

NAME.....

Class..... Course..... Party.....

*Location of and ties to road
from Dam to Spring Hill School*

W247

FIELD NOTES

No. 403P

ESPECIALLY ADAPTED

TO THE USE OF

ENGINEERING STUDENTS

EUGENE DIETZGEN Co.

MANUFACTURERS

DRAWING MATERIALS

MATHEMATICAL AND SURVEYING INSTRUMENTS

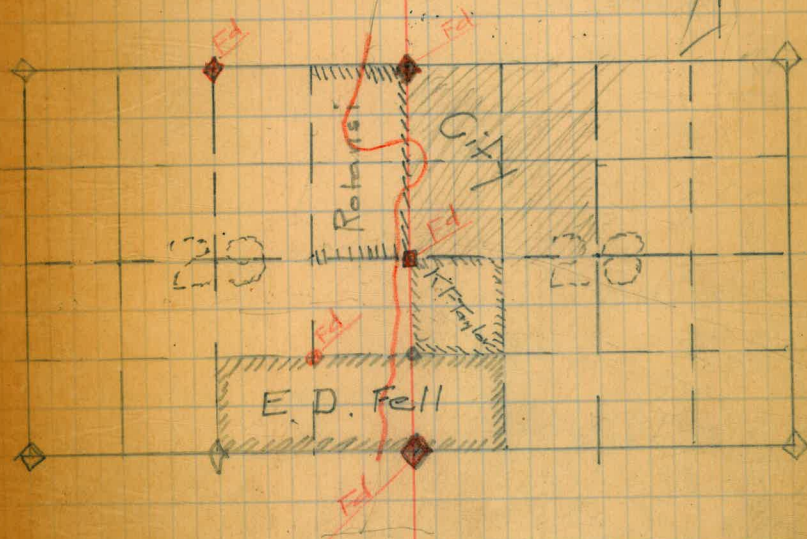
MEASURING TAPES

CHICAGO SAN FRANCISCO NEW YORK
NEW ORLEANS PITTSBURGH

MICROFILMED

June 11 1965

Sketch of Road
to Sutherland Dam
+ thru
Sections 29 + 28



Field notes on
next pages

Points found
Shown in Red

T12S, R2E

P.O.C.

Dam to Spring Hill School Road
& Property ties.

Sta \triangle Lt Rt M.Br. C.Br. External

Sta	Lt	Rt	M.Br.	C.Br.	External
336.17					
#5			N 01-30 E		0
RI. 15° 45' 45"					
520.44					
#4			N 17-15 E		10.3
RI. 27° 46'					
215.14					
#3			N 10-30 W		7.3
RI. 36° 05'					
19.88					
#2			N 25-30 E		0
RI. 10° 28' 15"					
115.03					
#1			N 36-45 E		0
RI. 9° 39'					
0+68.51					
			N 25-45 E		
0+00					

Angles

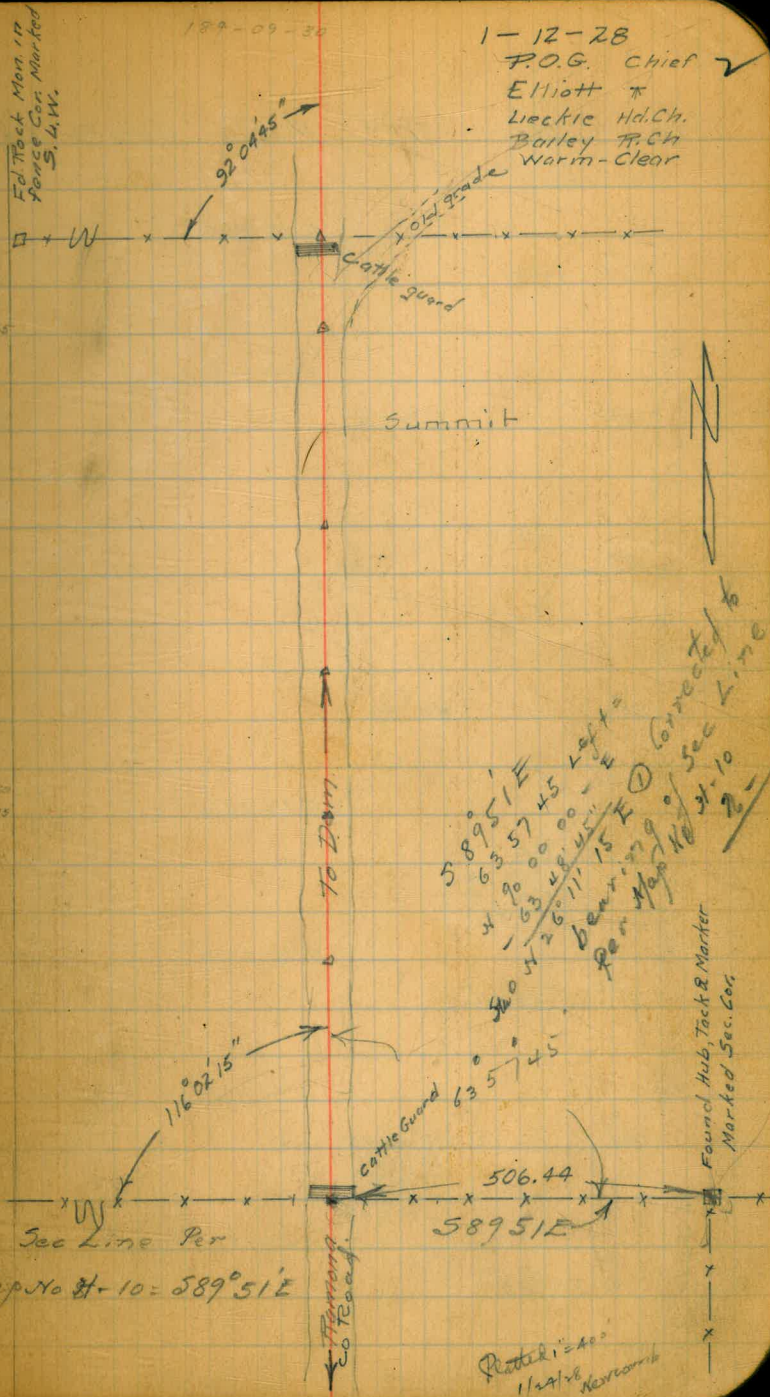
31-31-30
15-45-45

55-32
27-46

72-18
36-15

20-56-30
10-28-15

19-18
9-39



189-09-30

1-12-28

P.O.G. Chief ✓
Elliott ✕
Lieckie Hd. Ch.
Barley Tr. Ch.
Warm-Clear

Fd. Tack Mon. in
Pense Cor. Marked
S. W.

58951 E
63 57 45 Left
20 00 00
63 48 00
42 26 11 15 E
Per Map No 8-10
Correct to Sec Line

Found Hub, Tack & Marker
Marked Sec. Cor.

Plotted 1/24/88
Newcomb

Sta Lit Tr M. Br Calc Br External

1-13-28
Some Party
Warm-Clear

#12
P.I. 19° 51' 2.0

35-92
7-31

177.0
#11
P.I. 51° 00' 30" 7.0

102-01

100.24
P.O.T.

51-20-30

81.98
#10
P.I. 46° 46' 5.0

N 02-00 W

33-32
24-26

131.82
#9
P.I. 42° 36' 11.5

$\left\{ \begin{array}{l} R = 156.20' \\ T = 61.14' \\ D = 36.53^\circ \\ L = 116.62' \end{array} \right.$

N 48-45 W

85-12
42-36

325.09
#8
P.I. 42° 58' 30" 5.0

N 06-00 W

45-57
42-59-30

217.20
#7
P.I. 64° 49' 45" 12.0

$\left\{ \begin{array}{l} R = 65.00' \\ T = 41.79' \\ D = 88.11^\circ \\ L = 73.58' \end{array} \right.$

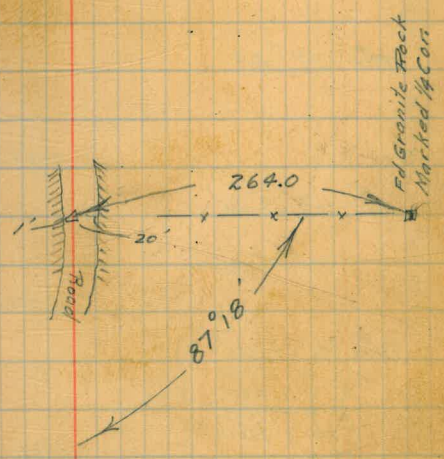
N 37-00 E

123-39-30
64-50-

510.67 → 125.78
#6
P.I. 29° 23' 3.0

N 27-45 W

58-46
29-23



Plotted 1/4 Cor
Winnomb

Sta	Lit.	RT	M.B.	C.B.	Ext.
			N 55-30 W		
	P.I. 13	22° 54' 45"			5.0
291.97			N 32-30 W		
	P.I. 18	27° 47'			
87.14			N 04-45 W		2.0
	P.I. 17	49° 29' 45"			
107.29			N 44-45 E	X	11.0
	P.I. 16	41° 24' 30"			
131.40		$\left. \begin{array}{l} R = 159.33 \\ T = 60.22 \\ D = 35.96 \\ L = 115.16 \end{array} \right\}$	N 86-15 E		
	P.I. 15	76° 39' 15"		X	13.0
131.55		$\left. \begin{array}{l} R = 47.34 \\ T = 37.41 \\ D = 121.07 \\ L = 63.31 \end{array} \right\}$	N 09-30 E		
	P.I. 15	8°-34'			0
169.74			N 18-00 E		
	P.I. 12	21° 22' 45"			3.0
120.86			N 03-15 W		
	P.I. 13	32° 24' 45"			4.0
191.12					

Same Day
Same Party
Same Weather

Platted 1/24/48
Newcomb

Sta	Lt.	Pt.	Mag Br.	Calc Br	Ext.
428.81	#27	118° 44' 45"	N 47-30 E	X	34.0
		R = 35.31'			
		T = 59.64'			
		D = 162.27°			
		L = 73.18'			
306.97	#26	22° 20' 30"	N 71-15 W		6.0
113.94	#25	50° 21' 15"	N 43-00 W		6.0
162.82	#24	20° 53'	N 01-15 E		5.0
186.66	#23	23° 47' 15"	N 22-15 E		5.0
221.30	#22	41° 54'	N 46-00 E		5.0
532.44	#21	116° 47' 45"	N 04-00 E	X	27.0
		R = 29.72'			
		T = 48.31'			
		D = 192.74°			
		L = 60.58'			
136.76	#20	57° 30' 45"	S 65-00 E	X	16.0
		R = 112.73'			
		T = 62.41'			
		D = 50.38°			
		L = 114.15'			

237-23-30
118-14-45

44-41
22-20-30

107-02-30
50-21-15"

41-06
40-53

47-34-30
23-47-15"

83-48
41-54

233-35-30
116-47-45

115-41-30
57-20-45

Plotted 1/24/28
Newcomb

Sta Lit RT M.Br Calc.Br Ext

6

P.O.T.

89.64

N 30-30 E

P.131 44° 21' 30"

10.0

110.01

N 74-45 E

P.130

59-15-30"
R = 79.78'
T = 45.38'
D = 71.82'
L = 82.81'

N 15-30 W

12.0

112.51

P.129 21° 40'

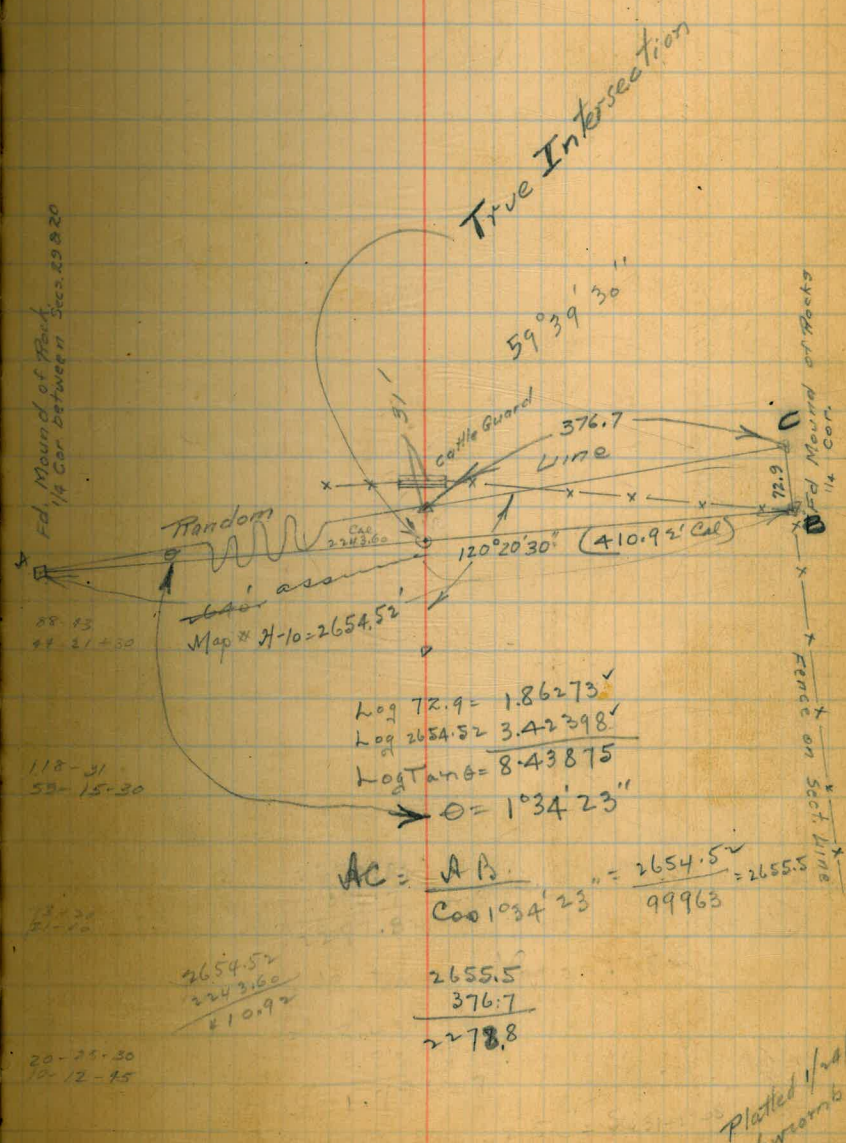
0

246.83

N 37-15 E

P.128 10°-12'-45"

0



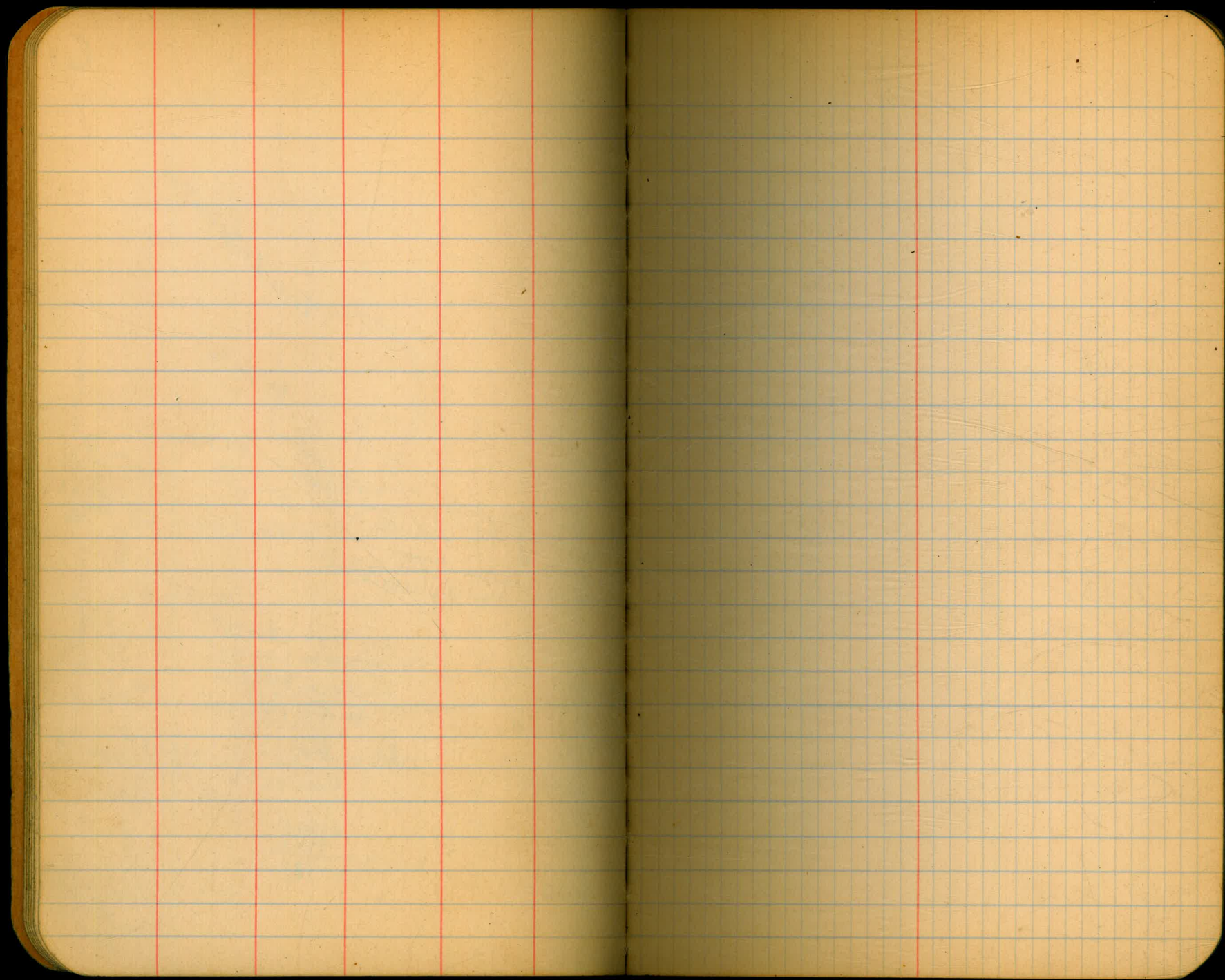
Log 72.9 = 1.86273
Log 2654.52 = 3.42398
Log Tang = 8.43875
→ ∠ = 1° 34' 23"

AC = AB / Cos 1° 34' 23" = 2654.5 / 99963 = 2655.5
2655.5
376.7
2278.8

Fd. Mound of Post
1/4 Cor. Between Secs. 29 & 30

Fd. Mound of Post
1/4 Cor.
Fence on Sect Line

Plotted 1/24/06
Newcomb



Establishing of South line of C. Hall property

Dec. 31 - Jan 3 '28

$\frac{c}{\sin A} \times \sin C =$
 $\frac{16379776}{24061} =$
 $\frac{398.950000}{24061}$
 $\frac{153440}{144306}$
 $\frac{91040}{72163}$
 $\frac{191220}{128357}$
 $\frac{235130}{212469}$
 $\frac{186710}{162357}$
 $\frac{193530}{168357}$
 $\frac{168357}{151730}$

P.C.C.
 E. Pink
 Leakey
 Bailey
 Brooks
 clover
 B 224° 58
 112° 29-30 179-59-60
 112-29-30
 B 67-30-30
 107-10 208 44-30
 C 53-35 C 104-22-15
 42-29-20 67-30-30
 179-59-60 171-52-45
 166-04-30 171-52-45
 A 13-55-30 A 8-07-15

16379776
 20472
 32759552
 114658432
 65519104
 1310382080

$\frac{1313.11}{270.52}$
 $\frac{4017.69}{10} / \frac{133821}{11}$
 $\frac{2786775}{76871}$

$\frac{c'}{\sin A} \times \sin C' =$
 $\frac{2786775}{1414} =$
 $\frac{398.950000}{2828}$
 $\frac{71115}{9898}$
 $\frac{12170}{11212}$
 $\frac{9580}{8484}$
 $\frac{10960}{9898}$
 $\frac{10620}{9898}$
 $\frac{7220}{9898}$

1313.11
 718.00
 .91
 2786775
 19507425
 22294800
 16720650
 25080975
 269957681025
 131811

$\frac{4017.69}{3} (1337.23)$
 $\frac{267846}{10}$

35-35 52189
 393.95 393.95
 29094.5
 583701
 174367
 523701
 172567

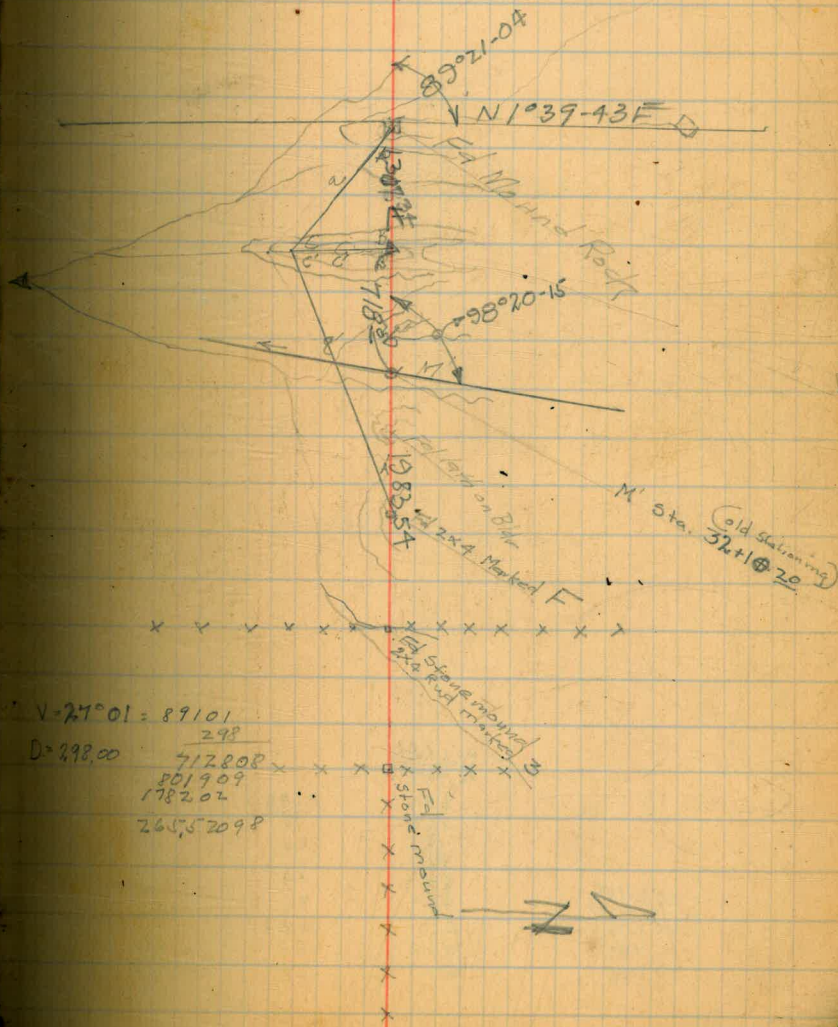
80472
 39395
 402960
 0734048
 241416 / 1301
 316999440
 24065
 73349
 72195
 115424

196-40-30
 98-20-15
 8044.40
 145.8
 3210.20

30-55.42
 145.8
 384 01.22

Township line
 N 83-30 E M.P.
 588-57-13 W

395
 68.95
 393.95



$V = 27^{\circ} 01 = 89101$
 $D = 298.00$
 $\frac{712808}{801909}$
 $\frac{298}{178202}$
 $265,52098$

447.40	21.07
<u>73.04</u>	855.77
520.44	876.84
	<u>336.17</u>
	540.67

19.25

57 30-95
2/115-61-30

183.0

2) 174-36
81-18

29.0
<u>14.0</u>
116.0
100.0
<u>5.0</u>
265.0

26
<u>7.50</u>
1300
182

2) 306-25/95.00
153-12-15

905.02
17.02

1477.70

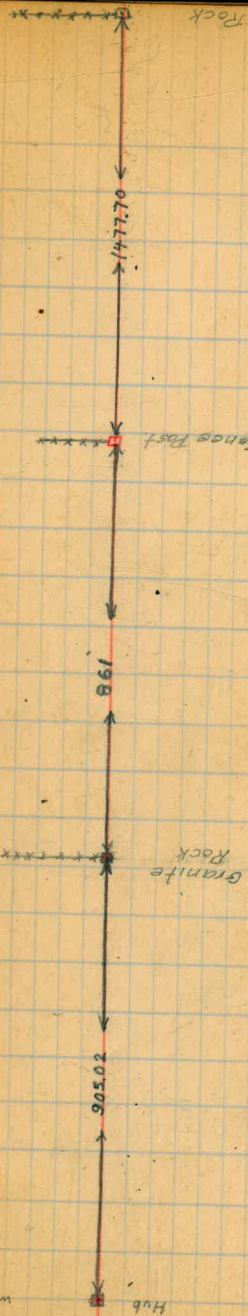
296.70
<u>263</u>
128
181
74
43
56
77
300
861
1477.70

3243.72

905.02
<u>861</u>
1477.70

143
<u>109</u>
124
36
64
300
53
32
861

300
93
60
58
45
52
43
40
44
50
102
<u>17.02</u>
905.02



264.00
<u>17.32</u>
246.68

702 + 86.5

