



I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

PLAN 36M-15299
RECEIVED AND DEPOSITED

SEPTEMBER 28, 2024
DATE

October 15, 2024
DATE

PAUL GOODRIDGE
ONTARIO LAND SURVEYOR

Michelle Guinette
REPRESENTATIVE FOR LAND REGISTRAR FOR THE LAND TITLES DIVISION OF NIPISING (No. 36)

PART	LOT	PLAN	PIN	AREA (ha/ac)
1				1.329 / 3.28
2				2.921 / 7.22
3	ALL OF BLOCK 45	REGISTERED PLAN 36M-610	ALL OF 4004-0058 (LT) (SRO)	1.066 / 2.63
4				1.011 / 2.50
5				0.037 / 0.09

PARTS 1, 2, 3, 4 & 5 SUBJECT TO RIGHT IN LT260973 AND NP8370.

ALL OF SURVEY OF
PLAN OF BLOCK 45
REGISTERED PLAN 36M-610
GEOGRAPHICAL TOWNSHIP OF CASSELS
MUNICIPALITY OF TEMAGAMI
DISTRICT OF NIPISING
PAUL GOODRIDGE, OLS
SCALE 1 : 500

POINT NUMBER	NORTHING	EASTING
1	5214204.857	596617.751
2	5214188.942	596615.979
3	5214190.073	596610.293
4	5214180.938	596604.681
5	5214173.270	596601.233
6	5214173.016	596596.944
7	5214175.255	596593.096
8	5214180.833	596587.983
9	5214188.771	596589.405
10	5214197.254	596593.777
11	5214206.069	596598.778
12	5214215.490	596593.745
13	5214228.928	596592.004
14	5214239.307	596581.679
15	5214248.888	596580.209
16	5214258.851	596578.531
17	5214270.256	596573.120

BOUNDARY NOTE
UNLESS OTHERWISE NOTED, BOUNDARIES ILLUSTRATED HEREON WITH BOLD LINES ARE NOT FENCED.

BEARING NOTE
BEARINGS HEREON ARE GRID BEARINGS DERIVED FROM RTK GPS OBSERVATIONS AND ARE REFERRED TO THE CENTRAL MERIDIAN (2010.0) 87 WEST LONGITUDE OF THE UTM SYSTEM, NAD83 (CSRS) (2010.0) ZONE 17 NORTH.
A COUNTER-CLOCKWISE ROTATION HAS BEEN APPLIED TO CONVERT ASTROMETRIC BEARINGS ON UNDERLYING PLANS TO UTM GRID BEARINGS AND HAS BEEN CALCULATED IN ACCORDANCE WITH THE FOLLOWING FORMULA:
ROTATION = (32.39 x DISTANCE FROM CENTRAL MERIDIAN (km) X tan (LATTITUDE) / 3,600) = (32.39 x 96.651503 tan 47°04'17.95968") / 3,600 = 0°58'05"

METRIC
DISTANCES & CO-ORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

GRID SCALE CONVERSION
DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.99967448

INTEGRATION DETAILS
OBSERVED REFERENCE POINTS (ORP'S) DERIVED FROM PRECISE POINT POSITIONING SERVICE (PPP), UTM ZONE 17 NORTH, NAD 83 (CSRS) (2010.0) CO-ORDINATES TO RURAL ACCURACY AS PER SECTION 14 (2) OF O. REG. 216/10

POINT ID	NORTHING	EASTING
O.R.P. "A"	5,214,129.323	596,607.704
O.R.P. "B"	5,213,886.783	596,592.404

CO-ORDINATES CANNOT IN THEMSELVES BE USED TO ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

ELEVATION NOTE
ELEVATIONS SHOWN HEREON ARE OF GEODETIC ORIGIN CGVD28 (HTV20) AND ARE DERIVED FROM STATIC BASE STATION GPS OBSERVATIONS OF DURATION 6:48:15 HOURS POST-PROCESSED USING THE PRECISE POINT POSITIONING (PPP) SERVICE OF NRCAN YIELDING ELEVATION ACCURACIES WITHIN 0.021 METERS.
SITE BENCHMARK BM1 - TOP OF SSB (1526) (P1) ON LINE BETWEEN LOT 33 & BLOCK 45
ELEVATION = 292.25

NOTE
CASSELS LAKE IS ARTIFICIALLY REGULATED TO CONTOUR OF ELEVATION 292.34m G.S.C. DATUM.
PATENT NP8370 IS SUBJECT TO A RIGHT TO CONTROL THE LEVEL OF CASSELS LAKE TO AN ELEVATION NOT GREATER THAN 2.134 m ABOVE HIGH WATER MARK AS SET OUT IN LICENSE OF OCCUPANCY No. 1597 DATED THE 13th DAY OF JULY, 1927.
ELEVATIONS ARE REFERRED TO CSRS PPP SPIKE 1, HAVING AN ELEVATION OF 292.957m.

LEGEND
1526 SIMPSON & OSBORNE SURVEYING INC., 1995, OLS
NEF NO EVIDENCE FOUND
P1 REGISTERED PLAN 36M-610
M MEASURED
S SET
PROP PROPORTIONED
CALCULATED FROM
INT POINT RE-ESTABLISHED BY INTERSECTION
PROD PRODUCTION OF LINE
MRO MINING RIGHTS ONLY
SRO SURFACE RIGHTS ONLY

SURVEYOR'S CERTIFICATE
I CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYORS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM;
2. THE SURVEY WAS COMPLETED ON 15th DAY OF AUGUST, 2024.

NORTH BAY, ONTARIO
SEPTEMBER 28, 2024
PAUL GOODRIDGE
ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER 2218370

GOODRIDGE GOULET
PLANNING & SURVEYING LTD.
ONTARIO LAND SURVEYOR - LAND USE PLANNER - DEVELOPMENT CONSULTANTS
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705-493-2975 con.goulet@ggpltd.com

PLAN	FELD	OFFICE	FILE
1185-21-PL1-2024mg	G.T.	H. HARROD	1185-21