A

TORNADO PROJECT SUMMARY SHEET

F=0 ONT

1. DATE AND TIME 10 August 1971 TIME UNKNOWN

2. LOCATION OR PATH (attach map) TOUCHDOWN IN OAKVILLE

0697106

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

4. PATH WIDTH NOT KNOWN 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; (7) SOUND LIKE A FREIGHT TRAIN

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

10. TOTAL DAMAGE ESTIMATE $ UNKNOWN 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES

STAR, TORONTO 11·8·1971

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

"PART OF A VIGOROUS SQUALL LINE WHICH PRODUCED STRONG AND GUSTY WINDS AS FAR NORTH AS NORTH BAY (70 MPH). A FUNNEL CLOUD SIGHTED AT LONDON, 1/2 INCH HAIL AT WINDSOR, HOUSES UNROOFED IN SARNIA. IN OAKVILLE A FUNNEL CLOUD TOUCHED DOWN DESTROYING A BARN. BOB JEFFREYS, WHO LIVES ON THE FARM WHERE THE BARN WAS FLATTENED SAID 'THE WIND WAS GOING AROUND AND AROUND. IT CAME LIKE A FREIGHT TRAIN. IT GOT SO DARK I COULDN'T SEE AND WHEN IT WAS GONE THE BARN HAD DISINTEGRATED."

WORKSHEET

IDTO 069106

$l = 14\,000$

$w = 500$

(1) ORIGIN x 1760200

y 4813700

(5) Standard Error S_x

R 764

(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) $\boxed{\rightarrow r,\theta}$

$\boxed{x \leftrightarrow y}$ =

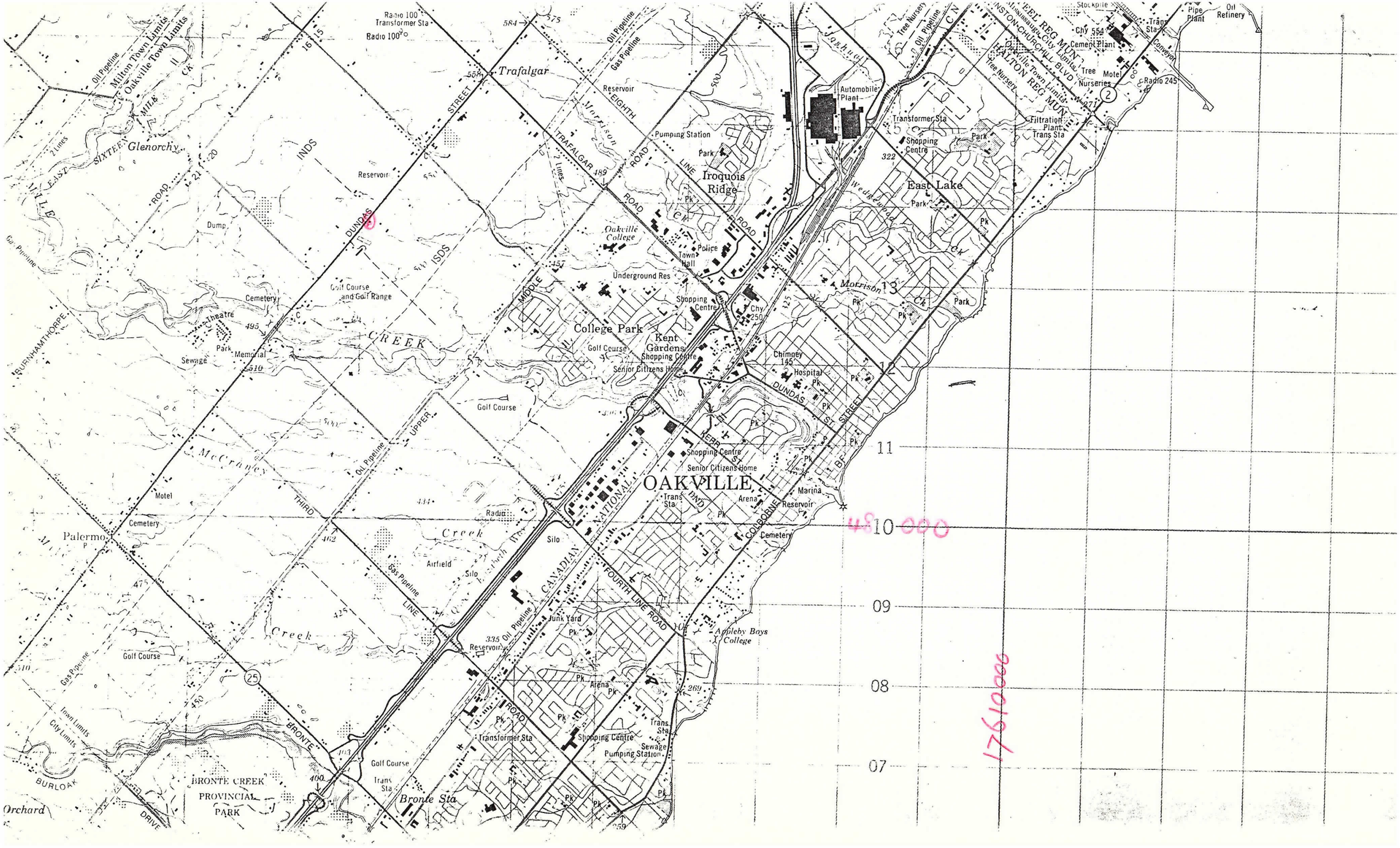
NE quad $\phi = 90 - \alpha$

NW quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ =


OAKVILLE
Trafalgar
Glenorchy
Iroquois Ridge
East Lake
College Park
Kent Gardens
Palermo
Bronte Sta
BRONTE CREEK PROVINCIAL PARK
Oakville College
Appleby Boys College
Morrison Ck
McCraney Creek
Sixteen Mile Creek
Fourth Line Creek
Middle Creek
Upper Middle Creek
Dundas St
Trafalgar Road
Third Line
Fourth Line Road
Bronte Road
Eighth Line
Lakeshore Road
Queen Elizabeth Way
Canadian National
Hospital
Shopping Centre
Senior Citizens Home
Golf Course
Cemetery
Reservoir
Pumping Station
Transformer Sta
Trans Sta
Arena
Marina
Park
Motel
Junk Yard
Automobile Plant
Filtration Plant
Oil Pipeline
Gas Pipeline
Police
Town Hall
Underground Res
Chimney
Radio
Silo
Airfield
Dump
Sewage
Memorial
Theatre
Tree Nurseries
Cement Plant
Oil Refinery
Pipe Plant
Conveyor
Stockpile
Milton Town Limits
Oakville Town Limits
Mississauga City Limits
Halton Reg Mun
Burloak Drive
Wedgewood
Joshua
Inds
Pk
10 000 34
1761000