August 8, 1972

Mr. Harold Biaggini,
Santa Rosa Mines,
P.O.Box 753,
Paso Robles,
California.

Subject:

Letter report, considering the possibilities of the GOLD PARK MINES, sections 25, 26, 35 and 36, Township 15 North, Range 39 East, Jackson Mining District, Nye and Lander Counties, Nevada.

Dear Mr. Biaggini:

Following our joint study of materials, describing the captioned property and, pursuant to your instructions of August 1, reports, maps and sections have been studied in greater detail.

In view of the fact that the writer has not visited the property, has done no check sampling, and presents conclusions and recommendations based on the work of others, the customary detailed report is not provided.

This letter report, it is believed, will clearly state the writer's reactions. To fill in the gaps, may I urge that Xerox copies of the W. O. Crosby and E. W. Bedford reports be made, to provide other details for your files?

I conclude that:

1. a 'possible' reserve of mineralization, for the Star of the West mine, between the bottom and middle tunnels, will amount to about 6000 tons (assuming two feet of average vein width) or 12,000 tons (assuming four feet). The 12,000 is on the basis of personal calculations, and the former is according to

DAVID LE COUNT EVANS, CONSULTING GEOLOGIST

Crosby's 1908 study. Crosby inferred a per ton value of about $20, which on today's $38 gold price would amount to $38 per ton. Since an undisclosed amount of silver makes up a part of the gross, figures are subject to adjustment;

2. one can accept Crosby's estimate of 4000 tons per vertical 100 feet, with value of $14.50 per ton (gold at $20.67), or $31.50 on today's price, for an Arctic vein possible reserve factor;

3. Crosby's 7500 tons per vertical 100 feet, with value of $7.58 per ton, or $13.93 on today's market, for the San Francisco vein is a reasonable estimate;

4. our 12,000 tons (Star of the West) on today's prices would average only $19 per ton, since a 4 foot mining width seems an operating 'must';

Tonnages and grade for mineralization, still to be developed, and, especially, since considerable capital investment would be required is without economic promise.

Continued interest in the properties is not recommended.

Our analysis is based on:

1. Victor Kral's "Mineral Resources of Nye County, Nevada", University of Nevada Bulletin XLV, No. 3, January 1951;

2. Nevada Bureau of Mines Map 38, covering the geology of a part of the Shoshone Mountains, in Lander and Nye Counties; 1970;

DAVID LE COUNT EVANS, CONSULTING GEOLOGIST

3. "Report of Gold Park Mines" by W.O. Crosby, Geologist, Boston, Mass., dated December 14, 1908;

4. "Gold Park Mine" report by E. W. Bedford, Mining Engineer, Reno, Nevada, dated September 20, 1931;

5. Miscellaneous maps, especially an accurate composite map, dated 1929, by Andrew S. Gunn, all submitted by the owner.

The writer prepared separate maps for each Star of the West level and from these developed a series of evenly spaced cross sections; such provided his estimate of remaining possible tonnage, above the lower, undeveloped tunnel level.

Sections, too, provided an optional, second premise that vein structure was guided by an en-echelon pattern, which did away with much of the uncertainties of Crosby's and Bedford's "two vein" interpretations.

In conclusion the lack of a specific gross-production figure, (rumor has it that the property produced between $500,000 and $1,000-000) as wll as, lack of knowledge as to the width of stopes, forbade working 'stoped-tonnages' against 'gross production' to further checks grades reported above.

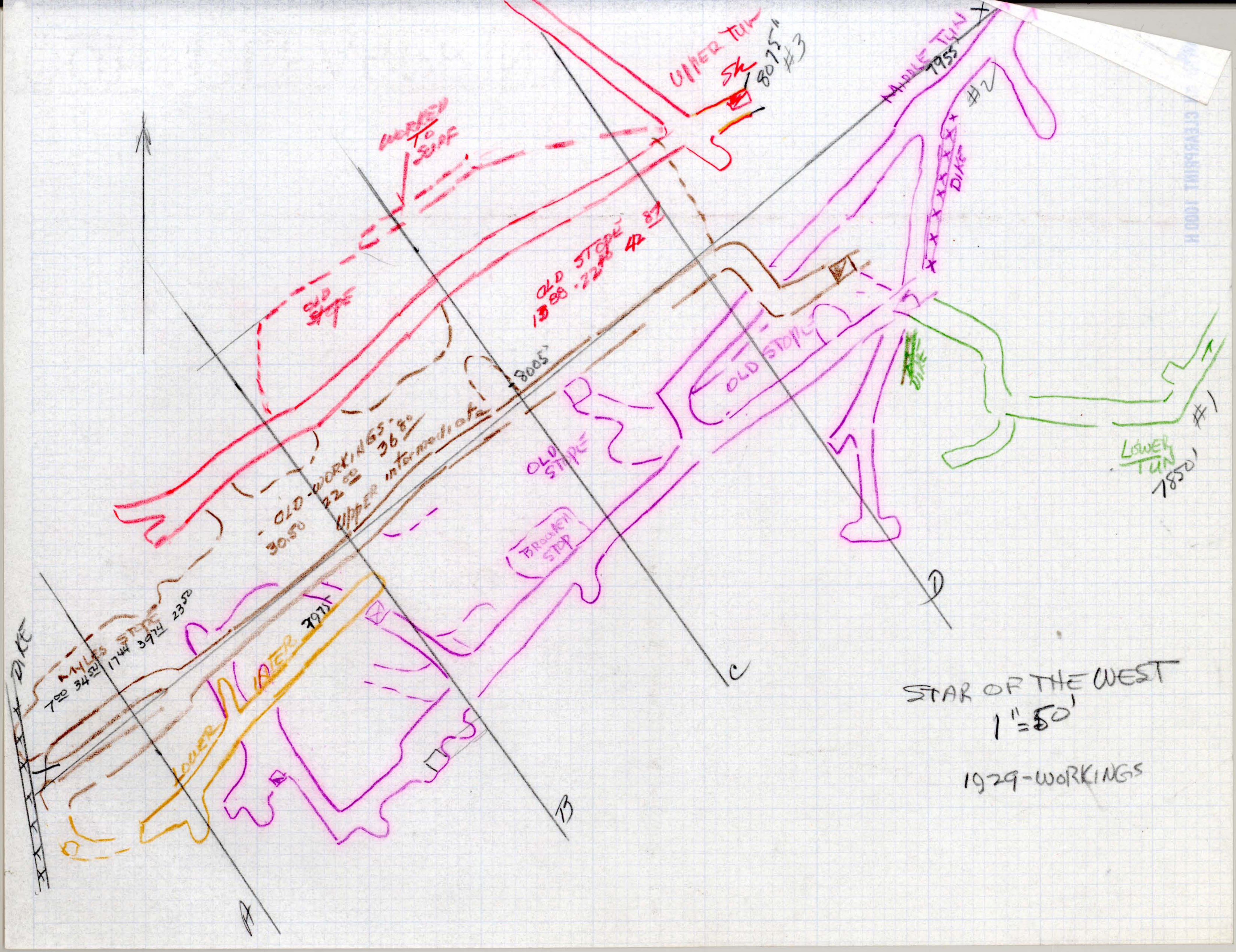
Please find attached the Crosby and Bedford reports, for which I again suggest Xerox reproductions. The roll of maps will be mailed at an early date.

Assuring you that the opportunity to be of assistance has been greatly appreciated, I am,

Yours very truly,

David LeCount Evans

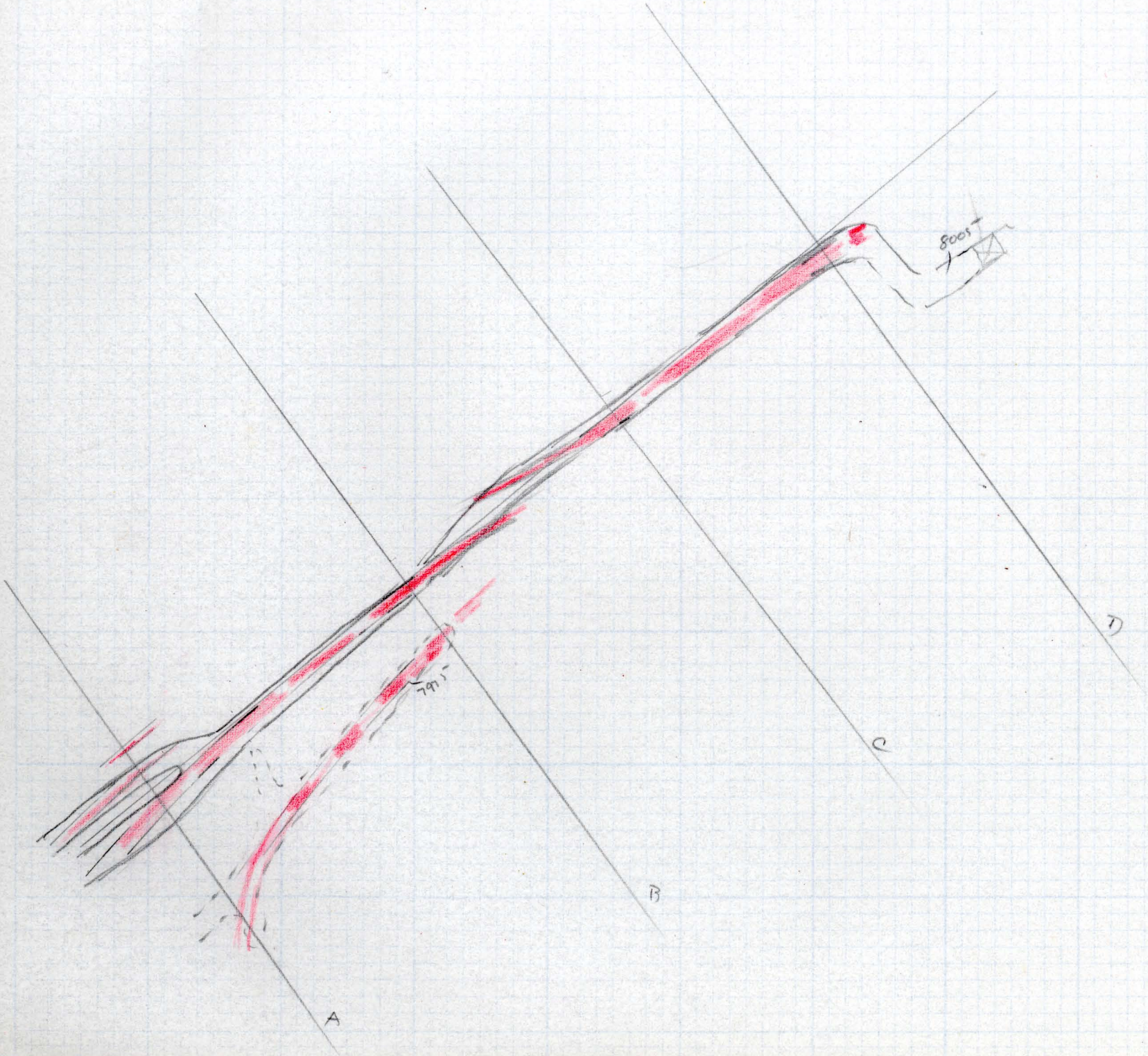
DAVID LE COUNT EVANS. CONSULTING GEOLOGIST



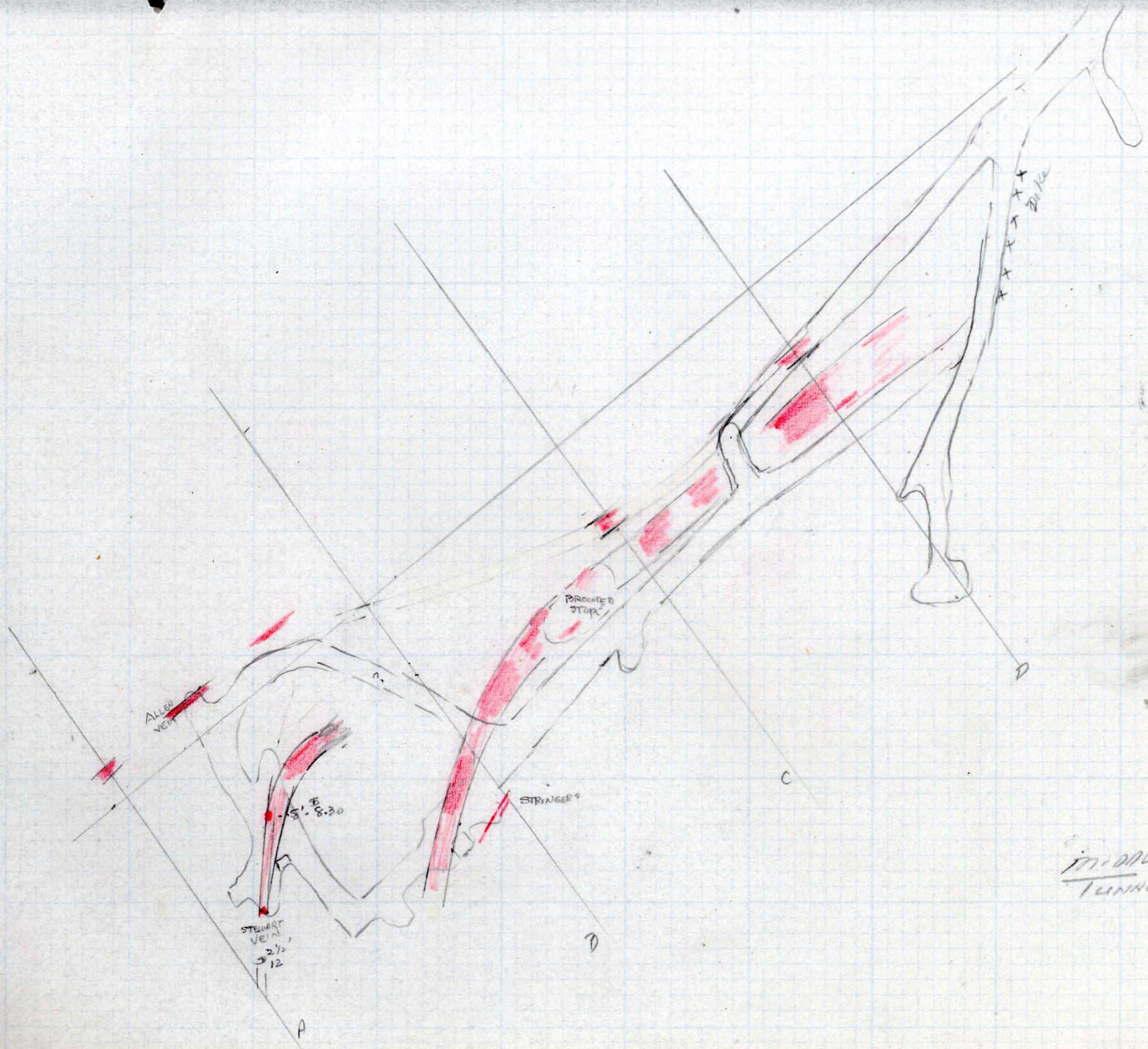
STAR OF THE WEST
1"=50'

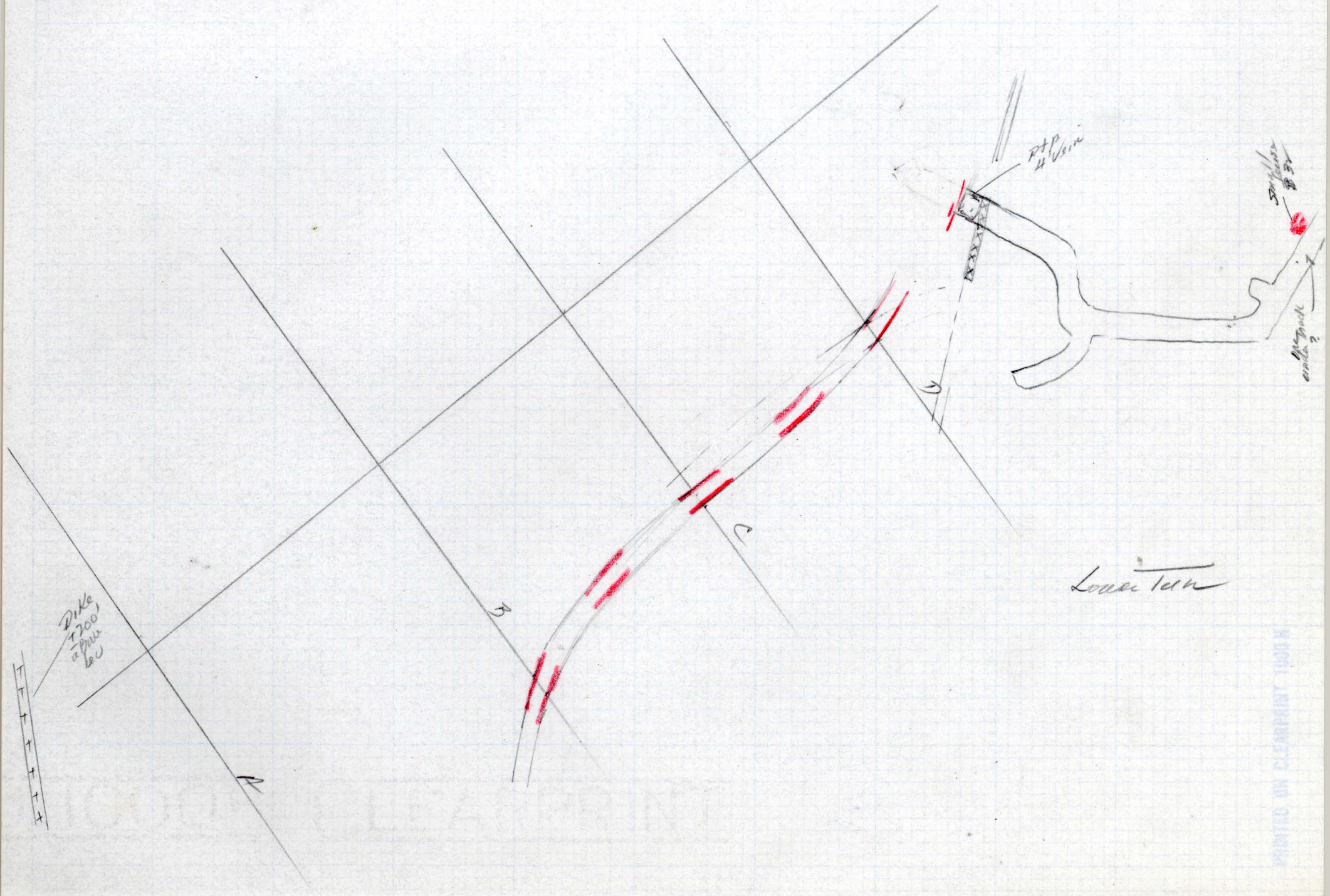
1929-WORKINGS

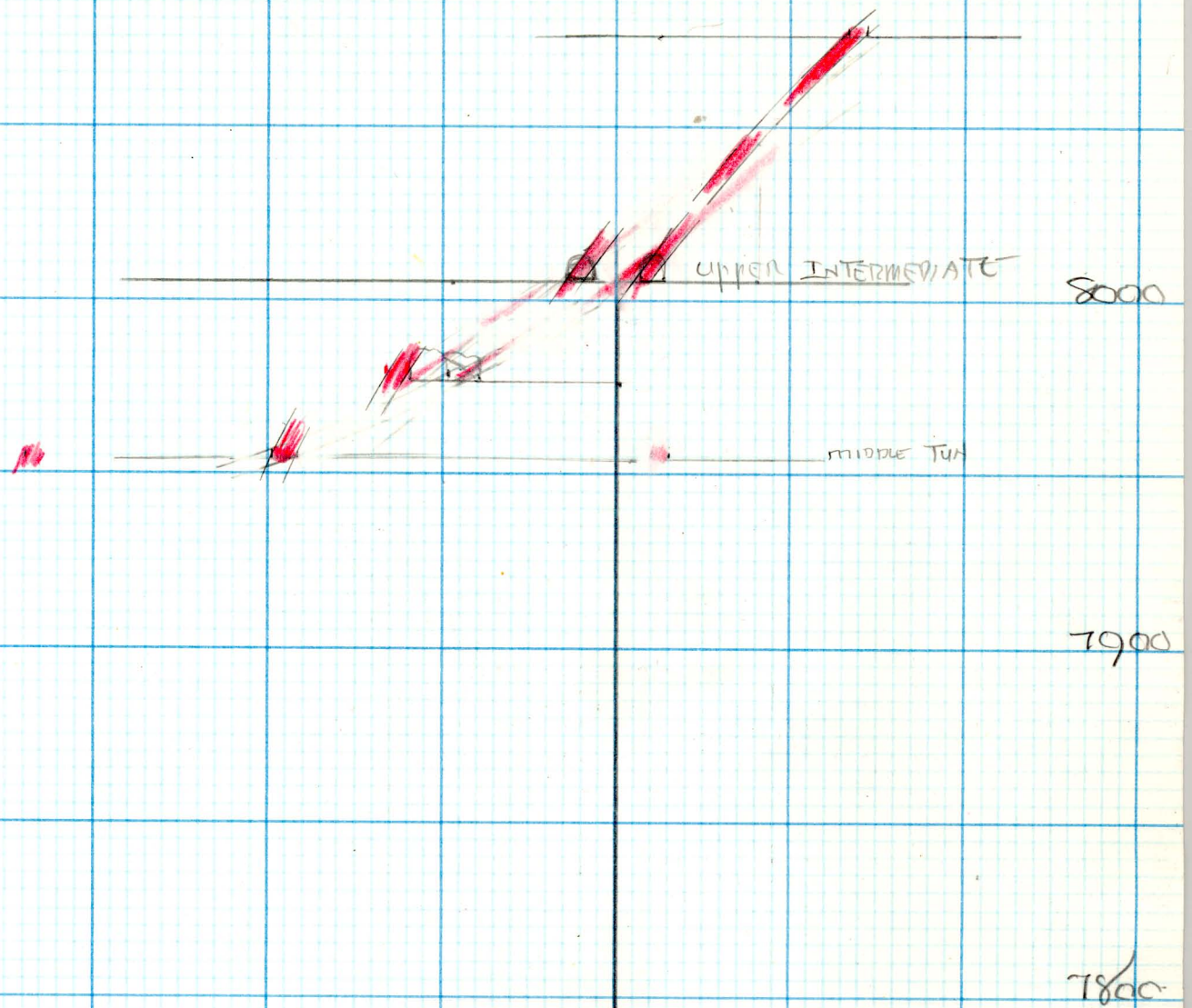
- UPPER TUN -
80'
D
C
B
A



UPPER
INTERMEDIATE
800s'







EST. TONS -

ABOVE upper TUN $\frac{210 \times 50 \times 4}{10} = 4200$

" INTERMED TO upper $\frac{300 \times 90 \times 4}{10}$ 10800

MIDDLE T TO INTERMED $\frac{200 \times 80 \times 4}{10}$ 6400

21,400 - 4FT wide -

(10700 using 2 feet. for 150' U. Depth)

ARCTIC - $\frac{150 \times 120 \times 4}{10} =$ 7200

28,600

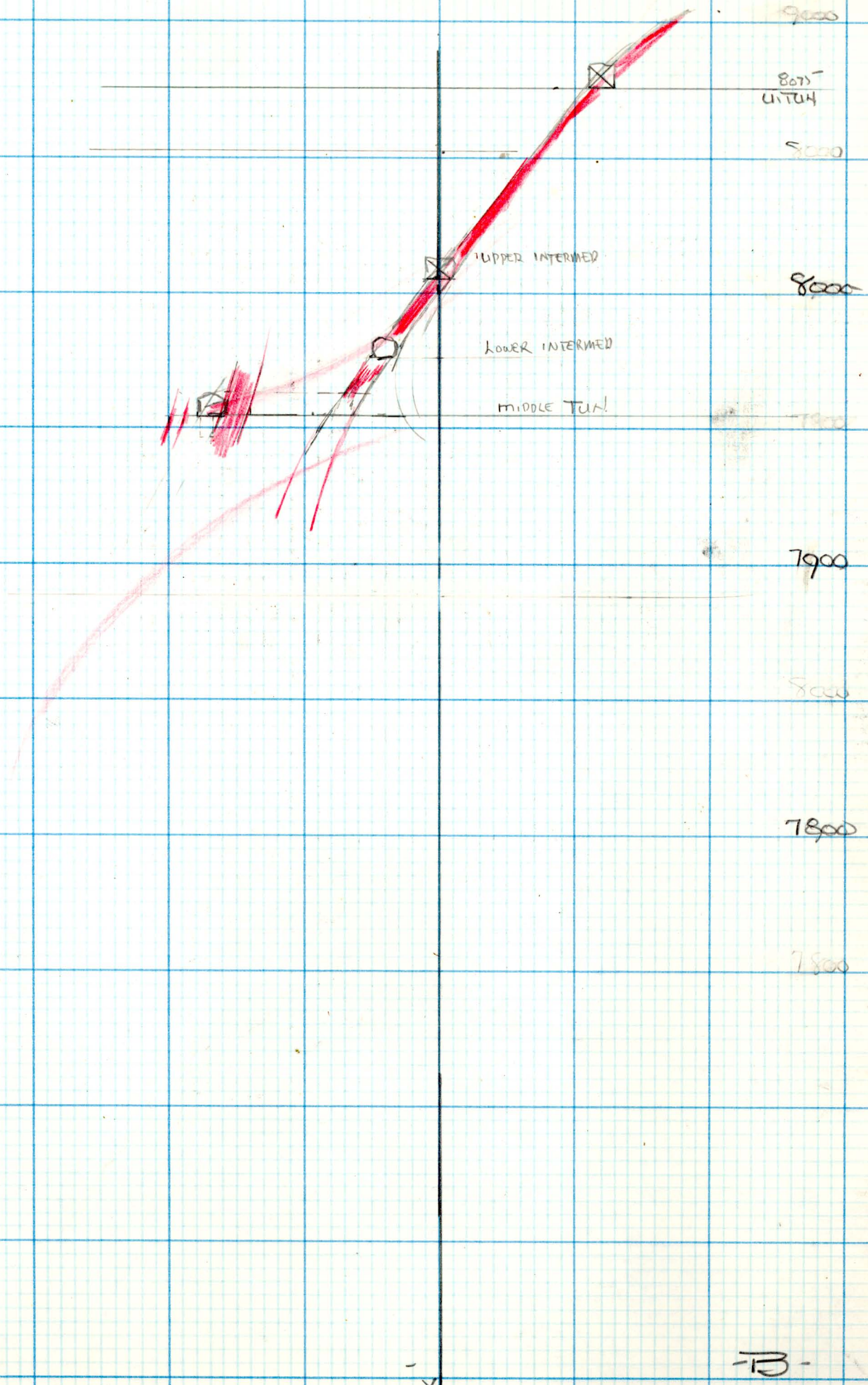
Rounded. ± 30000

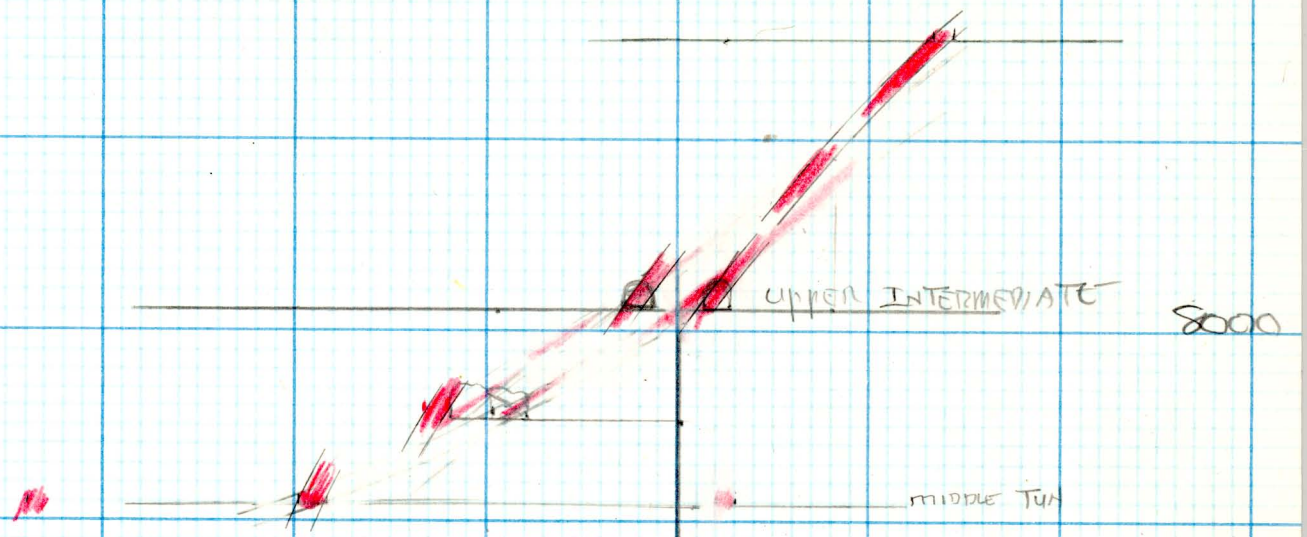
$\sqrt{750000}$ = 25

60000

150000

A


9000
8075
LITTLE
8000
UPPER INTERMED
8000
LOWER INTERMED
MIDDLE TUN!
7900
7900
8000
7800
7800
X
X



8000

7900

7800

EST. TONS -

ABOVE UPPER TUN $\frac{210 \times 50 \times 4}{10}$ = 4200

" INTERMED TO UPPER $\frac{300 \times 90 \times 4}{10}$ 10800

MIDDLE T TO INTERMED $\frac{200 \times 80 \times 4}{10}$ 6400

21,400 - 4FT wide -

(10700 using 2 feet for 150' U. Depth)

ARCTIC - $\frac{150 \times 120 \times 4}{10}$ = 7200

28,600

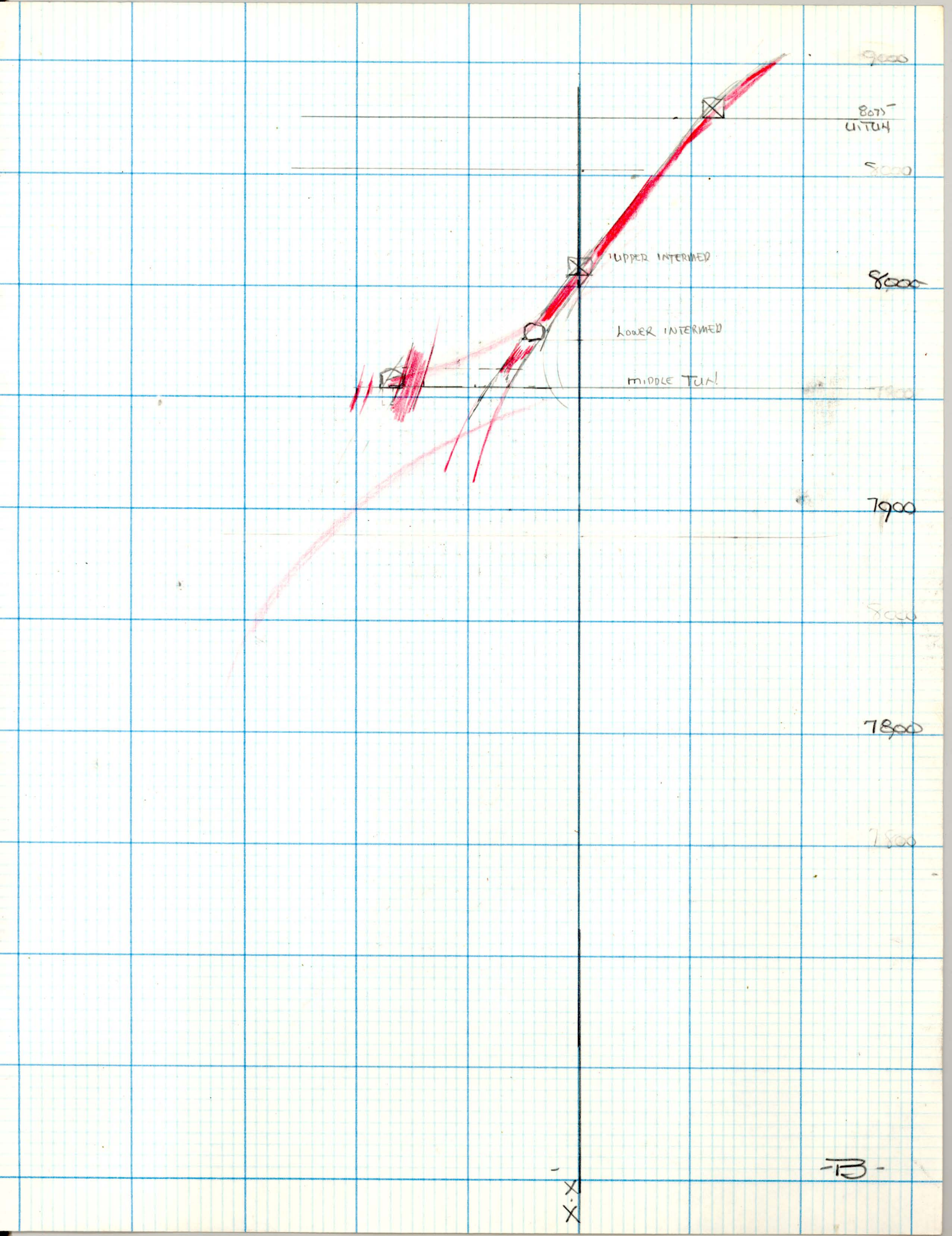
Rounded. ± 30000

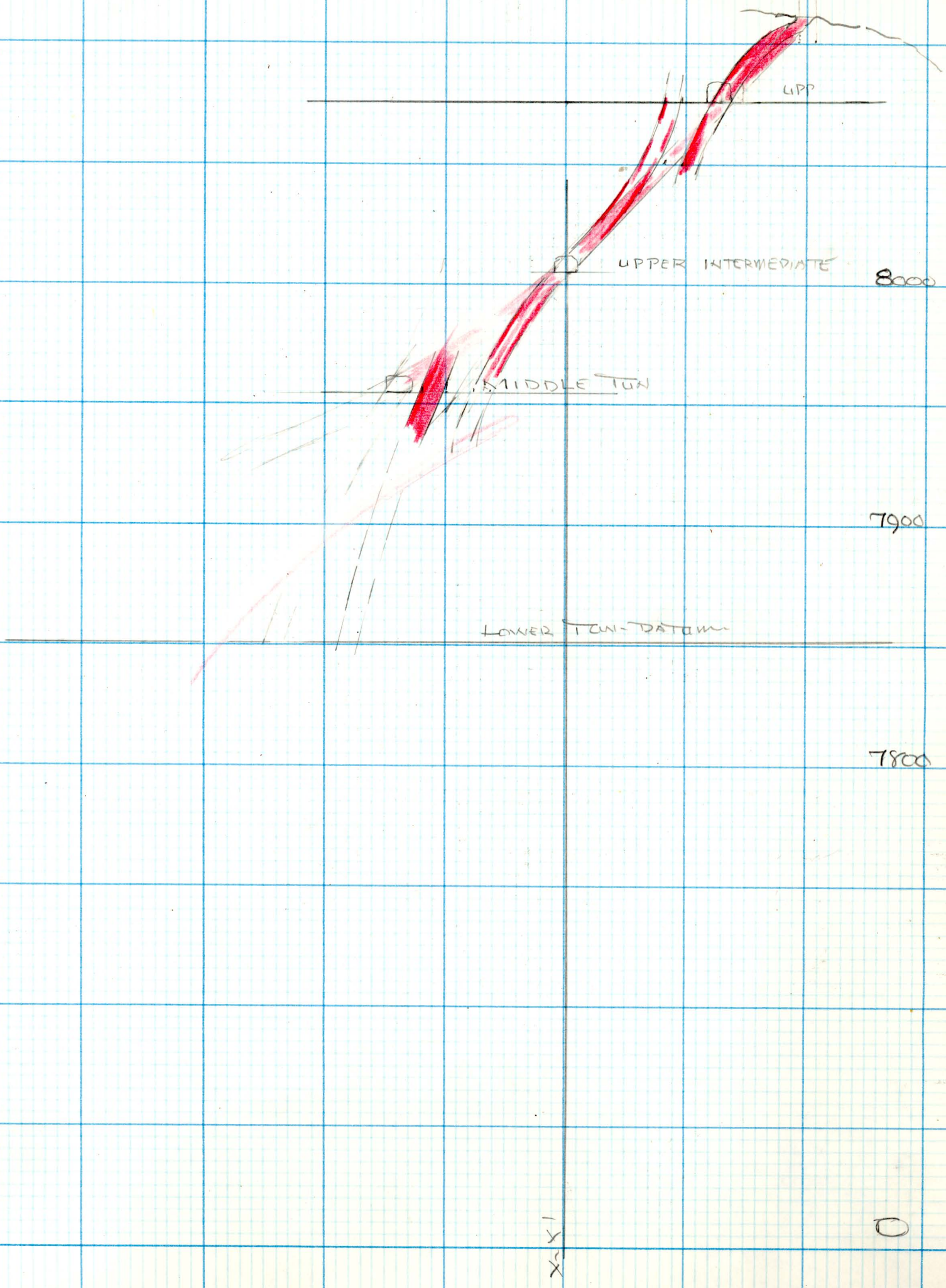
$\sqrt{750000}$ = 25

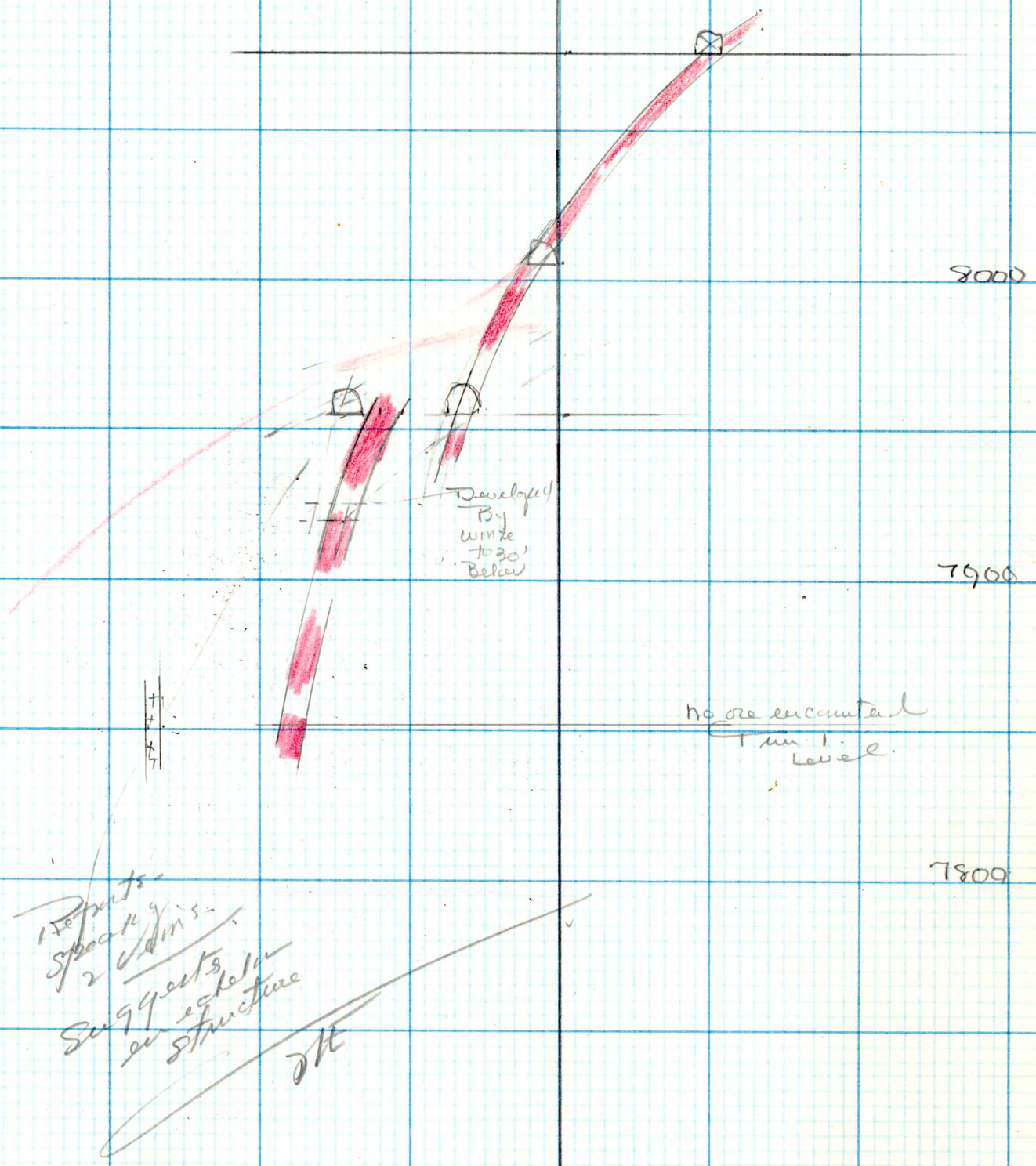
60000

150000

A


9000
8075
LITTLE
8500
UPPER INTERMED
8000
LOWER INTERMED
MIDDLE TUN
7900
7800
7500
-B-


UPP
UPPER INTERMEDIATE
8000
MIDDLE TUN
7900
LOWER TUN - DATUM
7800
0
Y
X


8000
7900
7800
Developed By winze to 30' Below
No ore encountered Trim. Level.
Reports - speaking 2 veins - suggests en echelon structure
DH

Est. of mined Tonnage -

	FT²	AVG	INTERVAL	FT³	TONS
A	400				
		560	125	70000	
B	720				
		780	100	78000	
C	840				
		740	100	74.000	
D	640				
		640	15	10 000	
TOT				232,000	23,000 TONS @ 4'
					11500 " @ 2'

EST. TUN. 1 - TUN. 2.

300 (str.) 100 (up Dip 4' (Th) = 23000 TONS. - Stay ceiling

Plus 7000 TONS Arctic -

30.000 TONS

Assuming - $750,000 (500,000 to 1,000,000 mill)

$25.00

∴ = $ ~~32.60~~ / TON mined -

@ 20.67 Au 12,000 - x ~~32.60~~ 25.00 = $ ~~391,200~~ 300,000

@ 38 Au 12000 x 45.80 = ~~719,000~~ 550,000

Possible Reserve.

Assuming $500,000 - gross production

Using 23,000 Tons mined Stanyleck -
7000 .. .. Quebec.
30,000 tons -
@ $16.67/Ton or 20.67 - Au
Q - 1.00 Ag.

36.48 ~~or 36.48~~ - 38 Au
~~@ 38~~

16.67
30,000) 500000
30000
20000
18

12000

16.67
38
13336
5001
633.46

36.48
90.67) 63346.00
6201
13360
12402
9580

Finally

Grizzly - - all samples arctic.
60 assays from arctic mine range from $132 with average of $29.

Further under $50 — average is $19

Grizzly samples in place — amounts to $14.50

all samples — Star & West
67 - samples = $41 -
- Because - of large proportion of
Pickel - high grade samples -

he believes that Star & West should
be much higher than arctic - avg. value
∴ ± $20.00

San Francisco should be placed @ $7.58/T

Ag - represents - 15 to 30% of combined value

Reserve possibilities:-
arctic - 2' vein - will provide 4000T/100 V.FT
Star & West 2' " " " 6000T/100 V.FT
San Francisco 7500/ " "

other :- arctic - (another company) 19.42
Bedford - average for Star & West - 16 to 20/T
for greatest tonnage
smallest case.
Bedford 30,000 Tons/0.100 ft - Star & West -

Production:

Jay Carpenter in Nev. Bureau - XXXVII, Bull. M Series B 38 — (Nov. 1-1943) - reports - 1938 - reporting production of $3,061 - (Au Ag - Cu & Pb).

F. C. Lincoln - in his Mining Districts & Mineral Resources of Nevada (1923) - reports that the original Nevada Mining Co. - (1893 - 1911) "is credited with a production of 500,000 to $1,000,000.

Note - the Stanyan West Mining Co — completing a 50 ton mill - in 1921 - ?
Production?

Geol — See - map —

Production:
Reserves - Values

— Using maps - provided by owner prepared by Andrew S. Gunn (Feb. 1929); then constructing sections - etc - and assuming an average of 4 feet for stoped areas - Reserves estimated - 30,000 (23,000 Stanyan West + 7000 - Arctic)

Using the average of ~~70~~ 500,000 to $1,000,000 - reported production — a guess of 150,000 provides a value per ton of 25¢ for 4 feet of mining product - on 20 oz/T gold or ——— on $38 gold.
or ± 50¢/T - for 2' - product (to be sorted)

Ore Zones: Arctic Mine

W. O. Crosby - Geologist.
Boston - Madison
Dec. 14, 1908

Surface 100'

Arctic Mine #3 Tun 225 feet deep 20'
#2 Tun - 95 feet deep . 4½ thick
#1 Tun reaches Vein but not deep. 50'

J. F. Bowler & A. L. Nelson - Buy E. W. Pedford M.E.
(owners) Sept. 1931 Reno Nevada

Reserves:
Bowler - 30,000 Tons - @ $16 /T

Evans — none in sight — Exploration & Development required.

Victor Krall
Vol XLV - 403.
Jan 1951
U of M. Bulletin

Mineral Resources. Mg Co

p. 70

1. The Gold Park Group - (Arctic - Star fleet & San Francisco patents) - acc to Lincoln has a reputed prod. of 500,000 to 5,000,000
Very little prod. since 1911 (litigation.)

2. Faulting - has been severe - in places. ore has been lost - & increased difficulty in exploring & developing

3. Act. recorded production
1882 .. 1,353 Tons. $12,787

4 - Arctic & Star fleet major producers.

5 - 1927 ....
Arctic - 59 tons — 1500
Star fleet 43 " 3700

6. Sizes etc
Star fleet - N 70 E Strike - 50° dip -
widest 5" to 5'
3 adits - Upper - 100 - 120' apart
lower 100' "

Lower 900' Only ~~a~~ ~~[illegible]~~ on ore
Middle 1000' - on vein
Upper 325' " " - 100'
Veins are near Longitudinal

Arctic - Strike NNE
Dip. 30 to 50°

Width. 4'
Values ≈ 20 ft - in the workings

Developed by vertical shaft
≈ 1000' of workings

indicated - 200' of development on
structure from level & below.

San Francisco Mine.
on ridge above Star of Art at 7900 ft

Northerly strike - Vertical -
5 to 10' wide - × $8/ton of Ore

Quartz to 16" @ 46' depth

Other lower ones -
War Eagle - (Small lode) judge. S. of Gold Park mine
600 tons mined 1934-1941 gave
≈ 15,500 (Carvag)

Sampled by Yak (1935)
over width of 1.75 feet - $25.53

Petersen Mine - West of Gold Park -
110 tons - gave $800