





Geodetic Survey of Canada  
DESCRIPTION OF CALIBRATION BASELINE

843024 PIER 1  
843025 PIER 2  
843026 PIER 3  
843027 PIER 4  
843028 PIER 5

Name Conestogo

Mid-Point

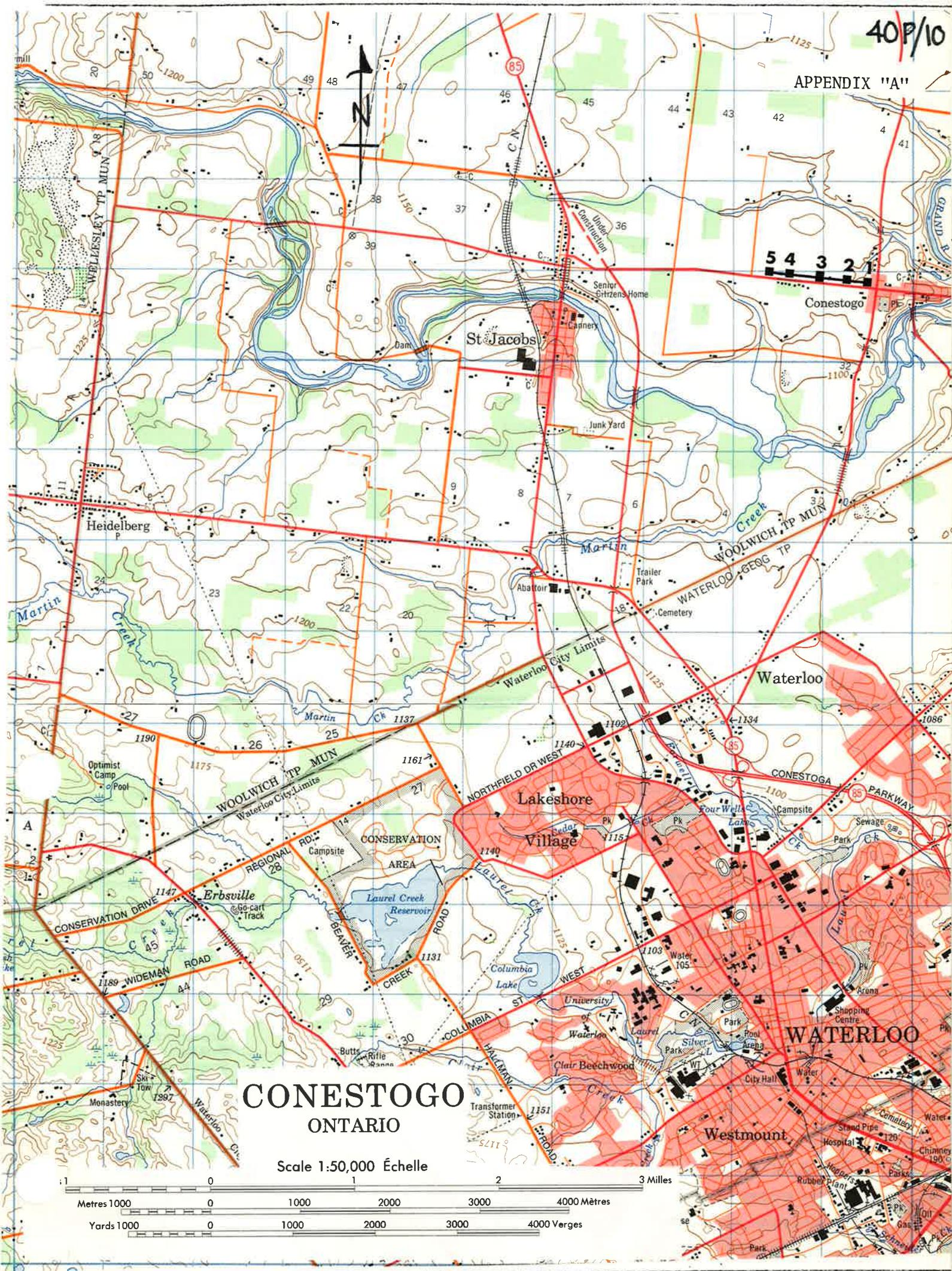
Established by Ministry of Natural Resources of Ontario.

Approx Lat 43 32' 30"

Dist & Dir from nearest city 0.15 km W of Conestogo

Approx Long 80 31' 30"

Map Sheet 40 P/10



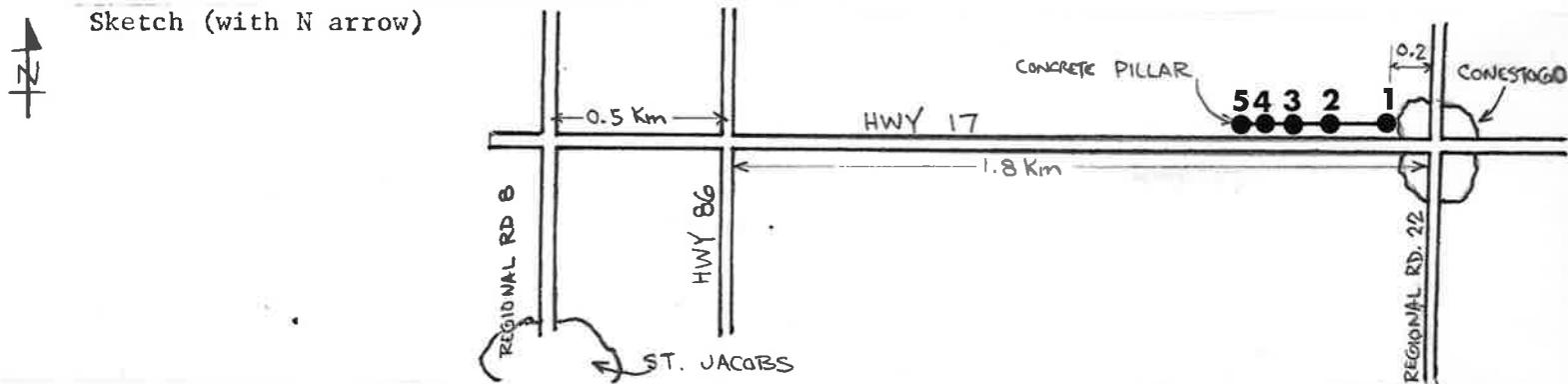
CANADA  
GEODETTIC SURVEY

DESCRIPTION OF CALIBRATION BASELINE

MID-POINT

NAME Conestogo APPROX LAT. 43 32' 30"  
 ESTABLISHED BY Ministry of Natural Resources of Ontario APPROX LONG 80 31' 30"  
 DISTANCE AND DIRECTION FROM NEAREST CITY 0.15 km W of Conestogo MAP SHEET 40 P/10

SKETCH (WITH NORTH ARROW)



DESCRIPTION:

Located 0.15 km west from the town of Conestogo, Ontario. It is built on the north side of highway 17 right-of-way.

Situated near intersection of Regional Road 8 and highway 17 north of town of St. Jacobs. Drive for 2.3 km to intersection of Regional Road 22 and highway 17. It consists of five concrete pillars. The construction follows closely the plans suggested by Geodetic Survey of Canada for Baseline Pillars. They are intervisible and are numbered from east to west (1-5).

All pillars have the bronze forced centering base plate with 15 mm external threaded bolt. Each pillar has five steel pipe guard 61 mm diameter protruding 0.9 m from ground level.

ELEVATIONS OF TOPS OF PIERS AND APPROXIMATE DISTANCES FROM FIRST PIER

843024	PIER 1	PIER NO.	<u>1</u>	ELEV	<u>335.772 m</u>	DIST	<u>NIL</u> m
		PIER NO.	<u>2</u>	ELEV	<u>337.556 m</u>	DIST	<u>518</u> m
843026	PIER 3	PIER NO.	<u>3</u>	ELEV	<u>339.137 m</u>	DIST	<u>819</u> m
843025	PIER 4	PIER NO.	<u>4</u>	ELEV	<u>340.273 m</u>	DIST	<u>1020</u> m
843028	PIER 5	PIER NO.	<u>5</u>	ELEV	<u>341.123 m</u>	DIST	<u>1120</u> m
		PIER NO.		ELEV	<u>m</u>	DIST	<u>m</u>
		PIER NO.		ELEV	<u>m</u>	DIST	<u>m</u>

LEVELLING METHOD Spirit ORDER \_\_\_\_\_ YEAR 1984 AGENCY Brubacher, Campbell Limited D.L.S.

DESCRIPTION PREPARED BY Robert Feeny DATE 84/06/22

DESCRIPTION OF CALIBRATION BASELINE

Name: CONESTOGO, ONTARIO  
Established By: ONTARIO MINISTRY OF NATURAL  
RESOURCES SURVEYS AND  
MAPPING BRANCH

Approx. Lat. 43-32-30 N  
Approx. Long. 80-29 W

Year: 1986

Map Sheet 40P/10

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Description:

From the intersection of highway #86 and Waterloo Regional Road 17 drive east towards the town of Conestogo 1.6 kilometres where Pier 5 is located. The six pillar baseline is situated in an east/west configuration 17 metres north of the centreline of the road. Pier 1 is located 20 metres west of the intersection of road 17 and Musselman Crescent.

All piers are intervisible, constructed of 46 cm diameter concrete cylinders. There is a 22.5 cm brass plate with a 1.1 cm steel centering pin on each pier.

The piers are not numbered, pier 5 being the most westerly and pier 1 being the most easterly.

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Coordinator of Geographical Referencing  
Ministry of Natural Resources  
Toronto, Ontario  
Ph.(416)314-1268

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Elevations to top of plates and approximate distances from the first pier:

PIER NO.	1	ELEV.	337.10 m	DIST.	Nil m
	1A		336.50 m		202.52 m
	2		337.55 m		517.98 m
	3		339.13 m		818.65 m
	4		340.26 m		1020.23 m
	5		341.10 m		1120.21 m

Levelling Method: Spirit Order: --- Year: 1984 Agency: D.D.McLeod

Compiled by: R. Shreenan  
Checked by: J. LaFrance

Date: 93/06/29  
Date: 93/06/29