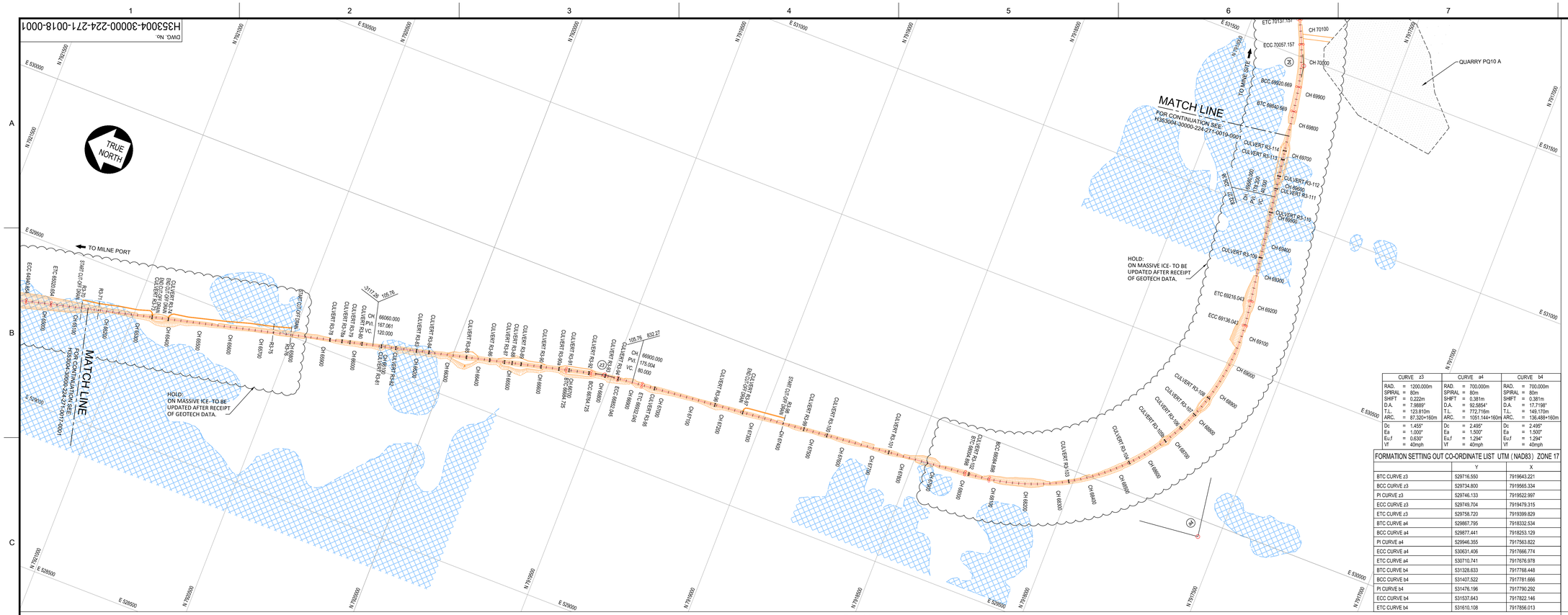
DWG. No. H353004-30000-224-271-0018-0001

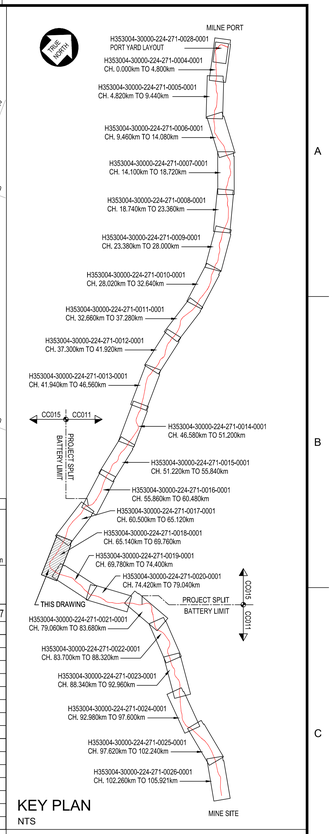


CURVE z3		CURVE a4		CURVE b4	
RAD.	= 1200.000m	RAD.	= 700.000m	RAD.	= 700.000m
SPIRAL	= 80m	SPIRAL	= 80m	SPIRAL	= 80m
SHIFT	= 0.222m	SHIFT	= 0.381m	SHIFT	= 0.381m
D.A.	= 7.9689°	D.A.	= 92.5654°	D.A.	= 17.7156°
T.L.	= 123.810m	T.L.	= 772.716m	T.L.	= 149.170m
ARC.	= 87.320+160m	ARC.	= 1051.144+160m	ARC.	= 136.488+160m
Dc	= 1.455°	Dc	= 2.495°	Dc	= 2.495°
Ea	= 1.000°	Ea	= 1.500°	Ea	= 1.500°
Eu,f	= 0.630°	Eu,f	= 1.294°	Eu,f	= 1.294°
Vf	= 42mph	Vf	= 40mph	Vf	= 40mph

FORMATION SETTING OUT CO-ORDINATE LIST UTM (NAD83) ZONE 17

	Y	X
BTC CURVE z3	529716.550	7919643.221
BCC CURVE z3	529734.800	7919565.334
PI CURVE z3	529746.133	7919522.997
ECC CURVE z3	529749.704	7919479.315
ETC CURVE z3	529758.720	7919399.829
BTC CURVE a4	529867.795	7918332.534
BCC CURVE a4	529877.441	7918253.129
PI CURVE a4	529946.355	7917563.822
ECC CURVE a4	530631.406	7917666.774
ETC CURVE a4	530710.741	7917676.978
BTC CURVE b4	531328.633	7917768.448
BCC CURVE b4	531407.522	7917781.666
PI CURVE b4	531476.196	7917790.292
ECC CURVE b4	531537.643	7917822.146
ETC CURVE b4	531610.108	7917856.013

PLAN
SCALE 1:5000



KEY PLAN
NTS

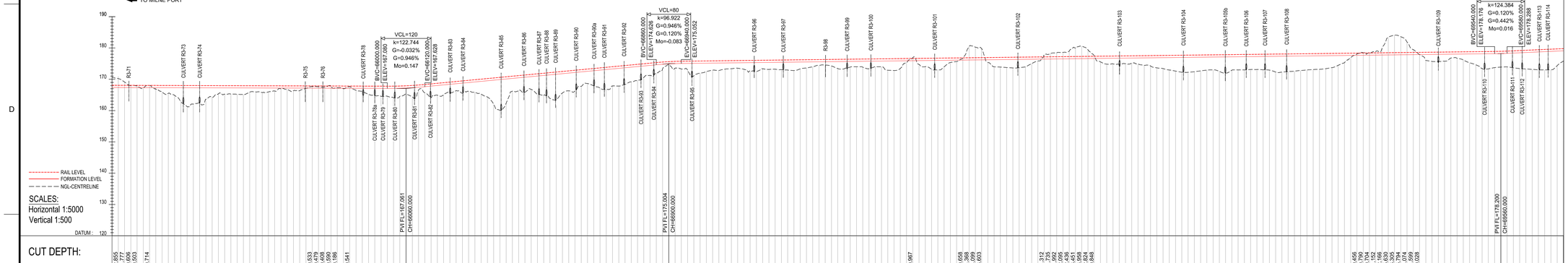
LEGEND :

= 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: UTM (NAD83) ZONE 17, NORTH, METER.
4. ALL DIMENSIONS SHOWN ARE IN METERS, UNLESS OTHERWISE SPECIFIED.
5. THIS DRAWING WAS PREVIOUSLY ISSUED AS: H353004-00000-224-272-0018 -0001
6. FORMATION = TOP OF SUBGRADE.
7. CURVE DATA BELOW THE LINE IS IN IMPERIAL UNITS (IU).



CUT DEPTH: 2.855, 1.777, 0.969, 0.503, 0.714, 0.280, 0.465, 0.555, 1.791, 3.585, 5.904, 1.903, 2.035, 1.348, 1.280, 1.280, 1.269, 0.927, 0.452, 0.401, 0.401, 0.780, 0.036, 0.533, 0.479, 0.416, 0.590, 0.186, 0.541, 0.152, 1.847, 2.516, 2.561, 2.463, 2.464, 1.951, 1.352, 0.878, 0.613, 0.583, 3.078, 3.203, 3.077, 3.340, 3.074, 4.064, 5.176, 5.739, 6.236, 4.095, 4.112, 4.010, 4.064, 4.112, 7.484, 7.852, 8.158, 5.667, 5.667, 5.696, 5.433, 5.566, 5.648, 4.675, 4.648, 4.960, 3.944, 3.944, 3.944, 1.489, 0.432, 0.432, 0.432, 1.052, 1.076, 1.837, 2.251, 2.276, 2.276, 2.276