TOPOGRAPHIC SKETCH OF

PART OF LOT 24
CONCESSION 3

GEOGRAPHIC TOWNSHIP OF HUMBERSTONE, NOW IN THE

CITY OF PORT COLBORNE
REGIONAL MUNICIPALITY OF NIAGARA

SCALE 1:500

0 10 20 30 40 50 60 70 80 metres

LANTHIER & GILMORE SURVEYING LTD.
2024

LEGEND

■	DENOTES	SURVEY MONUMENT FOUND	'JEL'	DENOTES	LANTHIER & GILMORE SURVEYING LTD.
⊡	"	SURVEY MONUMENT SET	DHO	"	DEPARTMENT OF HIGHWAYS
SIB	"	STANDARD IRON BAR	'MTO'	"	MINISTRY OF TRANSPORTATION
SSIB	"	SHORT STANDARD IRON BAR	'759'	"	C.J. CLARKE, O.L.S.
IB	"	IRON BAR	P1	"	PLAN 59R-1602 (P-5088-51)
IBø	"	ROUND IRON BAR	P2	"	PLAN 311952 (P-5088-55)
IT	"	IRON TUBE	P3	"	PLAN RD-224 (P-5088-18)
PB	"	PLASTIC BAR	P4	"	PLAN 59R-2209 (P-5088-53)
CC	"	CUT CROSS	F1	"	'759' FILE DATED SEPTEMBER 26, 1951.
WIT	"	WITNESS	D1	"	RO118572
ORP	"	OBSERVED REFERENCE POINT	D2	"	RO132277
MEAS.	"	MEASURED	UP	"	UTILITY POLE

INTEGRATION DATA

OBSERVED REFERENCE POINTS (ORPs) DERIVED FROM GPS OBSERVATIONS USING THE CAN-NET VRS NETWORK, UTM ZONE 17, NAD 83 (CSRS) (2010).

COORDINATES TO URBAN ACCURACY PER SEC. 14 (2) OF O.REG. 216/10.

POINT ID	NORTHING	EASTING
ORP1	4,752,472.73	644,108.79
ORP2	4,752,592.14	644,105.81

CAUTION

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

BEARING NOTE

BEARINGS ARE UTM GRID, DERIVED FROM SIMULTANEOUS GPS OBSERVATIONS FROM MONUMENTS ORP1 TO ORP2, SHOWN HEREON, HAVING A BEARING OF N1°26'00"W REFERRED TO THE CENTRAL MERIDIAN OF UTM ZONE 17 (81° WEST LONGITUDE) NAD 83 (CSRS) (2010).

FOR BEARING COMPARISONS, A ROTATION OF 1° 26' 00" IN A COUNTER CLOCK-WISE DIRECTION WAS APPLIED TO BEARINGS ON '759' FILE DATED SEPTEMBER 26, 1951.

FOR BEARING COMPARISONS, A ROTATION OF 1° 12' 30" IN A COUNTER CLOCK-WISE DIRECTION WAS APPLIED TO BEARINGS ON PLAN RD-244 (P-5088-18), PLAN 59R-1602 (P-5088-51), PLAN 311952 (P-5088-55) AND PLAN 59R-2209 (P-5088-53).

DISTANCE NOTES

METRIC CONVERSION

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

GRID SCALE CONVERSION

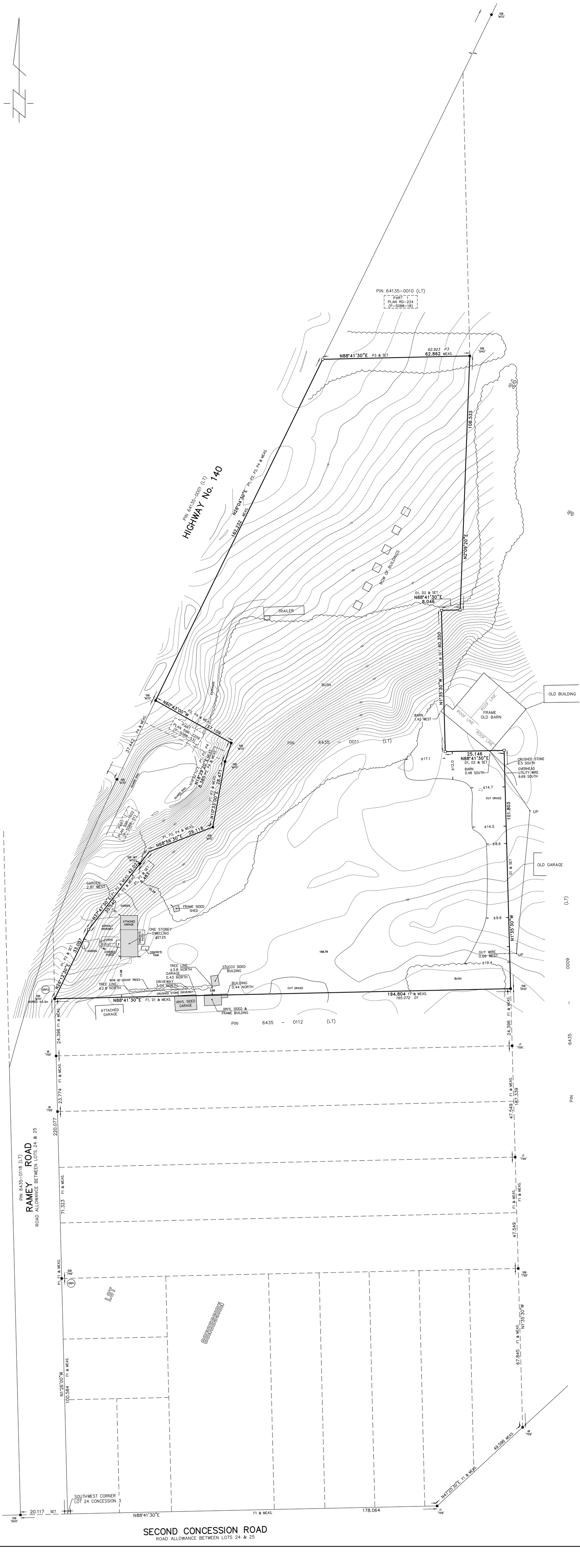
DISTANCES SHOWN ON THIS PLAN ARE ADJUSTED GROUND LEVEL DISTANCES AND CAN BE USED TO COMPUTE GRID COORDINATES BY MULTIPLYING THE DISTANCES BY A COMBINED SCALE FACTOR OF 0.999816929.

ELEVATION NOTE

ELEVATIONS SHOWN HEREON ARE ORTHOMETRIC.

DATE: MARCH 22, 2024

MARK GILMORE
ONTARIO LAND SURVEYOR

LANTHIER & GILMORE SURVEYING LTD.
173 CLARENCE ST. PORT COLBORNE, ONT. (905) 835-5477

SCALE: 1:500	DR. BY: CM/MG CH. BY: MG	JEL FILE: 22-891	F-1459