

Name LONDON

Established by Ministry of Natural Resources

Dist & Dir from nearest city 3.9 km S.W. of LONDON

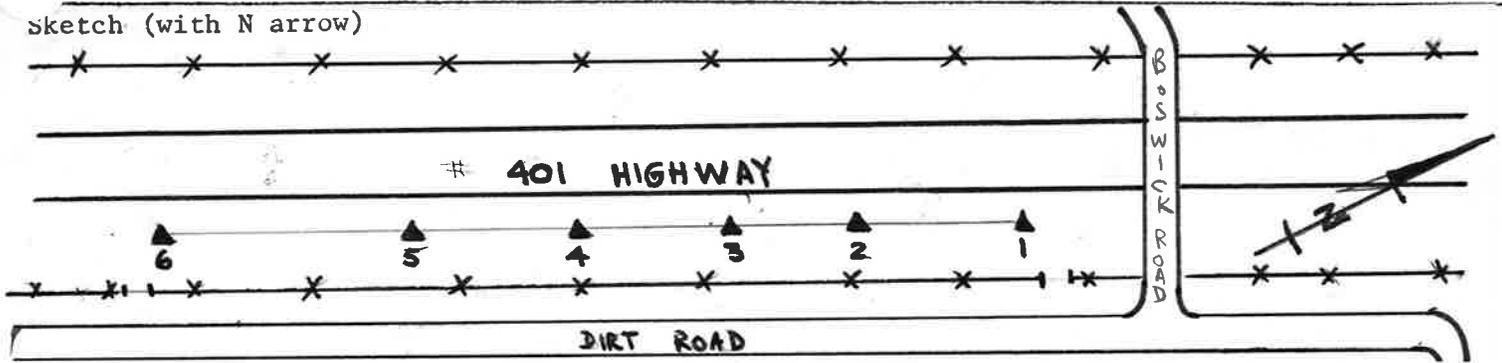
Mid-Point

Approx Lat. 42 52' 40"

Approx Long 81 15' 00"

Map Sheet 40 - 1 /14F

sketch (with N arrow)



Description

The baseline at London, Ontario is on the left side of highway # 401 right-of-way approximately 3.9 km south west of # 20 intersection.

From the Wellington road overpass at the 401 (intersection # 20) proceed south on Wellington road for approximately 3.7 km to the London radio broadcasting station (CFPL 980). Turn right at Concession IV road for approximately 3.1 km to a stop sign, proceed straight along Concession IV road for another 1.1 km. There will be a turn to the left such that Concession IV road is running east-west parallel to the 401. There is an overpass which intersects Concession IV road on the north side of it. The first pillar is approximately 300 m west of the overpass on the north side of Concession IV road between the 401 and Concession IV road.

The baseline is parallel to # 401 inside a fence on the # 401 right-of-way. It consists of six pillars constructed of concrete. The construction follows closely the plans suggested by Geodetic Survey of Canada for baseline pillars. They are all intervisable and are numbered from east to west. (1-6)

London, Ont

Pier 1 813041
 Pier 2 813042
 Pier 3 813043
 Pier 4 813044
 Pier 5 813045
 Pier 6 813046

Elevations of Tops of Piers and Approximate Distances of Piers from First Pier

Pier No	Elev	Dist
1	271.95 m	NIL m
2	267.37 m	201 m
3	265.10 m	301 m
4	262.15 m	439 m
5	265.90 m	837 m
6	269.35 m	1127 m

Levelling Method Spirit Order 1st Agency Holstead, Orendoroff Redmond Ltd

Description prepared by

ROBERT, FEENY

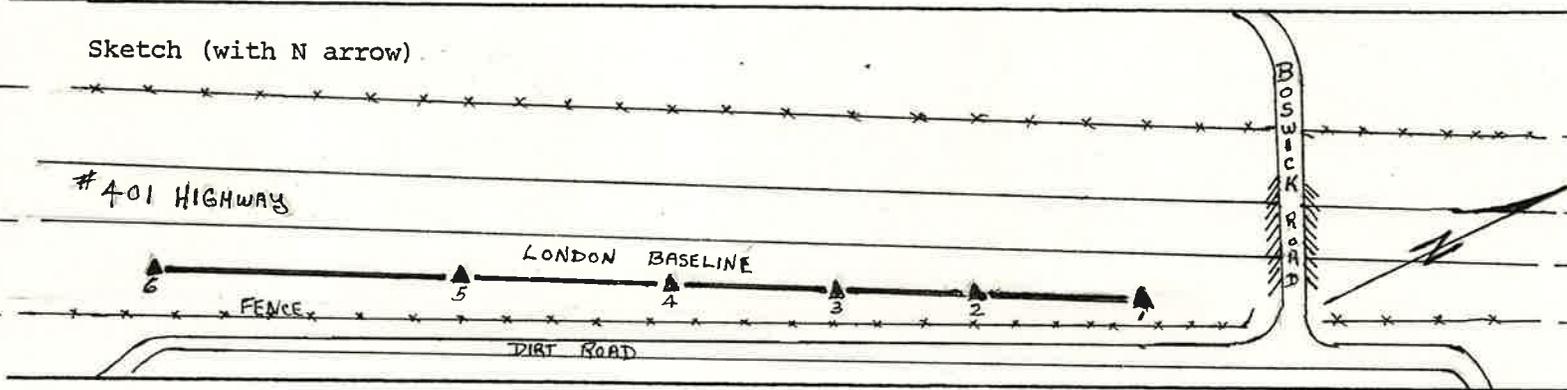
Date 83/06/16

HC-58

Geodetic Survey of Canada
DESCRIPTION OF CALIBRATION BASELINE

Name LONDON
Established by MINISTRY OF NATURAL RESOURCES
Dist & Dir from nearest city 3.9 km S.W. of LONDON

Mid-Point
Approx Lat. 42° 52' 40"
Approx Long. 81° 15' 00"
Map Sheet 40-1/14F



Description
The baseline at London, Ontario is on the left side of highway #401 right-of-way approximately 3.9 km south west of #20 intersection
To locate the baseline travel south on Wellington Road from intersection #20 on #401 highway for a distance of 3.7 km. or to London radio broadcasting station - turn right and travel for a distance of 3.9 km or until you come to highway #401 - turn left and travel past Boswick Road bridge for a distance of approximately 500 meters.
The baseline is parallel to #401 inside a fence on the #401 right-of-way. It consists of six pillars constructed of cement. The construction follows closely, the plans suggested by Geodetic Survey of Canada for baseline pillars. They are all intervisable and are numbered from east to west. (1-6).

The parameters used for the 1981 measurement: x = 0.00009 m.
y = 4.62283 ppm.
z = -0.244546 ppm.

**SEE REVISED DESCRIPTION
AS OF 83-06-16**

Elevations of Tops of Piers and Approximate Distances of Piers from First Pier

Pier No	Elev	Dist
<u>1</u>	<u>271.95 m</u>	<u>NIL m</u>
<u>2</u>	<u>267.37 m</u>	<u>201 m</u>
<u>3</u>	<u>265.10 m</u>	<u>301 m</u>
<u>4</u>	<u>262.15 m</u>	<u>439 m</u>
<u>5</u>	<u>265.90 m</u>	<u>837 m</u>
<u>6</u>	<u>269.35 m</u>	<u>1127 m</u>
<u> </u>	<u> m</u>	<u> m</u>

Levelling Method Spirit Order 1st Agency Holstead, Orendoroff, Redmond Ltd.

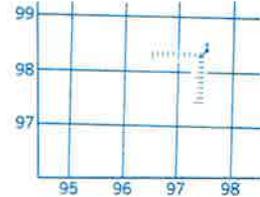
Description prepared by M.W.M. Ewen Date 81/10/19

Use diagram only to obtain numerical values.
 APPROXIMATE MEAN DECLINATION 1972
 FOR CENTRE OF MAP
 Annual change increasing 1.7'

ONE THOUSAND METRE
 UNIVERSAL TRANSVERSE MERCATOR GRID
 ZONE 17

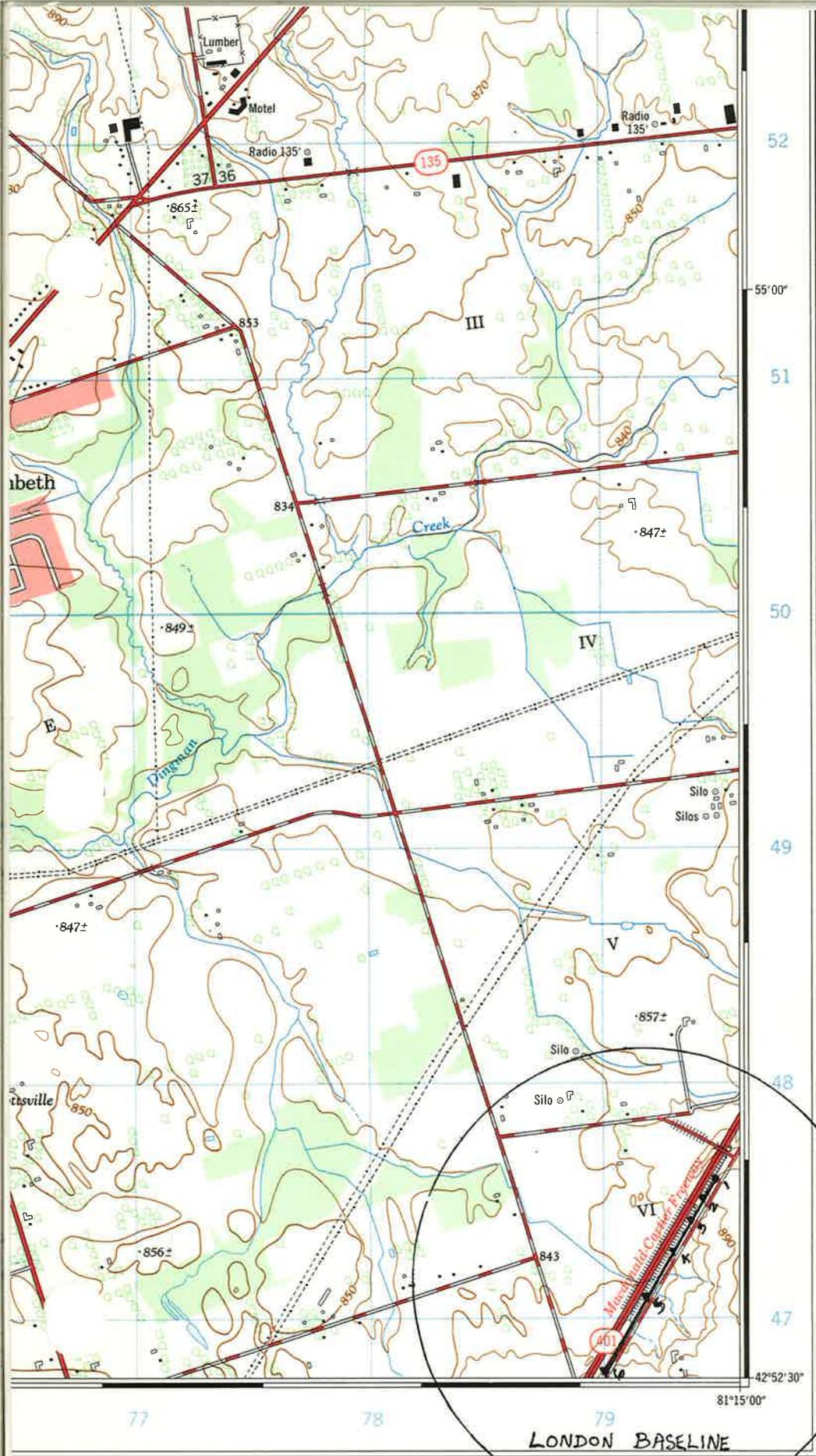
GRID ZONE DESIGNATION	100,000 M. SQUARE IDENTIFICATION
17 T	MT

EXAMPLE OF METHOD USED
 TO GIVE A REFERENCE TO NEAREST 100 METRES
 THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY
 AND DOES NOT REFER TO A POINT ON THIS MAP



REFERENCE POINT	CHURCH (as above)
EASTING: Read number on grid line immediately to left of point	97
Estimate tenths of a square from this line eastward to point	5
	975
NORTHING: Read number on grid line immediately below point	98
Estimate tenths of a square from this line northward to point	4
	984

EXAMPLE MILITARY GRID REFERENCE 975984
 Nearest similar grid reference 100,000 metres (about 63 miles)



Établie par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE,
 MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES.
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Building.....	Bâtiment.....	Church.....	Église.....
School.....	École.....	Post Office.....	Bureau de poste.....
Cemetery.....	Cimetière.....	Navigation Light.....	Feu de navigation.....
Rock; bare or awash.....	Roche, nue ou à fleur d'eau.....		
Power transmission line.....	Ligne de transport d'énergie.....		
River with bridge.....	Rivière avec pont.....		
Rapids, Falls; large, small.....	Rapides, Chutes; grands, petits.....		
Lake; intermittent, indefinite.....	Lac intermittent, rive imprécise.....		
Swamp.....	Marais ou marécage.....		
on contours.....	Courbes de cuvette.....		
Trees.....	Arbres.....		
Woods.....	Bois.....		
Vineyard, Orchard.....	Vignoble, Verger.....		

TABLEAU D'ASSEMBLAGE DU SYSTÈME NATIONAL DE RÉFÉRENCE CARTOGRAPHIQUE

81°30'00"	81°07'30"	
43°07'30"	40 P/3d	40 P/3c
		40 P/3b
	40-1/14e	40-1/14f
		40-1/14g
	40-1/14d	40-1/14c
		40-1/14b
42°45'00"	81°30'00"	81°07'30"

INDEX TO ADJOINING MAPS OF THE NATIONAL TOPOGRAPHIC SYSTEM



0-9

A 25423 - 14

LONDON, ONT. 401/14