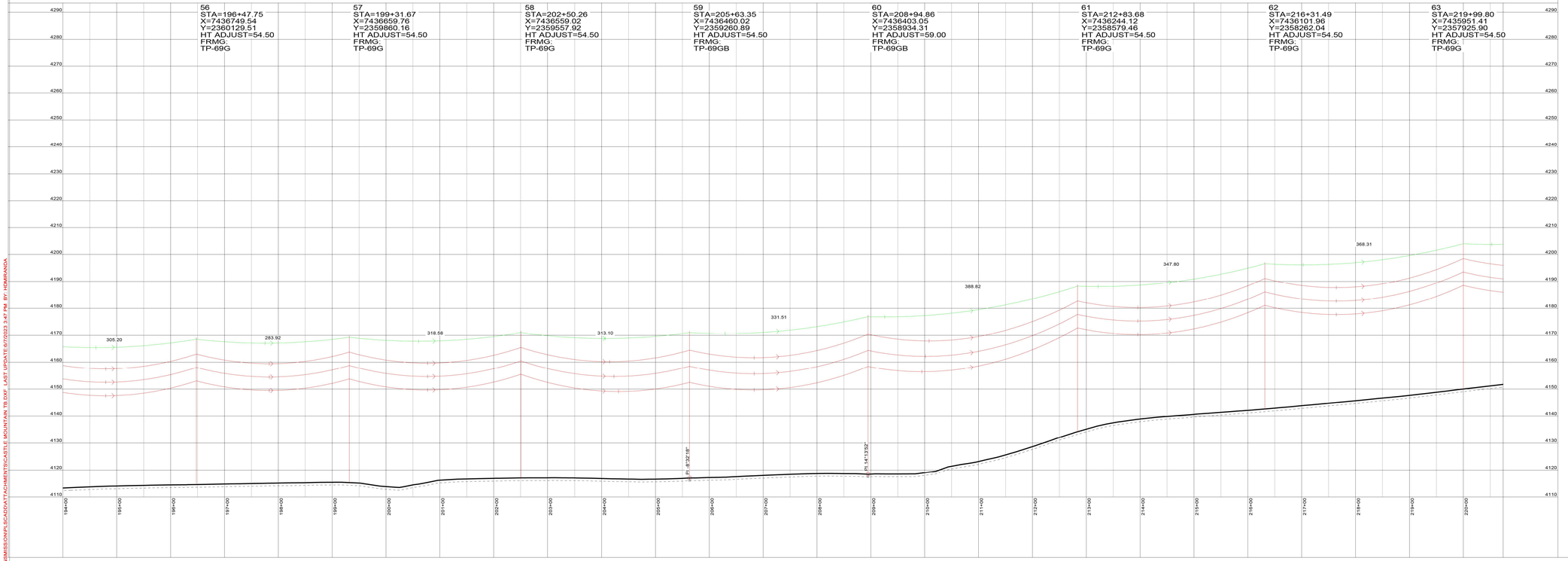


100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

54 - 70, 9KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 334 (FT), TENSION 4204 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2677 (LBS)
54 - 70, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 333 (FT), TENSION 2275 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 747 (LBS)

56	57	58	59	60	61	62	63
STA=196+47.75	STA=199+31.67	STA=202+50.26	STA=205+63.35	STA=208+94.86	STA=212+83.68	STA=216+31.49	STA=219+99.80
X=7436749.54	X=7436659.76	X=7436559.02	X=7436460.02	X=7436403.05	X=7436244.12	X=7436101.96	X=7435951.41
Y=2360129.51	Y=2359860.16	Y=2359557.92	Y=2359260.89	Y=2358934.31	Y=2358579.46	Y=2358262.94	Y=2357925.90
HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50
FRMG.	FRMG.	FRMG.	FRMG.	FRMG.	FRMG.	FRMG.	FRMG.
TP-69G	TP-69G	TP-69G	TP-69GB	TP-69GB	TP-69G	TP-69G	TP-69G



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

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CASTLE MOUNTAIN MINE

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CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

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CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 009
REV NO.
DATE 06-28-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUFLTY\DEI_DESIGN\ELECTRAN\MISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN_TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING

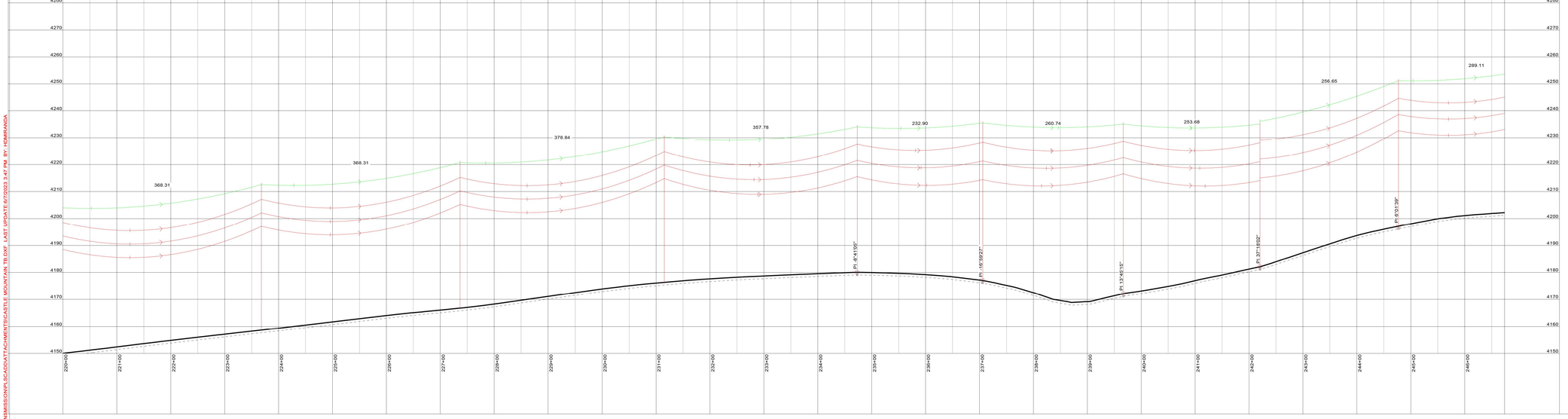


100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

54 - 70, 9KV, OPGW 48 FIBER - 5420ft WIR, RULING SPAN 334 (FT), TENSION 4204 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2677 (LBS)
54 - 70, 69KV, 6251.R4-0V (PENGUIN ACSR) WIR, RULING SPAN 333 (FT), TENSION 2275 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 747 (LBS)
70 - 86, 9KV, OPGW 48 FIBER - 5420ft WIR, RULING SPAN 313 (FT), TENSION 4305 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2734 (LBS)
70 - 86, 69KV, 6251.R4-0V (PENGUIN ACSR) WIR, RULING SPAN 313 (FT), TENSION 2348 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 738 (LBS)

63	64	65	66	67	68	69	70	71
STA=219+99.80	STA=223+68.11	STA=227+36.42	STA=231+15.25	STA=234+73.04	STA=237+05.93	STA=239+66.67	STA=242+20.35	STA=244+77.00
X=7435951.41	X=7435800.86	X=7435650.31	X=7435495.46	X=7435349.22	X=7435287.21	X=7435294.26	X=7435240.63	X=7435045.46
Y=2357925.90	Y=2357589.76	Y=2357253.62	Y=2356907.88	Y=2356581.35	Y=2356356.86	Y=2356096.22	Y=2355848.27	Y=2355681.61
HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=63.50	HT ADJUST=54.50	HT ADJUST=54.50
FRMG: TP-69G	FRMG: TP-69G	FRMG: TP-69G	FRMG: TP-69G	FRMG: TP-69GB	FRMG: TS-4G	FRMG: TP-69GB	FRMG: TS-5G	FRMG: TP-69GB



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

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CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:			DATE
DESIGNED BY	H.D.M.		JUN. 23
DRAWN BY	R.G.A.		JUN. 23
CHECKED BY	F.D.G.		JUN. 23
PROJECT MGR	C.N.M.		JUN. 23
CLIENT APPR.			

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907

DWG NO. 150907-PNP- 0010

REV NO.

DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUTILTY\DEQ_DESIGN\ELECTRANSMISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE:8/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

70 - 86, 9KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 313 (FT), TENSION 4305 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2734 (LBS)
70 - 86, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 313 (FT), TENSION 2348 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 738 (LBS)

72
STA=247+66.11
X=7434807.10
Y=2355517.99
HT ADJUST=54.50
FRMG:
TP-69GB

73
STA=250+41.00
X=7434589.39
Y=2355350.17
HT ADJUST=54.50
FRMG:
TS-4G

74
STA=252+94.05
X=7434442.78
Y=2355143.92
HT ADJUST=59.00
FRMG:
TS-4G

75
STA=256+16.30
X=7434352.40
Y=2354834.60
HT ADJUST=54.50
FRMG:
TP-69G

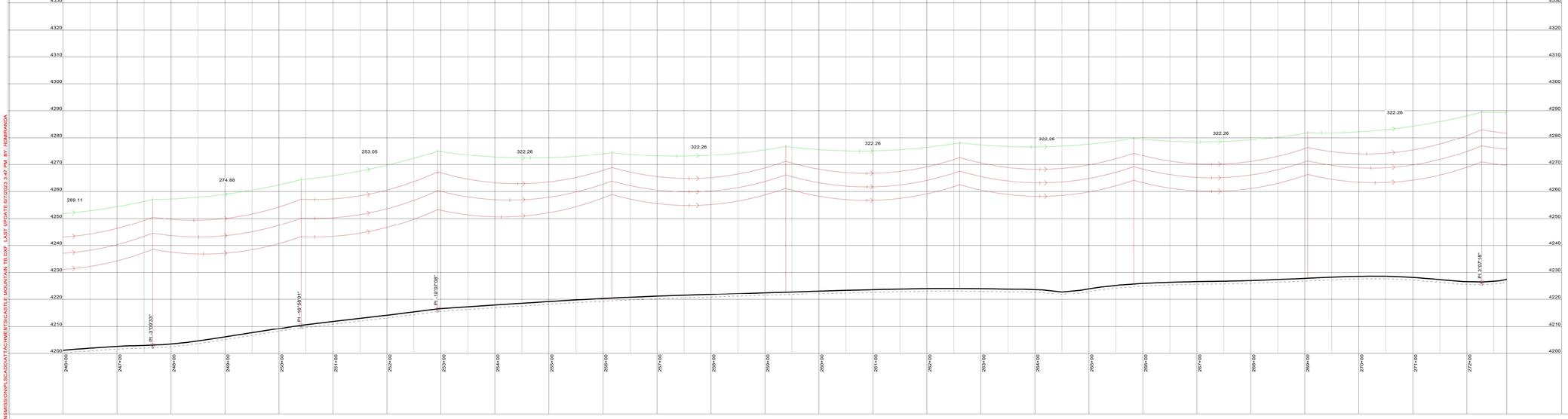
76
STA=259+38.56
X=7434262.02
Y=2354525.28
HT ADJUST=54.50
FRMG:
TP-69G

77
STA=262+60.81
X=7434171.64
Y=2354215.95
HT ADJUST=54.50
FRMG:
TP-69G

78
STA=265+83.07
X=7434081.26
Y=2353906.63
HT ADJUST=54.50
FRMG:
TP-69G

79
STA=269+05.32
X=7433990.88
Y=2353597.31
HT ADJUST=54.50
FRMG:
TP-69G

80
STA=272+27.58
X=7433900.50
Y=2353287.99
HT ADJUST=63.50
FRMG:
TP-69GB



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

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CASTLE MOUNTAIN MINE

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REFERENCES		REFERENCES		REVISIONS						REVISIONS					
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0011
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\ENR\EQUINOXGOLD\150907_CMNTUTILTY\DEV_DESIGN\ELECTRANSMISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING

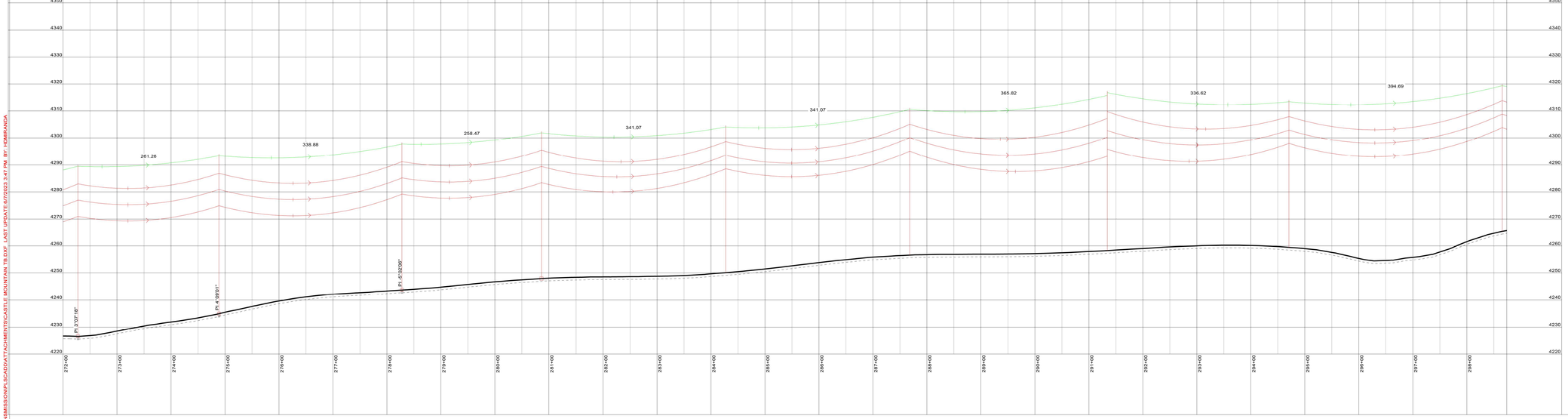


100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

70 - 86, 69KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 313 (FT), TENSION 4305 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2734 (LBS)
70 - 86, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 313 (FT), TENSION 2346 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 738 (LBS)
86 - 102, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 341 (FT), TENSION 4170 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2650 (LBS)
86 - 102, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 341 (FT), TENSION 2253 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 751 (LBS)

80	81	82	83	84	85	86	87	88
STA=272+27.58	STA=274+88.83	STA=278+27.71	STA=280+86.18	STA=284+27.25	STA=287+68.32	STA=291+34.14	STA=294+70.76	STA=298+65.45
X=7433900.50	X=7433813.68	X=7433678.23	X=7433596.11	X=7433500.98	X=7433405.84	X=7433303.81	X=7433209.91	X=7433099.82
Y=2353287.99	Y=2353041.58	Y=2352730.95	Y=2352485.87	Y=2352158.34	Y=2351830.81	Y=2351479.51	Y=2351156.25	Y=2350777.22
HT ADJUST=63.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50
FRMG. TP-69GB	FRMG. TP-69GB	FRMG. TP-69GB	FRMG. TP-69GB	FRMG. TP-69G	FRMG. TP-69G	FRMG. TS-5GA	FRMG. TP-69G	FRMG. TP-69G



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0012
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\ENR\EQUINOXGOLD\150907_CMNTUTILTY\DEI_DESIGN\ELECTRANSMISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF - LAST UPDATE 6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

86 - 102, OKV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 341 (FT), TENSION 4170 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2659 (LBS)
86 - 102, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 341 (FT), TENSION 2253 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 751 (LBS)

88
STA=298+65.45
X=7433099.82
Y=2350777.22
HT ADJUST=54.50
FRMG.
TP-69G

89
STA=302+06.19
X=7433004.78
Y=2350450.01
HT ADJUST=54.50
FRMG.
TP-69G

90
STA=305+08.07
X=7432920.58
Y=2350160.10
HT ADJUST=54.50
FRMG.
TP-69G

91
STA=308+14.73
X=7432835.04
Y=2349865.61
HT ADJUST=54.50
FRMG.
TP-69G

92
STA=311+55.80
X=7432739.91
Y=2349538.08
HT ADJUST=54.50
FRMG.
TP-69G

93
STA=314+96.87
X=7432644.77
Y=2349210.55
HT ADJUST=54.50
FRMG.
TP-69G

94
STA=318+37.94
X=7432549.64
Y=2348883.02
HT ADJUST=54.50
FRMG.
TP-69G

95
STA=321+79.01
X=7432454.51
Y=2348555.48
HT ADJUST=54.50
FRMG.
TP-69G

4440 4430 4420 4410 4400 4390 4380 4370 4360 4350 4340 4330 4320 4310 4300 4290 4280 4270 4260

340.74 301.88 306.66 341.07 341.07 341.07 341.07 341.07

298+00 299+00 300+00 301+00 302+00 303+00 304+00 305+00 306+00 307+00 308+00 309+00 310+00 311+00 312+00 313+00 314+00 315+00 316+00 317+00 318+00 319+00 320+00 321+00 322+00 323+00 324+00

LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

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DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0013
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUTILTY\DEI_DESIGN\ELECTRANSMISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

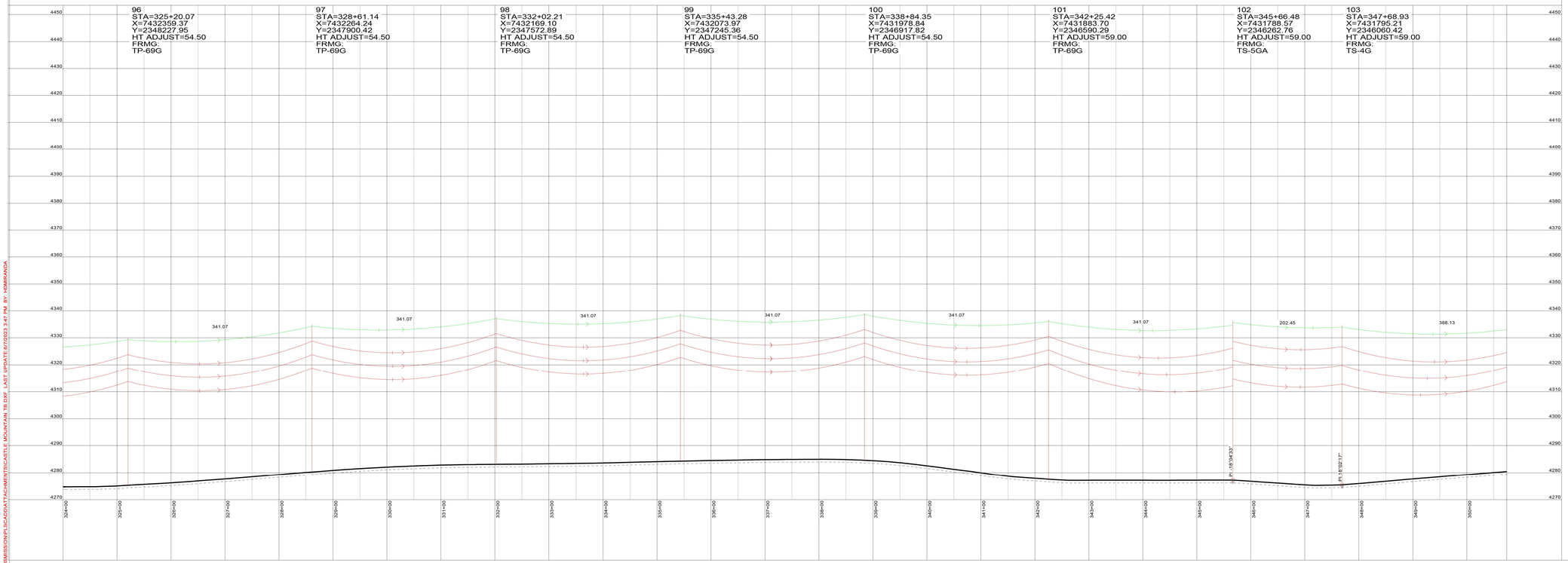
PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

86 - 102, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 341 (FT), TENSION 4170 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2659 (LBS)
86 - 102, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 341 (FT), TENSION 2283 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 751 (LBS)
102 - 119, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 345 (FT), TENSION 4136 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2639 (LBS)
102 - 119, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 345 (FT), TENSION 2225 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 750 (LBS)



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE:
10102_IVANPAH_POWERLINE_ROW.

ELECTRONIC COPY OF FINAL DOCUMENT.
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EQUINOX GOLD
CASTLE MOUNTAIN MINE

DO NOT SCALE 11X17 DRAWINGS

REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
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PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907

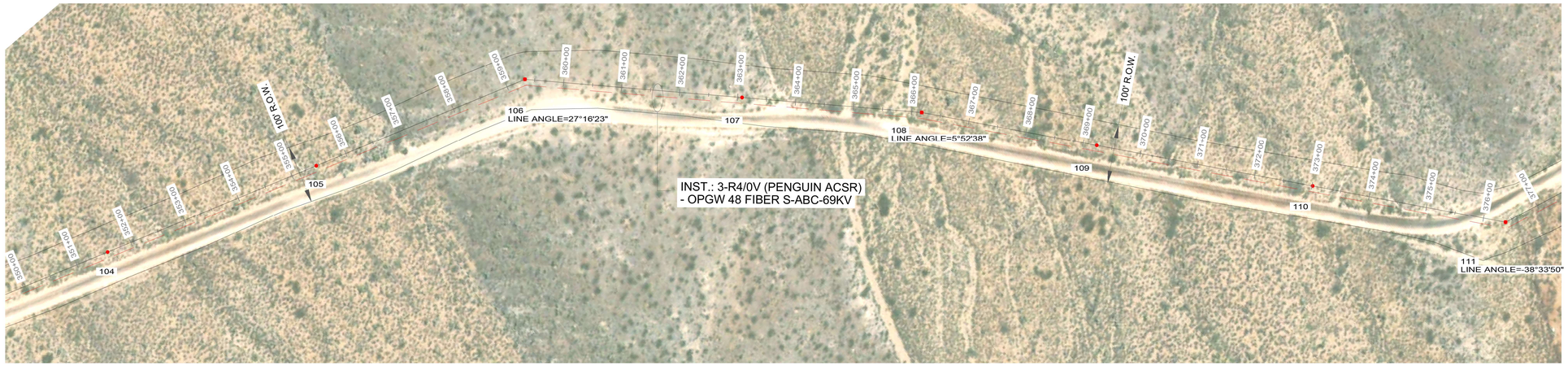
DWG NO. 150907-PNP- 0014

REV NO.

DATE 06-08-2023

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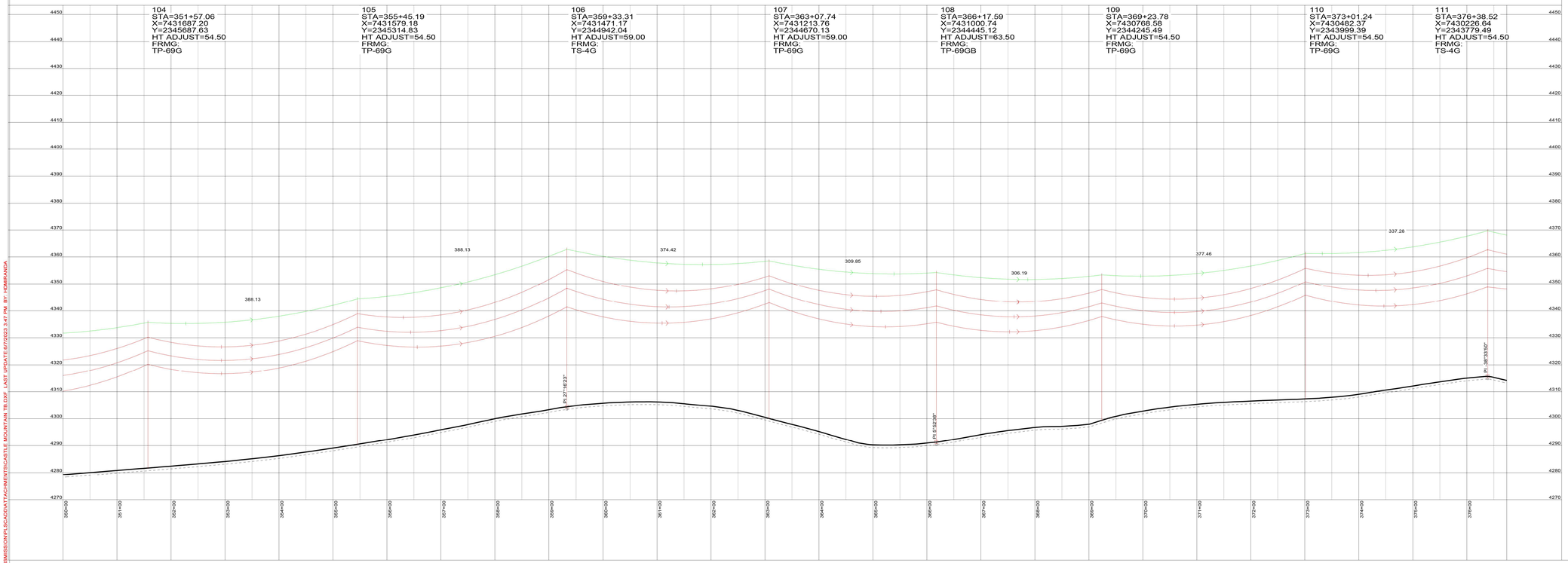
PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

102 - 119, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 345 (FT), TENSION 4136 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2639 (LBS)
102 - 119, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 345 (FT), TENSION 2225 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 750 (LBS)



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
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PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

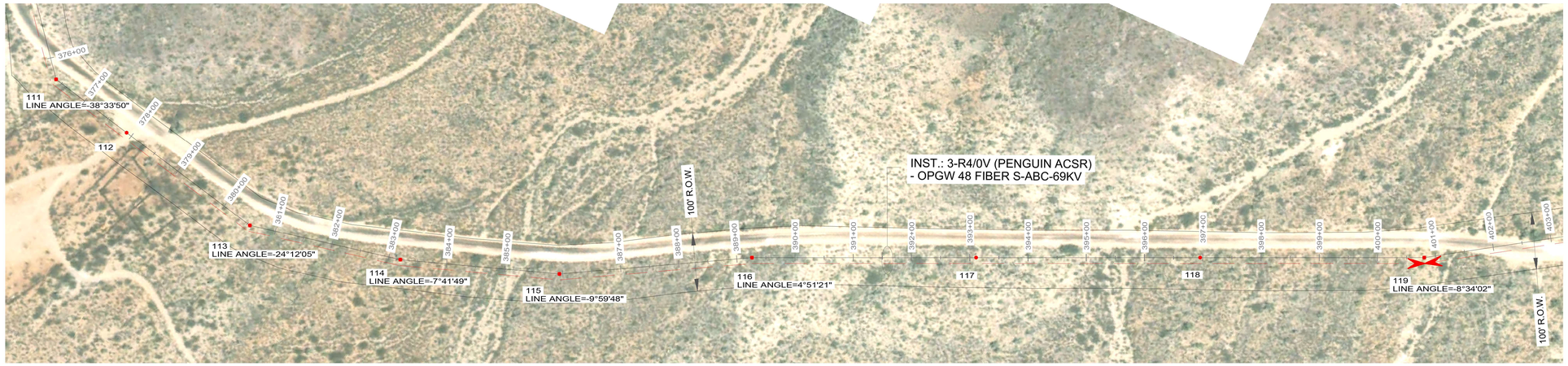
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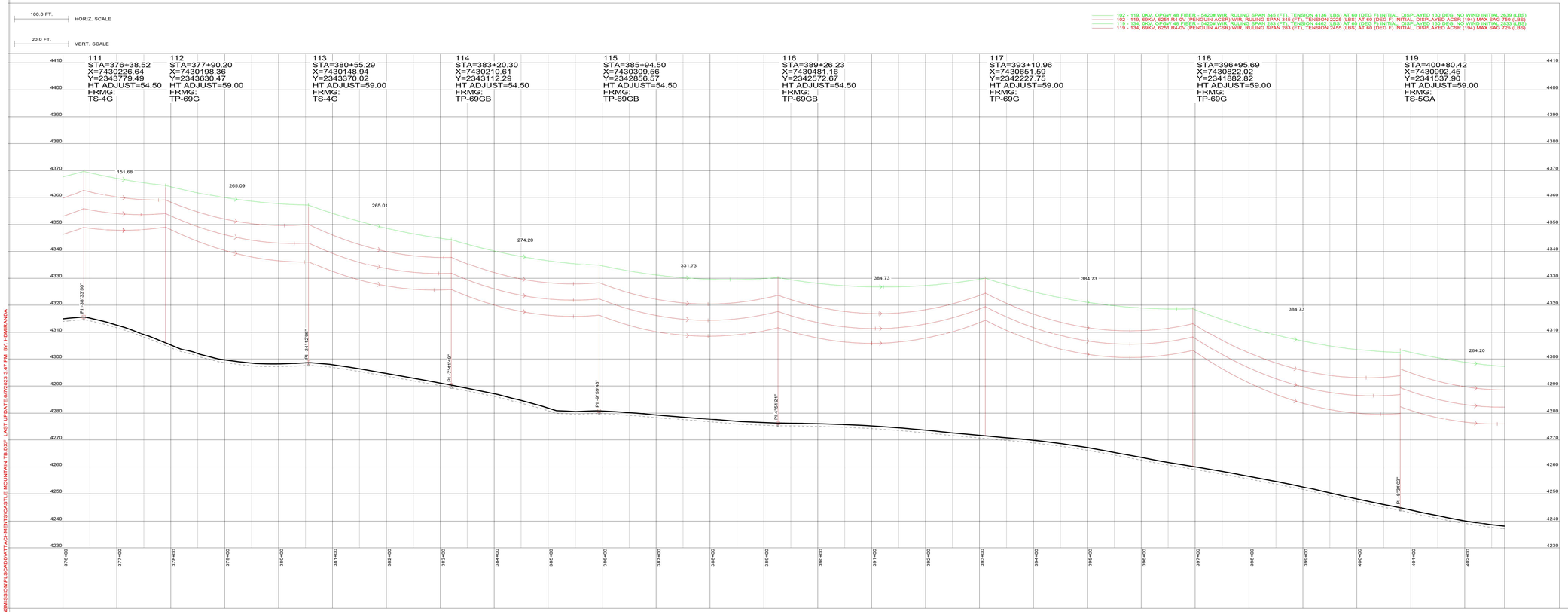
NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0015
REV NO.
DATE
06-28-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUTILTY\DEI_DESIGN\ELECTRANSMISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN_TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING





LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

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DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

		DATE
SCALE:		
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

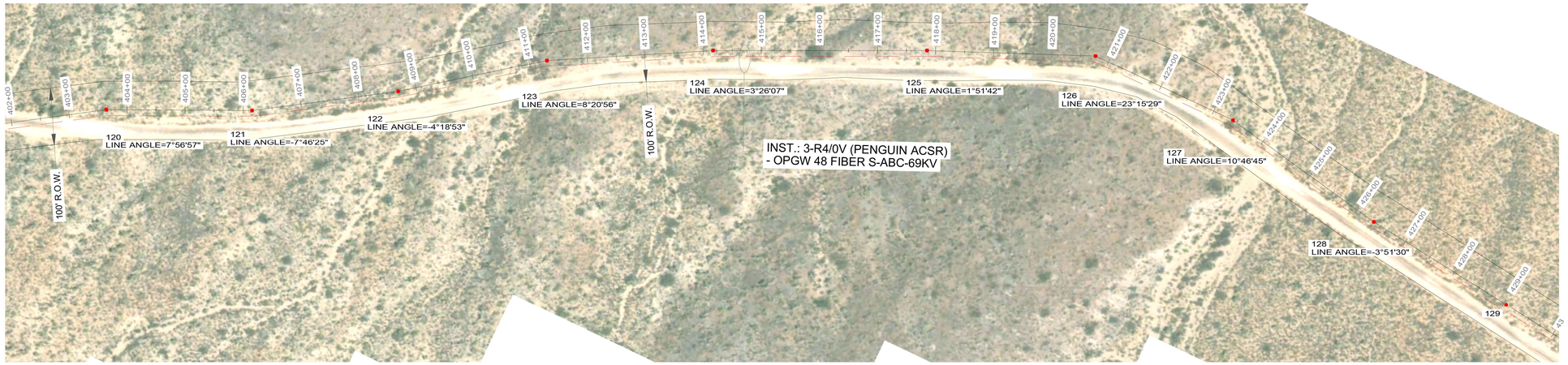
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0016
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENT\BNR\EQUINOXGOLD\150907_CMNTUTIL\TYCE\2_DESIGN\ELEC\TRANSMISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF LAST UPDATE 6/7/2023 3:47 PM BY: HDMIRANDA

PLS-CADD DRAWING

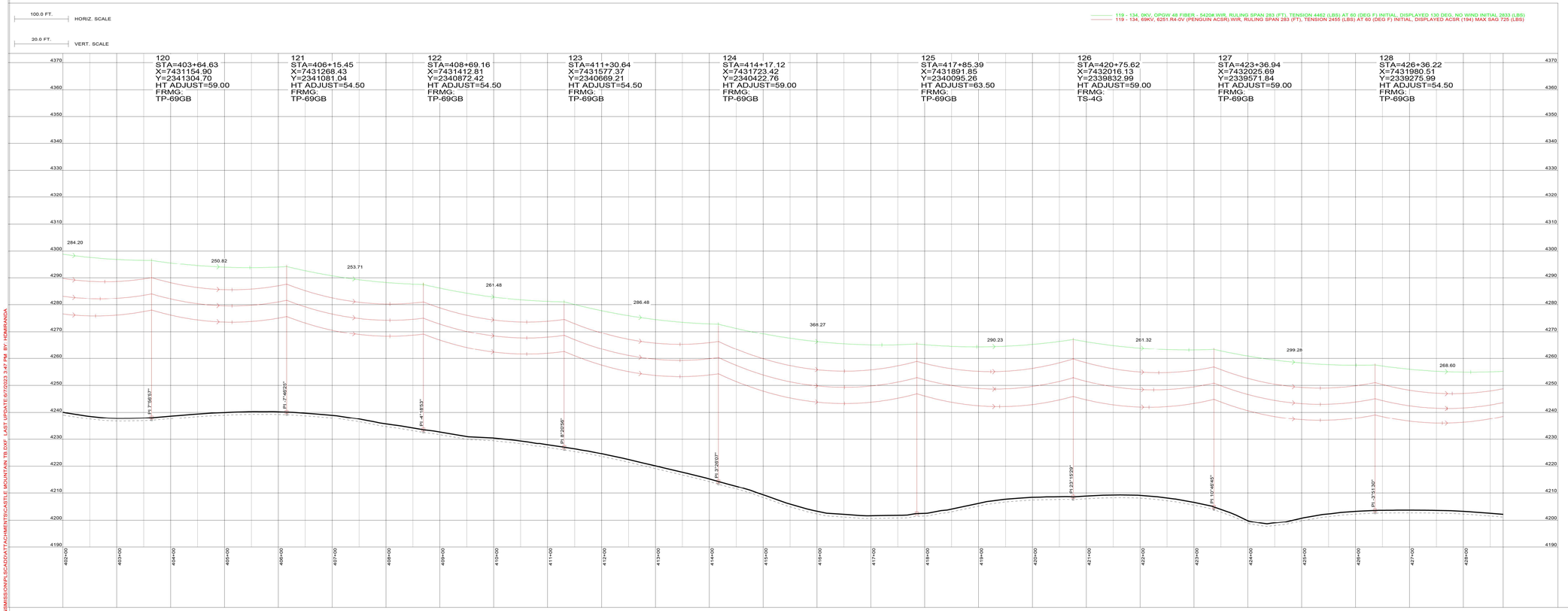


100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

119 - 134, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 283 (FT), TENSION 4462 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2833 (LBS)
119 - 134, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 283 (FT), TENSION 2455 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 725 (LBS)

120	121	122	123	124	125	126	127	128
STA=403+64.63	STA=406+15.45	STA=408+69.16	STA=411+30.64	STA=414+17.12	STA=417+85.39	STA=420+75.62	STA=423+36.94	STA=426+36.22
X=7431154.90	X=7431268.43	X=7431412.81	X=7431577.37	X=7431723.42	X=7431891.85	X=7432016.13	X=7432025.69	X=7431980.51
Y=2341304.70	Y=2341081.04	Y=2340872.42	Y=2340669.21	Y=2340422.76	Y=2340095.26	Y=2339832.99	Y=2339571.84	Y=2339275.99
HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=63.50	HT ADJUST=59.00	HT ADJUST=59.00	HT ADJUST=54.50
FRMG: TP-69GB	FRMG: TP-69GB	FRMG: TP-69GB	FRMG: TP-69GB	FRMG: TP-69GB	FRMG: TP-69GB	FRMG: TS-4G	FRMG: TP-69GB	FRMG: TP-69GB



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

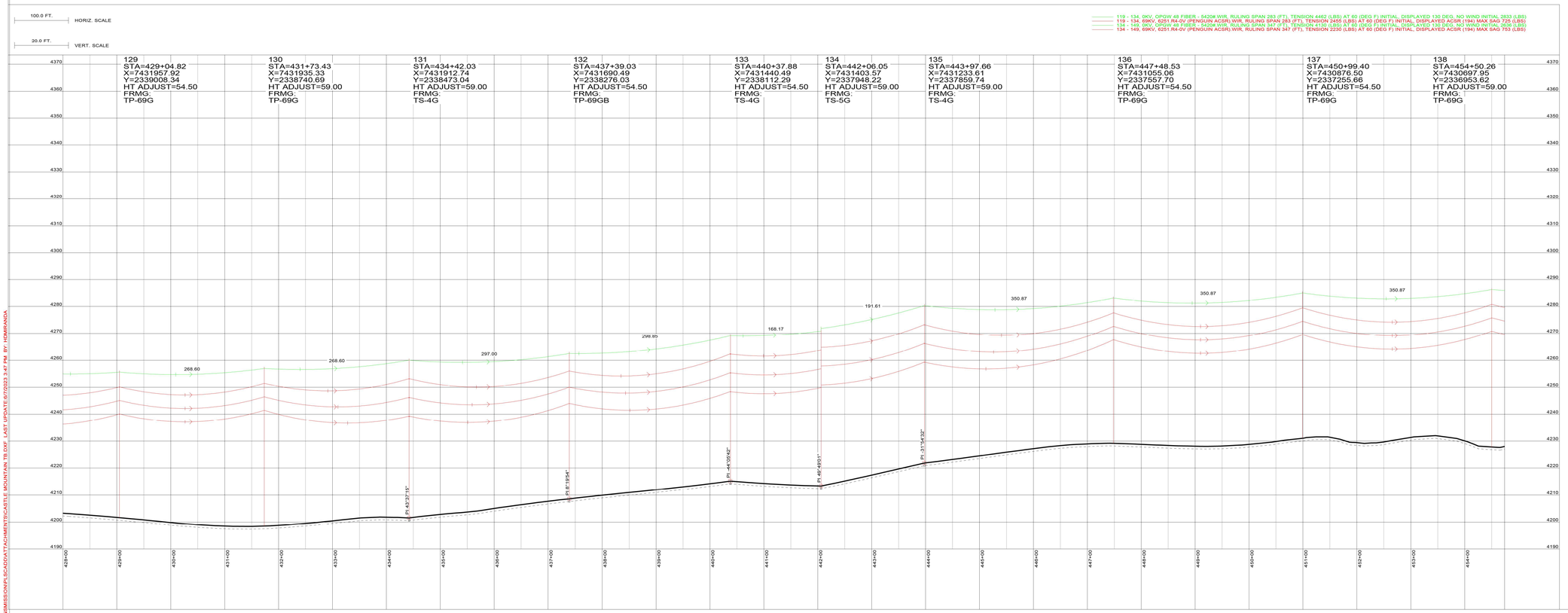
PROJECT NO. 150907
DWG NO. 150907-PNP- 0017
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUTILTY\DEI_DESIGN\ELECTRAN\MISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING







LINE / SYMBOLS LEGEND

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- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

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FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUTILTY\DEI_DESIGN\ELECTRANMISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

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CHECKED BY	F.D.G.		JUN. 23
PROJECT MGR	C.N.M.		JUN. 23
CLIENT APPR.			

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907

DWG NO. 150907-PNP- 0018

REV NO.

DATE 06-08-2023

PLS-CADD DRAWING





100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

134 - 149, 0KV, OPGW 48 FIBER - 54208.WIR, RULING SPAN 347 (FT), TENSION 4130 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2636 (LBS)
134 - 149, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 347 (FT), TENSION 2230 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 753 (LBS)

138	139	140	141	142	143	144	145
STA=454+50.26 X=7430697.95 Y=2336953.62 HT ADJUST=59.00 FRMG. TP-69G	STA=458+01.13 X=7430519.40 Y=2336651.59 HT ADJUST=54.50 FRMG. TP-69G	STA=461+52.00 X=7430340.85 Y=2336349.55 HT ADJUST=54.50 FRMG. TP-69G	STA=465+02.87 X=7430162.29 Y=2336047.51 HT ADJUST=54.50 FRMG. TP-69G	STA=468+53.74 X=7429983.74 Y=2335745.47 HT ADJUST=54.50 FRMG. TP-69GB	STA=472+03.92 X=7429771.67 Y=2335466.80 HT ADJUST=54.50 FRMG. TP-69G	STA=475+54.10 X=7429559.61 Y=2335188.14 HT ADJUST=54.50 FRMG. TP-69G	STA=479+04.28 X=7429347.54 Y=2334909.47 HT ADJUST=54.50 FRMG. TP-69G

4400 4390 4380 4370 4360 4350 4340 4330 4320 4310 4300 4290 4280 4270 4260 4250 4240 4230 4220

350.87 350.87 350.87 350.87 350.18 350.18 350.18 320.06

PI: 6°40'53"

454+00 455+00 456+00 457+00 458+00 459+00 460+00 461+00 462+00 463+00 464+00 465+00 466+00 467+00 468+00 469+00 470+00 471+00 472+00 473+00 474+00 475+00 476+00 477+00 478+00 479+00 480+00

LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

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CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0019
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUFLTY\DEI_DESIGN\ELECTRAN\MISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN_TB.DXF LAST UPDATE:6/7/2023 3:47 PM BY: HDMIRANDA

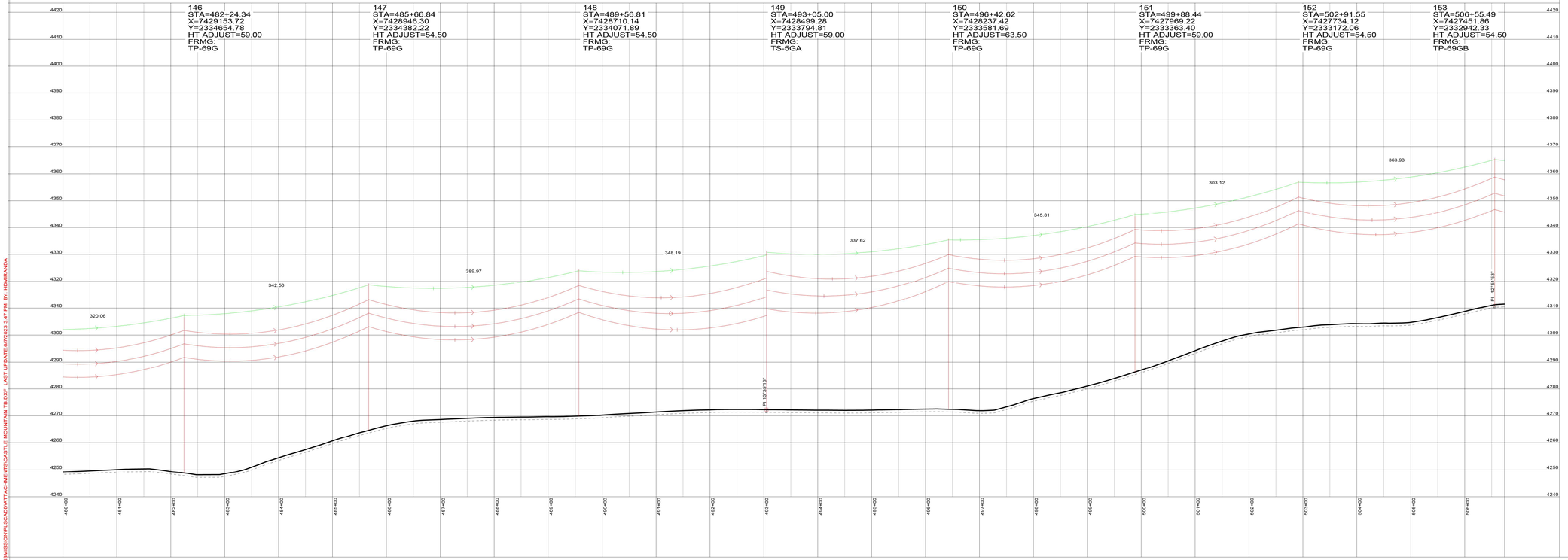
PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

134 - 149, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 347 (FT), TENSION 4130 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2636 (LBS)
134 - 149, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 347 (FT), TENSION 2230 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 753 (LBS)
149 - 166, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 339 (FT), TENSION 4178 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2662 (LBS)
149 - 164, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 339 (FT), TENSION 2260 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 749 (LBS)



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

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DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907

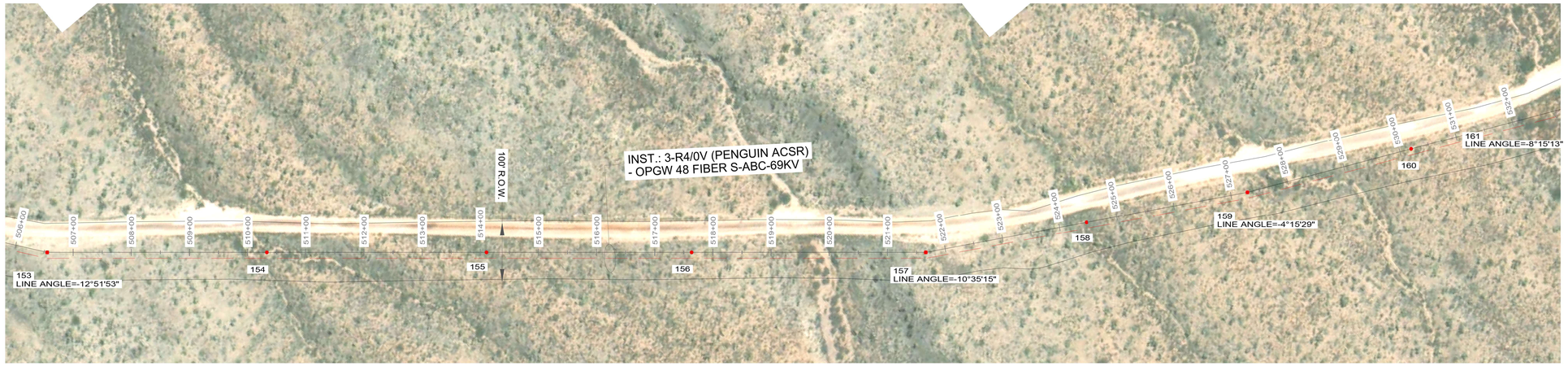
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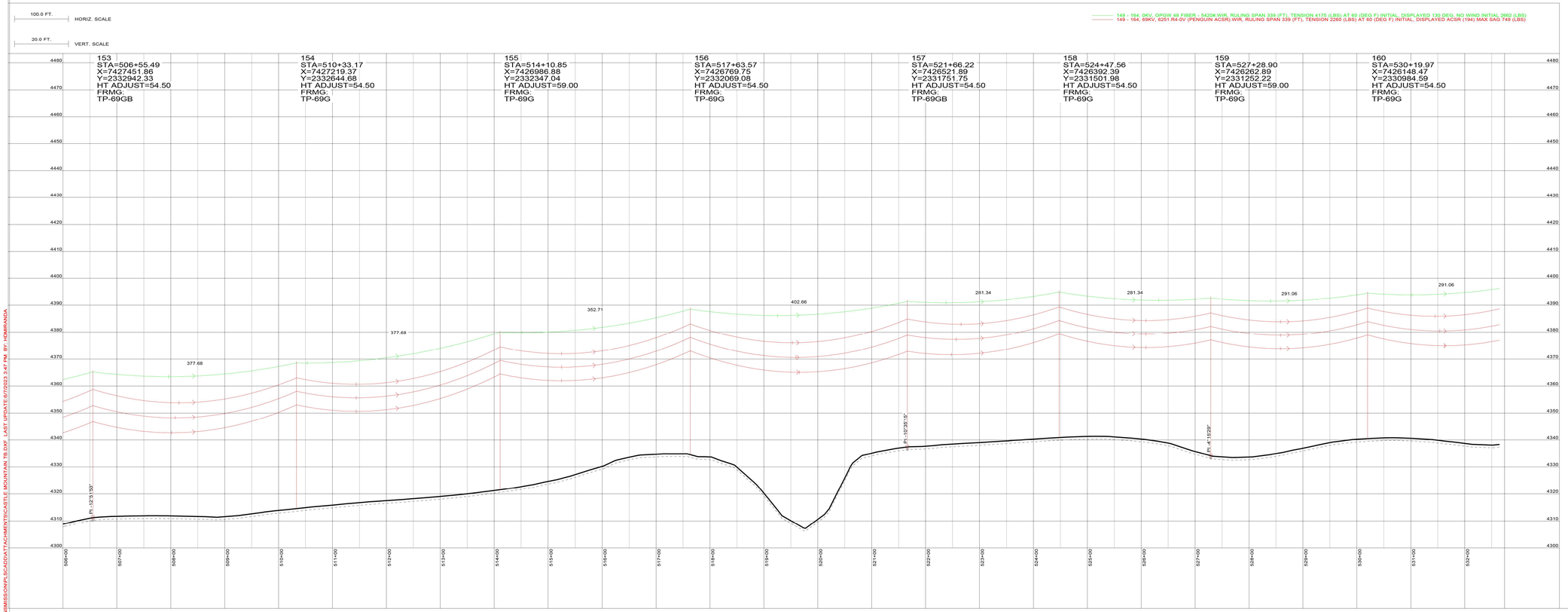
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PLS-CADD DRAWING







LINE / SYMBOLS LEGEND

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- DEADEND

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CASTLE MOUNTAIN MINE

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		DATE
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PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0021
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOX\GOLD\150907_CMNTUFILTYO\EQ_DESIGN\ELECTRANSMISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF LAST UPDATE 6/7/2023 3:47 PM BY: HDMIRANDA

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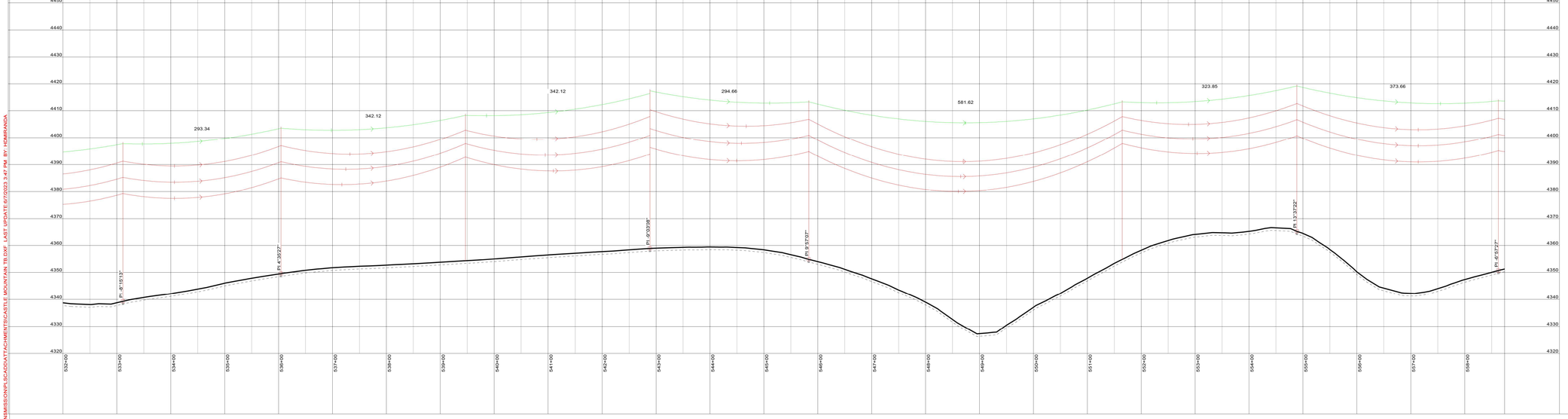


100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

149 - 164, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 339 (FT), TENSION 4175 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2662 (LBS)
149 - 164, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 339 (FT), TENSION 2260 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 749 (LBS)
164 - 179, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 365 (FT), TENSION 4029 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2560 (LBS)
164 - 179, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 365 (FT), TENSION 2154 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 759 (LBS)

161	162	163	164	165	166	167	168
STA=533+11.03	STA=536+04.37	STA=539+46.49	STA=542+88.61	STA=545+83.27	STA=551+64.89	STA=554+88.73	STA=558+62.39
X=7426034.05	X=7425958.65	X=7425844.53	X=7425730.41	X=7425677.05	X=7425474.45	X=7425361.65	X=7425152.66
Y=2330716.96	Y=2330433.48	Y=2330110.95	Y=2329788.43	Y=2329498.64	Y=2328953.44	Y=2328649.88	Y=2328340.13
HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=59.00	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=63.50
FRMG: TP-69GB	FRMG: TP-69GB	FRMG: TP-69G	FRMG: TS-5GA	FRMG: TP-69GB	FRMG: TP-69G	FRMG: TP-69GB	FRMG: TP-69GB



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE: 10102_IVANPAH_POWERLINE_ROW.

ELECTRONIC COPY OF FINAL DOCUMENT.
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ARCHITECT OR ENGINEER OF RECORD

PRELIMINARY
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EQUINOX GOLD
CASTLE MOUNTAIN MINE

DO NOT SCALE 11X17 DRAWINGS

REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907

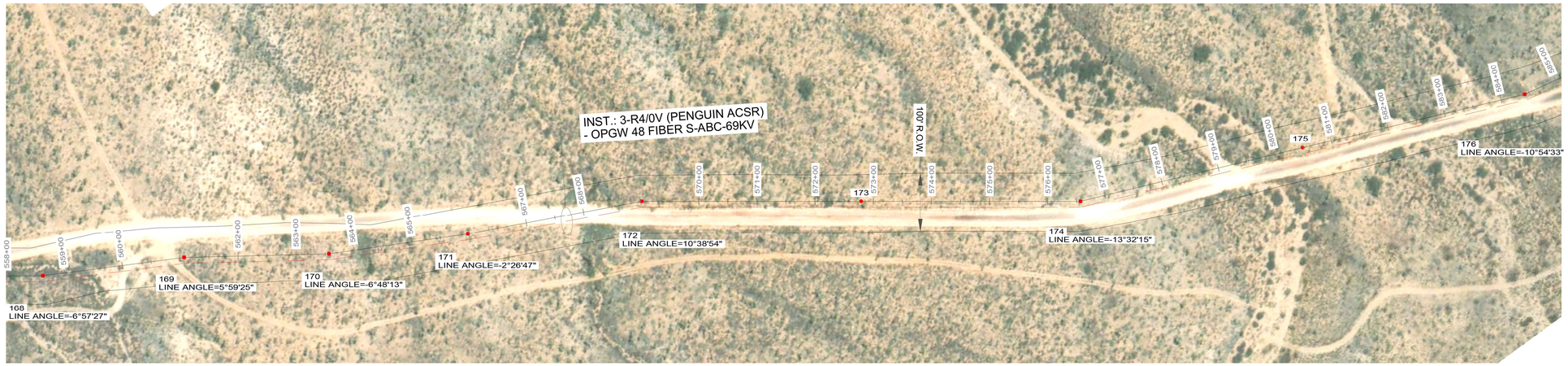
DWG NO. 150907-PNP- 0022

REV NO.

DATE 06-28-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUTILTY\DEQ_DESIGN\ELECTRANSMISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE 6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING



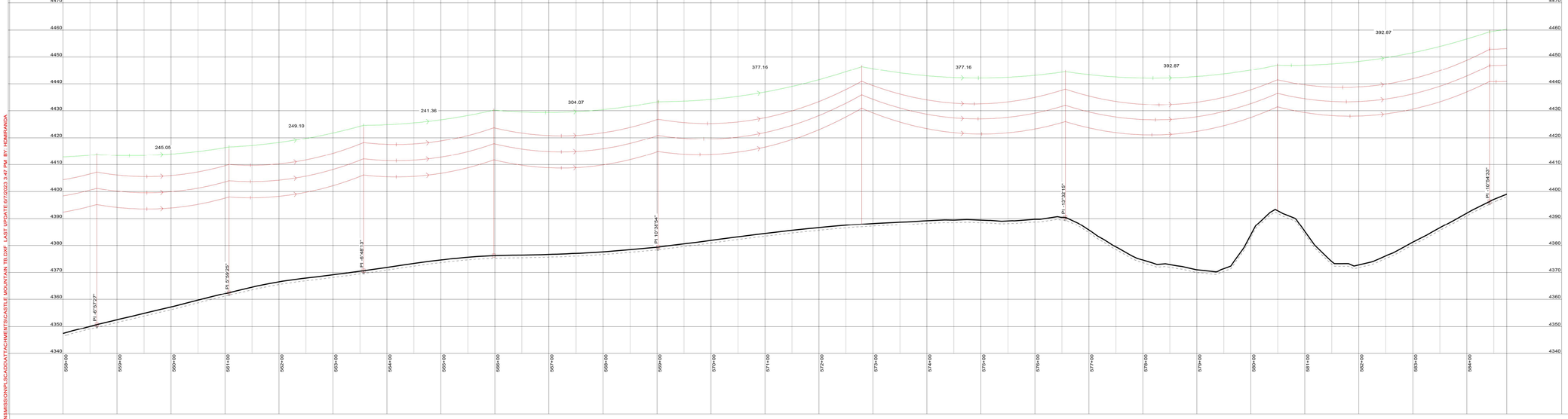


100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

164 - 179, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 365 (FT), TENSION 4029 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2690 (LBS)
164 - 179, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 365 (FT), TENSION 2154 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 759 (LBS)

168	169	170	171	172	173	174	175	176
STA=558+62.39	STA=561+07.44	STA=563+56.55	STA=565+97.90	STA=569+01.97	STA=572+79.13	STA=576+56.29	STA=580+49.16	STA=584+42.03
X=7425152.66	X=7425041.22	X=7424905.40	X=7424796.70	X=7424676.04	X=7424462.74	X=7424249.45	X=7424109.29	X=7423969.13
Y=2328340.13	Y=2328121.89	Y=2327913.07	Y=2327696.58	Y=2327418.35	Y=2327107.29	Y=2326796.24	Y=2326429.22	Y=2326062.21
HT ADJUST=63.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=63.50
FRMG.	FRMG.	FRMG.	FRMG.	FRMG.	FRMG.	FRMG.	FRMG.	FRMG.
TP-69GB	TP-69GB	TP-69GB	TP-69GB	TP-69GB	TP-69G	TP-69GB	TP-69G	TP-69GB



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

DO NOT SCALE 11X17 DRAWINGS

REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0023
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUFLTY\DEQ_DESIGN\ELECTRANSMISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE:8/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING





100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

164 - 179, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 365 (FT), TENSION 4029 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2690 (LBS)
164 - 179, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 365 (FT), TENSION 2154 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 759 (LBS)
179 - 195, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 308 (FT), TENSION 4333 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2752 (LBS)
179 - 195, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 308 (FT), TENSION 2371 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 737 (LBS)

176	177	178	179	180	181	182	183	184	185
STA=584+42.03	STA=586+61.20	STA=588+86.45	STA=591+11.70	STA=593+22.26	STA=596+90.36	STA=599+90.07	STA=603+20.23	STA=605+32.70	STA=608+71.49
X=7423969.13	X=7423931.10	X=7424024.67	X=7424118.23	X=7424119.59	X=7424265.16	X=7424383.69	X=7424514.27	X=7424598.29	X=7424674.93
Y=2326062.21	Y=2325846.36	Y=2325641.46	Y=2325436.56	Y=2325226.01	Y=2324887.92	Y=2324612.64	Y=2324309.39	Y=2324114.25	Y=2323784.24
HT ADJUST=63.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=65.50	HT ADJUST=65.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50
FRMG:	FRMG:	FRMG:	FRMG:	FRMG:	FRMG:	FRMG:	FRMG:	FRMG:	FRMG:
TP-69GB	TS-4G	TP-69G	TS-5GA	TS-4G	TP-69G	TP-69G	TP-69G	TP-69GB	TP-69G

4570 4560 4550 4540 4530 4520 4510 4500 4490 4480 4470 4460 4450 4440 4430 4420 4410 4400 4390

210.17 225.25 225.25 210.55 368.10 299.72 330.16 212.46 338.79 324.80

PI - 10°54'33" PI -34°32'08" PI 24°10'23" PI -22°55'32" PI 10°13'19"

584+00 585+00 586+00 587+00 588+00 589+00 590+00 591+00 592+00 593+00 594+00 595+00 596+00 597+00 598+00 599+00 600+00 601+00 602+00 603+00 604+00 605+00 606+00 607+00 608+00 609+00 610+00

LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

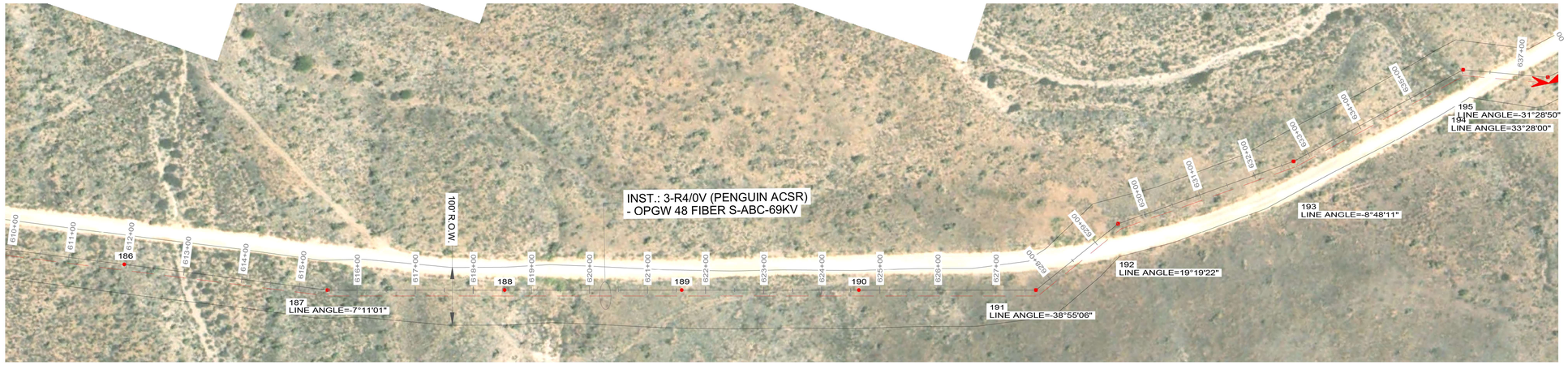
BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

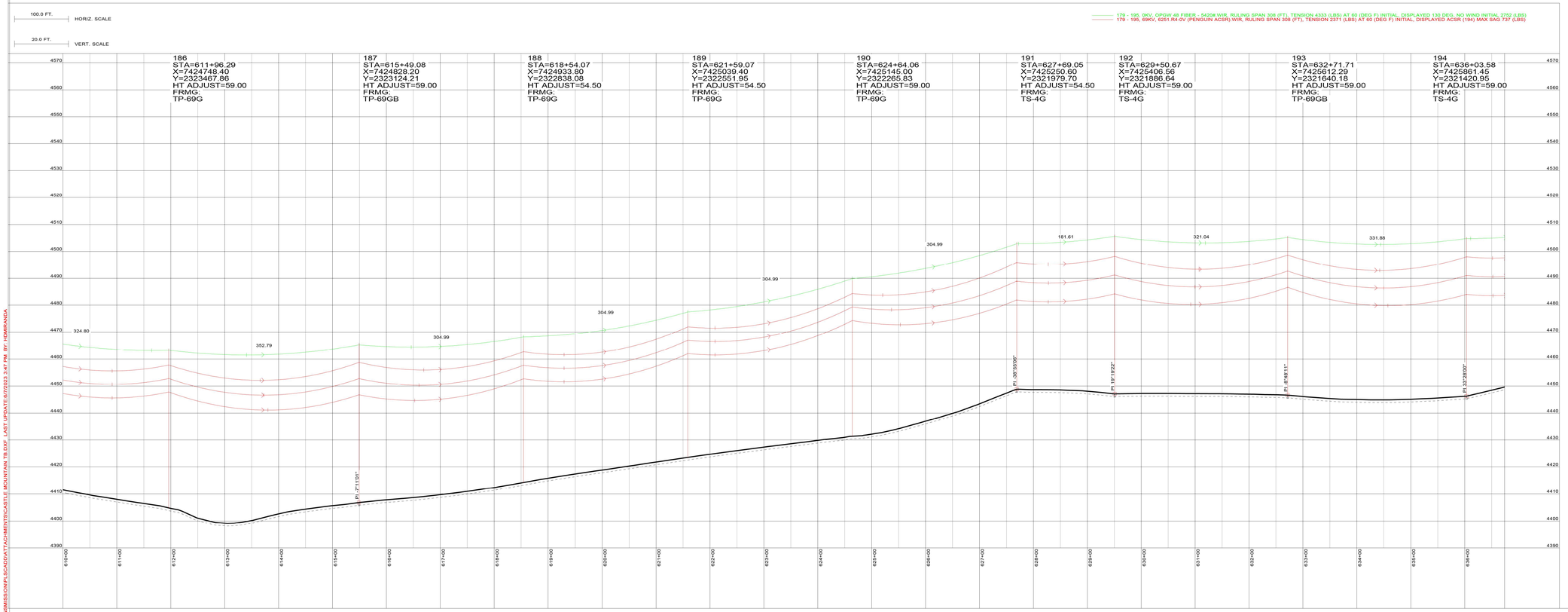
NEW POWER FEED TO MINE
WALKING BOX SUB -
CASTLE MOUNTAIN MINE
69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0024
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOX\GOLD\150907_CMNTU\TLTYO\EQ_DESIGN\ELECTRAN\MISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN_TB.DXF - LAST UPDATE 6/7/2023 3:47 PM, BY: HDMIRANDA







LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
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SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0025
REV NO.
DATE 06-28-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUFLTY\DEI_DESIGN\ELECTRAN\MISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN_TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING

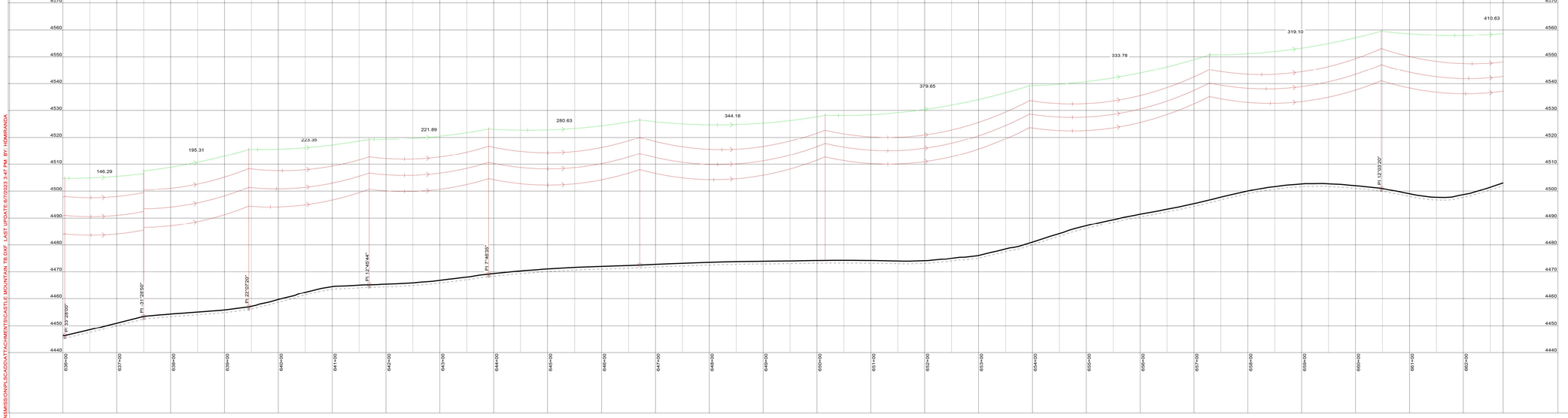


100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

179 - 195, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 308 (FT), TENSION 4333 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2752 (LBS)
179 - 195, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 308 (FT), TENSION 2371 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 737 (LBS)
195 - 213, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 316 (FT), TENSION 4253 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2717 (LBS)
195 - 213, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 316 (FT), TENSION 2336 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 738 (LBS)

194	195	196	197	198	199	200	201	202	203
STA=636+03.58	STA=637+49.87	STA=639+45.18	STA=641+68.53	STA=643+90.42	STA=646+71.04	STA=650+15.22	STA=653+94.87	STA=657+28.65	STA=660+47.75
X=7425861.45	X=7425899.78	X=7426041.85	X=7426134.64	X=7426179.96	X=7426199.58	X=7426206.43	X=7426213.99	X=7426220.64	X=7426226.99
Y=2321420.95	Y=2321279.77	Y=2321145.75	Y=2320942.59	Y=2320725.38	Y=2320445.44	Y=2320101.33	Y=2319721.76	Y=2319388.05	Y=2319069.91
HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=59.00
FRMG: TS-4G	FRMG: TS-5G	FRMG: TS-4G	FRMG: TP-69GB	FRMG: TP-69GB	FRMG: TP-69GB	FRMG: TP-69G	FRMG: TP-69G	FRMG: TP-69G	FRMG: TP-69GB



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE:
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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0026
REV NO.
DATE 06-28-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUTILTY\DEI_DESIGN\ELECTRAN\MISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN_TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

195 - 213, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 316 (FT), TENSION 4263 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 3717 (LBS)
195 - 213, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 316 (FT), TENSION 2336 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 738 (LBS)

204
STA=664+58.37
X=7426149.24
Y=2318665.81
HT ADJUST=54.50
FRMG.
TP-69G

205
STA=668+36.62
X=7426077.62
Y=2318294.41
HT ADJUST=54.50
FRMG.
TP-69GB

206
STA=670+62.94
X=7426018.57
Y=2318075.93
HT ADJUST=54.50
FRMG.
TP-69G

207
STA=673+14.19
X=7425953.02
Y=2317833.38
HT ADJUST=59.00
FRMG.
TP-69G

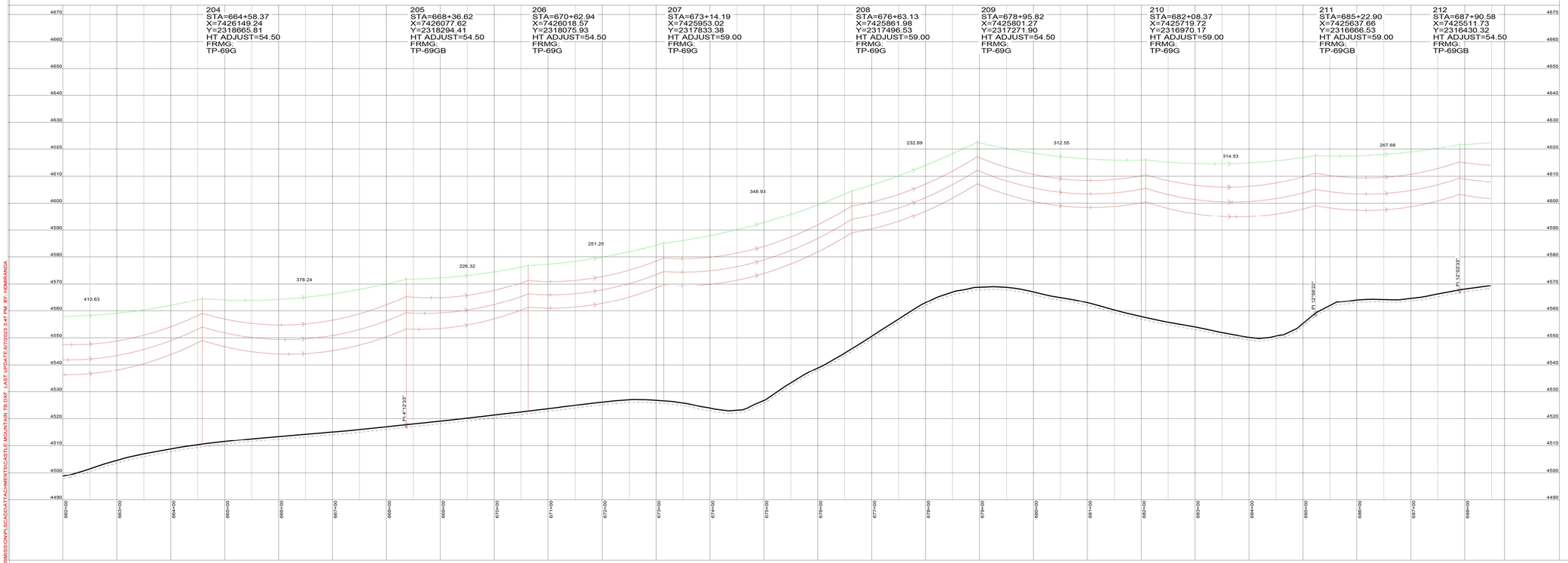
208
STA=676+63.13
X=7425861.98
Y=2317496.53
HT ADJUST=59.00
FRMG.
TP-69G

209
STA=678+95.82
X=7425801.27
Y=2317271.90
HT ADJUST=54.50
FRMG.
TP-69G

210
STA=682+08.37
X=7425719.72
Y=2316970.17
HT ADJUST=59.00
FRMG.
TP-69G

211
STA=685+22.90
X=7425637.66
Y=2316666.53
HT ADJUST=59.00
FRMG.
TP-69GB

212
STA=687+90.58
X=7425511.73
Y=2316430.32
HT ADJUST=54.50
FRMG.
TP-69GB



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE:
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CASTLE MOUNTAIN MINE

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REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

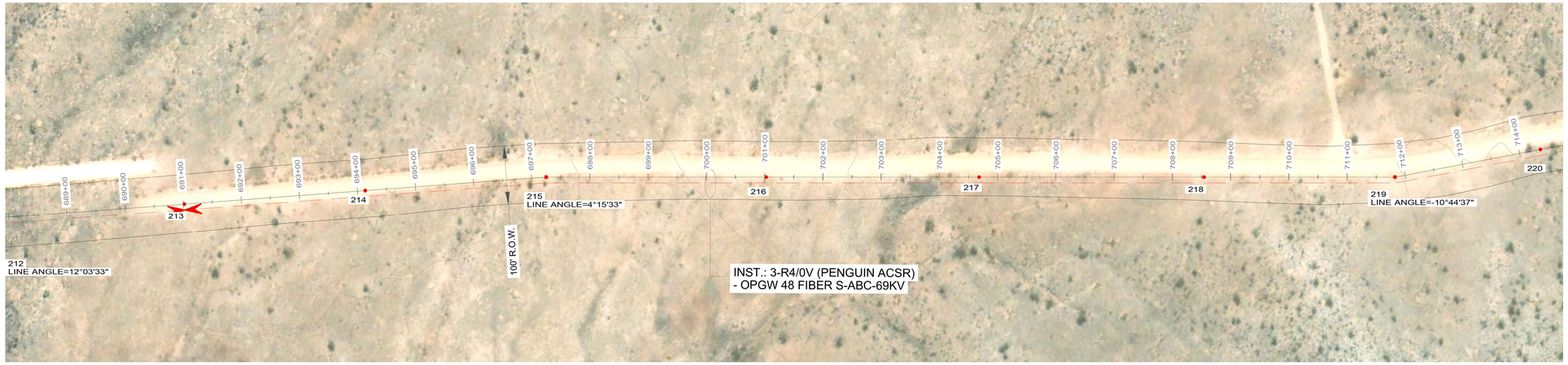
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0027
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\ENR\EQUINOXGOLD\150907_CMNTUTILTY\DEI_DESIGN\ELECTRAN\MISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE 6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING

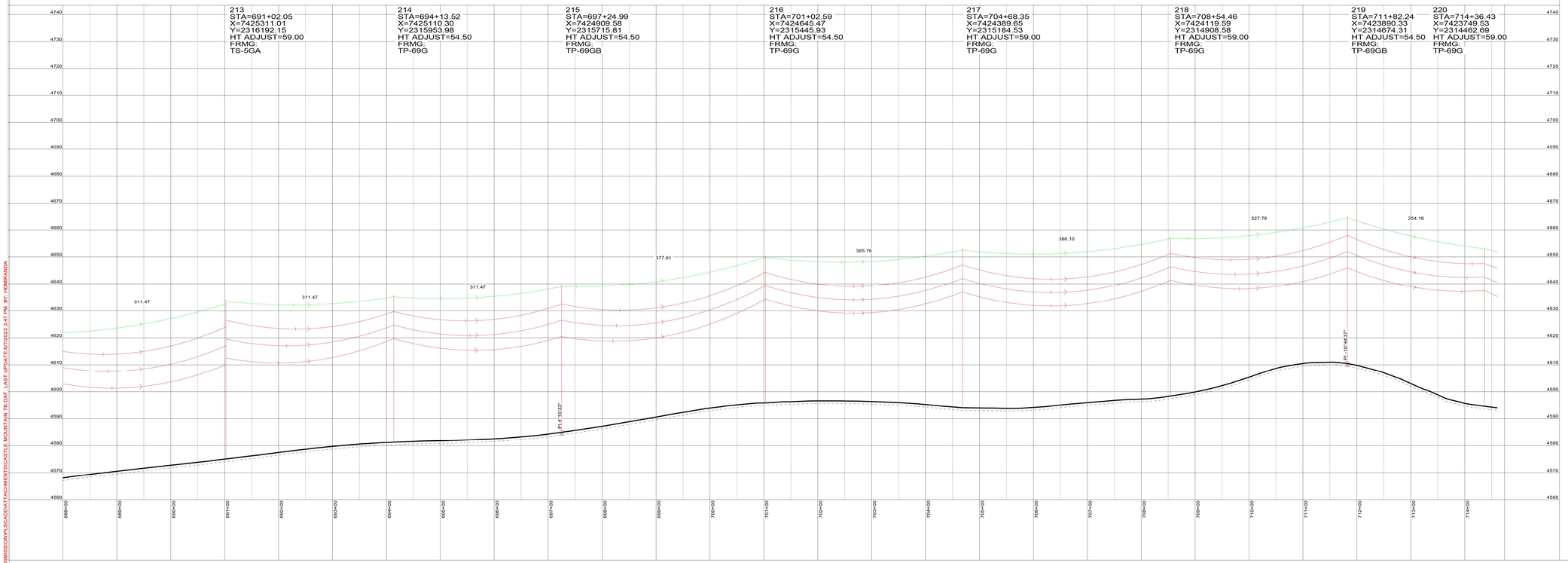


100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

195 - 213, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 316 (FT), TENSION 4283 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2717 (LBS)
195 - 213, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 316 (FT), TENSION 2336 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 738 (LBS)
213 - 231, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 331 (FT), TENSION 4218 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2682 (LBS)
213 - 231, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 331 (FT), TENSION 2281 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 745 (LBS)

213	214	215	216	217	218	219	220
STA=691+02.05	STA=694+13.52	STA=697+24.99	STA=701+02.59	STA=704+68.35	STA=708+54.46	STA=711+82.24	STA=714+36.43
X=7425311.01	X=7425110.30	X=7424909.58	X=7424645.47	X=7424389.65	X=7424119.59	X=7423890.33	X=7423749.53
Y=2316192.15	Y=2315953.98	Y=2315715.81	Y=2315445.93	Y=2315184.53	Y=2314908.58	Y=2314674.31	Y=2314462.69
HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=59.00
FRMG: TS-5GA	FRMG: TP-69G	FRMG: TP-69GB	FRMG: TP-69G	FRMG: TP-69G	FRMG: TP-69G	FRMG: TP-69GB	FRMG: TP-69G



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE: 10102_IVANPAH_POWERLINE_ROW.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

DO NOT SCALE 11X17 DRAWINGS

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

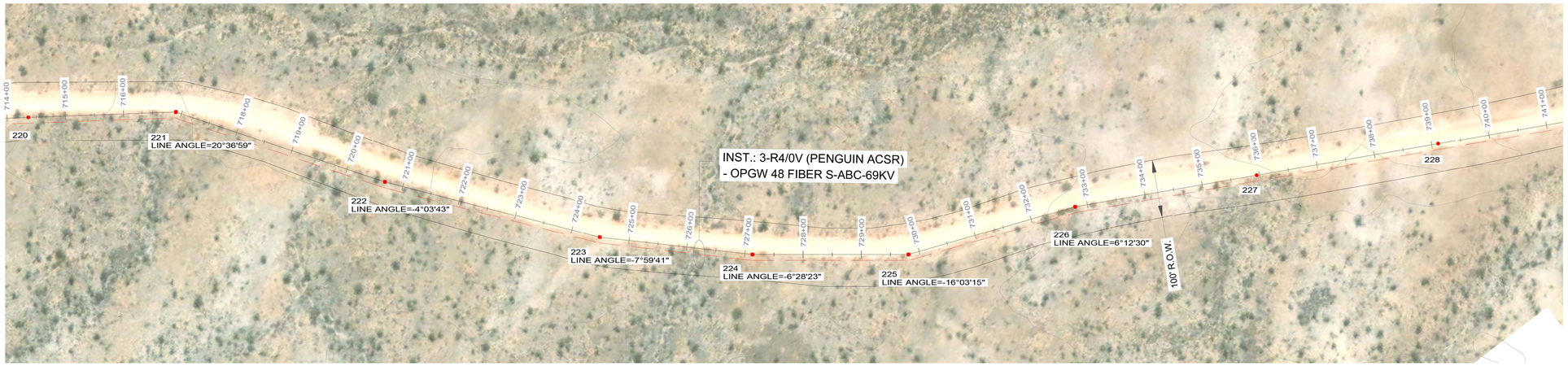
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0028
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUTILTY\DEI_DESIGN\ELECTRAN\MISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF LAST UPDATE:8/7/2023 3:47 PM BY: HDARANDA

PLS-CADD DRAWING

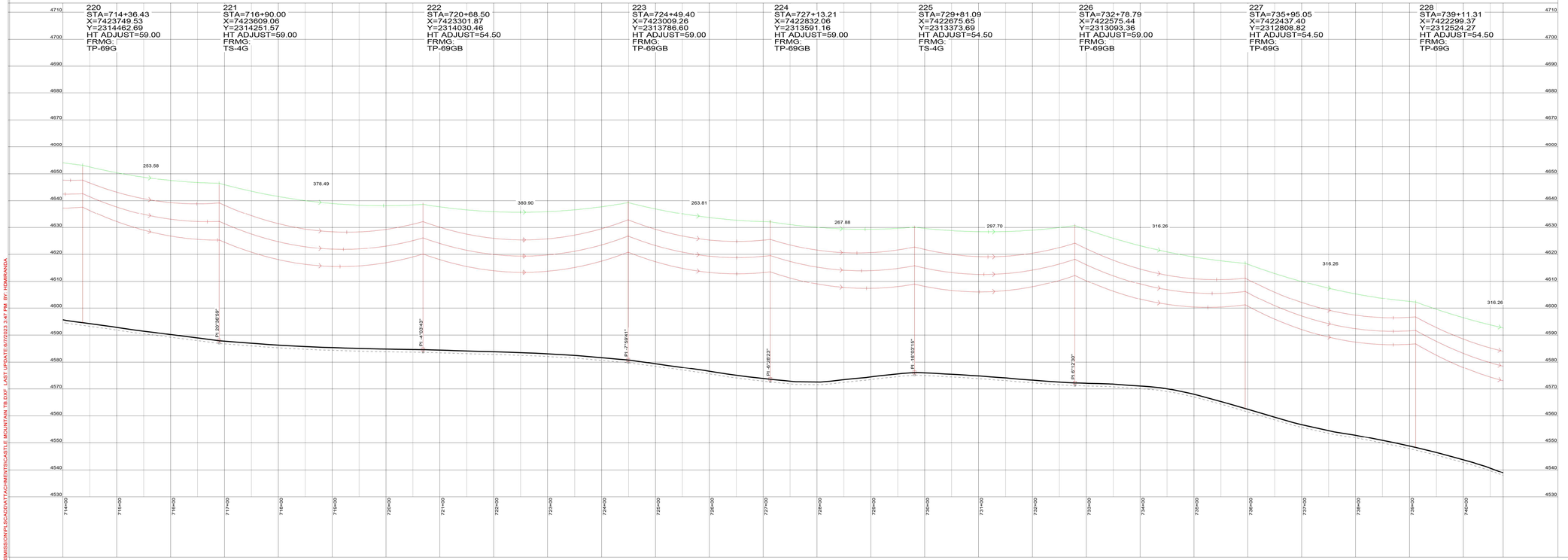


100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

213 - 231, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 331 (FT), TENSION 4215 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2682 (LBS)
213 - 231, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 331 (FT), TENSION 2281 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 745 (LBS)

220	221	222	223	224	225	226	227	228
STA=714+36.43	STA=716+90.00	STA=720+68.50	STA=724+49.40	STA=727+13.21	STA=729+81.09	STA=732+78.79	STA=735+95.05	STA=739+11.31
X=7423749.53	X=7423609.06	X=7423301.87	X=7423009.26	X=7422832.06	X=7422675.65	X=7422575.44	X=7422437.40	X=7422299.37
Y=2314462.69	Y=2314251.57	Y=2314030.46	Y=2313786.60	Y=2313591.16	Y=2313373.69	Y=2313093.36	Y=2312808.82	Y=2312524.27
HT ADJUST=59.00	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50
FRMG: TP-69G	FRMG: TS-4G	FRMG: TP-69GB	FRMG: TP-69GB	FRMG: TP-69GB	FRMG: TS-4G	FRMG: TP-69GB	FRMG: TP-69G	FRMG: TP-69G



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE: 10102_IVANPAH_POWERLINE_ROW.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

		DATE
SCALE:		
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

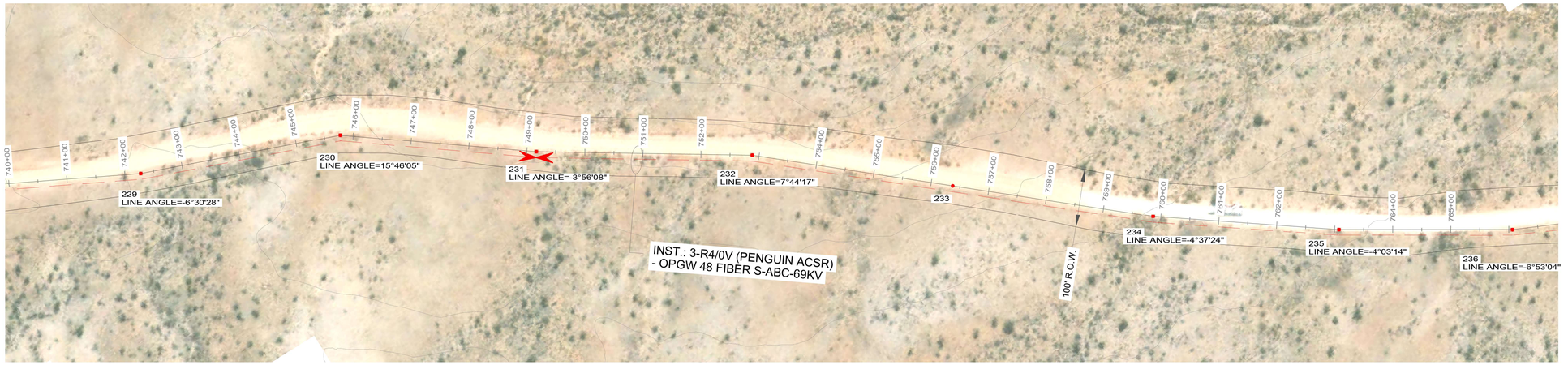
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE
WALKING BOX SUB -
CASTLE MOUNTAIN MINE
69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0029
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUFLTYO\EQ_DESIGN\ELECTRANMISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE:8/7/2023 3:47 PM, BY: HDMIRANDA

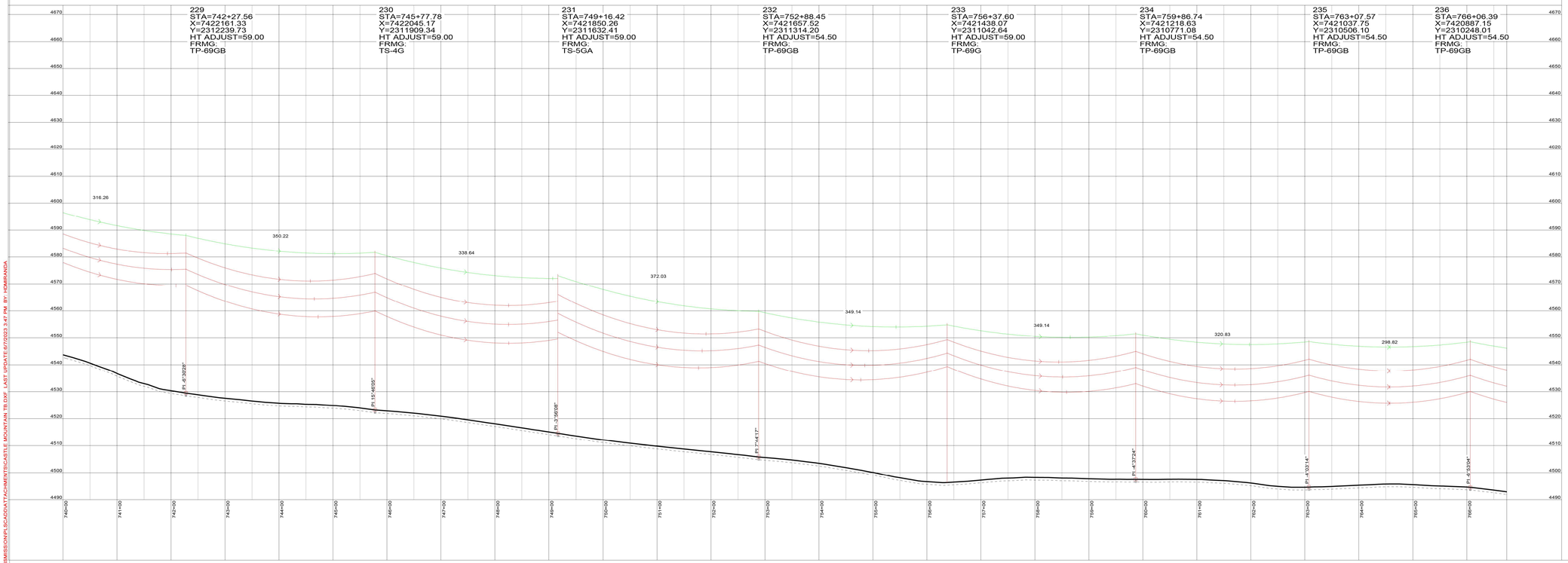
PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

213 - 231, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 331 (FT), TENSION 4215 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2692 (LBS)
213 - 231, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 331 (FT), TENSION 2281 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 745 (LBS)
231 - 246, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 339 (FT), TENSION 4170 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2659 (LBS)
231 - 246, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 339 (FT), TENSION 2258 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 749 (LBS)



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE:
10102_IVANPAH_POWERLINE_ROW.

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CASTLE MOUNTAIN MINE

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REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
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DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

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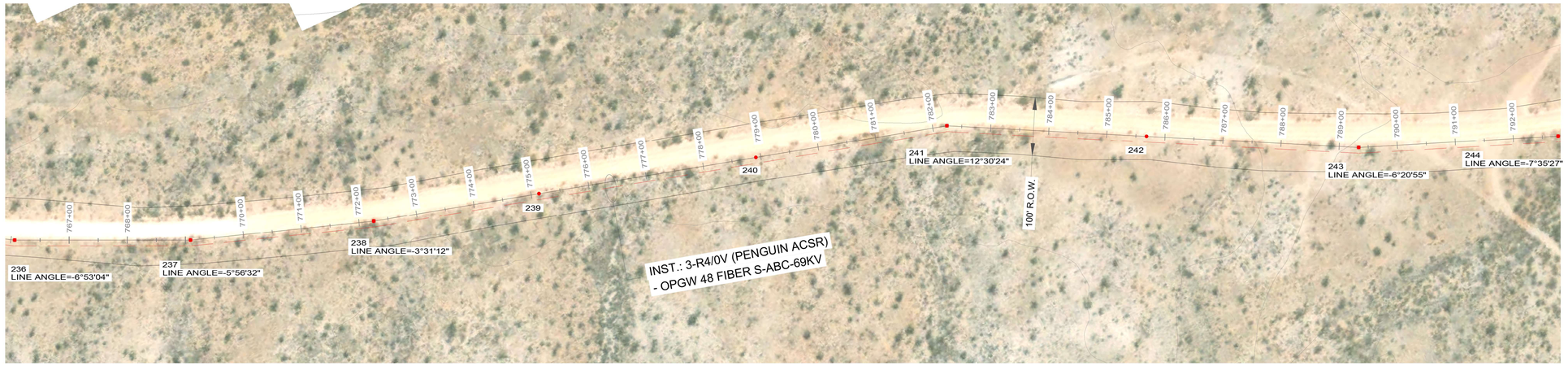
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0030
REV NO.
DATE 06-28-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUTILTY\DEQ_DESIGN\ELECTRANSMISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE 6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

231 - 246, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 339 (FT), TENSION 4170 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2659 (LBS)
231 - 246, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 339 (FT), TENSION 2258 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 749 (LBS)

236	237	238	239	240	241	242	243
STA=766+06.39	STA=769+08.78	STA=772+25.50	STA=775+13.53	STA=778+91.61	STA=782+24.66	STA=785+68.41	STA=789+33.58
X=7420887.15	X=7420767.15	X=7420672.24	X=7420602.96	X=7420512.02	X=7420431.91	X=7420278.94	X=7420116.43
Y=2310248.01	Y=2309970.44	Y=2309668.28	Y=2309388.71	Y=2309021.73	Y=2308698.45	Y=2308390.62	Y=2308063.60
HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50
FRMG. TP-69GB	FRMG. TP-69GB	FRMG. TP-69GB	FRMG. TP-69G	FRMG. TP-69G	FRMG. TP-69GB	FRMG. TP-69G	FRMG. TP-69GB

302.40 316.72 288.03 378.08 333.05 343.75 365.17 343.55

PI: 6°53'04" PI: 5°56'32" PI: 3°31'12" PI: 12°30'24" PI: 6°20'55"

LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE: 10102_IVANPAH_POWERLINE_ROW.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

DO NOT SCALE 11X17 DRAWINGS

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
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SCALE:		DATE
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

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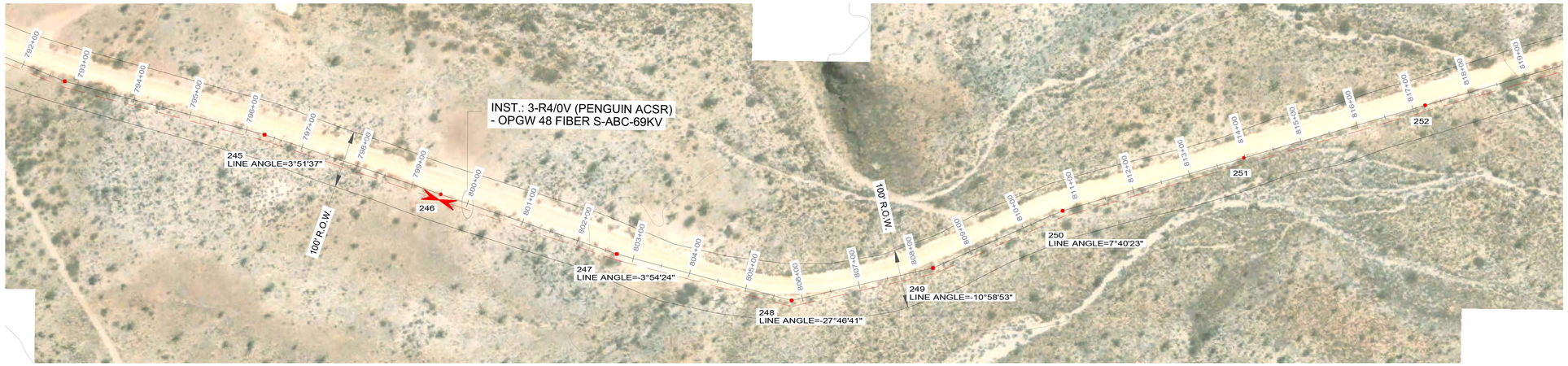
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0031
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEW\EQUINOXGOLD\150907_CMNTUFILTYO\EQ_DESIGN\ELECTRAN\MISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN_TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDMIRANDA

PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

231 - 246, 0KV, OPGW 48 FIBER - 54208.WIR, RULING SPAN 339 (FT), TENSION 4170 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2659 (LBS)
231 - 246, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 339 (FT), TENSION 2256 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 749 (LBS)
246 - 264, 0KV, OPGW 48 FIBER - 54208.WIR, RULING SPAN 319 (FT), TENSION 4277 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2717 (LBS)
246 - 264, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 319 (FT), TENSION 2326 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 741 (LBS)

244	245	246	247	248	249	250	251	252
STA=792+77.13	STA=796+32.11	STA=799+51.53	STA=802+70.96	STA=805+81.27	STA=808+30.27	STA=810+73.80	STA=813+97.86	STA=817+21.92
X=7419998.50	X=7419921.76	X=7419831.87	X=7419741.97	X=7419675.13	X=7419741.00	X=7419848.98	X=7419952.60	X=7420056.21
Y=2307740.92	Y=2307394.34	Y=2307087.83	Y=2306781.31	Y=2306478.28	Y=2306238.15	Y=2306019.87	Y=2305712.82	Y=2305405.78
HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=59.00	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50	HT ADJUST=54.50
FRMG:	FRMG:	FRMG:	FRMG:	FRMG:	FRMG:	FRMG:	FRMG:	FRMG:
TP-69GB	TP-69GB	TS-5GA	TP-69GB	TS-4G	TP-69GB	TP-69GB	TP-69G	TP-69G

354.97 | 319.43 | 319.43 | 310.31 | 249.00 | 243.53 | 324.06 | 324.06

Pt.7°40'27" | Pt.3°51'37" | Pt.-3°54'24" | Pt.-27°46'41" | Pt.-10°58'53" | Pt.-7°40'23"

792+00 | 793+00 | 794+00 | 795+00 | 796+00 | 797+00 | 798+00 | 799+00 | 800+00 | 801+00 | 802+00 | 803+00 | 804+00 | 805+00 | 806+00 | 807+00 | 808+00 | 809+00 | 810+00 | 811+00 | 812+00 | 813+00 | 814+00 | 815+00 | 816+00 | 817+00 | 818+00

LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE:
10102_IVANPAH_POWERLINE_ROW.

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUFILTY\OE\3_DESIGN\ELECTRANSMISSION\PLSCADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF, LAST UPDATE:6/7/2023 3:47 PM, BY: HDARBANDA

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

		DATE
SCALE:		
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

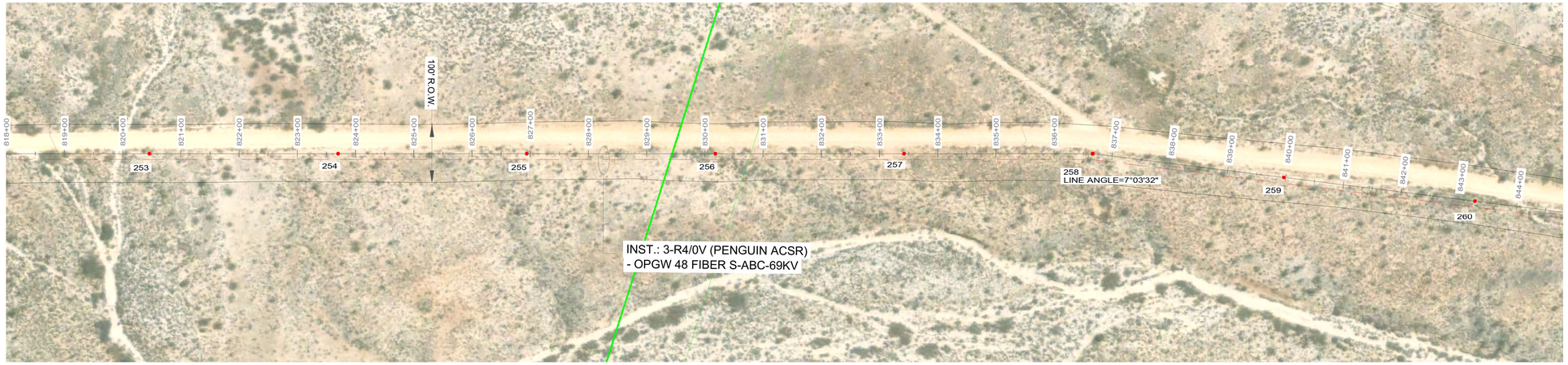
BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE
WALKING BOX SUB -
CASTLE MOUNTAIN MINE
69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0032
REV NO.
DATE 06-08-2023

PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

246 - 264, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 319 (FT), TENSION 4277 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 2717 (LBS)
246 - 264, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 319 (FT), TENSION 2326 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 741 (LBS)

253
STA=820+45.98
X=7420159.83
Y=2305098.73
HT ADJUST=54.50
FRMG.
TP-69G

254
STA=823+70.04
X=7420263.45
Y=2304791.68
HT ADJUST=54.50
FRMG.
TP-69G

255
STA=826+94.10
X=7420367.07
Y=2304484.64
HT ADJUST=54.50
FRMG.
TP-69G

256
STA=830+18.15
X=7420470.69
Y=2304177.59
HT ADJUST=54.50
FRMG.
TP-69G

257
STA=833+42.21
X=7420574.30
Y=2303870.55
HT ADJUST=54.50
FRMG.
TP-69G

258
STA=836+66.27
X=7420677.92
Y=2303563.50
HT ADJUST=54.50
FRMG.
TP-69GB

259
STA=839+97.01
X=7420744.36
Y=2303239.50
HT ADJUST=54.50
FRMG.
TP-69G

260
STA=843+27.76
X=7420810.80
Y=2302915.50
HT ADJUST=54.50
FRMG.
TP-69G

4520 4510 4500 4490 4480 4470 4460 4450 4440 4430 4420 4410 4400 4390 4380 4370 4360 4350 4340

324.06 324.06 324.06 324.06 324.06 324.06 330.74 330.74

818+00 819+00 820+00 821+00 822+00 823+00 824+00 825+00 826+00 827+00 828+00 829+00 830+00 831+00 832+00 833+00 834+00 835+00 836+00 837+00 838+00 839+00 840+00 841+00 842+00 843+00 844+00

PI 7°03'32"

LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE:
10102_IVANPAH_POWERLINE_ROW.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

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DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

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CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE
WALKING BOX SUB -
CASTLE MOUNTAIN MINE
69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0033
REV NO.
DATE 06-08-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUTILTY\DEQ_DESIGN\ELECTRANMISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF LAST UPDATE:6/7/2023 3:47 PM BY: HDMIRANDA

PLS-CADD DRAWING



100.0 FT. HORIZ. SCALE

20.0 FT. VERT. SCALE

246 - 264, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 319 (FT), TENSION 4277 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED 130 DEG, NO WIND INITIAL 3717 (LBS)
246 - 264, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 319 (FT), TENSION 2326 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 741 (LBS)
264 - 266, 0KV, OPGW 48 FIBER - 5420#.WIR, RULING SPAN 344 (FT), TENSION 4153 (LBS) AT 60 (DEG F) INITIA., DISPLAYED 130 DEG, NO WIND INITIAL 3653 (LBS)
264 - 266, 69KV, 6251.R4-0V (PENGUIN ACSR).WIR, RULING SPAN 344 (FT), TENSION 2245 (LBS) AT 60 (DEG F) INITIAL, DISPLAYED ACSR (194) MAX SAG 753 (LBS)

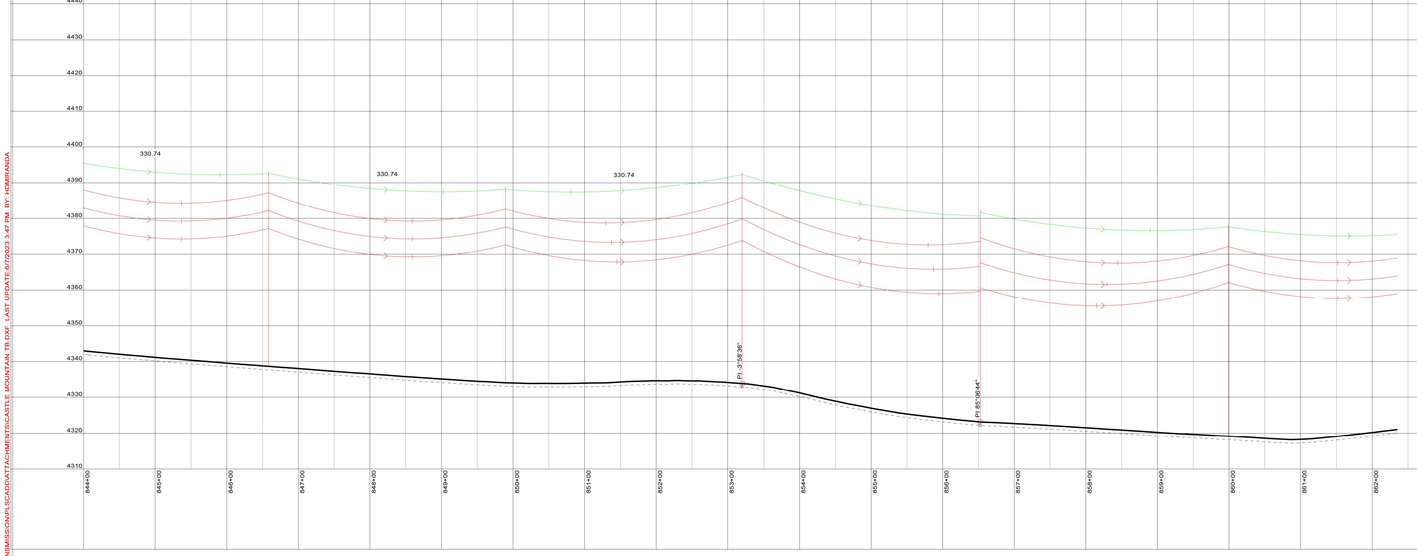
261
STA=846+58.50
X=7420877.25
Y=2302591.50
HT ADJUST=54.50
FRMG.
TP-69G

262
STA=849+89.24
X=7420943.69
Y=2302267.50
HT ADJUST=54.50
FRMG.
TP-69G

263
STA=853+19.98
X=7421010.13
Y=2301943.50
HT ADJUST=59.00
FRMG.
TP-69GB

264
STA=856+52.39
X=7421099.33
Y=2301623.28
HT ADJUST=59.00
FRMG.
TS-5G

265 266
STA=859+31.21 STA=863+40.72
X=7420774.33 X=7420454.40
Y=2301502.00 Y=2301382.75
HT ADJUST=54.00 HT ADJUST=54.50
FRMG. FRMG.
TP-69G REDUCED TENSION



LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PRE-EXISTING LINE FROM GOOGLE.

BUFFER LIMITS PER GOOGLE EARTH FILE: 10102_IVANPAH_POWERLINE_ROW.

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DO NOT SCALE 11X17 DRAWINGS

EQUINOX GOLD
CASTLE MOUNTAIN MINE

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
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		DATE
SCALE:		
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

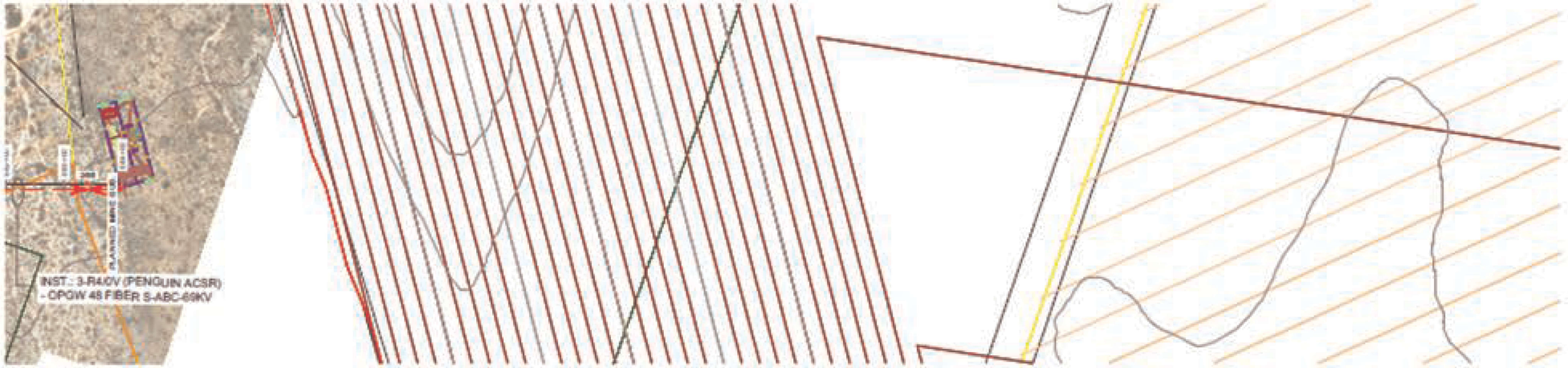
BURNS McDONNELL

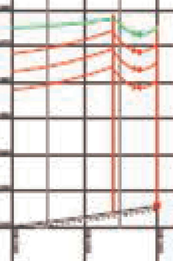
CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907
DWG NO. 150907-PNP- 0034
REV NO.
DATE 06-28-2023

FILE: Z:\CLIENTS\RENEQUINOXGOLD\150907_CMNTUPLTY\DEI_DESIGN\ELECTRAN\MISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF LAST UPDATE:6/7/2023 3:47 PM BY: HDMIRANDA





LINE / SYMBOLS LEGEND

- PROPOSED POLE
- PROPOSED OH TRANSMISSION (69 KV & OPGW)
- RIGHT OF WAY
- DEADEND

NOTES:

UNITS OF MEASURE: INTERNATIONAL FEET

POWER LINES FOLLOWS PREJECTED LINE FROM GOOGLE

BUFFER LIMITS PER GOOGLE EARTH FILE 10103_WANPAH_POWERLINE_ROW.

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

DO NOT SCALE 11X17 DRAWINGS

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DWG. NO.	TITLE	DWG. NO.	TITLE	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT	NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE:
DESIGNED BY	H.D.M.	JUN. 23
DRAWN BY	R.G.A.	JUN. 23
CHECKED BY	F.D.S.	JUN. 23
PROJECT MGR.	C.N.M.	JUN. 23
CLIENT APPR.		

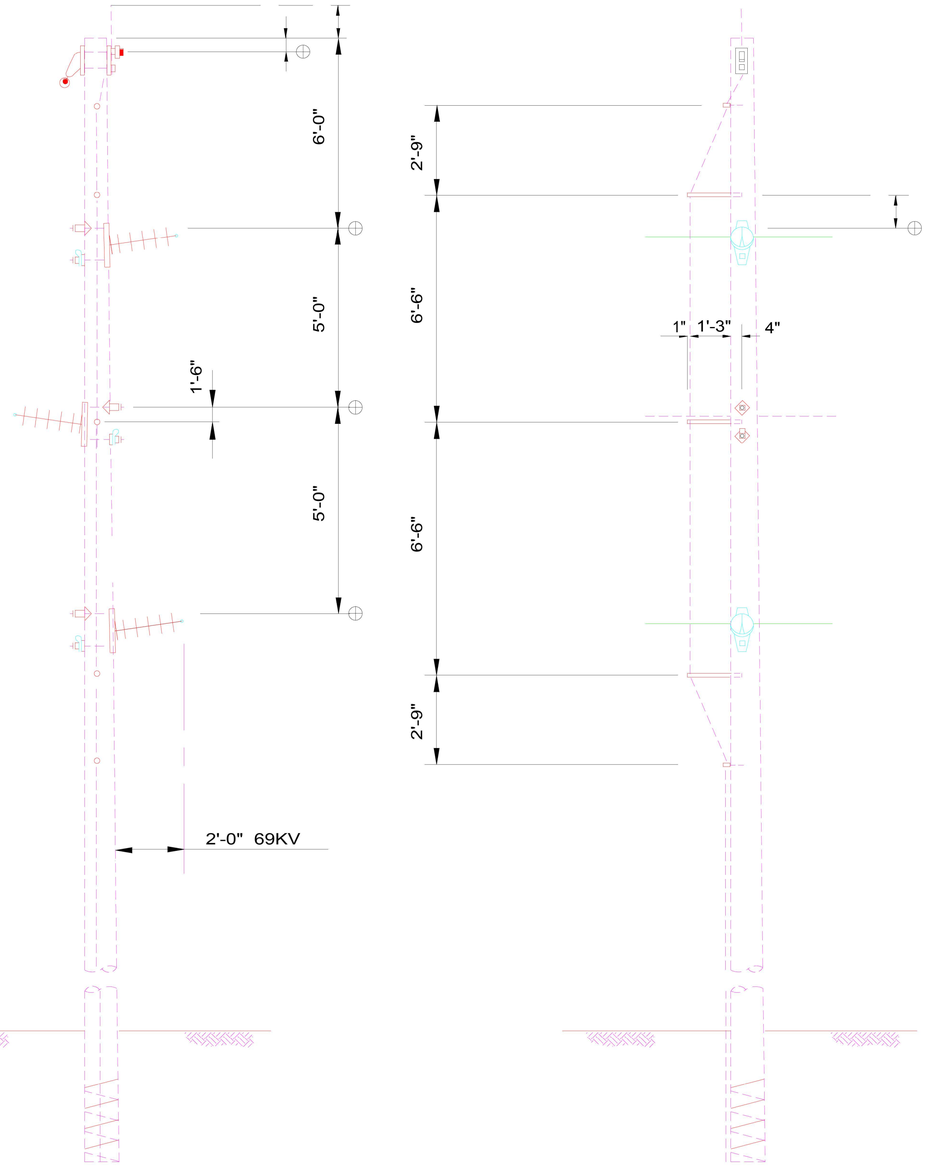
BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE
WALKING BOX SUB -
CASTLE MOUNTAIN MINE
69KV

PROJECT NO. 118907
DWG NO. 118907-PVP-0006
REV NO.
DATE 06-16-2023

PLS-CADD DRAWI



TRANSMISSION LINE STRUCTURE

TANGENT HORIZONTAL LINE POST

(69KV MAXIMUM)

TP-69G

NO.	REVISION	DATE

AUG., 1986

REISSUED 03/98

NOTE: FRAMING DRAWING OBTAIN FROM RUS++ BY RUS AND ALEXANDER PUBLICATIONS

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

DO NOT SCALE 11X17 DRAWINGS

REFERENCES		REFERENCES	
DWG. NO.	TITLE	DWG. NO.	TITLE

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

REVISIONS					
NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

SCALE:		DATE
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CHECKED BY	F.D.G.	JUN. 23
PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

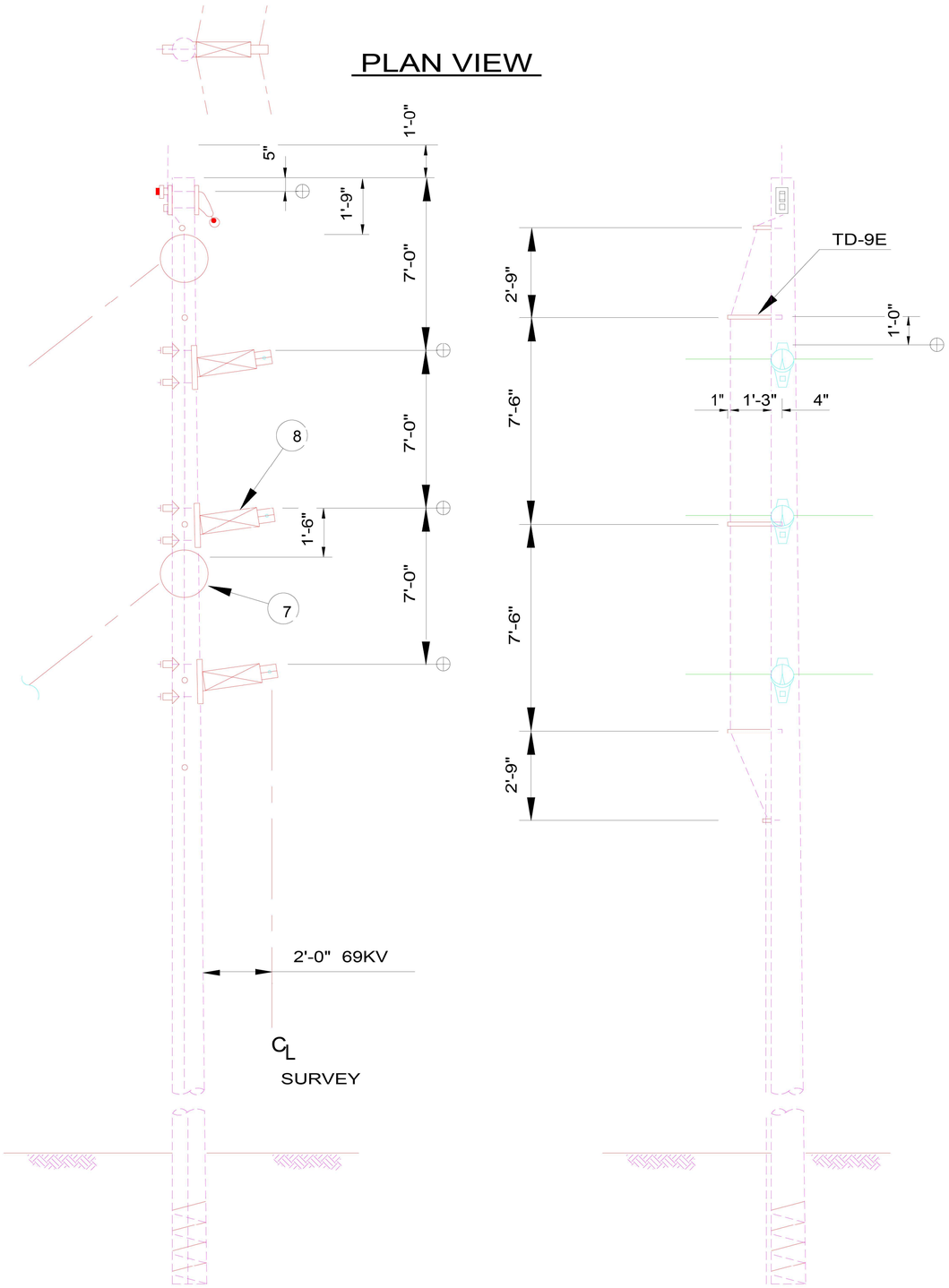
NEW POWER FEED TO MINE
WALKING BOX SUB -
CASTLE MOUNTAIN MINE
69KV

PROJECT NO. 150907
DWG NO. 150907-FMG- 001
REV NO.
DATE 06-16-2023

FILE: Z:\CLIENT\BERNRGI\UNIX\OLD\150907_CMNT\UTILITY\DEI_DESIGN\ELECTRANS\BSONPLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DXF LAST UPDATE:6/7/2023 3:47 PM BY: HDMIRANDA

PLS-CADD DRAWI

PLAN VIEW



REISSUED 03/98

NO.	REVISION	DATE

AUG., 1986

TRANSMISSION LINE STRUCTURE

SMALL ANGLE HORIZONTAL LINE POST

(69KV MAXIMUM)

TP-69GB

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

DO NOT SCALE 11X17 DRAWINGS

REFERENCES		REFERENCES		REVISIONS						REVISIONS					
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PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

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CASTLE MOUNTAIN PHASE TWO EXPANSION

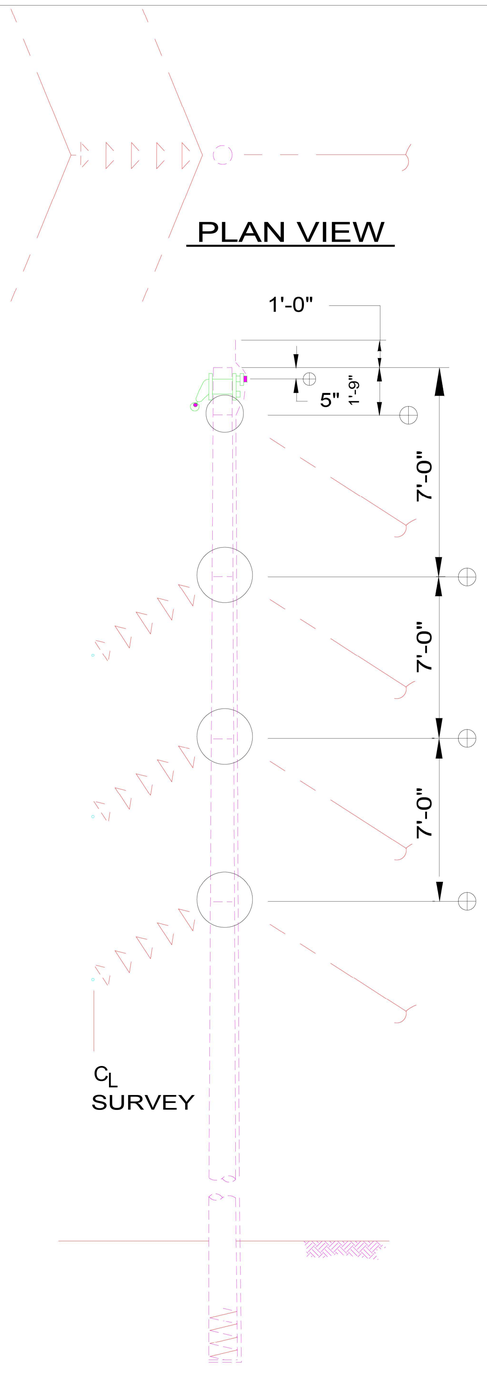
NEW POWER FEED TO MINE
WALKING BOX SUB -
CASTLE MOUNTAIN MINE
69KV

PROJECT NO. 150907
DWG NO. 150907-FMG- 002
REV NO.
DATE 06-16-2023

FILE: Z:\CLIENT\BEN\REQUINOX\GOLD\150907_CMNT\UTILITY\DEG_DESIGN\ELECTRAN\MISSION\PLS\CADD\ATTACHMENTS\CASTILE MOUNTAIN TB.DXF LAST UPDATE:6/7/2023 3:47 PM BY: HDMIRANDA

PLS-CADD DRAWI

PLAN VIEW



TS-4G

REISSUED 03/98

TRANSMISSION LINE STRUCTURE

MEDIUM AND LARGE VERTICAL ANGLES
(69KV MAXIMUM)

NO.	REVISION	DATE

AUG., 1986

TS-4G

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EQUINOXGOLD
CASTLE MOUNTAIN MINE

REFERENCES DWG. NO.	REFERENCES TITLE	REFERENCES DWG. NO.	REFERENCES TITLE

REVISIONS NO.	DESCRIPTION	BY	APP'D	DATE	CLIENT

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DRAWN BY	R.G.A.	JUN. 23
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PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

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CASTLE MOUNTAIN PHASE TWO EXPANSION

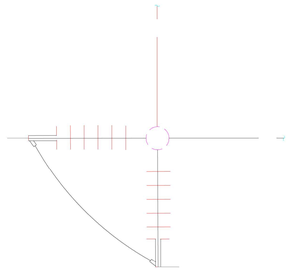
NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907

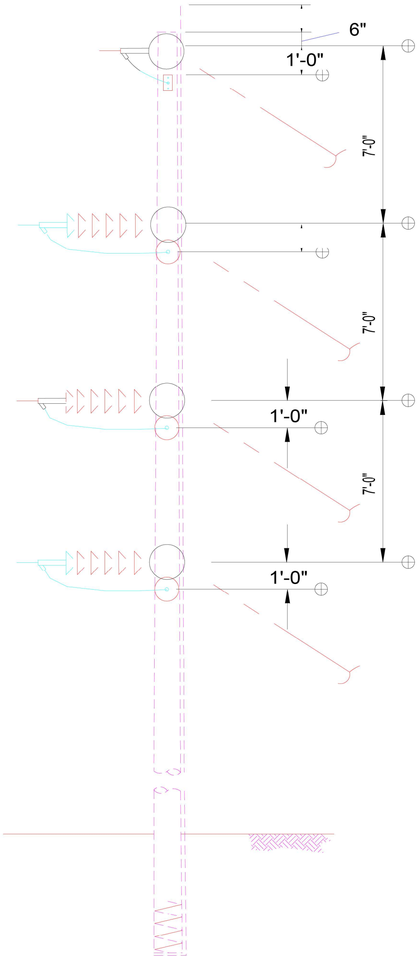
DWG NO. 150907-FMG- 003

REV NO. | DATE 06-16-2023

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PLAN VIEW



TRANSMISSION LINE STRUCTURE

EXTENSION REDUCED TENSION

(69KV MAXIMUM)

NO.	REVISION	DATE

NOTE: EXTENSION REDUCED TENSION FRAMING NOT TO BE FOUND IN RUS++. IT IS A NON-RUS STANDARD FRAMING USED FOR LOW-TENSION SLACK SPANS.

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REFERENCES		REFERENCES		REVISIONS						REVISIONS					
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CLIENT APPR.		

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CASTLE MOUNTAIN PHASE TWO EXPANSION

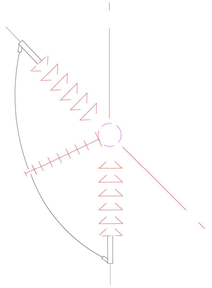
NEW POWER FEED TO MINE
WALKING BOX SUB -
CASTLE MOUNTAIN MINE
69KV

PROJECT NO. 150907
DWG NO. 150907-FMG- 004
REV NO.
DATE 06-16-2023

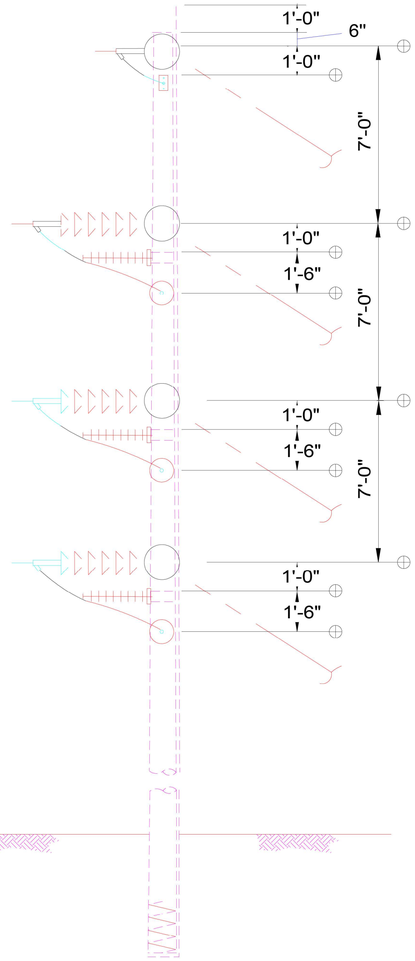
EQUINOXGOLD
CASTLE MOUNTAIN MINE

FILE: Z:\CLIENT\ENR\EQUINOXGOLD\150907_CMNTUTILTY\DEI_DESIGN\ELECTRANMISSION\PLS\CADD\ATTACHMENTS\CASTLE MOUNTAIN TB.DGF LAST UPDATE:6/7/2023 3:47 PM BY: HDMIRANDA

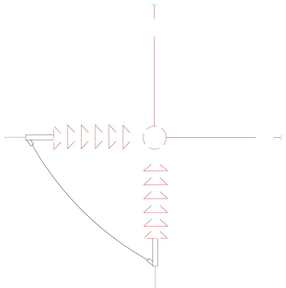
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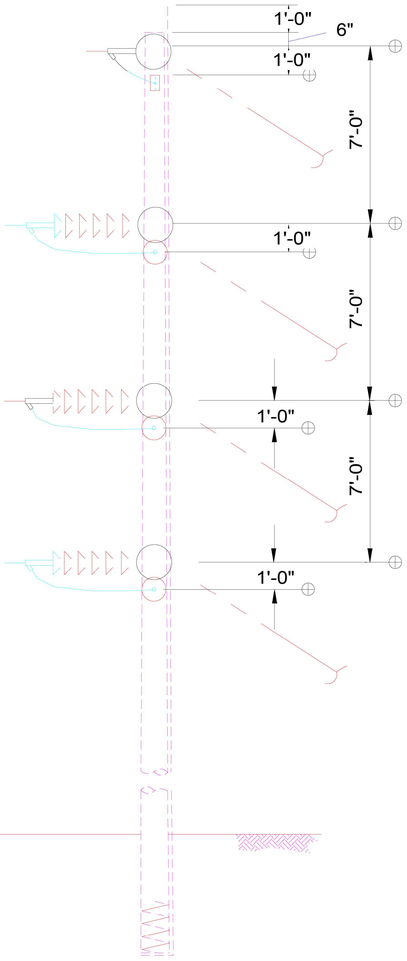
PLAN VIEW



TS-5GA



PLAN VIEW



TS-5G

REISSUED 03/98

TRANSMISSION LINE STRUCTURE

VERTICAL DOUBLE DEADEND

(69KV MAXIMUM)

NO.	REVISION	DATE
		AUG., 1986

TS-5G,5GA

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EQUINOX GOLD
CASTLE MOUNTAIN MINE

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REFERENCES		REFERENCES	
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PROJECT MGR	C.N.M.	JUN. 23
CLIENT APPR.		

BURNS McDONNELL

CASTLE MOUNTAIN PHASE TWO EXPANSION

NEW POWER FEED TO MINE WALKING BOX SUB - CASTLE MOUNTAIN MINE 69KV

PROJECT NO. 150907

DWG NO. 150907-FMG- 005

REV NO.	DATE
	06-16-2023

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