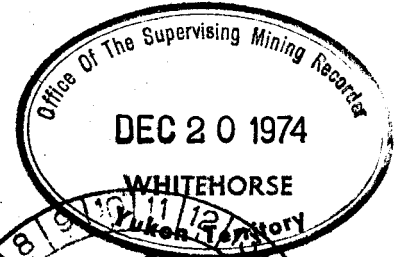


A PRELIMINARY REPORT

ON

A GRAVITY SURVEY

Anvil Area, Whitehorse M.D.
Yukon Territory



FOR

CYPRUS ANVIL MINING CORPORATION

Faro, Yukon Territory

BY

PETER E. WALCOTT & ASSOCIATES LIMITED

Vancouver, British Columbia

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 11,575.00

J.B. Craig
Resident Geologist or
Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act

Phillips
Commissioner of Yukon Territory
ADMINISTRATOR OF THE YUKON TERRITORY

AUGUST 1974

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PROFILES OF BOUGUER GRAVITY, SURFACE ELEVATIONS..... Scale 1" = 200'	W-176-1 to 4
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CONTOURS OF BOUGUER GRAVITY	
Scale 1" = 400'	W-176-6

INTRODUCTION

Between March 15th and April 14th, 1974, Peter E. Walcott & Associates Limited carried out a gravity survey over parts of the PEA, BP, and DP claims held by Cyprus Anvil Mining Corporation.

The surveys were carried out on handcut lines 800 feet apart over part of a recent grid on which a Turam electromagnetic survey had been previously conducted.

Measurements of relative gravity were made every 100 feet along the picket lines using a CG-2 gravity meter. In addition elevations at each of the gravity stations were obtained using a Sokkisha TM-20C theodolite and rod.

The data was then processed and presented in profile and contour form on Maps W-176-1 to 6 that accompany this report.

PROPERTY, LOCATION AND ACCESS

The property, consisting of the PEA, BP and DP claims, is located in the Whitehorse Mining District of the Yukon Territory.

The claims are situated on the south side of Swim Lake about 16 miles east of the town of Faro.

Access was obtained by four wheel drive vehicle along the Swim Lake road which had been previously cleared of snow by a D6 tractor.

PURPOSE

The purpose of the survey was to try and locate by the gravimetric method the presence of any mineralized deposits.

It was anticipated that a typical deposit of the area should give an anomaly of 0.5 milligals or better.

PREVIOUS WORK

Previous work on the property consisted of airborne magnetic and electromagnetic surveying, geological mapping and prospecting, geochemical surveying, and ground magnetic and Turam electromagnetic surveying.

The results of the above work are documented in reports held by Cyprus Anvil Mining Corporation.

GEOLOGY

The reader is referred to the previously mentioned reports by the staff of Cyprus Anvil Mining Corporation.

SURVEY SPECIFICATIONS

The gravity survey was carried out using a Scintrex CG-2 gravity meter, which measures variations in the earth's gravitational field to an accuracy of ± 0.01 milligals.

Values of observed gravity were obtained every 100 feet along the picket lines. Corrections for meter drift were made by tying-in to previously established base stations at intervals not exceeding 2 to 3 hours. Drifts of over 0.10 milligals per hour were not allowable.

The elevations of the gravity stations were determined by rod and transit (Sokkisha TM-20C) using the stadia method. Errors in the tying-in of loops were kept to a minimal, this being dependent on the severity of the topography but less than 0.5 feet per loop.

The density to be used in applying corrections for differences in elevations was determined by calculating the Bouguer gravity for a couple of lines using various densities and determining the gravity profile and subsequently the density least reflecting the topography. A density of 2.3 gm/cc was then used in the computation.

A density of 2.7 gm/cc was also used in the computation. This was the density used on a previously done gravity survey to the south.

Corrections were then applied to the observed gravity for differences in elevation and latitude.

The final Bouguer gravity values were then plotted and contoured.

DISCUSSION OF RESULTS

At a first glance no gravity anomalies of significance were observed on the map.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Between March 15th and April 14th, 1974, Peter E, Walcott & Associates Limited carried out a gravity survey over a property held by Cyprus Anvil Mining Corporation.

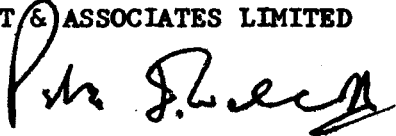
The property, i.e. the PEA, BP & DP claims, is located in the Anvil area of the Yukon Territory.

The survey failed to locate the presence of any anomalies considered worthy of further investigation by the writer.

As a result the writer recommends that no further work, based on the geophysical results, be carried out on the area surveyed at this time.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LIMITED


Peter E. Walcott, P.Eng.
Geophysicist

Vancouver,
British Columbia
August 1974

A P P E N D I X

COST OF SURVEY

Peter E. Walcott & Associates Limited undertook the survey on a daily basis. Mobilization, data reduction, report writing and draughting costs were extra so that the total cost to date for services provided was \$13,075.00.

PERSONNEL EMPLOYED ON SURVEY

<u>Name</u>	<u>Occupation</u>	<u>Address</u>	<u>Dates</u>
Peter E. Walcott	Geophysicist	Peter E. Walcott & Assoc. 605 Rutland Court, Coquitlam, B.C.	Aug. 1 - 5th, 74
G. MacMillan	Geophysical Operator	"	Mar. 15th - Apr. 14 1974
A. Cameron	Geophysical Operator	"	"
S. Scurvey	Helper	"	"
P. Charlie	"	"	Mar. 31st, Apr. 4th & 5th, 1974
J. Walcott	Typing	"	Aug. 26th, 1974
J. Winfield	Draughting	Altair Drafting Ltd., Vancouver, B.C.	June 1st - 30th, 1974

CERTIFICATION

I, Peter E. Walcott of the Municipality of Coquitlam, British Columbia, hereby certify that:

1. I am a Graduate of the University of Toronto in 1962 with a B.A.Sc. in Engineering Physics, Geophysics Option.
2. I have been practising my profession for the last twelve years.
3. I am a member of the Association of Professional Engineers of British Columbia, Ontario and the Yukon Territory.
4. I hold no interest, direct or indirect, in the securities or properties of Cyprus Anvil Mining Corporation, nor do I expect to receive any.



Peter E. Walcott, P.Eng.

Vancouver,
British Columbia

August 1974

BASELINE 2 N 4 N 6 N 8 N 10 N 12 N 14 N 16 N 18 N 20 N 22 N 24 N 26 N 28 N 30 N 32 N 34 N 6 N 38 N 40 N 42 N 44 N 46 N 48 N

L. 208 W

L. 208 W

L. 200 W

L. 200 W

L. 192 W

L. 192 W

L. 184 W

L. 184 W

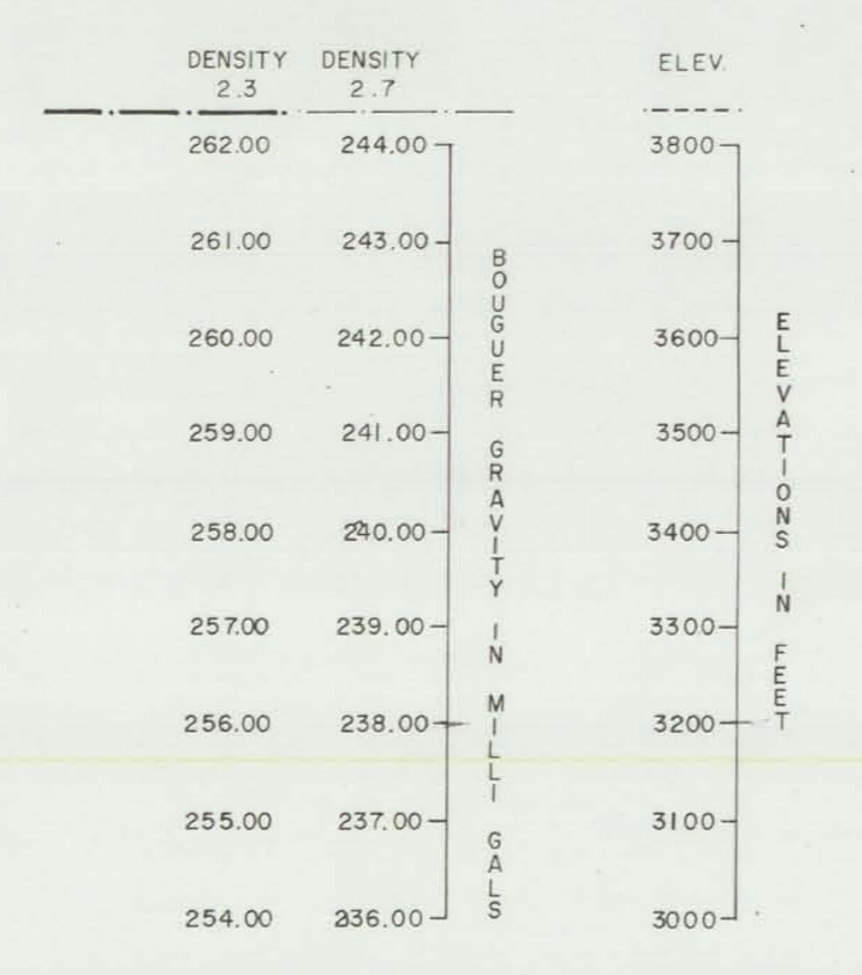
L. 176

L. 176 W

L. 168 W

L. 168 W

12 S 10 S 8 S 6 S 4 S 2 S BASELINE 2 N 4 N 6 N 8 N 10 N 12 N 14 N 16 N 18 N 20 N 22 N 24 N 26 N 28 N 30 N 32 N 34 N 36 N 38 N 40 N 42 N 44 N 46 N 48 N 50 N



ANVIL MINING CORP LTD.
 PEA-BP-DP GRID, ANVIL AREA, WHITEHORSE M.D., Y.T.

GRAVITY SURVEY
 PROFILES OF BOUGUER GRAVITY AND ELEVATIONS

SCALE: 1 INCH = 200 FEET

MAP NO W-176-1
 TO ACCOMPANY A REPORT BY PETER E. WALCOTT & ASSOC. LTD.
 PETER E. WALCOTT P. Eng., DATED AUGUST 1974

MARCH-APRIL 1974



16-S 14-S 12-S 10-S 8-S 6-S 4-S 2-S B.L.

L 160-W L 160-W

20-S 18-S

L 152-W L 152-W

26-S 24-S 22-S

L 144-W L 144-W

32-S 30-S 28-S

L 136-W L 136-W

L 128-W L 128-W

42-S 40-S 38-S 36-S 34-S 32-S 30-S 28-S 26-S 24-S 22-S 20-S 18-S 16-S 14-S 12-S 10-S 8-S 6-S 4-S 2-S B.L.

L 120-W L 120-W

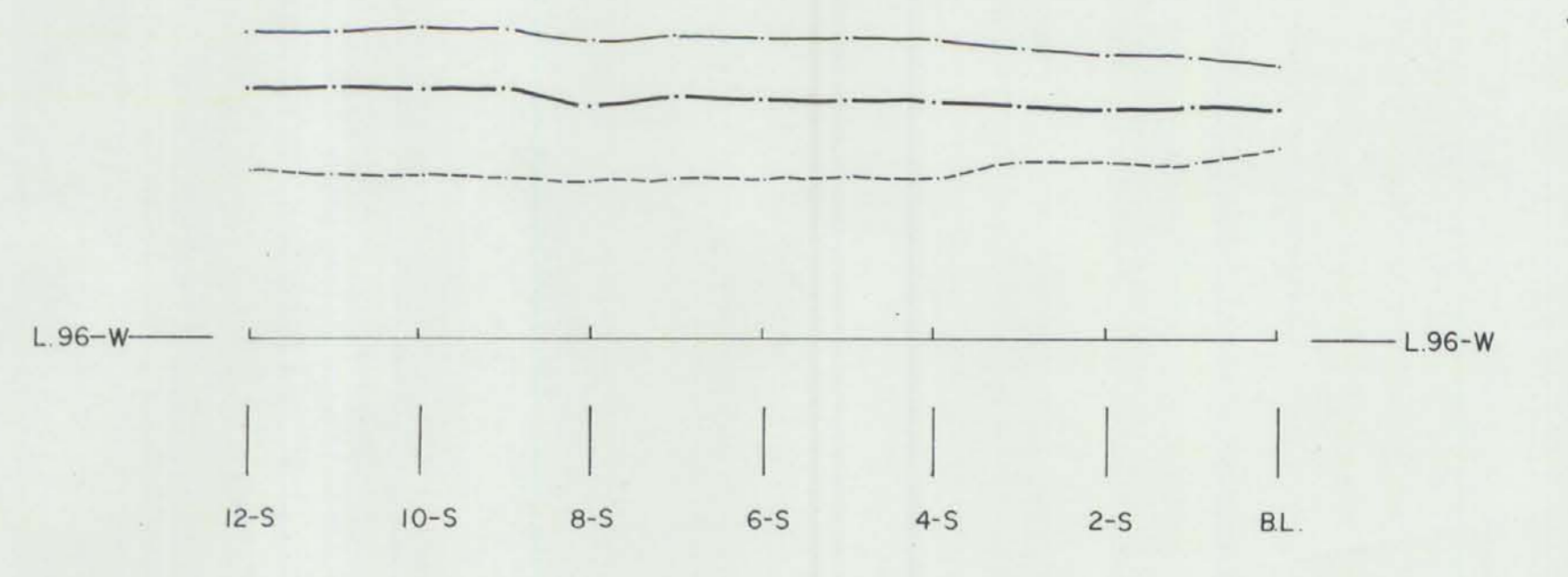
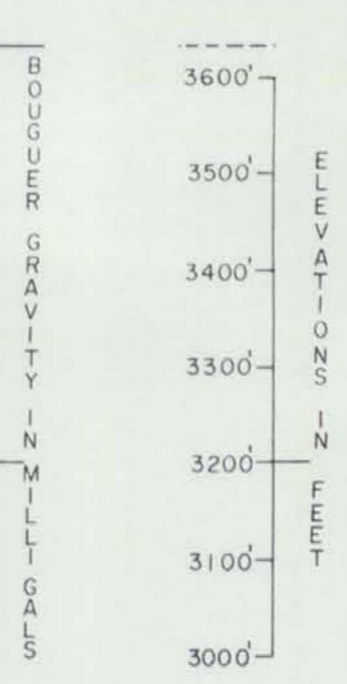
L 112-W L 112-W

42-S 40-S 38-S 36-S 34-S 32-S 30-S 28-S 26-S 24-S

L 104-W L 104-W

22-S 20-S 18-S 16-S 14-S

DENSITY 2.3	DENSITY 2.7
260.00	242.00
259.00	241.00
258.00	240.00
257.00	239.00
256.00	238.00
255.00	237.00
254.00	236.00



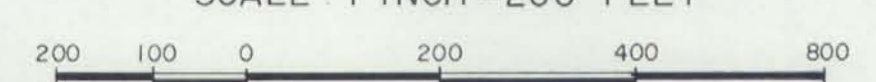
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GRAVITY SURVEY

PROFILES OF BOUGUER GRAVITY AND ELEVATIONS

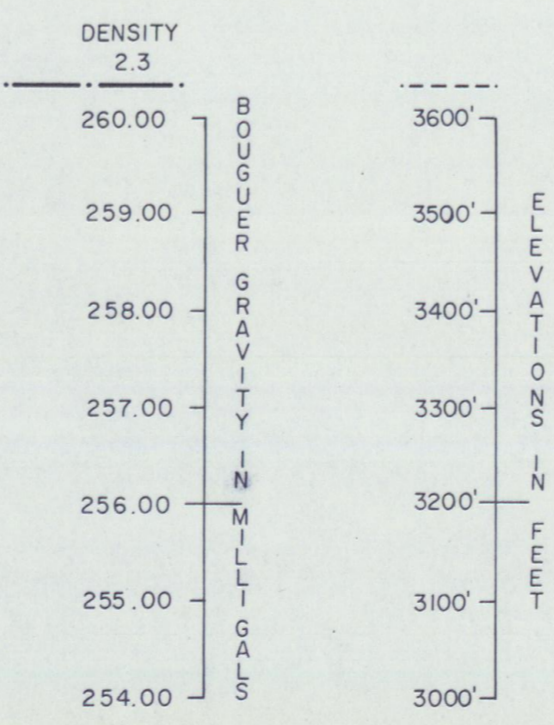
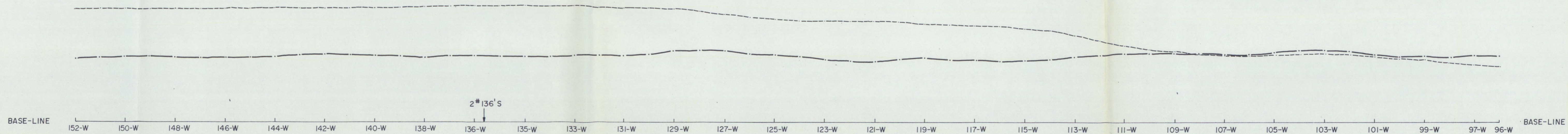
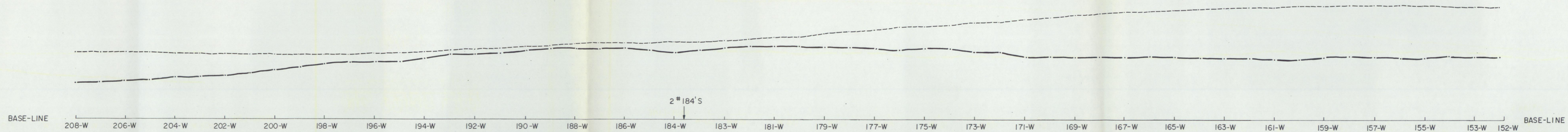
SCALE 1 INCH = 200 FEET



MAP NO. W-176-3
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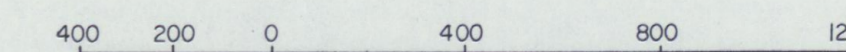
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PEA-BP-DP GRID, ANVIL AREA, WHITEHORSE M.D., Y.T.

GRAVITY SURVEY

PROFILES OF BOUGUER GRAVITY & SURFACE ELEVATIONS

SCALE: 1 INCH = 200 FEET



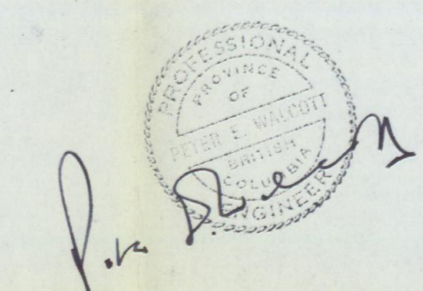
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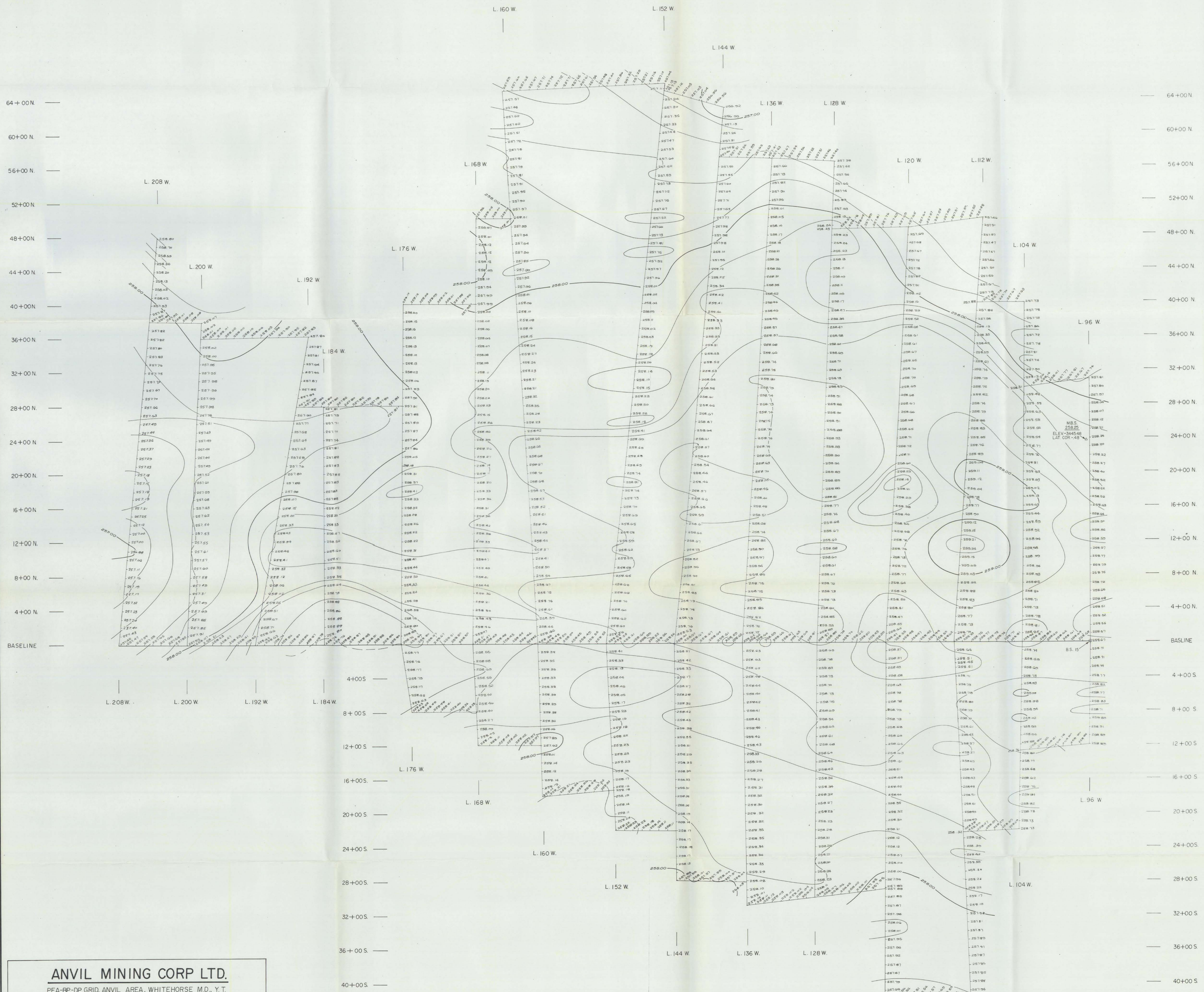
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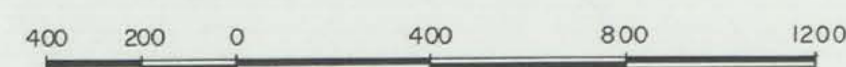
ANVIL MINING CORP. LTD.

PEA-BP-DP GRID, ANVIL AREA, WHITEHORSE M.D., Y.T.

GRAVITY SURVEY

CONTOURS OF BOUGUER GRAVITY
(MILLIGALS, $\rho = 2.3$)

SCALE: 1 INCH = 400 FEET



MAP NO W-176-6
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