



# HOSFORD, IMPEY, WELTER AND ASSOCIATES LTD.

LEGAL SURVEYS - ENGINEERING - EXPLORATION SERVICES

P.O. BOX 4418, WHITEHORSE, YUKON TERRITORY Y1A 3T5

TELEPHONE 403 - 667-6258 TELEX 036-8-205

006515

A. DENIS HOSFORD, A.L.S., B.C.L.S.  
HUGH E. IMPEY, A.L.S., M.L.S., S.L.S., C.L.S.  
J. FRED WELTER, A.L.S., C.L.S., ALASKA  
BRIAN HUBER, A.L.S.  
LORNE E. McNEICE, A.L.S., C.L.S.  
AMBROSE J. WRZOSEK, A.L.S.  
VINCENT ZIEGLER, A.L.S.

OUR FILE NO. \_\_\_\_\_

YOUR FILE NO. \_\_\_\_\_

March 5, 1982

Cyprus Anvil Mining Corp.  
P.O. Box 1000  
Faro, Y.T.

Attention: Jack Bowers

Dear Jack,

Re: Open Pit Control Survey Extension - February, 1982.

I enclose herewith my report and copies of the adjustments on the above. The trilateration, triangulation and combined free adjustment have not been included in this report in that the minor differences in the adjusted coordinates may cause some confusion. Please note that the Compass adjusted values performed in the field agree generally within  $\pm 3$  cm. For most of your work this would be satisfactory. If I can be of further assistance please call.

Yours truly,

J.F. Welter, A.L.S., C.L.S.

JFW/bi  
enc.

ASSOCIATED COMPANY

NORTH WEST SURVEY CORPORATION INTERNATIONAL LTD.  
AERIAL PHOTOGRAPHY AND PHOTOGRAMMETRIC MAPPING

GRANDE PRAIRIE

EDMONTON

YELLOWKNIFE



# HOSFORD, IMPEY, WELTER AND ASSOCIATES LTD.

LEGAL SURVEYS - ENGINEERING - EXPLORATION SERVICES

P.O. BOX 4418, WHITEHORSE, YUKON TERRITORY Y1A 3T5

TELEPHONE 403 - 667-6258 TELEX 036-8-205

A. DENIS HOSFORD, A.L.S., B.C.L.S.  
HUGH E. IMPEY, A.L.S., M.L.S., S.L.S., C.L.S.  
J. FRED WELTER, A.L.S., C.L.S., ALASKA  
BRIAN HUBER, A.L.S.  
LORNE E. McNEICE, A.L.S., C.L.S.  
AMBROSE J. WRZOSEK, A.L.S.  
VINCENT ZIEGLER, A.L.S.

OUR FILE NO. \_\_\_\_\_

YOUR FILE NO. \_\_\_\_\_

April 20, 1982

Cyprus Anvil Mining Corp.  
P.O. Box 1000  
Faro, Y.T.

Attention: Jack Bowers

Dear Sir,

Re: Report on the Open Pit Control Survey, Anvil Area  
Map Sheets 105 K/5 & 6, Y.T. - February, 1982.

With reference to the above report forwarded to you on March 5, 1982,  
we apologize for the error found on Page 8.

We enclose herewith corrected copies of Page 8.

Yours truly,

B. Irving,  
Sec. to:  
J.F. Welter, A.L.S., C.L.S.

/bi  
enc.

ASSOCIATED COMPANY

NORTH WEST SURVEY CORPORATION INTERNATIONAL LTD.

AERIAL PHOTOGRAPHY AND PHOTOGRAMMETRIC MAPPING

GRANDE PRAIRIE

EDMONTON

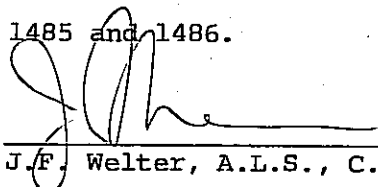
YELLOWKNIFE

CONCLUSION

The open pit control survey performed in February, 1982, was successfully adjusted using the least squares plane coordinate adjustment and the least squares elevation adjustment. From the relative positions of the interstation error ellipses the network can be classified as second order in accordance with Geodetic Survey of Canada 1978 specifications. As all of the field measurements and subsequent reduction and adjustments were in metres and the Cyprus Anvil Mine operates on imperial measure the final coordinates and elevations in feet are as follows:

Station Number	Mine Coordinates Northings	Mine Coordinates Eastings	Mine Elevations
1483	9,656.21	17,886.09	4772.45
1485	10,701.19	12,298.09	4356.34
1486	6,062.55	14,763.20	4014.26
20016	9,289.00	16,716.38	4346.98
81063	8,264.83	14,935.80	4062.32
81064	7,422.84	14,591.83	4015.75
81065	6,986.84	14,797.90	4028.19
81066	6,702.09	15,290.76	4015.25
81067	7,178.57	15,960.26	4015.66

Coordinates and elevations have been derived from published values of 1483, 1485 and 1486. Measured distances have been reduced to the datum elevation of 1485 (Tri 18). Coordinates have not been corrected for scale factor. Elevations have been derived from the published elevations of 1483, 1485 and 1486.

  
\_\_\_\_\_  
J.F. Welter, A.L.S., C.L.S.

# NORTH WEST SURVEY CORPORATION (YUKON) LIMITED

AERIAL AND TERRESTRIAL PHOTOGRAPHY AND MAPPING

Telephone 403-452-1450

Telex: 037-2169

12920 - 127th Street  
EDMONTON 44, ALBERTA

Box 4418,  
Whitehorse, Y.T.

20th October, 1972

Mr. Bill Krats,  
Chief Engineer,  
Anvil Mining Corporation,  
P.O. Box 1000,  
Faro, Y.T.

Dear Mr. Krats,

Re: Photogrammetric Volume Calculation, Anvil Open  
Pit, Anvil, Y.T.

Further to the conversation Krats - Welter of October 2nd, 1972 regarding the above, I pass on the following summary of the program to date.

Horizontal and vertical control targets were established and aerial photography was taken by our firm in the Anvil Mine area in 1971. An original datum was established by taking as many digitized elevation readings from the 1971 photos as possible in the undisturbed areas around the pit. The remaining elevation readings for the excavated or filled areas were derived from the old Lockwood topographic map (1965) of the area. A computer program converted these readings to digitized readings of the original surface of the pit area related to the information obtained from the 1971 photos. Thus an artificial datum surface was obtained and stored in the computer. The actual pit surface read in 1971 was compared with this artificial datum surface to give the volume of the pit and as a result this volume was subject to some error. All subsequent surface elevations also will be compared with this artificial datum surface so that the difference between the volumes calculated from any two sets of photography will be accurate.

Last year the cross section readings were taken at intervals of 25 feet and the volume was computed twice: once using all the readings and again using only alternate ones, i.e. at intervals of 50 feet. I enclose a copy of these final results obtained which show a difference between the volumes of just over 2%. Should you feel that the results obtained from the 50 foot intervals are accurate enough, I enclose an alternate price.

Mr. Bill Krats

- 2 -

20th October, 1972

Previously you were supplied with a copy of all three computer reports generated, since it was the initial run, but this time only report 3 tabulating the area of each of the cross sections read and the calculated volume would be supplied.

The firm price quotations are as follows -

Volumetric computation from 1972 photos and comparison with 1971 volume:

Cross section read every 25 feet .....	\$2,750.00
Cross section read every 50 feet .....	2,000.00

*Order sheet this one*

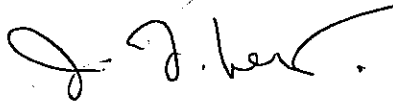
Planimetric only map of pit area on reproducible cronaflex at a scale of 1" = 100' showing location of cross sections:

Pencil manuscript only .....	\$ 300.00
Fair drawn form .....	400.00

*\$*

I await your decision on the above.

Yours sincerely,



J. F. Welter

JFW/gm

c.c. A.D. Hosford,  
Northwest Survey Corp. Ltd.,  
Edmonton.

ANVIL PIT

DETERMINATION OF PIT VOLUME

TOTAL VOLUME OF TAILINGS - 525723.82 CU. YDS.

TOTAL VOLUME OF PIT - 14991654.63 CU. YDS.

14991654.63

369.000

ANVIL PIT

DETERMINATION OF PIT VOLUME

TOTAL VOLUME OF TAILINGS - 521763.27 CU. YDS.

TOTAL VOLUME OF PIT - 14677232.56 CU. YDS.

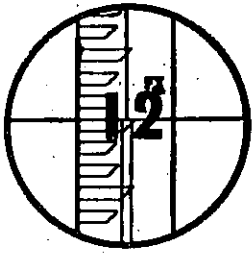
PERCENTAGE DIFFERENCES FROM PREVIOUS RESULTS

TAILINGS - -0.75 %

PIT - -2.10 %

STOP 0

18:21.15 27.796 RC=0



# HOSFORD, IMPEY AND WELTER LIMITED

LEGAL SURVEYS - ENGINEERING

EDMONTON, ALTA.  
12920 - 127 ST.  
TELEPHONE: 403-452-1450

GRANDE PRAIRIE, ALTA.  
10404 - 100 ST.  
TELEPHONE: 403-532-2343

YELLOWKNIFE, N.W.T.  
P.O. BOX 1409  
TELEPHONE: 403-873-2092

WHITEHORSE, YUKON  
P.O. BOX 4418  
TELEPHONE: 403-667-4258

Whitehorse, Y.T.

November 26, 1974

Mr. Jack Devitt  
Cyprus Anvil Mining Corp.  
P.O. Box 1000  
Faro, Y.T.

Dear Jack:

Re: Survey - Carmack's Coal Mine, Y.T.

After meeting with Dave Bohach, I spent considerable time thinking about your survey requirements on the above.

I would first like to suggest that the work be delayed until mid-January if possible to coincide with other underground survey work we have in the Yukon at that time. In past years and again this year we have brought our gyrotheodolite up from our Edmondon office for use in underground surveys. It would be invaluable to use on the Carmack's coal mine survey. Some time would also be required to fabricate a long mounting bar and steel pegs for setting the transit on. I feel that a three man crew would be required on the survey and I estimate that to complete the work that Dave Bohach outlined would take approximately ten to twenty working days. The all inclusive charge would be approximately \$400.00/working day. Reduction, computation and presentation of the results would be immediate in that the information would be computed daily.

If you have any further instructions please contact the writer. I await your comments and instructions.

Yours truly,

J.F. Welter

JFW/bi

Cyprus Anvil Mining Corporation

Post Office Box 1000

Telex 036-8-208

Faro, Yukon Territory

Y0B 1K0

Telephone 403) 994-2600

December 10, 1974

Mr. J. Fred Welter  
Hosford, Impey and Welter Ltd.  
P.O. Box 4418  
Whitehorse, Yukon Territory

Re: Carmacks Coal Mine Survey

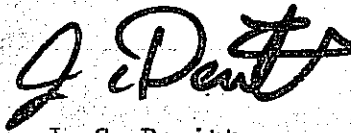
Dear Sir:

I would like to extend my thanks for taking the time to meet with Dave Bohach on the above project and for submitting your quotation of November 26, 1974.

After a careful review of your proposal and our needs with respect to this project, we have decided to postpone the job until mid February, at which time our own surveying capabilities will be sufficient to perform the necessary work ourselves.

Many thanks, also, for the prompt forwarding of requested copies of the Yukon Quartz Mining Act and publications dealing with grid systems used in the area.

Very truly yours,



J. C. Devitt  
Chief Mining Engineer

JCD/ld

cc. R. H. Marshall  
N. G. Cornish

**CYPRUS**

File - Surveys  
Conversations with J. J. Walter

April 1975

Original elevation for DDH-1, which was basis for A-mil coordinate system, was interpolated of location on 1:50,000 topographic maps and checked with barometric elevation at airport.

Original survey work was done in 1965. There were no ground trig stations in area. Grid from mine was run to townsite

UG, PE, FL control stations were run by WHE, but vert. control was not carried. Calculated vert. control would be only 4th or 5th order

Govt. geodetic surveys were through last summer and ran level loop up river from Pass R. to bridge at townsite. Found townsite elevations to be about 100' different from geodetic elevations.

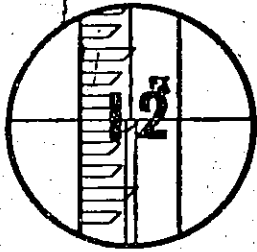
F.W. trying to get info. from govt. on prelim. results for their points, but none yet. Loop will be continued to Cornacks and closed before final results are available - several years

WHE ran  $\frac{1}{2}$  of proposed A-mil Mine - Vargader cabin road - elevs. were carried, but all points fell ~~out~~ within later roadway and were later destroyed by construction.

R & R DB, DH, DG, GG, KM, DP

# HOSFORD, IMPEY AND WELTER LIMITED

LEGAL SURVEYS - ENGINEERING



EDMONTON, ALTA.  
12920 - 127 ST.  
TELEPHONE: 403-452-1450

GRANDE PRAIRIE, ALTA.  
10404 - 100 ST.  
TELEPHONE: 403-532-2343

YELLOWKNIFE, N.W.T.  
P.O. BOX 1409  
TELEPHONE: 403-873-2092

WHITEHORSE, YUKON  
P.O. BOX 4418  
TELEPHONE: 403-667-6258

Whitehorse, Y.T.

June 24, 1975

Glen Simpson, Exploration Manager  
Cyprus Anvil Mining Corp.  
P.O. Box 1000  
Faro, Y.T.

Dear Glen,

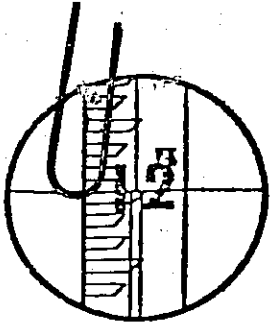
Re: Elevation determination on geodetic datum, Anvil Mine Area  
and Swim Lakes Area, Y.T.

Further to our discussion in Faro on June 18, 1975, we confirm here-  
with that we will perform the above using simultaneous reciprocal trigono-  
metric levelling procedures from a geodetic datum bench mark established  
by ourselves for Kerr Addison on their GRUM project. We expect charges  
in the order of \$500 to provide an elevation in the Anvil Mine Area and  
in the order of \$1000 to \$1500 in the Swim Lakes Area, we will make use  
of the Transwest helicopter on contract to yourself in the Faro Townsite  
for the Swim Lakes portion of the project. We expect to perform same  
June 23-28, 1975.

Yours truly,

J.F. Welter

JFW/bi  
c.c. to: Jack Devitt



# HOSFORD, IMPEY AND WELTER LIMITED

LEGAL SURVEYS - ENGINEERING

EDMONTON, ALTA.  
12920 - 127 ST.  
TELEPHONE: 403-452-1450

GRANDE PRAIRIE, ALTA.  
10404 - 100 ST.  
TELEPHONE: 403-512-2343

YELLOWKNIFE, N.W.T.  
P.O. BOX 1409  
TELEPHONE: 403-873-2092

WHITEHORSE, YUKON  
P.O. BOX 4418  
TELEPHONE: 403-667-6258

Whitehorse, Y.T.  
August 4, 1975

Glen Simpson  
Cyprus-Anvil Mining Corp. Ltd.  
P.O. Box 1000  
Faro, Y.T.

Dear Glen:

RE: Trigonometric Elevation Determination, Swim Lakes  
- VanGorda - Cyprus-Anvil Minesite area, Y.T. on  
Geodetic Datum.

I enclose the results of our survey work in the Swim Lakes  
area performed the 24th and 25th of June, 1975.

	<u>North</u>	<u>East</u>	<u>Elev.</u>
HIW 3	22,655,758.4	311,492.1	4039.4
HIW 7	22,663,519.9	300,230.0	4308.9
HIW A	22,652,109.0	319,270.4	3934.6
HIW B	22,638,728.8	345,512.0	3011.6

Admin. Bldg.

Millsite Area 22,691,540      271,260

Elevation to top of hydrant approximately  
50 feet east of Administration building      3776.4

Elevation on concrete steps on north  
entrance to Administration building (top  
corner of steps)      3773.9

Stations HIW 3 and HIW 7 are control stations placed in the  
Kerr Addison - Grum Control Survey and are monumented with 5/8"  
rebar with 4"x4"x4' red posts.

Station HIW A is a 5/8" rebar with 4"x4"x4' red post 30 feet  
north of Vangorda road on the highest point of rock outcrop  
approximately 3 1/2 miles east of Kerr Addison camp.

Station HIW B is 5/8" rebar with 4"x4"x4' red post 10 feet  
from edge of Swim Lake and 4.35 feet above water level. The

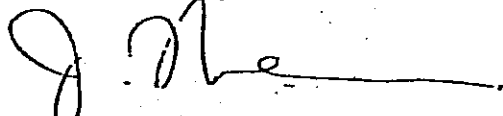
... 2

August 4, 1975

Work was performed using simultaneous trigonometric levelling techniques which have provided checks on our elevations in the order of plus or minus 0.5 feet over the various stations. The coordinates provided are on the Territorial Plane Coordinate System and are an open traverse from VG4, VG5, VG7 and VG8 and have not been balanced into control stations adjacent to them. We would expect horizontal coordinates on these stations to be in the order of plus or minus five feet.

I also enclose herein our invoice for the above.

Yours truly,

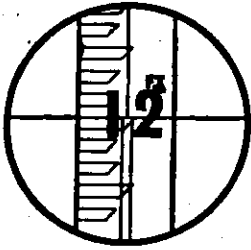


J. F. Welter

JFW/dl

cc - Jack Devitt

26. AUG. 1976



# HOSFORD, IMPEY AND WELTER LIMITED

LEGAL SURVEYS — ENGINEERING — EXPLORATION SERVICES

TELEPHONE: 403-452-1450  
EDMONTON, ALTA.  
12750 - 127 ST.  
T5L 1A5

TELEPHONE: 403-532-2343  
GRANDE PRAIRIE, ALTA.  
10404 - 100 ST.  
T8V 2M2

TELEPHONE: 403-873-2082  
YELLOWKNIFE, N.W.T.  
P.O. BOX 1409  
X0E 1H0

TELEPHONE: 403-667-6268  
WHITEHORSE, YUKON  
P.O. BOX 4418  
Y1A 3T5

Whitehorse, Y.T.  
August 23, 1976

Mr. Jack Devitt  
Chief Engineer  
Cyprus Anvil Mining Corp.  
P.O. Box 1000  
Faro, Y.T.

Dear Jack,

Re: Orthophoto mapping Mine, Mill Area, Y.T.

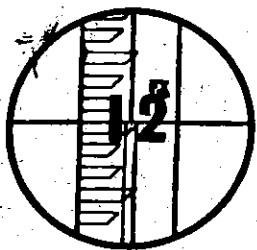
Glen Simpson has requested that I provide you with an estimate for re-scribing the above providing the diamond drill hole grid and datum for your purposes instead of the Territorial Plane Coordinate System and Geodetic Datum the Exploration Dept. are working on. From our most recent control survey we have determined a datum shift in the mine area of 110 feet which fortunately on the 10 foot contour interval permits re-scribing without re-mapping. Our estimate for the re-scribing per map sheet is \$4,300 with reproduction charges of \$1,500.

As a result of most recent control survey we have located several discrepancies with the original horizontal and vertical control as provided by the Federal Government and have referred the matter to the Geodetic Survey Dept. for comment and adjustment. When I receive this information I will forward copies of that information along to yourself.

Yours truly,

J.F. Welter, ALS, DLS

JFW/bi  
c.c. to: Glen Simpson



# HOSFORD, IMPEY AND WELTER LIMITED

LEGAL SURVEYS — ENGINEERING — EXPLORATION SERVICES

TELEPHONE: 403-452-1450  
EDMONTON, ALTA.  
12750 - 127 ST.  
TBL 1A5

TELEPHONE: 403-532-2343  
GRANDE PRAIRIE, ALTA.  
10404 - 100 ST.  
TBV 2M2

TELEPHONE: 403-873-2082  
YELLOWKNIFE, N.W.T.  
P.O. BOX 1409  
XOE 1H0

TELEPHONE: 403-667-6258  
WHITEHORSE, YUKON  
P.O. BOX 4418  
Y1A 3T5

Whitehorse, Y.T.  
October 29, 1976

Messrs. Glen Simpson & Dave Jennings  
Cyprus Anvil Mining Corporation  
330 - 355 Burrard Street  
Vancouver, B.C.

Dear Glen & Dave;

Re: Datum differences, Faro Mine Site, Y.T.

Further to our telephone discussion of the other day on the above, we wish to confirm our elevations to the top of fire hydrant adjacent to the administration buildings, Faro Mine Site, Y.T., at:

3,849.0--Cyprus Anvil Mine datum  
3,776.4--1975 survey by Hosford, Impey & Welter using  
preliminary elevations  
3,739.0--1976 survey by Hosford, Impey & Welter using  
Balanced elevations

This provides a datum shift of 110.0'  $\pm$  between the two datums.

Yours truly,

J.F. Welter, A.L.S., D.L.S.

JFW/bi  
c.c. to: Jack Devitt

A. DENIS HOSFORD  
A.L.S., B.C.L.S.

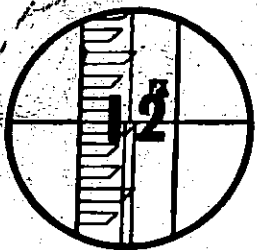
HUGH E. IMPEY  
A.L.S., M.L.S., S.L.S., D.L.S.

J. FRED WELTER  
A.L.S., D.L.S.

3 NOV 1976

C - DB  
D4  
DG

~~DR, DG, DT~~



# HOSFORD, IMPEY AND WELTER LIMITED

LEGAL SURVEYS — ENGINEERING — EXPLORATION SERVICES

18. NOV. 1976

TELEPHONE: 403-452-1450  
EDMONTON, ALTA.  
12750 - 127 ST.  
TSL 1A5

TELEPHONE: 403-532-2343  
GRANDE PRAIRIE, ALTA.  
10404 - 100 ST.  
TBV 2M2

TELEPHONE: 403-873-2092  
YELLOWKNIFE, N.W.T.  
P.O. BOX 1409  
XOE 1H0

TELEPHONE: 403-687-6258  
WHITEHORSE, YUKON  
P.O. BOX 4418  
Y1A 3T5

Whitehorse, Y.T.,  
November 16, 1976

TO: JACK DEWITT

D.R. Slessor, Surveyor General  
Legal Surveys Division  
Dept. of Energy, Mines & Resources  
615 Booth Street  
Ottawa, Ontario

Dear Mr. Slessor,

Re: VanGorda Control Survey, Map Sheet 105 K, Y.T. Plan No. 55818 CLSR  
and 558669 CLSR

Over the last six months we have been engaged by Cyprus Anvil Mining Corp. to perform control surveys for photogrammetric mapping in the general area of the above. During the course of that survey we connected to monuments shown on the VanGorda Control Survey. Several survey discrepancies were found and could not be immediately explained without additional follow-up work. The errors or discrepancies were such to cause considerable differences over the longer distances. Hence we have re-observed a number of the original values and have made some additional direct ties to Government Topographic Stations such as BC 13 A to 67 A 25. This additional data and the re-observed data was used to compute in terms of Plane Coordinates adjusted values for all those stations occupied or used. You will note from the enclosed copies of the computer printout that the differences are significant. Because of the closures achieved in our work (average 1:30,000) and the additional ties made I feel that our adjustment is of interest to yourself with a view to revising those values shown on plan 55818 CLSR.

The field observations were conducted to third-order standards. Distances have been measured with CA1000 Tellurometers or for shorter distances HP3805A distance meters. Trigonometric levelling has been conducted throughout our work derived from Geodetic Bench Mark 72Y247 in the Faro Townsite, with final

...../2

A. DENIS HOSFORD  
A.L.S., B.C.L.S.

HUGH E. IMPEY  
A.L.S., M.L.S., S.L.S., D.L.S.

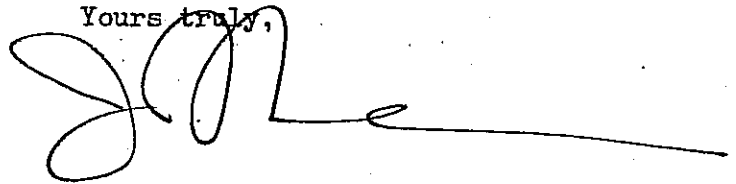
J. FRED WELTER  
A.L.S., D.L.S.

D.R. Slessor, Surveyor General  
Page 2  
November 16, 1976

elevation of 2350.34 feet. Distances have been reduced to sea-level, corrected for scale factor and have been used in the Plane Traverses and after angular balancing the coordinates have been adjusted by the compass rule. Two rather significant differences are the angles observed at RC 11 and the distance measured from BC 13 A to BC 21. At BC 21 a cairn was found and assumed to be the same station as that used before. On a separate data sheet we have shown the survey traverse connecting HIW 3 through BC 21 to BC 13 A.

I respectfully request that the enclosed information be inserted into your Gals Survey Adjustment Program and revised values be computed. I await your acknowledgement and comment on the above.

Yours truly,

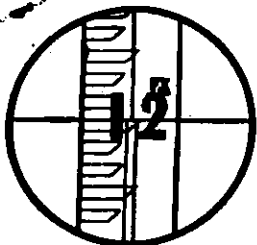


J.F. Welter, A.L.S., D.L.S.

JFW/bi

enc.

c.c. to: ✓ Cyprus Anvil Mining Corp.  
Sten Repstock, Regional Surveyor



# HOSFORD, IMPEY AND WELTER LIMITED

LEGAL SURVEYS — ENGINEERING — EXPLORATION SERVICES

TELEPHONE: 403-452-1450  
EDMONTON, ALTA.  
12750 - 127 ST.  
T5L 1A5

TELEPHONE: 403-532-2343  
GRANDE PRAIRIE, ALTA.  
10404 - 100 ST.  
T8V 2M2

TELEPHONE: 403-873-2092  
YELLOWKNIFE, N.W.T.  
P.O. BOX 1409  
X0E 1H0

TELEPHONE: 403-667-6258  
WHITEHORSE, YUKON  
P.O. BOX 4418  
Y1A 3T5

Whitehorse, Y.T.  
September 23, 1976

Mr. Dave Jennings  
Cyprus Anvil Mining Corp.  
P.O. Box 1000  
Faro, Y.T.

Dear Dave,

Re: Control survey for photogrammetric mapping Faro and VanGorda area, Y.T.  
Remonumenting and elevation determination of VanGorda control survey,  
Faro-VanGorda area, Y.T.

Enclosed herewith is preliminary coordinates, elevations and other relevant data on the above. I have taken it to this stage before presentation to the Geodetic Survey for their perusal, adjustment and balancing before publishing the coordinates. You will note from my letter and the preliminary coordinates that I have presented a number of significant changes that we have incorporated into the data base used for the most recent orthophoto mapping. When the results are available from Ottawa I will forward copies to yourself for your records. I also enclose herewith our invoice in total for the above three items. It should be pointed out that we have completely controlled the 1975 speculative photography taken in the VanGorda area during our control survey in April, 1976 permitting orthophotomapping etc., of this area. That information is transferable and can be used in controlling the same area on the 1976 photography just completed.

Yours truly,

J.F. Welter, A.L.S., D.L.S.

JFW/bi  
enc.  
c.c. to: Glenn Simpson  
✓ Jack Devitt

COORDINATES CYPRUS ANVIL MINING CORPORATION - FARO-VANGORDA AREA, MAP SHEET 105K, Y.T.

PT. NO.	NORTHING(TPCS)	EASTING(TPCS)	STATION NO.	ELEVATION(GEODETIC)
1	22650936.869	319081.570	VG1	3939.8
2	22654293.727	315216.927	VG2	4027.5
3	22654592.579	312765.365	VG3	3983.5
4	22659791.336	307960.976	VG4	4265.0
5	22661200.786	304235.229	VG5	4265.5
6	22662027.058	301851.537	VG6	4327.3
7	22665433.006	301247.804	VG7	4368.3
8	22664296.510	299099.574	VG8	4225.9
9	22666457.579	295726.894	VG9	3959.5
10	22670119.043	293307.391	VG10	3953.1
11	22670108.717	290875.262	VG11	3894.8
12	22673367.573	288477.221	VG12	3844.9
13	22675281.974	286272.765	VG13A	3776.9
14	22676019.123	284574.607	VG14	3720.3
15	22682072.634	281589.496	VG15A	3640.9
16	22681606.531	280977.160	VG16	3570.4
18	22685220.061	274921.811	VG18A	3498.7
19	22687432.524	273901.108	VG19	3590.2
21	22710867.041	255234.092	HIW1	5864.8
22	22701625.024	273415.722	HIW2	5409.2
23	22702927.577	284110.935	HIW3	5060.8
24	22697348.609	295110.395	HIW4	4458.4
25	22688254.169	297141.850	HIW5	5917.2
26	22675892.054	297720.651	HIW6	5704.8
27	22668267.328	288815.232	HIW7	4664.0
28	22676386.462	278749.463	HIW8	4582.9
29	22664094.037	309636.814	HIW9	5190.0
30	22657190.443	320035.942	HIW10	4212.8
31	22648043.908	315061.251	HIW11	3922.5
32	22718852.158	299464.764	HIW12	5298.0
33	22704816.237	326785.003	HIW13	5251.3
34	22683477.528	338254.562	HIW14	5909.9
35	22693740.211	342820.705	HIW15	4606.4
36	22663183.706	321614.055	HIW16	5662.0
37	22662664.913	389115.359	HIW17	3847.8

12  
11  
10  
9  
8  
7  
6  
5  
4  
3  
2

COORDINATES CYPRUS ANVIL MINING CORPORATION - FARO-VANGORDA AREA, MAP SHEET 105K, Y.T.

<u>PT. NO.</u>	<u>NORTHING(TPCS)</u>	<u>EASTING(TPCS)</u>	<u>STATION NO.</u>	<u>ELEVATION(GEODETIC)</u>
42	22683938.890	262289.295	RC2	4969.8
43	22672846.590	329951.290	BC13A	6607.3
44	22689211.585	267124.664	RC4	3410.7
47	22655588.970	361145.940	BC17	4289.3
48	22691560.393	271334.213	FIRE HYDRANT	3739.0
51	22688846.099	254586.238	RC11	5517.1
61	22657474.209	300925.098	HIW1 KERR ADDISON	4346.2
80	22678048.306	323403.826	MT. MYE (CAIRN)	6761.3
84	22651315.340	363768.240	67A24	4384.5
85	22672489.760	330017.320	67A25	6515.2
86	22672741.230	251900.650	67A55	5462.9
91	22684671.372	278213.501	WHI71-1	3552.2
93	22688917.238	267432.730	WHI71-3	3413.6

12  
11  
10  
9  
8  
7  
6  
5  
4  
3  
2