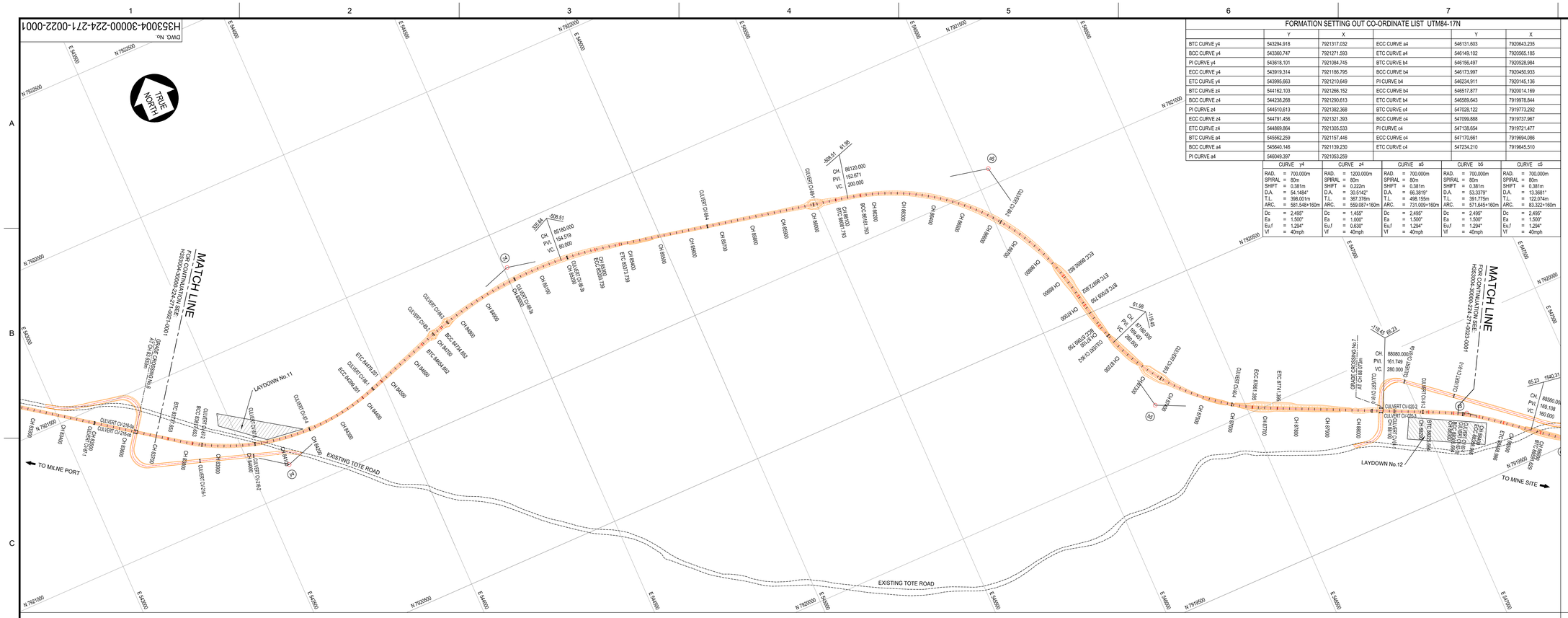
DWG. No: H353004-30000-224-271-0022-0001

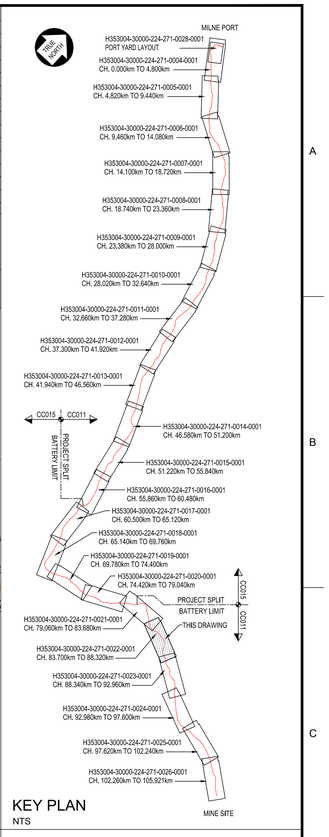


PLAN

SCALE 1:5000

FORMATION SETTING OUT CO-ORDINATE LIST UTM84-17N					
	Y	X		Y	X
BTC CURVE y4	543294.918	7921317.032	ECC CURVE a4	546131.603	7920643.235
BCC CURVE y4	543360.747	7921271.593	ETC CURVE a4	546149.102	7920565.185
PI CURVE y4	543618.101	7921084.745	BTC CURVE b4	546156.497	7920528.984
ECC CURVE y4	543919.314	7921186.795	BCC CURVE b4	546173.997	7920450.933
ETC CURVE y4	543995.663	7921210.649	PI CURVE b4	546234.911	7920145.136
BTC CURVE z4	544162.103	7921266.152	ECC CURVE b4	546517.877	7920014.169
BCC CURVE z4	544238.268	7921290.613	ETC CURVE b4	546589.643	7919978.844
PI CURVE z4	544510.613	7921382.368	BTC CURVE c4	547028.122	7919773.292
ECC CURVE z4	544791.456	7921321.393	BCC CURVE c4	547099.888	7919737.967
ETC CURVE z4	544869.864	7921305.533	PI CURVE c4	547138.654	7919721.477
BTC CURVE a4	545562.259	7921157.446	ECC CURVE c4	547170.661	7919694.086
BCC CURVE a4	545640.146	7921139.230	ETC CURVE c4	547234.210	7919645.510
PI CURVE a4	546049.397	7921053.259			

CURVE y4	CURVE z4	CURVE a5	CURVE b5	CURVE c5
RAD. = 700.000m	RAD. = 1200.000m	RAD. = 700.000m	RAD. = 700.000m	RAD. = 700.000m
SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m
SHIFT = 0.381m	SHIFT = 0.222m	SHIFT = 0.381m	SHIFT = 0.381m	SHIFT = 0.381m
D.A. = 54.1484°	D.A. = 30.5142°	D.A. = 66.3919°	D.A. = 53.3370°	D.A. = 13.3981°
T.L. = 398.001m	T.L. = 367.376m	T.L. = 498.155m	T.L. = 391.775m	T.L. = 122.074m
ARC. = 581.548+160m	ARC. = 559.087+160m	ARC. = 731.009+160m	ARC. = 571.645+160m	ARC. = 83.322+160m
Dc = 2.495°	Dc = 1.455°	Dc = 2.495°	Dc = 2.495°	Dc = 2.495°
Ea = 1.500"	Ea = 1.000"	Ea = 1.500"	Ea = 1.500"	Ea = 1.500"
Eu,f = 1.294"	Eu,f = 0.630"	Eu,f = 1.294"	Eu,f = 1.294"	Eu,f = 1.294"
Vf = 40mph	Vf = 40mph	Vf = 40mph	Vf = 40mph	Vf = 40mph



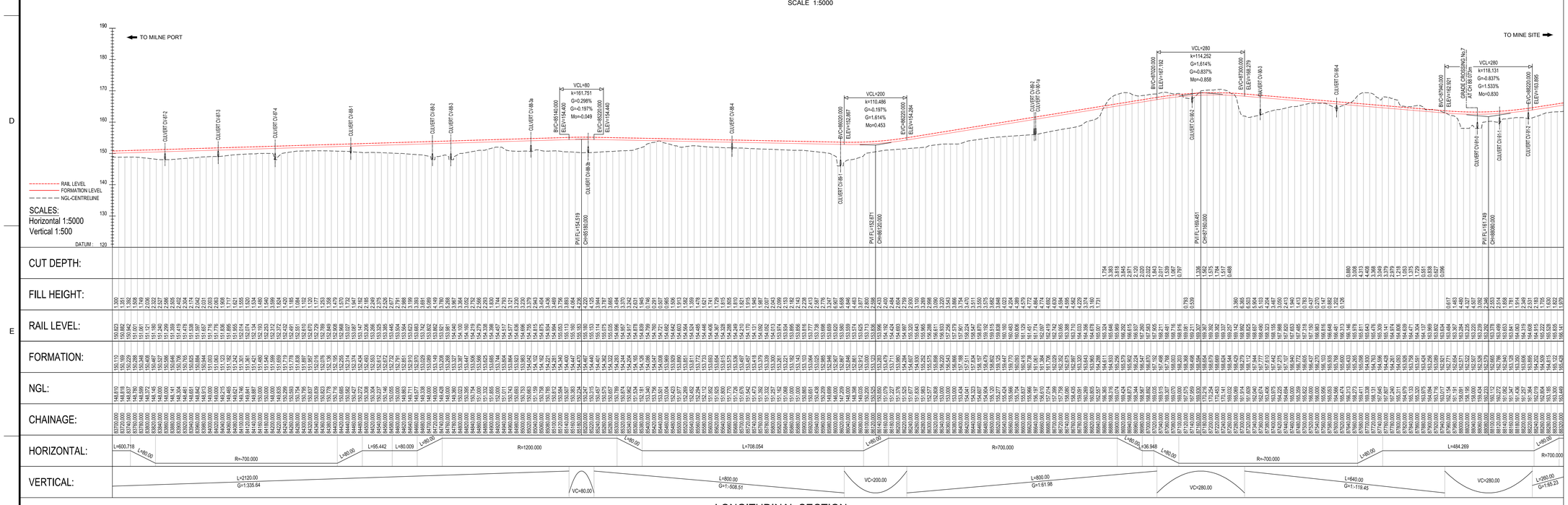
KEY PLAN

NTS

LEGEND :

NOTE :

1. EARTHWORKS FOOTPRINT DOES NOT INDICATE EXTENT OF FORMATION WIDENING AROUND CURVES WHERE APPLICABLE （REFER TO TYPICAL DRAWINGS）.
2. START / END DEVIATION REFER TO RAIL ALIGNMENT EXTENDING BEYOND EXISTING PERMITTING AREA BOUNDARIES.
3. CO-ORDINATE SYSTEM: WGS 1984 UTM, ZONE 17 NORTH, METER
4. ALL DIMENSIONS SHOWN ARE IN METERS, UNLESS OTHERWISE SPECIFIED.
5. THIS DRAWING WAS PREVIOUSLY ISSUED AS: H353004-00000-224-272-0022 -0001
6. FORMATION = TOP OF SUBGRADE.
7. CURVE DATA BELOW THE LINE IS IN IMPERIAL UNITS (IU).



LONGITUDINAL SECTION

DRAWING No.	DRAWING TITLE
H353004-35000-224-292-2010-0001	LAYOUT SKETCH RAIL LAYDOWN 10
H353004-35000-232-272-0003-0001	BRIDGE GENERAL LAYOUT
H353004-30000-224-271-0023-0001	PLAN AND LONGITUDINAL SECTION - CH. 88+340 TO CH. 92+960
H353004-30000-224-271-0021-0001	PLAN AND LONGITUDINAL SECTION - CH. 79+060 TO CH. 83+680

REFERENCE DRAWINGS

REG. PROFESSIONAL

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No.	DESCRIPTION	BY	CHK'D	DATE
1	ALIGNMENT ALTERED.	AJVN		2021/01/15
0	APPROVED FOR CONSTRUCTION.	AJVN		2019/03/26

REVISIONS

HATCH

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	A VAN NIEKERK	NR	2017/01/24
DESIGNER	A VAN NIEKERK	NR	2017/01/07
CHECKER	G JOHNSTONE		.
DESIGN COORD.	G JOHNSTONE		.
RESP. ENG.	R HALIM		.
LEAD DISC. ENG.	F VAN BILJON		.
AREA LEAD	F VAN BILJON		.
ENG. MANAGER	F VAN BILJON		.
AREA MANAGER	F PITTMAN		.

DRAWING APPROVAL STATUS: Approved for Construction

Baffinland

BAFFINLAND IRON MINES LP
MARY RIVER PROJECT

RAIL SITE
PLAN AND LONGITUDINAL SECTION
CH. 83+700 TO CH. 88+320

SCALE	DWG. No.	REV.
1:5,000 OR AS NOTED	H353004-30000-224-271-0022-0001	1

SHEET SIZE: A0

PERMIT TO PRACTICE
HATCH LTD.
Signature
Date
PERMIT NUMBER: P 512
The Association of Professional Engineers, Geologists and Geophysicists of NWT/NU

$USERNAME
$DATE
$TIME
$FILES