C

TORNADO PROJECT SUMMARY SHEET F=0 (PE. OCT. 21/80).

1. DATE AND TIME: JULY 26 1978. ABOUT 1900 E.S.T.

2. LOCATION OR PATH (attach map): MARKDALE VICINITY.

069847

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

4. PATH WIDTH: U

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 $ U

11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE

13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES

Phone conversation with Mrs Green (519) 986-2816 and Mrs Thompson (519) 986-3466. (Both record events in a diary).

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

Minor damage occurred and the path of damage appears to be to the N.N.E. There was a tornado in Guelph on this day.

4187

WORKSHEET

IDTO 0697847

30C

① ORIGIN x 17528000

y 4917700

⑤ Standard Error S_x

② LIFT-OFF x_1

y_1

⑥ Standard Error S_y

③ $(x_1 - x) =$.

④ $(y - y_1) =$

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 $\boxed{\rightarrow r, \theta}$ = . .

$\boxed{x \leftrightarrow y}$ = .

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

⑤+⑥ $\boxed{\rightarrow r, \theta}$ = ..

⑩ $\beta = \dfrac{\tan^{-1} S_L}{L}$

⑦+⑨ $\boxed{\rightarrow r, \theta}$

$\boxed{x \leftrightarrow y}$ =

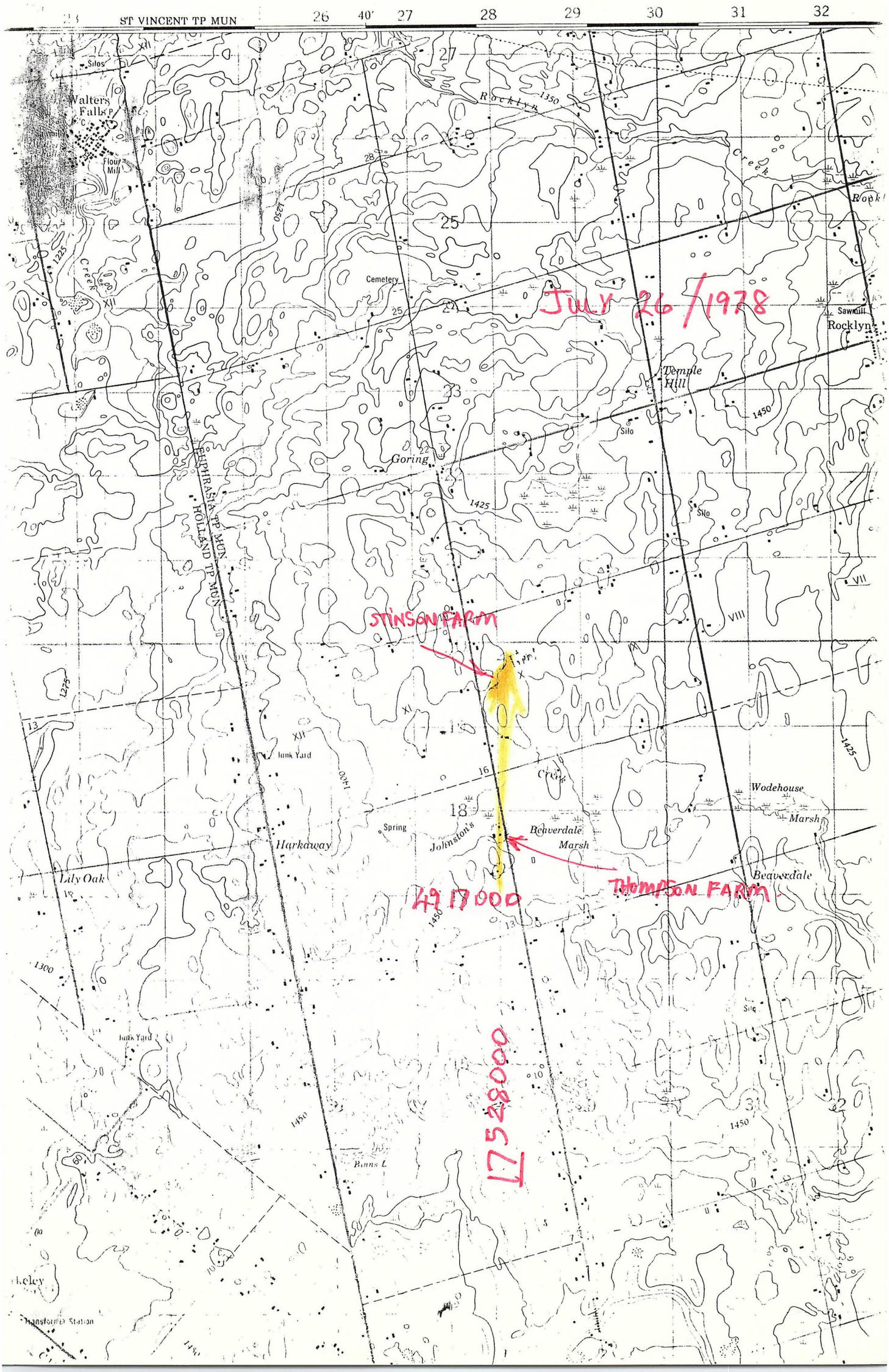
NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

⑪ $\phi =$


ST VINCENT TP MUN
Walters Falls
Flour Mill
Silos
Rocklyn
Creek
Cemetery
Goring
Temple Hill
Sawmill
Silo
HOLLAND TP MUN
STINSON FARM
Junk Yard
Harkaway
Spring
Johnston's
Beaverdale Marsh
Wodehouse Marsh
Beaverdale
Lily Oak
THOMPSON FARM
4917000
17529000
Burns L
July 26/1978

Phone conversation with Mrs. GREEN (519) 986-2816
and Mrs Thompson (519) 986-3466., by R. Elliott
Information given on a storm which
passed through the area about 8 pm
July 26 1978 (Same day as Guelph tornado).

The storm struck about 8 pm and was accompanied by heavy rain, thunder and lightning.

A large maple tree was uprooted on the Thompson farm.

A child plastic swimming pool was picked up and carried across the road and into a field several hundred meters away.

A telephone pole was snapped off, and hydro disrupted.

A harvester wagon was turned over on its side on the Thompson farm.

At the Ray Stinson farm a barn roof was partially unroofed at the S.W. corner

Mrs Green wrote in her diary that there was other damage in the area, but was not specific about this