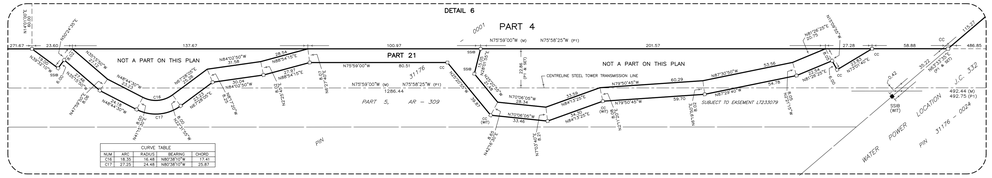
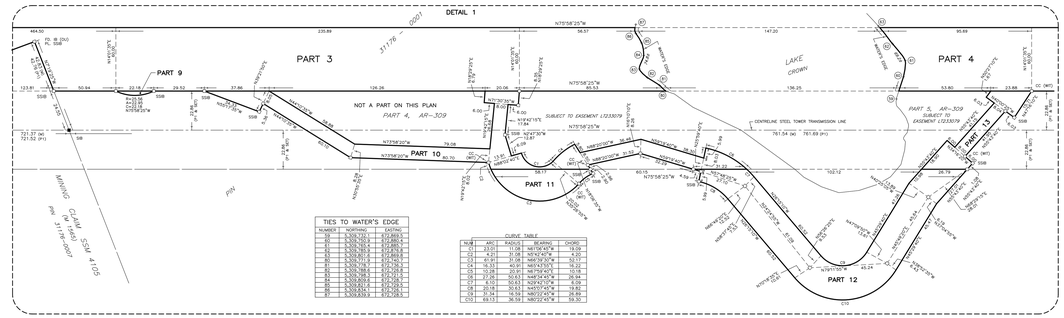
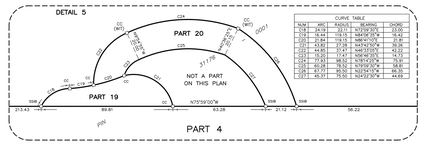


CURVE TABLE				
NUM	ARC	RADIUS	BEARING	CHORD
C16	18.35	16.00	N85°26'30"W	17.37
C17	27.01	24.00	N85°26'30"W	25.67

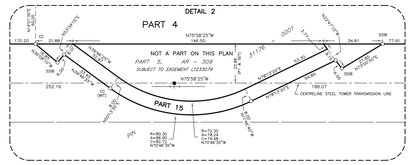


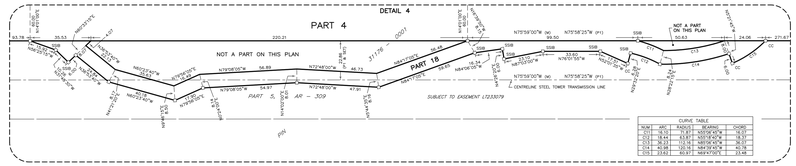
TIES TO WATER'S EDGE		
NUMBER	NORTHING	EASTING
32	5,309,232.1	672,893.5
33	5,309,150.9	672,880.1
34	5,309,103.3	672,882.5
35	5,309,069.8	672,884.2
36	5,309,051.0	672,890.0
37	5,309,027.6	672,905.0

CURVE TABLE				
NUM	ARC	RADIUS	BEARING	CHORD
C1	33.01	11.08	S81°05'34"W	19.09
C2	4.31	31.08	N51°42'10"W	4.20
C3	61.91	31.08	N60°30'30"W	52.11
C4	16.33	40.91	N65°47'51"E	16.22
C5	32.13	40.91	N39°13'09"E	31.31
C6	17.26	50.63	N48°24'24"E	16.94
C7	6.10	50.63	N31°47'10"W	6.09
C8	20.18	50.63	N45°07'45"W	19.82
C9	31.54	16.59	N80°22'45"W	28.89
C10	48.13	36.59	N80°22'45"W	39.30

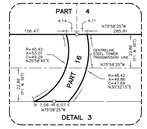


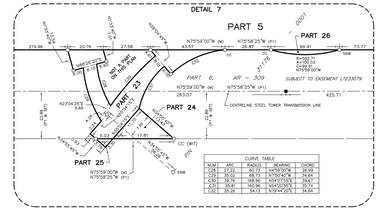
CURVE TABLE				
NUM	ARC	RADIUS	BEARING	CHORD
C24	19.54	12.00	N14°00'00"E	17.50
C25	19.54	12.00	N86°00'00"W	17.50
C26	31.84	19.55	N86°00'00"W	31.81
C27	31.84	19.55	N14°00'00"E	31.81
C28	19.20	17.41	N64°00'00"W	18.22
C29	19.20	17.41	N26°00'00"E	18.22
C30	19.20	17.41	N64°00'00"W	18.22
C31	19.20	17.41	N26°00'00"E	18.22
C32	43.17	30.50	N64°00'00"W	40.10
C33	43.17	30.50	N26°00'00"E	40.10





CURVE TABLE				
NUM	ARC	RADIUS	BEARING	CHORD
C11	19.10	11.91	S83°08'40"W	16.97
C12	9.44	43.91	N72°58'25"W	9.42
C13	45.22	12.00	N80°00'00"W	36.00
C14	19.54	12.00	N14°00'00"E	17.50
C15	21.62	60.91	N84°43'00"E	21.68





CURVE TABLE				
NUM	ARC	RADIUS	BEARING	CHORD
C34	19.54	12.00	N14°00'00"E	17.50
C35	19.54	12.00	N76°00'00"W	17.50
C36	19.79	18.96	N24°17'51"E	19.67
C37	19.79	18.96	N65°42'09"W	19.67
C38	20.39	54.15	N19°49'23"E	20.28

EXPROPRIATION CERTIFICATE

UPPER CANADA TRANSMISSION, INC., IN ACCORDANCE WITH SECTION 9 OF THE EXPROPRIATIONS ACT, R.S.O. 1990, c.E. 26, DOES HEREBY EXPROPRIATE PERMANENT AND TEMPORARY EASEMENTS IN FAVOUR OF UPPER CANADA TRANSMISSION, INC. AND ANY SUCCESSORS, ASSIGNS, SERVANTS OR AGENTS THEREOF, FOR THE PURPOSES OF AND INCIDENTAL TO THE CONSTRUCTION OF AN ELECTRICAL TRANSMISSION LINE INCLUDING ACCESS ROADS AND ANCILLARY FACILITIES AS APPROVED BY THE ONTARIO ENERGY BOARD AND SET OUT IN ORDER NO. EB–2019–0127, DATED SEPTEMBER 12, 2019.

THE EXPROPRIATING AUTHORITY

UPPER CANADA TRANSMISSION, INC.

DATE _____

JENNIFER TOMARSH, PROJECT DIRECTOR
I HAVE AUTHORITY TO BIND THE CORPORATION

CERTIFICATE OF APPROVAL

THE ONTARIO ENERGY BOARD HEREBY CERTIFIES THAT APPROVAL WAS GIVEN TO UPPER CANADA TRANSMISSION, INC. ON THE 12TH DAY OF SEPTEMBER, 2019. TO EXPROPRIATE A LIMITED INTEREST IN THE LANDS AS DESCRIBED BELOW

FIRSTLY, A PERMANENT EASEMENT AND RIGHT–OF–WAY IN PERPETUITY IN FAVOUR OF UPPER CANADA TRANSMISSION, INC., ITS OFFICERS, EMPLOYEES, AGENTS, CONTRACTORS, SUBCONTRACTORS, TENANTS, FRANCHISEES, LICENSEES, SUCCESSORS AND ASSIGNS IN, ON, OVER, ACROSS AND ALONG THAT PORTION OF THE PROPERTY MORE PARTICULARLY DESIGNATED AS PARTS 1 TO 5, BOTH INCLUSIVE, ON THIS PLAN WITH SUCH PERSONS, VEHICLES AND EQUIPMENT NECESSARY FOR THE PURPOSES OF ERECTING, CONSTRUCTING, REPLACING, RELOCATING, IMPROVING, ENLARGING, REMOVING, MAINTAINING, INSPECTING, PATROLLING, USING, REPAIRING AND OPERATING A TRANSMISSION STRUCTURES OR POLES (WHICH MAY INCLUDE LATTICE OR TRUSS TOWERS OR STRUCTURES IN THE EASEMENT AREA), WITH SUCH STABILITY STRUCTURES, INCLUDING WITHOUT LIMITATION, WIRES, GUY WIRES, AND/OR CABLES (WHETHER ABOVE GROUND OR BURIED), FOR THE TRANSMISSION OF ELECTRICAL ENERGY AND ALL NECESSARY AND PROPER FOUNDATIONS, ANCHORS, COMMUNICATION VAULTS, FOOTINGS, CROSS CONNECTIONS, GUYS, STUBS, ANCHORS, ANCILLARY FIXTURES FOR USE IN CONNECTION THEREWITH (WHICH MAY INCLUDE FIBER OPTIC CABLES AND TELECOMMUNICATIONS FIBER USED FOR PURPOSES RELATING TO THE TRANSMISSION OF ELECTRICITY AND FOR ANY OTHER LAWFUL PURPOSE) (COLLECTIVELY, THE TRANSMISSION FACILITIES) IN, ON, OVER, ACROSS AND ALONG THE LANDS DESIGNATED AS PARTS 1 TO 5, BOTH INCLUSIVE, FOR PURPOSES OF INGRESS TO AND EGRESS FROM THE TRANSMISSION FACILITIES OVER AND ALONG THE REMAINDER OF THE PROPERTY.

SECONDLY, A PERMANENT ROAD EASEMENT AND RIGHT–OF–WAY IN PERPETUITY IN FAVOUR OF UPPER CANADA TRANSMISSION, INC., ITS OFFICERS, EMPLOYEES, AGENTS, CONTRACTORS, SUBCONTRACTORS, TENANTS, FRANCHISEES, LICENSEES, SUCCESSORS AND ASSIGNS IN, ON, OVER, ACROSS AND ALONG THAT PORTION OF THE LANDS DESIGNATED AS PARTS 6 TO 26, BOTH INCLUSIVE, 20 AND 21 FOR PEDESTRIAN AND VEHICULAR ACCESS OVER THE EASEMENT AREA TO ALLOW UPPER CANADA TRANSMISSION, INC. AND OTHER INVITEES ACCESS TO UPPER CANADA TRANSMISSION, INC.'S TRANSMISSION FACILITIES (BEING TRANSMISSION FACILITIES FOR ELECTRICITY AND/OR FIBER OPTIC TELECOMMUNICATIONS), ALONG WITH THE RIGHT TO IMPROVE THE SURFACE OF THE EASEMENT AREA FOR PEDESTRIAN AND VEHICULAR ACCESS TO ALLOW UPPER CANADA TRANSMISSION, INC. AND OTHER INVITEES ACCESS TO UPPER CANADA TRANSMISSION, INC.'S TRANSMISSION FACILITIES (BEING TRANSMISSION FACILITIES FOR ELECTRICITY AND/OR FIBER OPTIC TELECOMMUNICATIONS), ALONG WITH THE RIGHT TO IMPROVE THE SURFACE OF THE EASEMENT AREA FOR ACCESS AND ACCOMMODATE THE TRANSPORTATION OF EQUIPMENT AND VEHICLES, FOR A TERM OF SEVEN (7) YEARS FROM THE DATE THAT THE INTEREST IS GRANTED

THIRDLY, A TEMPORARY ROAD EASEMENT AND RIGHT–OF–WAY IN FAVOUR OF UPPER CANADA TRANSMISSION, INC., ITS OFFICERS, EMPLOYEES, AGENTS, CONTRACTORS, SUBCONTRACTORS, TENANTS, FRANCHISEES, LICENSEES, SUCCESSORS AND ASSIGNS IN, ON, OVER, ACROSS AND ALONG THAT PORTION OF THE LANDS DESIGNATED AS PARTS 6 TO 16, BOTH INCLUSIVE, 20 AND 21 FOR PEDESTRIAN AND VEHICULAR ACCESS OVER THE EASEMENT AREA TO ALLOW UPPER CANADA TRANSMISSION, INC. AND OTHER INVITEES ACCESS TO UPPER CANADA TRANSMISSION, INC.'S TRANSMISSION FACILITIES (BEING TRANSMISSION FACILITIES FOR ELECTRICITY AND/OR FIBER OPTIC TELECOMMUNICATIONS), ALONG WITH THE RIGHT TO IMPROVE THE SURFACE OF THE EASEMENT AREA FOR ACCESS AND ACCOMMODATE THE TRANSPORTATION OF EQUIPMENT AND VEHICLES, FOR A TERM OF SEVEN (7) YEARS FROM THE DATE THAT THE INTEREST IS GRANTED

DATED AT _____, THIS DAY
OF _____, 2019.

KIRSTEN WALLI, BOARD SECRETARY
ONTARIO ENERGY BOARD

PLAN _____

I CERTIFY THAT THIS PLAN IS REGISTERED IN THE LAND REGISTRY OFFICE FOR THE LAND TITLES DIVISION OF ALGOMA (NO. 1)
AT O'CLOCK ON THE _____ DAY OF _____, 2019.
AND ENTERED IN THE PARCEL REGISTER FOR PROPERTY IDENTIFIER 31176–0001.

_____
REPRESENTATIVE FOR THE LAND REGISTRAR (1)

SCHEDULE

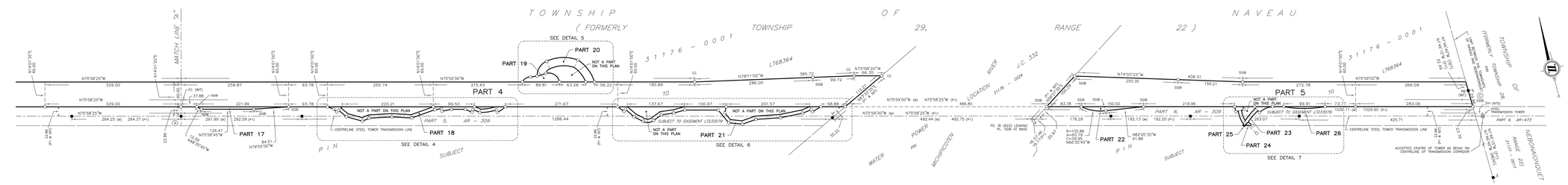
PARTS 1 TO 5, BOTH INCLUSIVE, ENUMERATED HEREUNDER REFER TO LANDS IN WHICH A PERMANENT EASEMENT FOR A TRANSMISSION LINE IS EXPROPRIATED BY UPPER CANADA TRANSMISSION, INC.
PARTS 11, 18, 19, 22 TO 26, BOTH INCLUSIVE, ENUMERATED HEREUNDER REFER TO LANDS IN WHICH A PERMANENT EASEMENT FOR FREE, UNINTERRUPTED AND UNOBSTRUCTED ACCESS IS EXPROPRIATED BY UPPER CANADA TRANSMISSION, INC.
PARTS 6 TO 16, BOTH INCLUSIVE, 20 AND 21 ENUMERATED HEREUNDER REFER TO LANDS IN WHICH A TEMPORARY LIMITED INTEREST FOR THE PURPOSES OF FREE, UNINTERRUPTED AND UNOBSTRUCTED EASEMENT FOR ACCESS FOR A TERM COMMENCING ON REGISTRATION OF THE PLAN AND EXPIRING SEVEN YEARS THEREAFTER IS EXPROPRIATED BY UPPER CANADA TRANSMISSION, INC.
INTERESTS AS DESCRIBED IN LT68364 AND LT233079 HAVE NOT BEEN EXPROPRIATED AND CONTINUE TO BE SUBJECT TO THOSE INTERESTS.

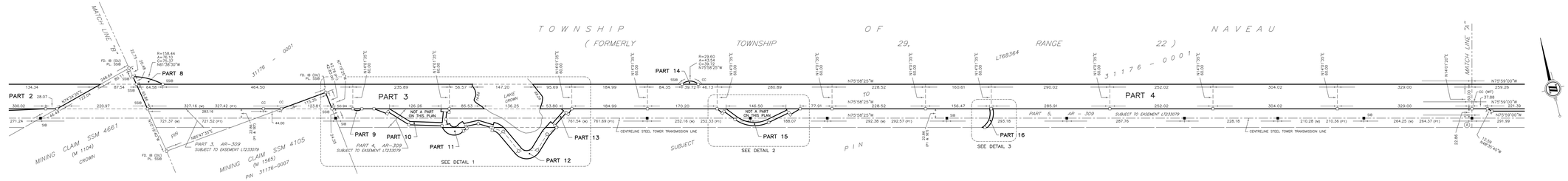
PART	TOWNSHIP	PIN	AREA (ha)
1	PART OF THE TOWNSHIP OF NAVEAU	PART OF 31176–0001	0.527
2			7.637
3			4.654
4			23.886
5			6.256
6			0.020
7			0.166
8			0.083
9			0.004
10			0.294
11			0.078
12			0.386
13			0.071
14			0.021
15			0.173
16			0.041
17			0.101
18			0.343
19			0.132
20			0.312
21			0.426
22			0.091
23			0.107
24			0.008
25			0.0006
26			0.014

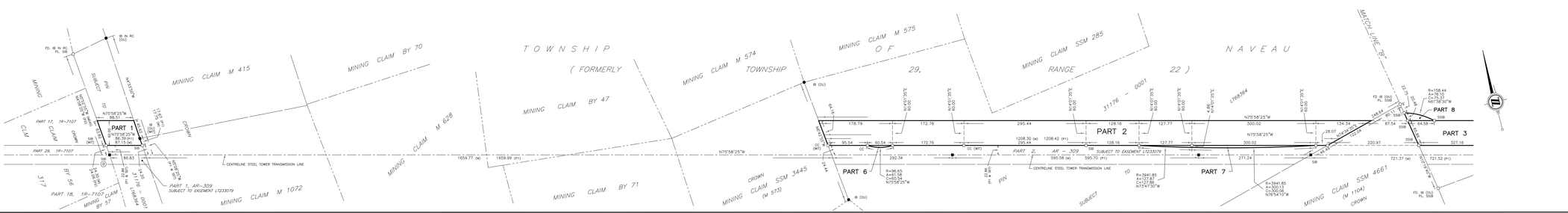
PARTS 6, 7, 9, 10, 13, 15, 16, 17, 18, 21, 22, 23, 24 AND 26 –SUBJECT TO EASEMENT LT233079
PARTS 1 TO 26, BOTH INCLUSIVE – SUBJECT TO LT68364

EXPROPRIATIONS ACT
PLAN OF SURVEY OF
PART OF THE TOWNSHIP OF NAVEAU
NOW IN THE
MUNICIPALITY OF WAWA
DISTRICT OF ALGOMA

SCALE – 1:3000
50m 0 100m







NOTES

BEARINGS ARE GRID, DERIVED FROM OBSERVED REFERENCE POINTS A AND B, HAVING A BEARING OF N75°58'25"W BY REAL TIME KINEMATIC (RTK) OBSERVATIONS, UTM ZONE 16, NAD83 (CSRS)(2010).

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999920.

ALL CURVES ARE NON–TANGENTIAL UNLESS OTHERWISE NOTED.

ROTATIONS APPLIED TO PLAN BEARINGS FOR BEARING COMPARISONS	
PLAN	ROTATION
P1	1°44'25" COUNTER–CLOCKWISE
P2	1°39'45" COUNTER–CLOCKWISE
P3	1°14'50" COUNTER–CLOCKWISE

OBSERVED REFERENCE POINTS (ORPs) DERIVED FROM GPS OBSERVATIONS USING A NAD83(CSRS) (2010.0) ADJUSTMENT SERVICE AND ARE REFERRED TO UTM ZONE 16, NAD83 (CSRS)(2010.0)
COORDINATES COMPLY WITH THE RURAL ABSOLUTE ACCURACY PER SEC.14(2) OF O.REG. 216/10

POINT ID	NORTHING	EASTING
A	5 309 164.71	675 077.12
B	5 310 716.93	668 863.83
C	5 308 430.88	678 110.01

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE–ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

LEGEND

⊡	DENOTES PLANTED SURVEY MONUMENT
■	DENOTES FOUND SURVEY MONUMENT
SIB	DENOTES STANDARD IRON BAR
IB	DENOTES IRON BAR
SSIB	DENOTES SHORT STANDARD IRON BAR
CI	DENOTES CUT INDEX
CC	DENOTES CUT CROSS
RC	DENOTES ROCK CAIRN
WIT	DENOTES WITNESS
FD.	DENOTES FOUND
PL.	DENOTES PLANTED
P1	DENOTES PLAN AR–309
P2	DENOTES PLAN 1R–7107
P3	DENOTES PLAN OF MINING CLAIM M 415 BY J. L. LANG, O.L.S., DATED NOVEMBER 26, 1919
622	DENOTES J. B. CHAMBERS, O.L.S.
OU	DENOTES ORIGIN UNKNOWN
R	DENOTES RADIUS
L	DENOTES ARC
C	DENOTES CHORD
PIN	DENOTES PROPERTY IDENTIFICATION NUMBER
NTS	DENOTES NOT TO SCALE

ALL FOUND SURVEY MONUMENTS ARE SSIB UNLESS OTHERWISE NOTED

ALL FOUND SURVEY MONUMENTS ARE W.E.G. TAYLOR, O.L.S., UNLESS OTHERWISE NOTED

ALL PLANTED SURVEY MONUMENTS ARE SSIB (WIT) UNLESS OTHERWISE NOTED

METRIC

DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THE SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 13th DAY OF SEPTEMBER, 2019.

OCTOBER 15, 2019
DATE

PETER de HAAN
ONTARIO LAND SURVEYOR

TBT ENGINEERING
CONSULTING GROUP
TBT SURVEYORS INC. - A WHOLLY OWNED SUBSIDIARY OF TBT ENGINEERING LIMITED

1918 YONGE STREET, THUNDER BAY, ON P7E 6T9
T: (807) 624–5160 F: (807) 624–5161 www.tbte.ca

DRAWN BY: B.F.	CHECKED BY: PdeH	DATED: 2019/09/16	
DWG. No.: File: Y:\Projects\2018\18-068 Lapar EWT Northridge\Abitibiwawa\EWT 9013-...-9072\EWT 9013 Rel Corridor-EXPR.dwg			