A

TORNADO PROJECT SUMMARY SHEET

F=2 ONT

1. DATE AND TIME 11·6·1973 1705 EST

2. LOCATION OR PATH (attach map) CHESTERVILLE - SANDTOWN 0697301

3. PATH LENGTH ☑ NOT KNOWN ☐ <1 mi; ☐ 1-4mi; ☐ 5-10mi; ☐ 11-50mi; ☐ LENGTH IF>50mi

4. PATH WIDTH ☐ 5. TORNADO PART OF SQUALL LINE? ☐ YES; ☐ NO; ☑ UNKNOWN:

6. ANY UNUSUAL COLORATION? ☐ YES; ☐ NO; ☑ UNKNOWN

7. ANY UNUSUAL SOUND? ☐ YES; ☐ NO; ☑ UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE;

9. LIST ANY ASSOCIATED PHENOMENA
(Such as hail, vivid lightning heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE $UNKNOWN 11. TOTAL DEATHS NONE (CATTLE KILLED)

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES

STAR, TORONTO. 12·6·1973

MORRISBURG LEADER, SEPT 19, 1979

Telephone Interviews, Dec 8, 1980 by M. S. Newark

OTTAWA JOURNAL JUNE 11, 12, 1973

15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

TORNADO STRUCK CHESTERVILLE VICINITY JULY 17/1902

Lyal Hutt,

(a) a farmer in the area, said he watched as a funnel cloud touched down about ¼ mile from his home.

(b) At the farm of Ralph Winters (see map) the top of the partially filled slat silo was taken off, trees were uprooted and the top lifted off the barn. A building housing calves was lifted into the air and the calves killed and injured when it fell. At their neighbours farm (½ mile east) the barn was totally demolished. At the township boundary road (near Limerick road) another farm was completely demolished and a swath of fallen trees was visible through the bush.

Ralph Winters lot 31, conc 9, Osnabruck Tp. (613) 984-2864
Albert Winters (613) 984-2838.

WORKSHEET

IDTO 0697301

C 100

(1) ORIGIN x 1848700

y 4994500

(5) Standard Error S_x

C 100

(2) LIFT-OFF x_1 1849250

y_1 4994500

(6) Standard Error S_y

(3) $(x_1 - x)$ = 1080

(4) $(y - y_1)$ = 0

(7) DAMAGE LENGTH

$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$

(8) $\alpha = \tan^{-1} \dfrac{|y - y_1|}{|x - x_1|}$

(3)+(4) $\boxed{\rightarrow r,\theta}$ = 1080

$\boxed{x \leftrightarrow y}$ = 0°

(9) Standard Error $S_L = (S_x^2 + S_y^2)^{1/2}$

(5)+(6) $\boxed{\rightarrow r,\theta}$ = 141 m C

(10) $\beta = \dfrac{\tan^{-1} S_L}{L}$

(7)+(9) $\boxed{\rightarrow r,\theta}$

$\boxed{x \leftrightarrow y}$ = 1°

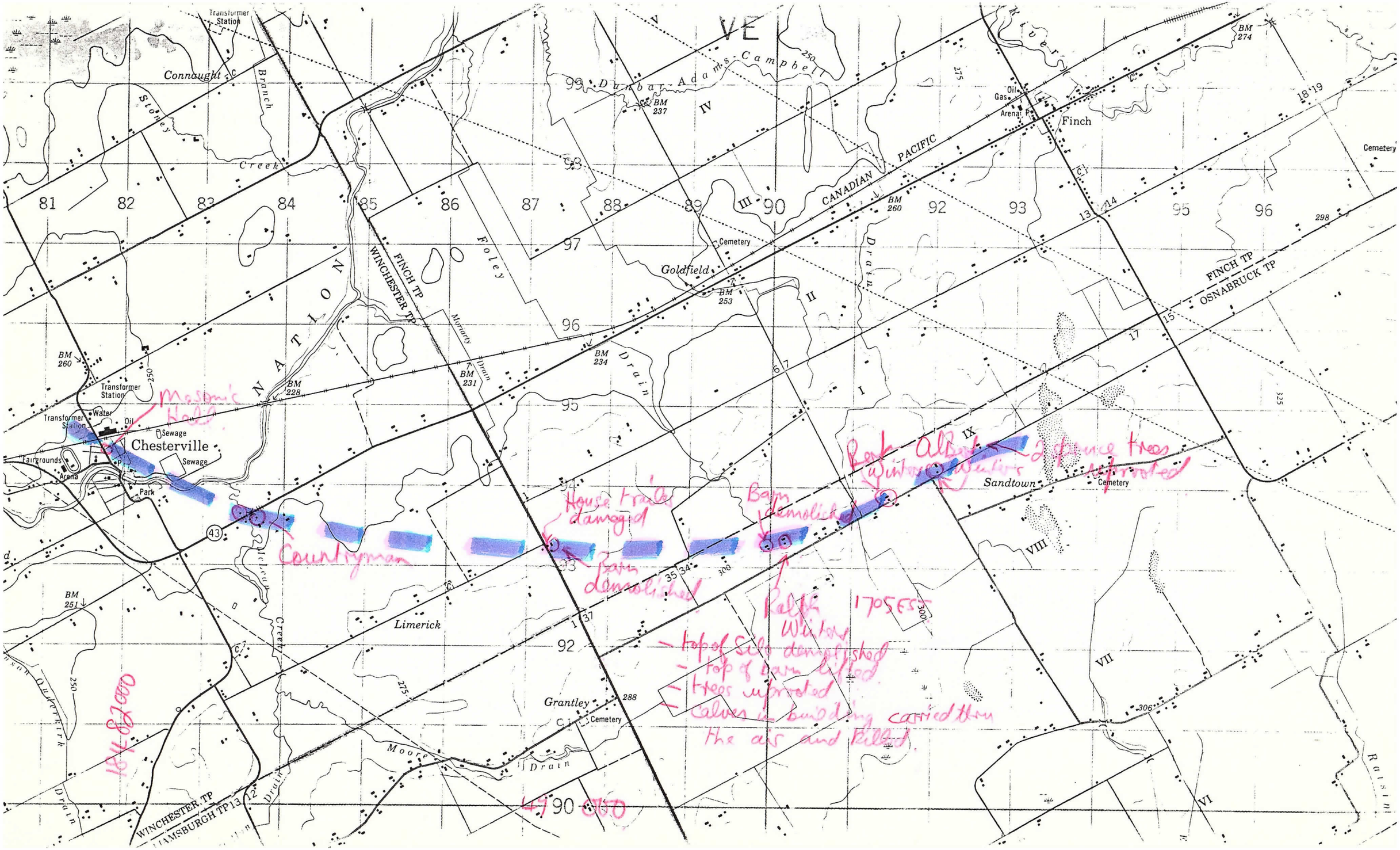
NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ = 270°


Chesterville
Goldfield
Finch
Sandtown
Limerick
Grantley
Connaught
Dunbar-Adams-Campbell Drain
Foley Drain
Moriarty Drain
Moore Drain
Mclean Creek
Stoney Creek Branch
FINCH TP
WINCHESTER TP
OSNABRUCK TP
WINCHESTER TP
TRAMSBURGH TP
CANADIAN PACIFIC
NATION
Masonic Hall
Countryman
House trailer damaged
Barn demolished
Barn demolished
Park Albert Winters
2 spruce trees uprooted
Ralph Winters 1705 ESS
- top of silo damaged
- top of barn lifted
- trees uprooted
- calves in building carried thru the air and killed.
194 & 3000
49 90 350