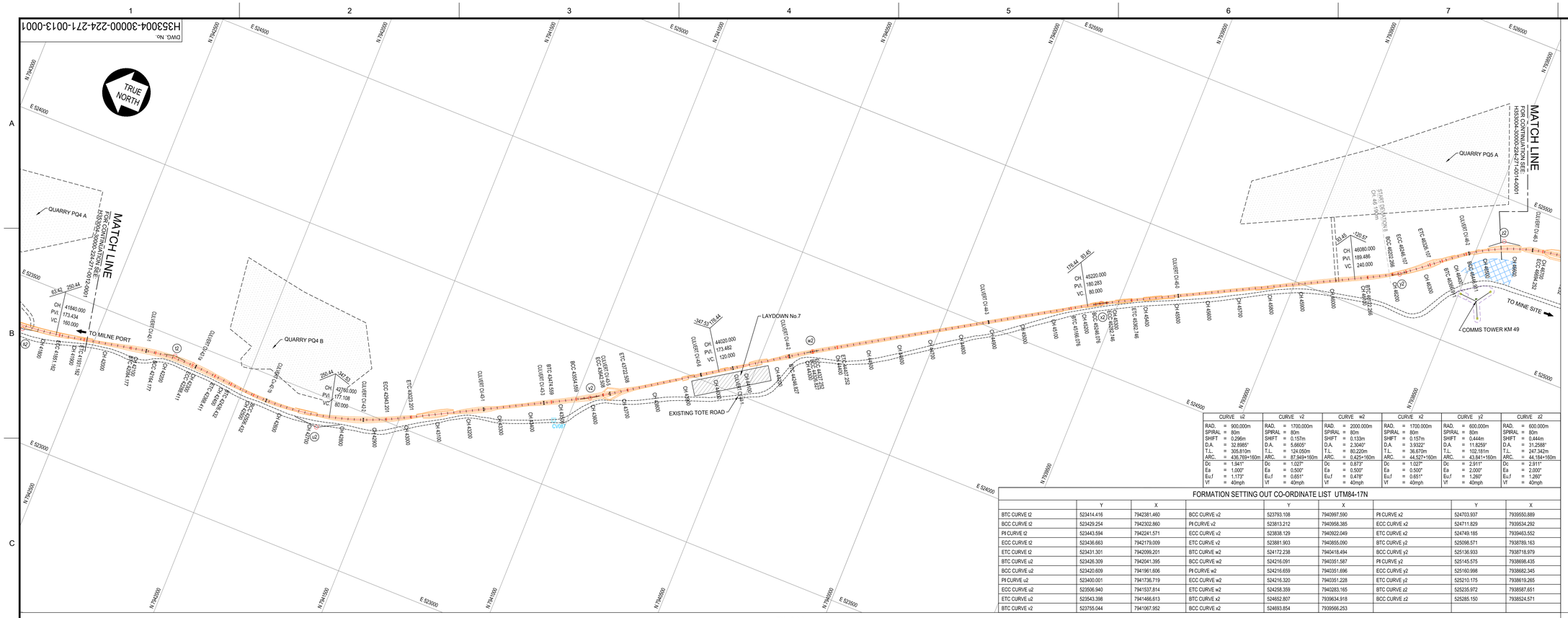
DWG. No. H353004-30000-224-271-0013-0001

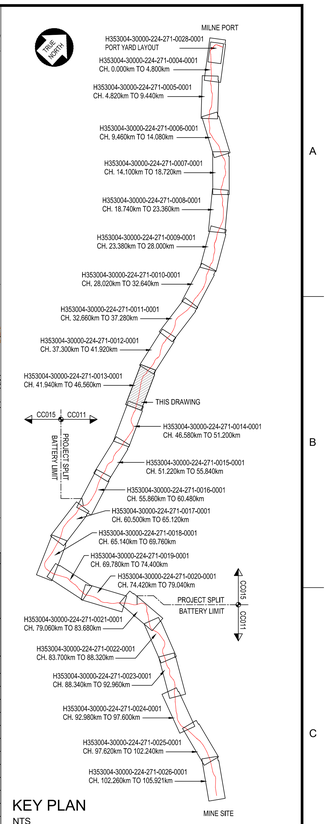


CURVE u2	CURVE v2	CURVE w2	CURVE x2	CURVE y2	CURVE z2
RAD. = 900.000m	RAD. = 1700.000m	RAD. = 2000.000m	RAD. = 1700.000m	RAD. = 800.000m	RAD. = 800.000m
SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m
SHIFT = 0.296m	SHIFT = 0.157m	SHIFT = 0.133m	SHIFT = 0.157m	SHIFT = 0.444m	SHIFT = 0.444m
D.A. = 32.8985°	D.A. = 5.6605°	D.A. = 2.3040°	D.A. = 3.9322°	D.A. = 11.8250°	D.A. = 31.2598°
T.L. = 305.810m	T.L. = 124.050m	T.L. = 80.220m	T.L. = 36.670m	T.L. = 102.181m	T.L. = 247.342m
ARC. = 436.769+160m	ARC. = 87.949+160m	ARC. = 0.425+160m	ARC. = 44.527+160m	ARC. = 43.841+160m	ARC. = 44.194+160m
Dc = 1.841°	Dc = 1.027°	Dc = 0.873°	Dc = 1.027°	Dc = 2.911°	Dc = 2.911°
Ea = 1.000°	Ea = 0.500°	Ea = 0.500°	Ea = 0.500°	Ea = 2.000°	Ea = 2.000°
Eu,f = 1.173°	Eu,f = 0.651°	Eu,f = 0.476°	Eu,f = 0.651°	Eu,f = 1.260°	Eu,f = 1.260°
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
BTC CURVE t2	523414.416	7942381.460	BCC CURVE v2	523793.108	7940997.590	PI CURVE x2	524703.937	7939550.889
BCC CURVE t2	523429.254	7942302.860	PI CURVE v2	523813.212	7940958.385	ECC CURVE x2	524711.829	7939534.292
PI CURVE t2	523443.594	7942241.571	ECC CURVE v2	523838.129	7940922.049	ETC CURVE x2	524749.185	7939463.552
ECC CURVE t2	523436.663	7942179.009	ETC CURVE v2	523881.903	7940855.090	BTC CURVE y2	525098.571	7938789.163
ETC CURVE t2	523431.301	7942099.201	BTC CURVE w2	524172.238	7940418.494	BCC CURVE y2	525136.933	7938718.979
BTC CURVE u2	523426.309	7942041.395	BCC CURVE w2	524216.091	7940351.587	PI CURVE y2	525145.575	7938698.435
BCC CURVE u2	523420.609	7941961.606	PI CURVE w2	524216.659	7940351.696	ECC CURVE y2	525160.998	7938682.345
PI CURVE u2	523400.001	7941736.719	ECC CURVE w2	524216.320	7940351.228	ETC CURVE y2	525210.175	7938619.265
ECC CURVE u2	523506.940	7941537.814	ETC CURVE w2	524258.359	7940283.165	BTC CURVE z2	525235.972	7938587.651
ETC CURVE u2	523543.398	7941466.613	BTC CURVE x2	524652.807	7939634.918	BCC CURVE z2	525285.150	7938524.571
BTC CURVE v2	523755.044	7941067.952	BCC CURVE x2	524693.854	7939566.253			

PLAN
SCALE 1:5000



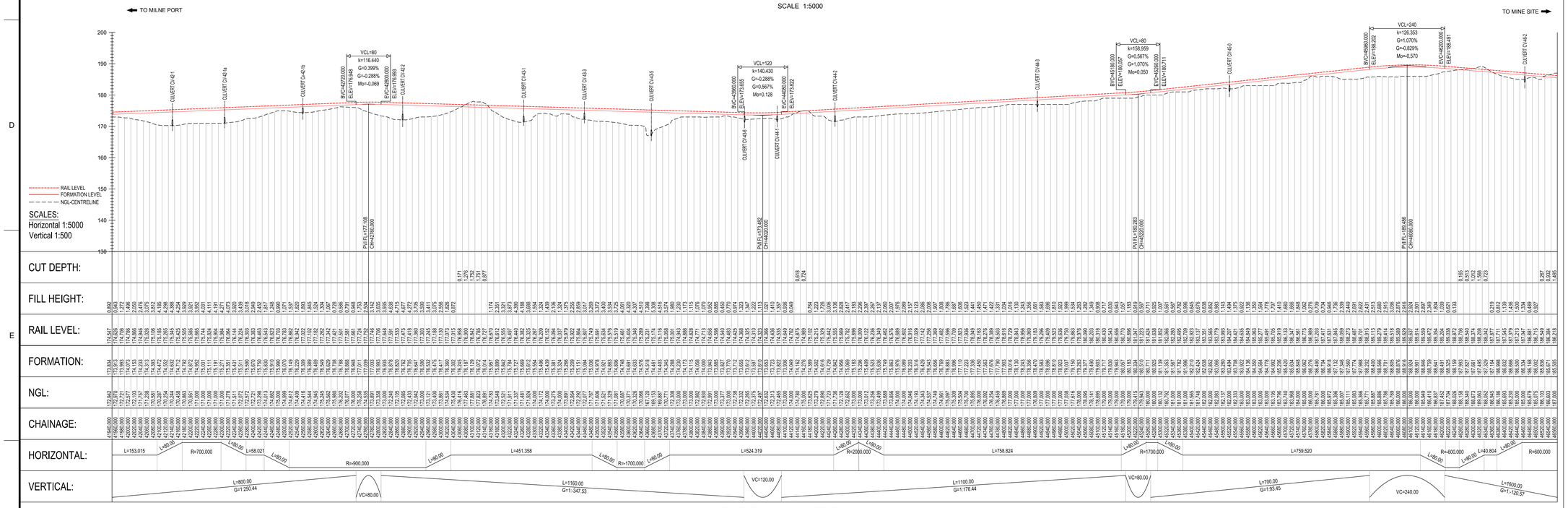
KEY PLAN
NTS

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: H353004-00000-224-272-0013-0001
6. FORMATION = TOP OF SUBGRADE.
7. CURVE DATA BELOW THE LINE IS IN IMPERIAL UNITS (IU).



LONGITUDINAL SECTION

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
H353004-30000-224-271-0014-0001	PLAN AND LONGITUDINAL SECTION - CH. 46+580 TO CH. 51+200
H353004-30000-224-271-0012-0001	PLAN AND LONGITUDINAL SECTION - CH. 37+300 TO CH. 41+920

REFERENCE DRAWINGS

REG. PROFESSIONAL

APPROVED FOR CONSTRUCTION

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No.	DESCRIPTION	BY	CHK'D	DATE
1	KEY PLAN UPDATED.	AJVN		2021/01/19
0	APPROVED FOR CONSTRUCTION	AJVN		2019/03/25

REVISIONS

HATCH

ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	A VAN NIEKERK	NR	2017/01/24
DESIGNER	A VAN NIEKERK	NR	2017/10/07
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 PITMANN		.

DRAWING APPROVAL STATUS: Approved for Construction

Baffinland

BAFFINLAND IRON MINES LP
MARY RIVER PROJECT

RAIL SITE
PLAN AND LONGITUDINAL SECTION
CH. 41+940 TO CH. 46+560

SCALE 1:5,000 OR AS NOTED | DWG. No. H353004-30000-224-271-0013-0001 | REV. 1

SHEET SIZE: A0

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