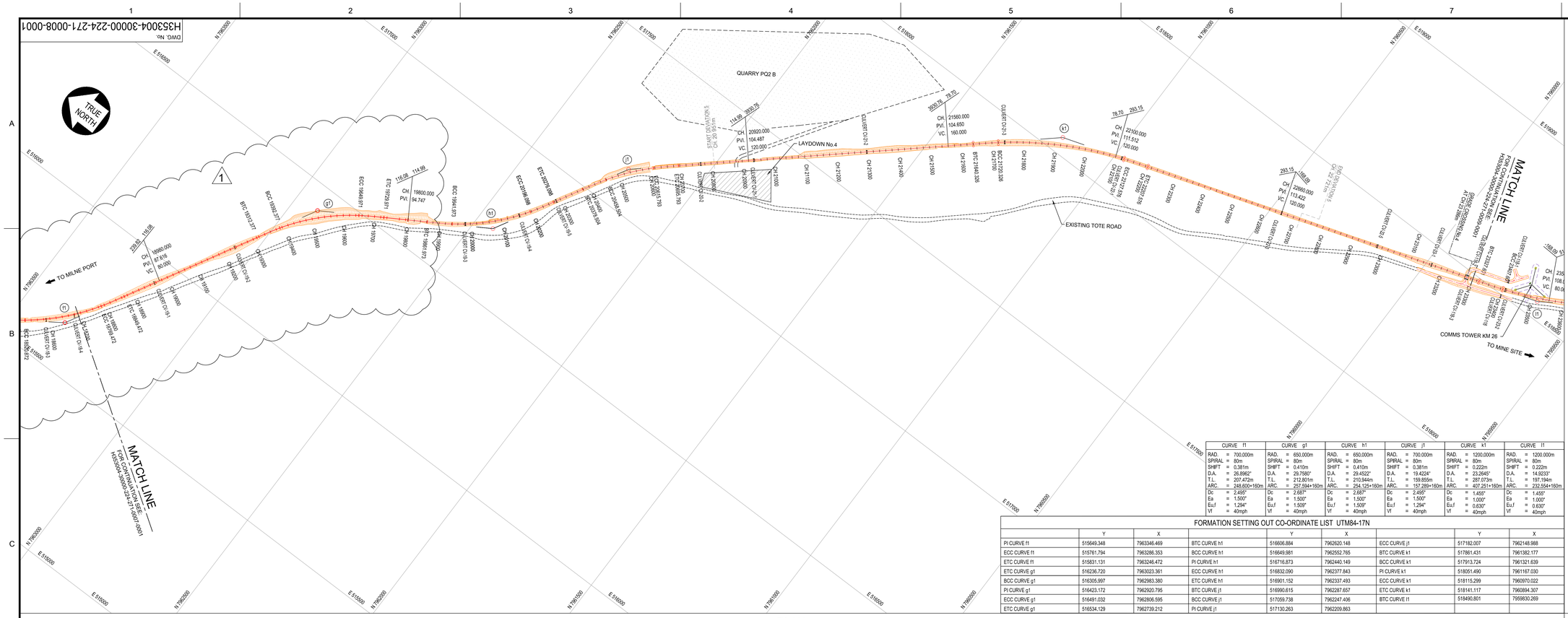
DWG. No. H353004-30000-224-271-0008-0001

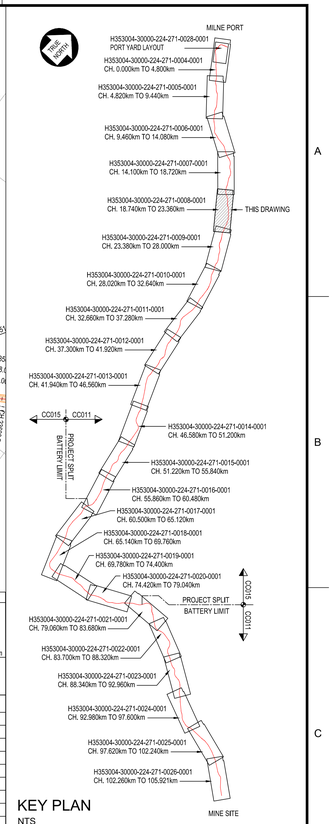


CURVE f1	CURVE g1	CURVE h1	CURVE j1	CURVE k1	CURVE l1
RAD. = 700.000m	RAD. = 650.000m	RAD. = 650.000m	RAD. = 700.000m	RAD. = 1200.000m	RAD. = 1200.000m
SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m
SHIFT = 0.381m	SHIFT = 0.410m	SHIFT = 0.410m	SHIFT = 0.381m	SHIFT = 0.222m	SHIFT = 0.222m
D.A. = 26.8962°	D.A. = 29.7580°	D.A. = 29.4522°	D.A. = 19.4224°	D.A. = 23.2945°	D.A. = 14.9233°
T.L. = 207.472m	T.L. = 212.801m	T.L. = 210.944m	T.L. = 159.855m	T.L. = 287.073m	T.L. = 197.194m
ARC. = 248.600+160m	ARC. = 257.594+160m	ARC. = 254.125+160m	ARC. = 157.289+160m	ARC. = 407.251+160m	ARC. = 232.554+160m
Dc = 2.495°	Dc = 2.687°	Dc = 2.687°	Dc = 2.495°	Dc = 1.455°	Dc = 1.455°
Ea = 1.500°	Ea = 1.500°	Ea = 1.500°	Ea = 1.500°	Ea = 1.000°	Ea = 1.000°
Eu,f = 1.294°	Eu,f = 1.509°	Eu,f = 1.509°	Eu,f = 1.294°	Eu,f = 0.630°	Eu,f = 0.630°
Vf = 40mph	Vf = 40mph	Vf = 40mph	Vf = 40mph	Vf = 40mph	Vf = 40mph

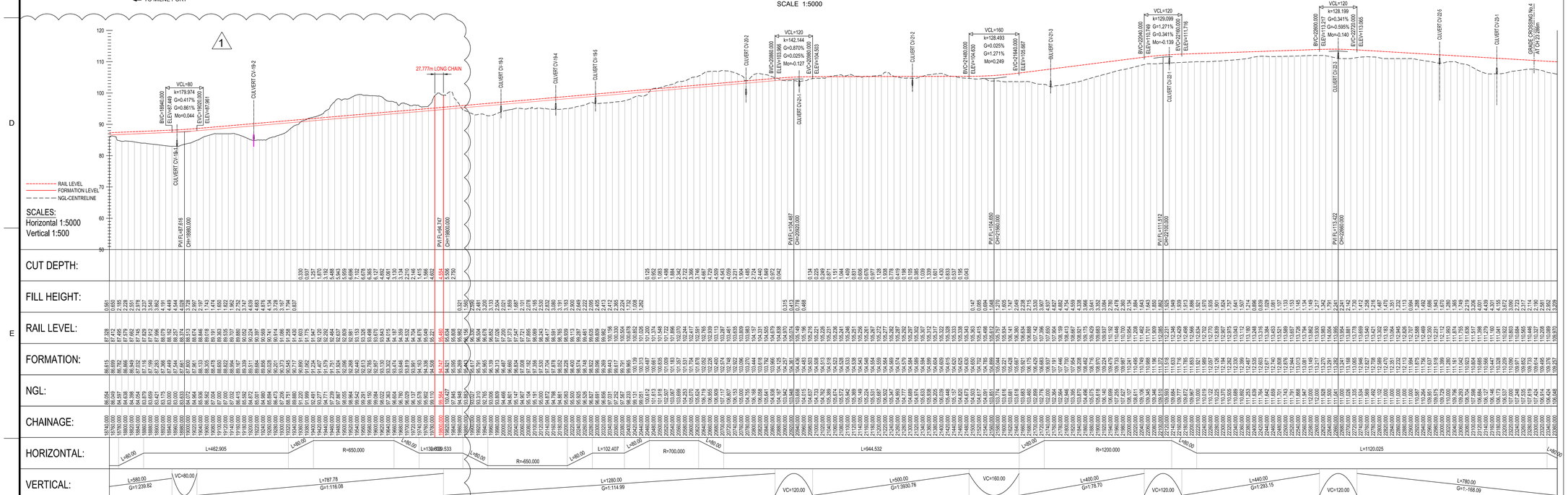
FORMATION SETTING OUT CO-ORDINATE LIST UTM84-17N

	Y	X		Y	X		Y	X
PI CURVE f1	515649.348	7963346.469	BTC CURVE h1	516606.884	7962620.148	ECC CURVE j1	517182.007	7962148.988
ECC CURVE f1	515761.794	7963286.353	BCC CURVE h1	516649.981	7962552.765	BTC CURVE k1	517861.431	7961382.177
ETC CURVE f1	515831.131	7963246.472	PI CURVE h1	516716.873	7962440.149	BCC CURVE k1	517913.724	7961321.639
ETC CURVE g1	516236.720	7963023.361	ECC CURVE h1	516832.090	7962377.843	PI CURVE k1	518051.490	7961167.030
BCC CURVE g1	516305.997	7962983.380	ETC CURVE h1	516901.152	7962337.493	ECC CURVE k1	518115.299	7960970.022
PI CURVE g1	516423.172	7962920.795	BTC CURVE j1	516990.615	7962287.657	ETC CURVE k1	518141.117	7960894.307
ECC CURVE g1	516491.032	7962806.595	BCC CURVE j1	517059.738	7962247.406	BTC CURVE l1	518490.801	7959830.269
ETC CURVE g1	516534.129	7962739.212	PI CURVE j1	517130.263	7962209.863			

PLAN
SCALE 1:5000



KEY PLAN
NTS



LONGITUDINAL SECTION

LEGEND :

= APPROVED WATER SOURCES

= MASSIVE ICE FORMATION

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: H353004-00000-224-272-00:08 -0001
6. FORMATION = TOP OF SUBGRADE.
7. CURVE DATA BELOW THE LINE IS IN IMPERIAL UNITS (IU).

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

DRAWING No.	DRAWING TITLE
H353004-30000-224-271-0009-0001	PLAN AND LONGITUDINAL SECTION - CH. 23+380 TO CH. 28+000
H353004-30000-224-271-0007-0001	PLAN AND LONGITUDINAL SECTION - CH. 14+100 TO CH. 18+720

REFERENCE DRAWINGS

REG. PROFESSIONAL

APPROVED FOR CONSTRUCTION

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No.	DESCRIPTION	BY	CHK'D	DATE
1	ALIGNMENT ALTERED (18320 TO 19800m) AND KEY PLAN UPDATED.	AJVN		2021/01/19
0	APPROVED FOR CONSTRUCTION	AJVN		2019/03/22

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. 18+740 TO CH. 23+360

SCALE 1:5,000 OR AS NOTED
DWG. No. H353004-30000-224-271-0008-0001
REV. 1
SHEET SIZE: A0

SIGNATURES $TIMES
SCALES
SFILES