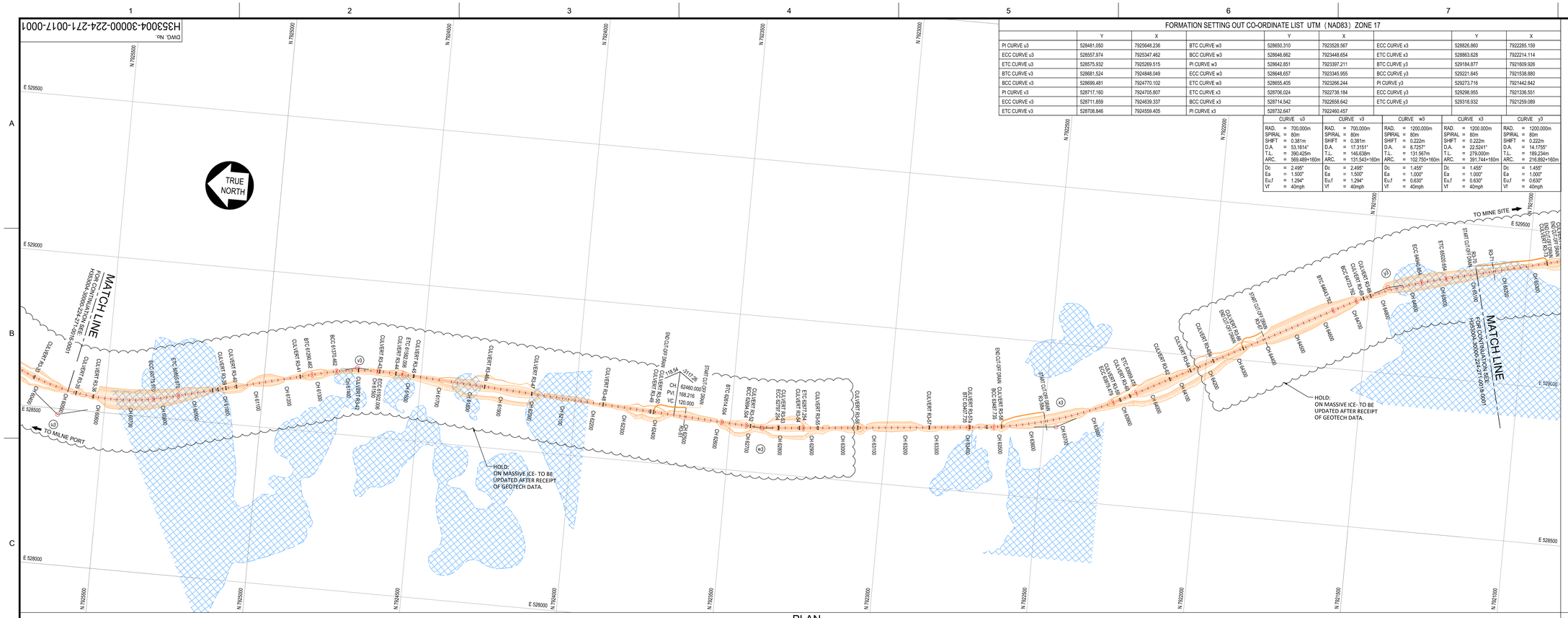
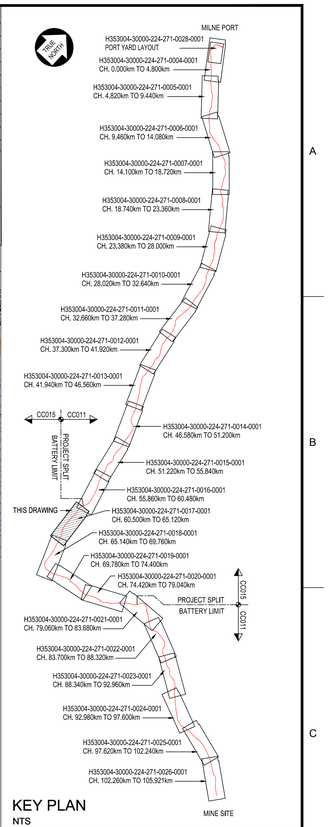
DWG. No. H353004-30000-224-271-0017-0001

FORMATION SETTING OUT CO-ORDINATE LIST UTM (NAD83) ZONE 17											
	Y	X		Y	X		Y	X		Y	X
PI CURVE u3	528481.050	7925648.236	BTC CURVE w3	528650.310	7923528.567	ECC CURVE x3	528826.860	7922285.159			
ECC CURVE u3	528557.974	7925347.462	BCC CURVE w3	528646.662	7923448.654	ETC CURVE x3	528863.628	7922214.114			
ETC CURVE u3	528575.932	7925269.515	PI CURVE w3	528642.851	7923397.211	BTC CURVE y3	529184.877	7921609.926			
BTC CURVE v3	528681.524	7924848.049	ECC CURVE w3	528648.657	7923345.955	BCC CURVE y3	529221.645	7921538.880			
BCC CURVE v3	528699.481	7924770.102	ETC CURVE w3	528655.405	7923266.244	PI CURVE y3	529273.716	7921442.642			
PI CURVE v3	528717.160	7924705.807	ETC CURVE x3	528706.024	7922738.184	ECC CURVE y3	529298.955	7921336.551			
ECC CURVE v3	528711.859	7924639.337	BCC CURVE x3	528714.542	7922658.642	ETC CURVE y3	529318.932	7921259.089			
ETC CURVE v3	528708.846	7924559.405	PI CURVE x3	528732.647	7922460.457						

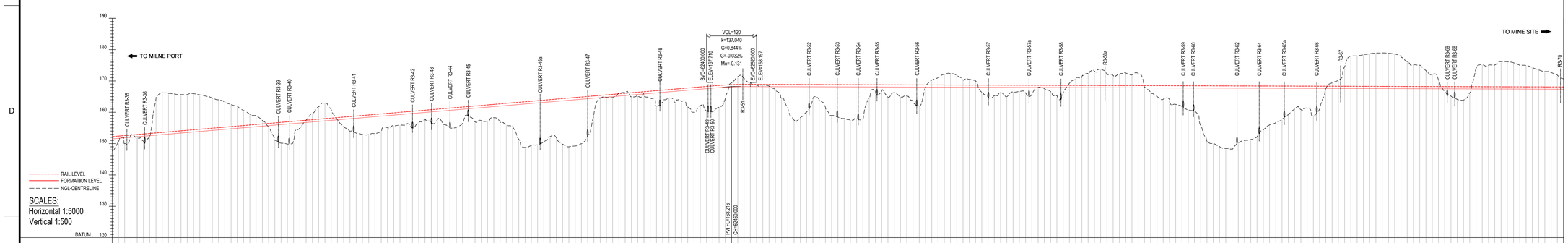
CURVE u3	CURVE v3	CURVE w3	CURVE x3	CURVE y3
RAD. = 700.000m	RAD. = 700.000m	RAD. = 1200.000m	RAD. = 1200.000m	RAD. = 1200.000m
SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 80m	SPIRAL = 0.222m	SPIRAL = 80m
SHIFT = 0.381m	SHIFT = 0.381m	SHIFT = 0.222m	SHIFT = 0.222m	SHIFT = 0.222m
D.A. = 53.1614°	D.A. = 17.3151°	D.A. = 8.7257°	D.A. = 22.5241°	D.A. = 14.1755°
T.L. = 390.425m	T.L. = 146.638m	T.L. = 131.967m	T.L. = 279.000m	T.L. = 189.234m
ARC. = 569.489+160m	ARC. = 131.543+160m	ARC. = 102.750+160m	ARC. = 391.744+160m	ARC. = 216.892+160m
Dc = 2.495°	Dc = 2.495°	Dc = 1.455°	Dc = 1.455°	Dc = 1.455°
Ea = 1.500°	Ea = 1.500°	Ea = 1.000°	Ea = 1.000°	Ea = 1.000°
Eu,f = 1.294°	Eu,f = 1.294°	Eu,f = 0.630°	Eu,f = 0.630°	Eu,f = 0.630°
Vf = 40mph	Vf = 40mph	Vf = 40mph	Vf = 40mph	Vf = 40mph



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: UTM (NAD83) ZONE 17, NORTH, METER.
4. ALL DIMENSIONS SHOWN ARE IN METERS, UNLESS OTHERWISE SPECIFIED.
5. THIS DRAWING WAS PREVIOUSLY ISSUED AS: H353004-00000-224-272-0017 -0001
6. FORMATION = TOP OF SUBGRADE.
7. CURVE DATA BELOW THE LINE IS IN IMPERIAL UNITS (IU).

PERMIT TO PRACTICE
HATCH LTD.
Signature
Date 2021-08-01
PERMIT NUMBER: P 512
The Association of Professional Engineers, Geologists and Geophysicists of NWT/NU

DRAWING No.	DRAWING TITLE
H353004-30000-224-271-0018-0001	LINE PLAN AND LONGITUDINAL SECTION - CH. 65+140 TO CH. 69+760
H353004-30000-224-271-0016-0001	LINE PLAN AND LONGITUDINAL SECTION - CH. 55+860 TO CH. 60+480

REFERENCE DRAWINGS

REGISTERED PROFESSIONAL ENGINEER C.H. CHAN NT/NU

REG. PROFESSIONAL

APPROVED FOR CONSTRUCTION

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No.	DESCRIPTION	BY	CHK'D	DATE
1	ALIGNMENT ALTERED.	AJVN		2021/01/05
0	APPROVED FOR CONSTRUCTION.	AJVN		2019/03/26

REVISIONS

HATCH

DRAWING APPROVAL STATUS: Approved for Construction			
ROLE	NAME	SIGNATURE	DATE
DRAFTSPERSON	A VAN NIEKERK	NR	2017/01/24
DESIGNER	A VAN NIEKERK	NR	2017/01/07
CHECKER	C CHAN		2021/09/02
DESIGN COORD.	L NGWENYA		2021/08/30
RESP. ENG.	R HALIM		2021-09-01
LEAD DISC. ENG.	F VAN BILJON		2021/08/30
AREA LEAD	L NGWENYA		2021/08/30
ENG. MANAGER	F VAN BILJON		2021/08/30
AREA MANAGER	F PITTMAN	Fay Pittman	

Baffinland

BAFFINLAND IRON MINES LP
MARY RIVER PROJECT

RAIL SITE
PLAN AND LONGITUDINAL SECTION
CH. 60+500 TO CH. 65+120

SCALE 1:5,000 OR AS NOTED | DWG. No. H353004-30000-224-271-0017-0001 | REV. 1
SHEET SIZE: A0

SUBNAMES $TIMES
SUBREFS
SPFILES