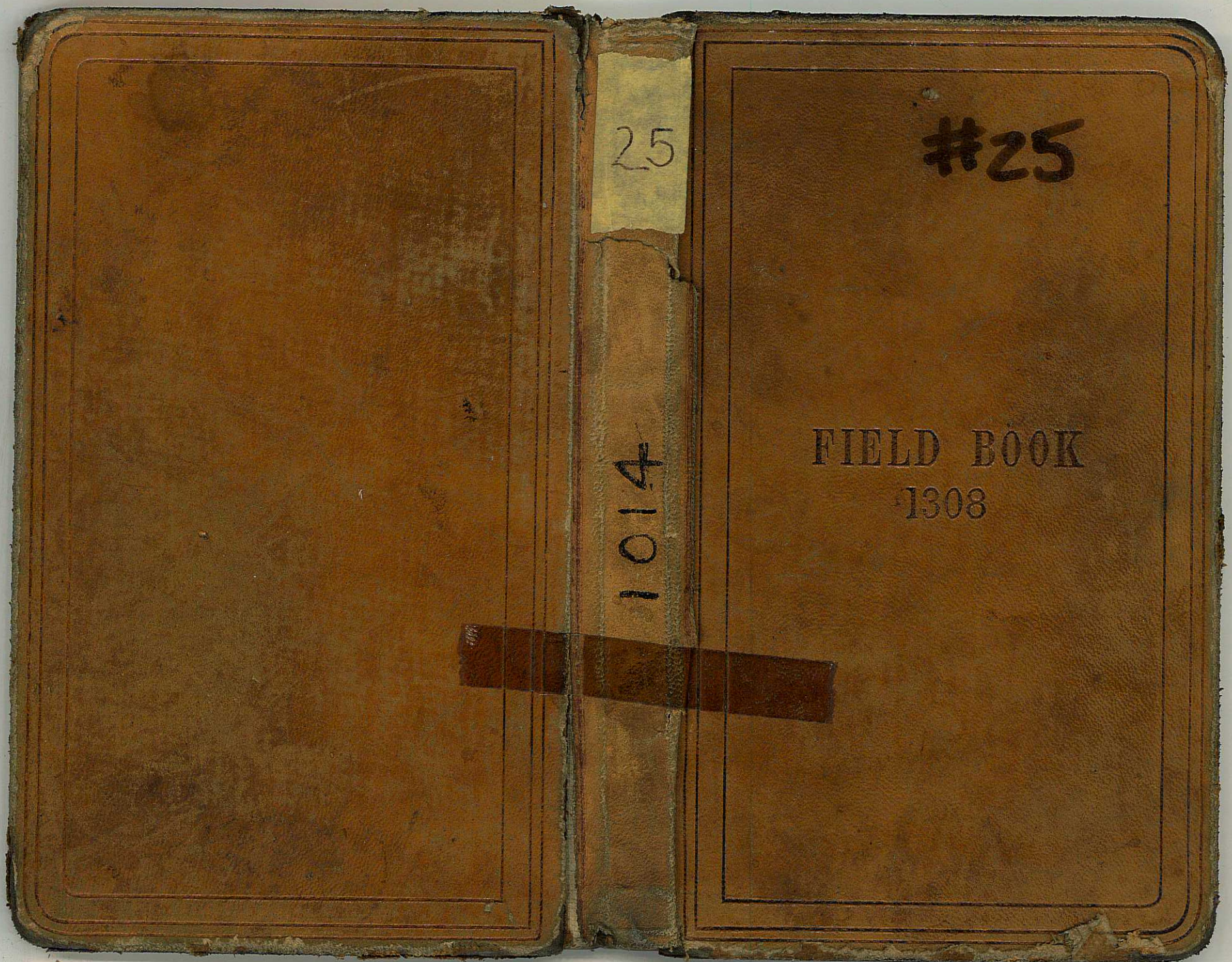

25
1014
#25
FIELD BOOK
1308

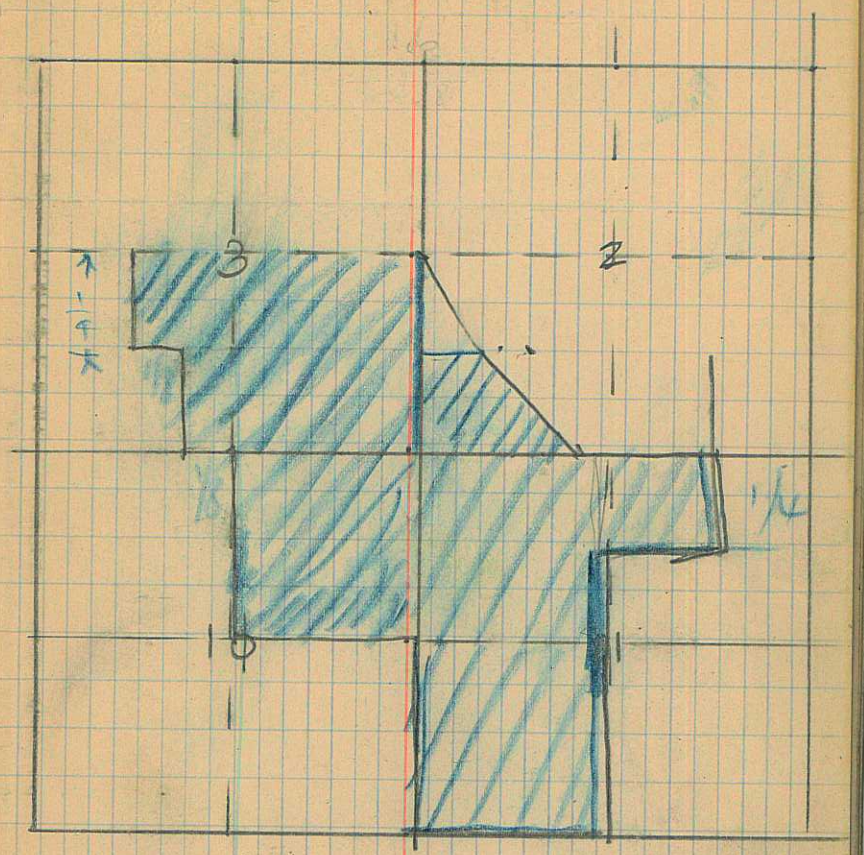
Eugene Schaub
Log on Utah

~~Eccles Invest Co~~

Oct 1918

1014

No Smithfield Cattle
notes in this book


3
2
1/4 x
x
1/4

4

Eccles Investment Co
Surv. in Hyrum Bench
Ag Ditch

2 1347

#1—

SE cor 34
lines up with #1-2

5

47
25.5
21 5

180°

to see line 135.8 to ⊼

N
S 89°44' W
1368

1347' N of #1

1321.5 to log

Gate 1209.3'

1347
1427
1204 3

180°00'

89°22

#1

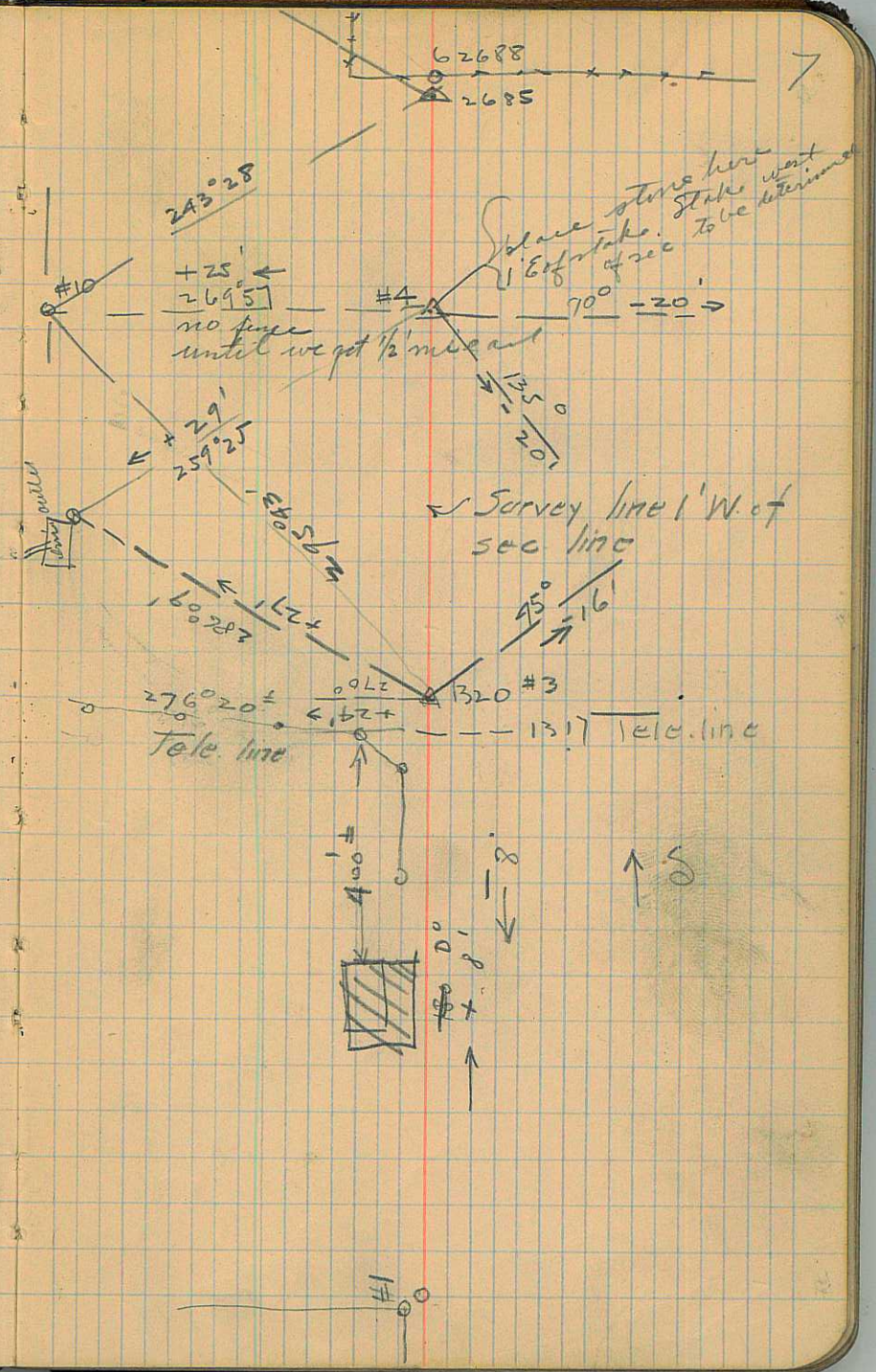
N 1°
269°22'

6	6	0°	2688
			−4'
	5		2000 −4'
	4'		1320 ±0°

#3 —

#3	0°	1320
		1317
		~~1317~~

#1 —



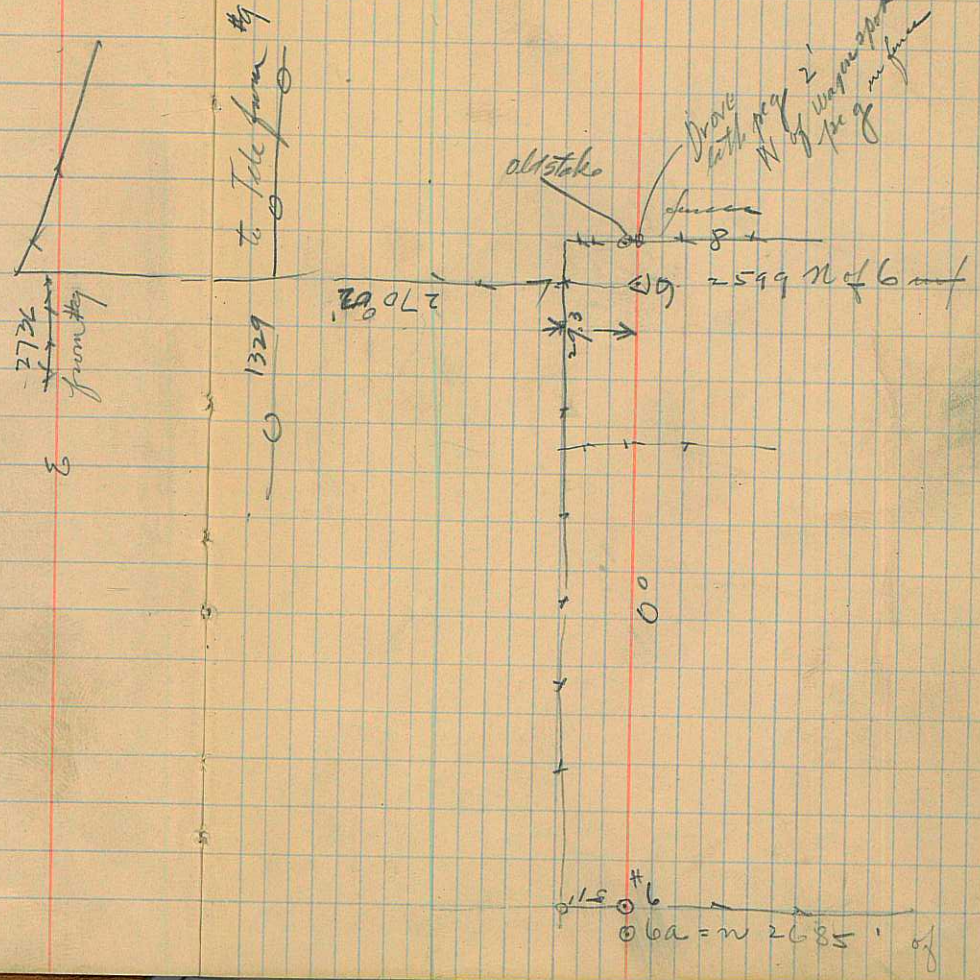
8

8 0° 2623.5
7 0° 2599'

#6 –

9

N 688
N 623
E 331

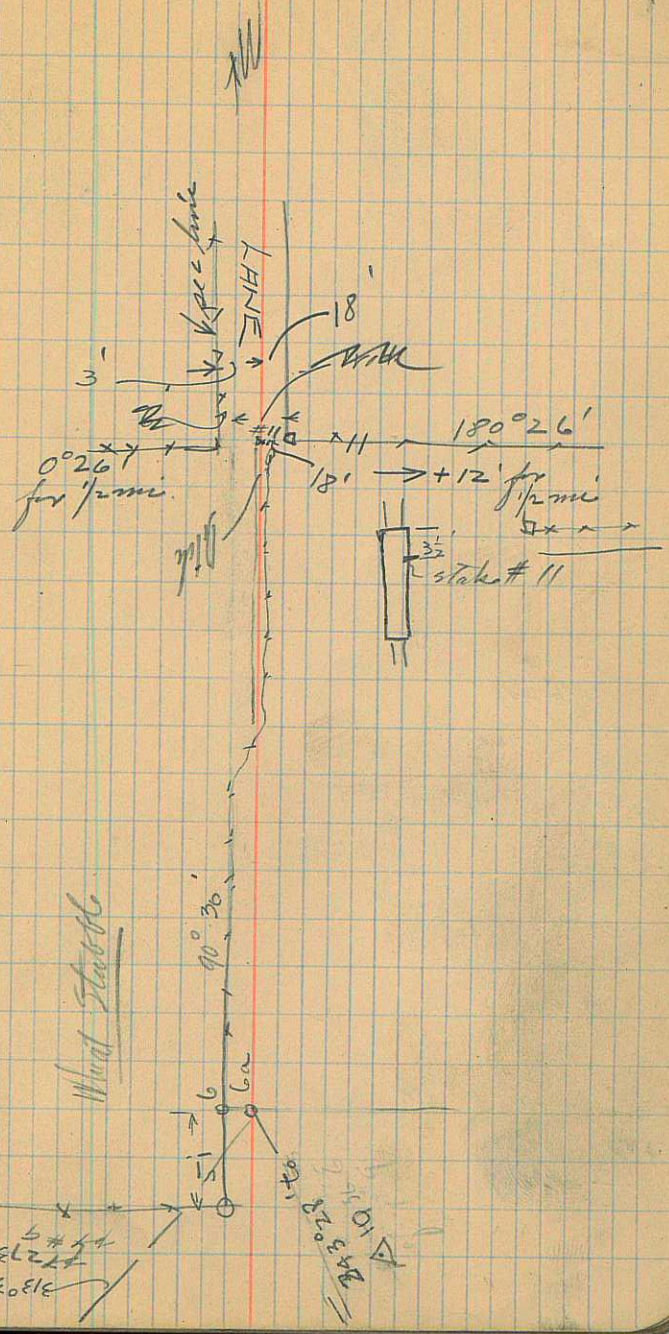


10

11

11 2611

6a-

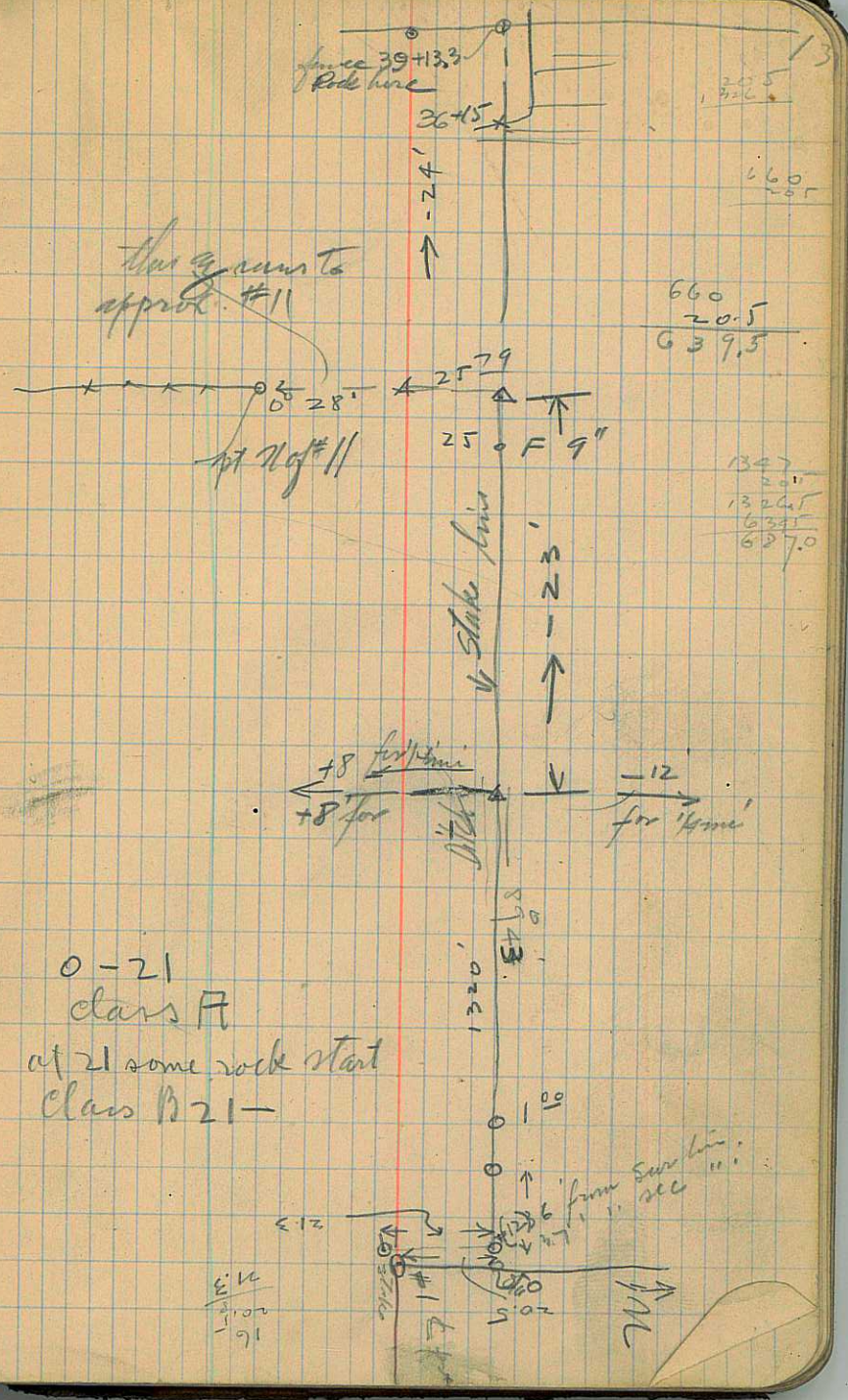


12

25 79 —
25 79

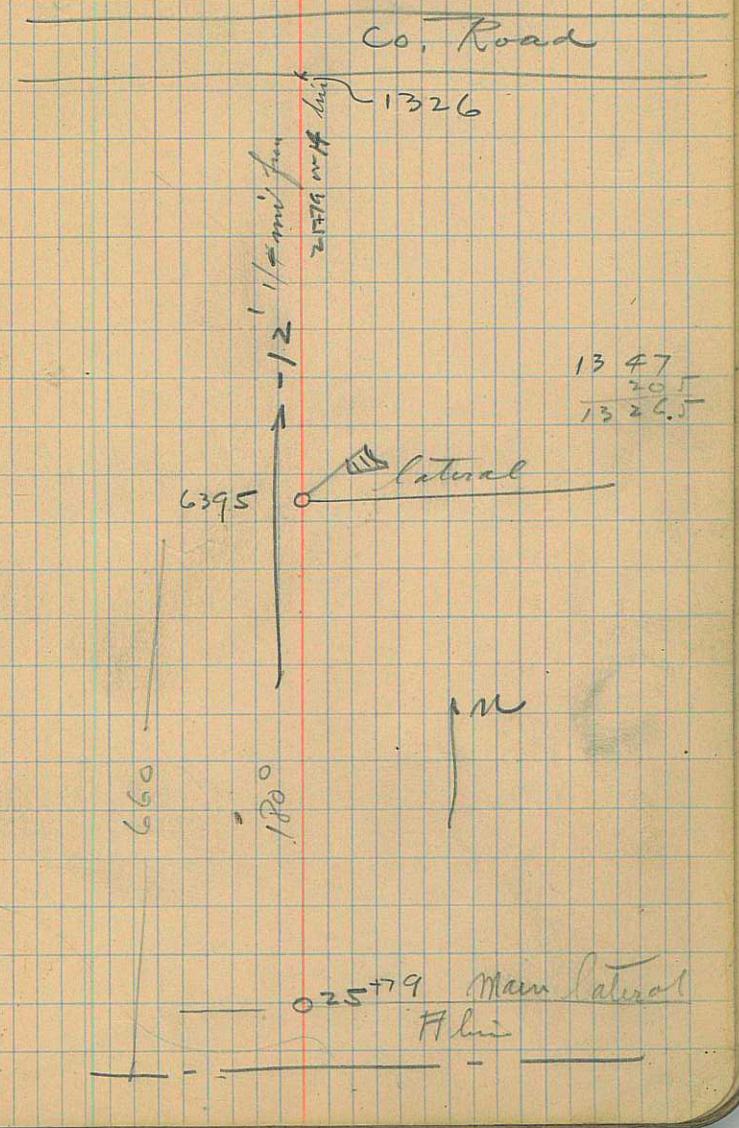
13+20 —
13+20

12 —



14

15


Co. Road
1326
1347
20
1326
Natural
6395
N
660
1320
025+79
Main Natural Flow

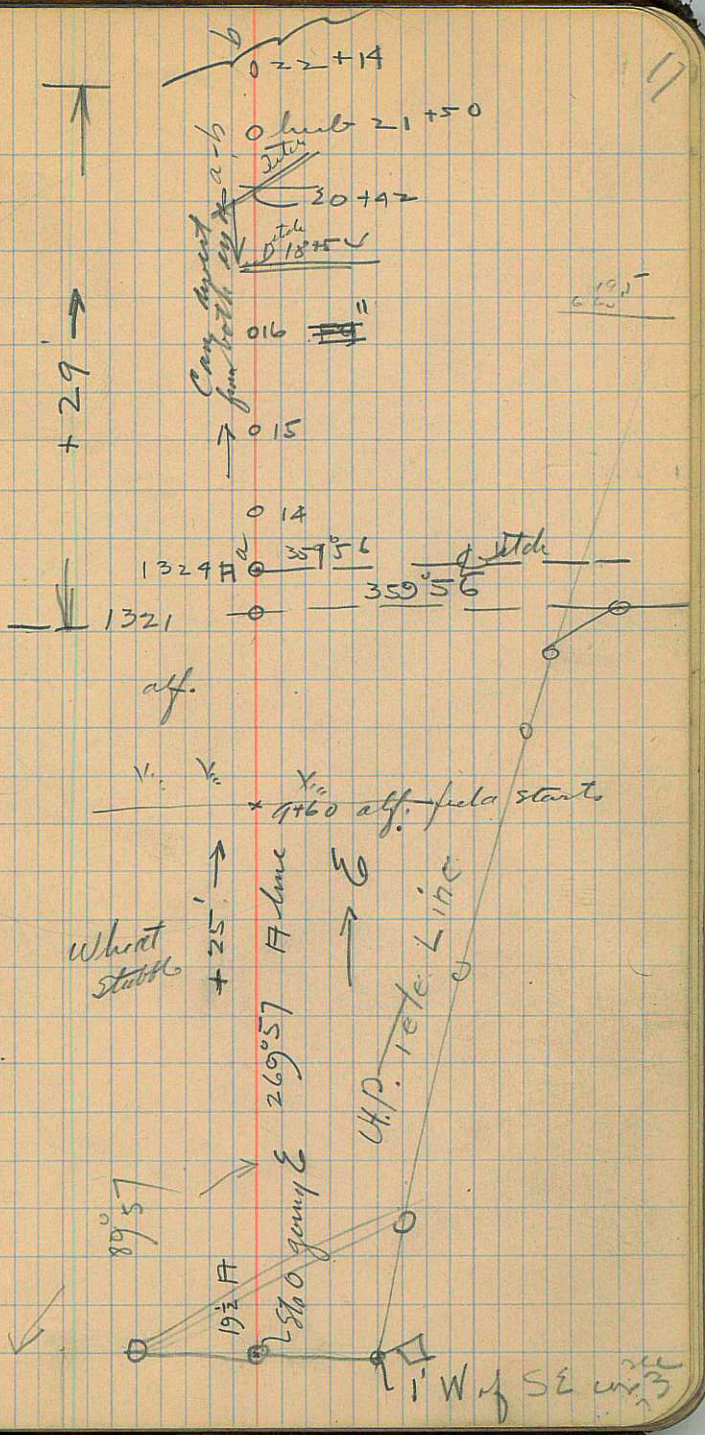
16

359°56'

1324 A

1324

1325



18

$13+39.5$ $359°56'$ $-10'$

$6+79.5$ —

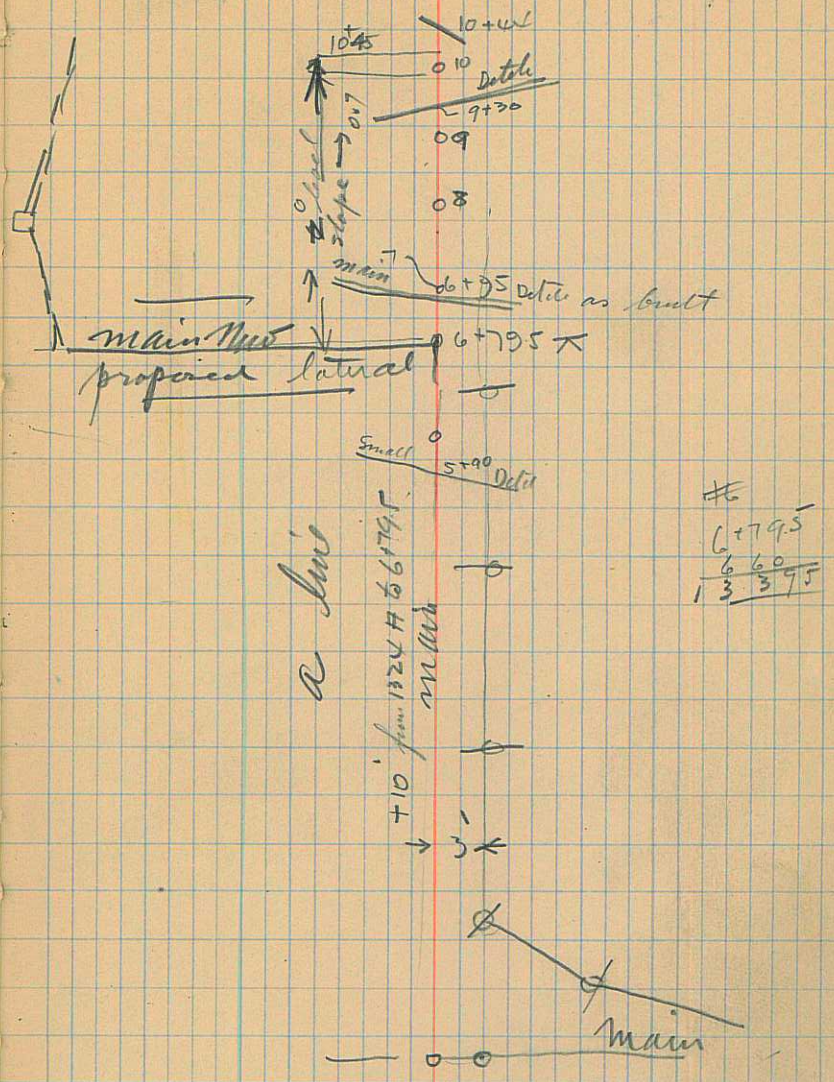
$6+79.5$ $359°56$

1324 Ft —

19

+8'

6.2



~~6~~

6+79.5

6 60

13 39.5

20

21

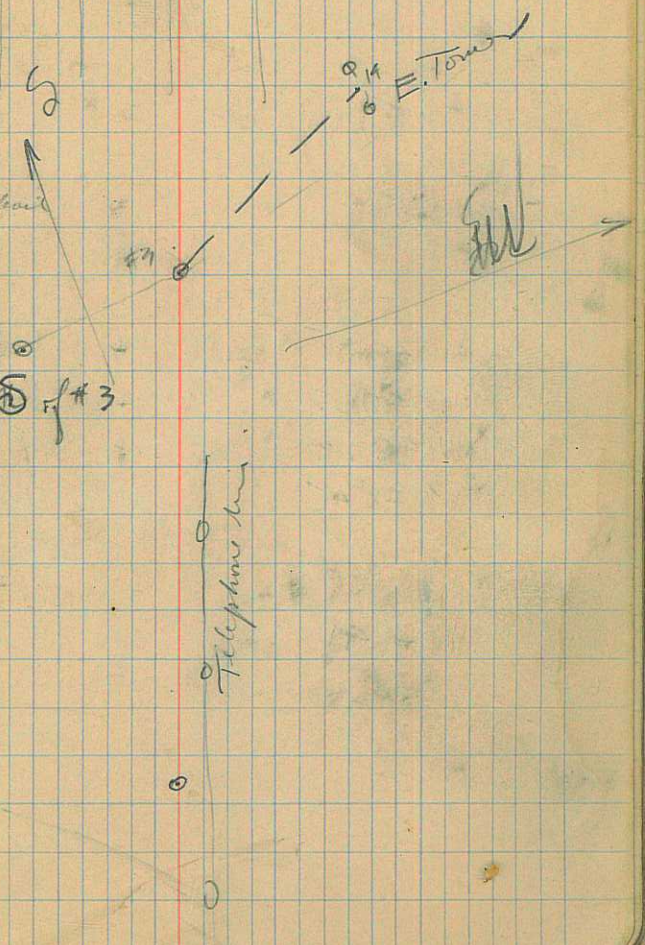
13

Aug 26

	Ag	Vert L	L	Stadia	
7	~~81°~~52'		3.5		6.41
.6	42°30'			5	5.98
5	47°10		5		6
Sta 4 -					
Sta 4	57°21		2		2.85
3+00D	267		3		3.18
2+75D	254°		2		2.41
2 D	253°		2		3.16
1+00D	251°48		2		3.55
1D					
0+00D	251°30		3		6.15
#16 -					
#16	27°34'	+2°17'	2	3.0	3.98
	127°05	-13'	3		9.25
15	41°18	+2'	4		9.5
14	41°36	-15'	4		7.12
#13					
#13	25°27'	00°	4	13.8	
	359°56'	-3'	3		11.30
	359°56	-2'	5		11.32

1339½ a -

HI	Rod reading	FS	BS	MI
	5.00			
	4.90			
	4.80			
4.82	~~4.70~~			
	1.82	1.94	4.82	
	1.72			
	1.69			
	1.61			
	1.54			
	~~1.50~~			
	1.320			



4.7

2688 ⑤ Fg #3

4.6

4.8

22 24

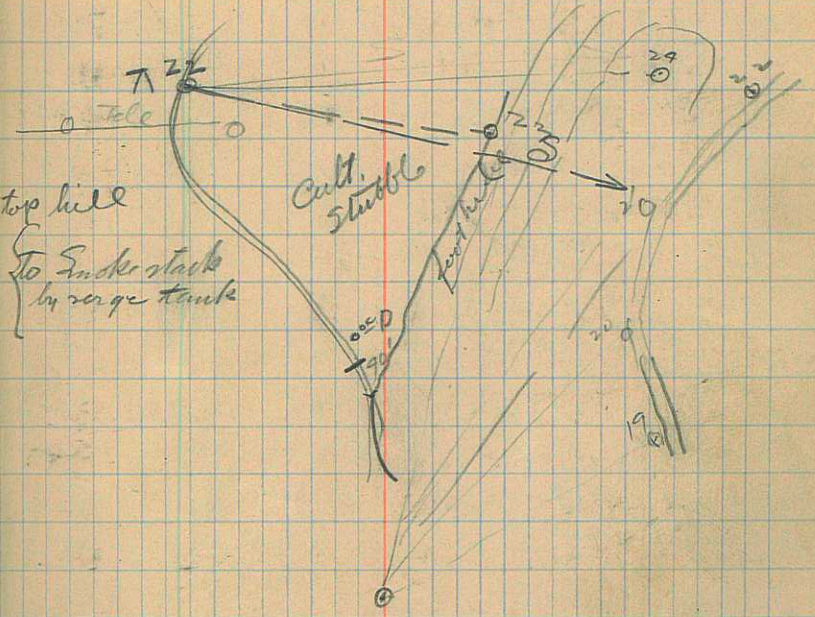
Ag Vert L — Stadia C. U

				5	8.60	
#16 -						
#16	18	5°10'	+2°17'	3		7.66
	17	20°45	+1°16	3		7.48
	13 +25.2	45°05'		4		6.28
	13	45°54		4		6
	12	48°45				
#13	110 - ~~#~~					
	110 -					
	11	348°41		30		4.0
	10 -					
	Sta 10D	49°25'			5.30	8.13
13?	9	55°07'		3		7.9
	8	56°16		3		6.88
	7					

Ht ±	RR in grade	BS	FS

			L	C	U
	36	346°42'	+1°32'	6	13.2
	35	246°45'	-14°18	3	5.78
Sta	34	351°25'	+1°42'	4	12.1
4	33	353	+2°50	4	12.08
Sta	32	211°45'	-16°	3	5.62
	31	6°55'	+1°13'	4	13.3
	30	10°	+12'	4	13.50
	29	10°26	+2'	2	10.95
	28	15°33'	-25'	2	10.95
T	27	98°01'	-4°47'	4	7.86
	26	8°7	-3°30	7	13.2
	25	2°50	-5°39	9	13.33
#16	24	—			
	24	340°14	+11°02'	4	13.3
		225°46'			
	23	358°20	+4°15	1	5.70
	22	—			
#13	#22	233°07	+42'	5	13.35
	#21	230°21	+36'	3	9.42
	#20	235°30	+42'	3	7.58
	#19	242°20	1°4'	5	8.6

13? #16

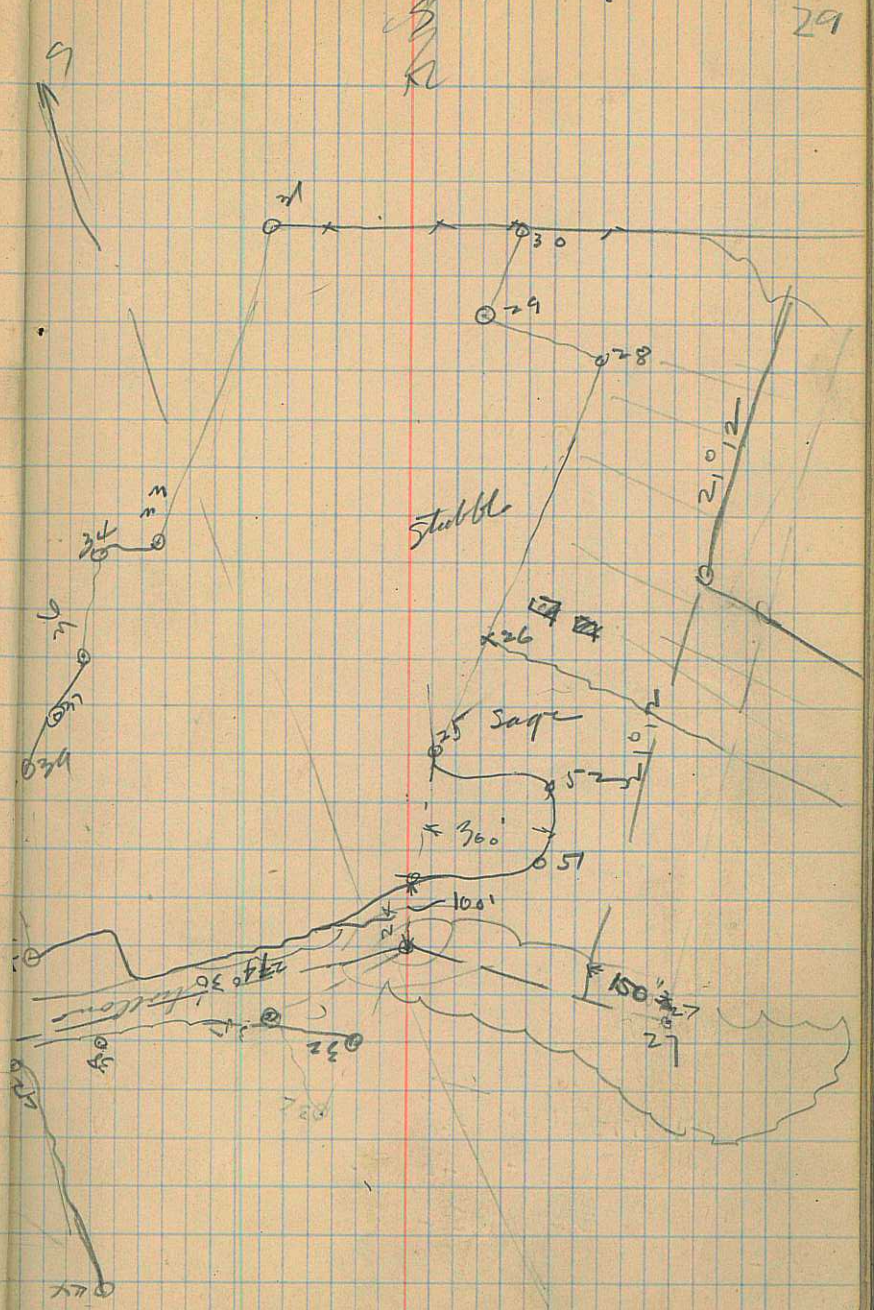


4.8

27

28

29

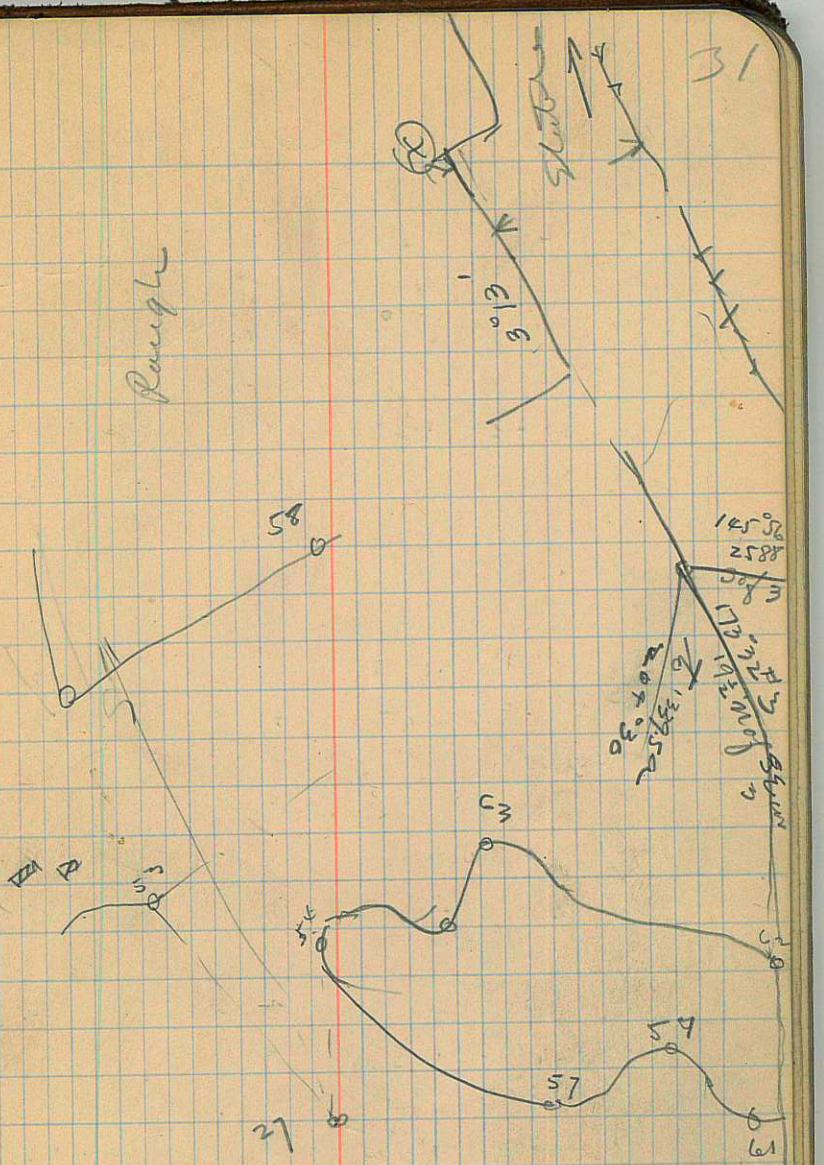


30

Slader

No	ay	VL	L	C	O
59	80°30	-10°	3		9.02
58	45°3	-5°25	5		14.1
57	81°	-13°25	4		7.8
56	27°	-4°30'	6		13.35
55	9°20	-2°20	6		13.00
54	13°20	-11°40	6		9.06
53	347°15	-2°2'	7		13.00
52	32°30	-8°40'	1		5.1
51	30°	-11°50	11		13
50	274°	-16°47'	11		12.8
49	203°37	-4°34'	1.0		9.9
48	206°04	-4°04'	3		13.2
47	275°53'	-6'	6		13.3
46	283°20	+14'	6		13.32
45	335°30	-1°16	2		13.15
44	240°16	0°18'	2		13.3
43	283°18	+2°	4		13.9
42	274°	-10'	2		9.70
41	326°	+2°05'		6	12.08
40	327°36'	+1°52		6	12.04
39	332°31'	+1°35	2		13
38	271°15	-3°46	3		8.4
37	343°32	+1°52'		6	13.4

29

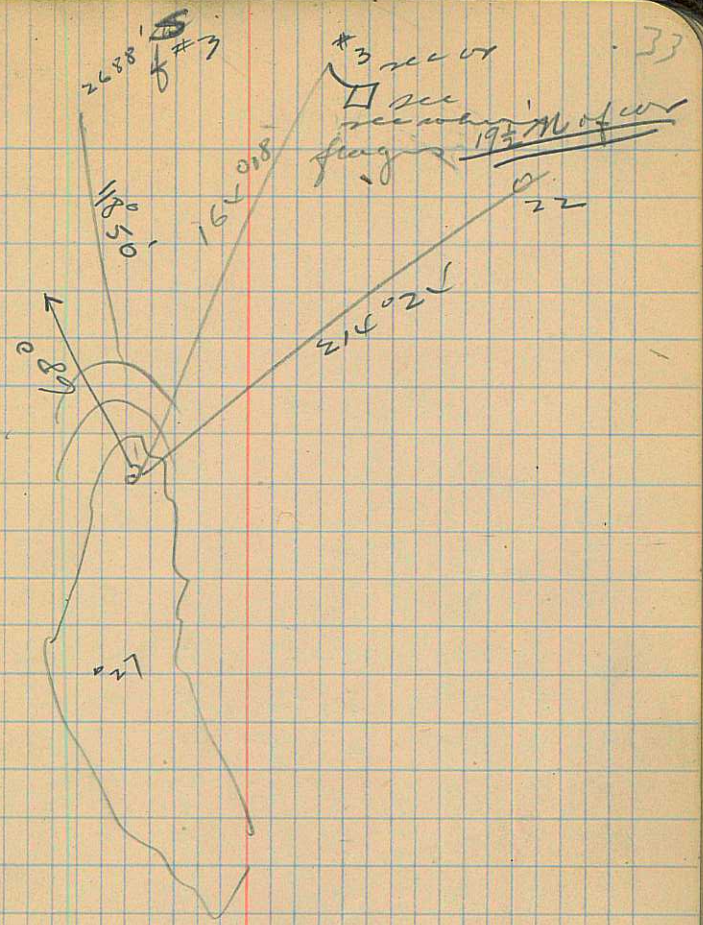


32

Nov 1911 Glacier

64	39°26	-11°55'	4	7.86
63	36°40'	-9°18	3	7.80
62	74°11	-8°35'	3	10.9
61	82°52'	-9°14	2	9.55
60	64°30	-6°30	6	13.4

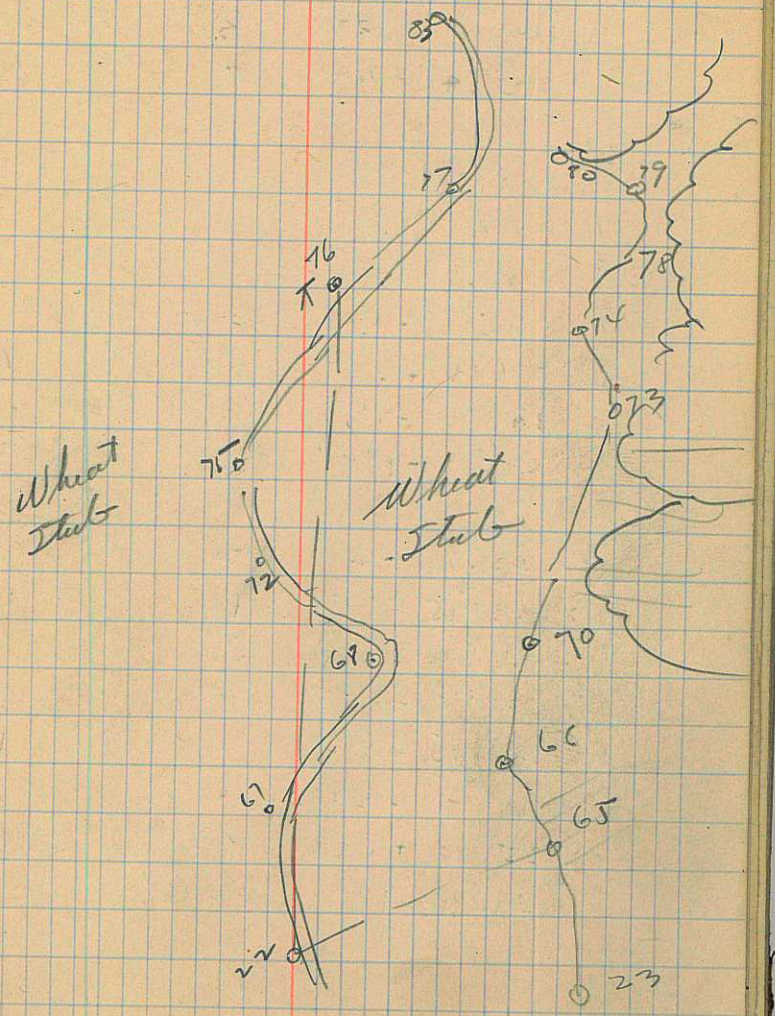
27-



33

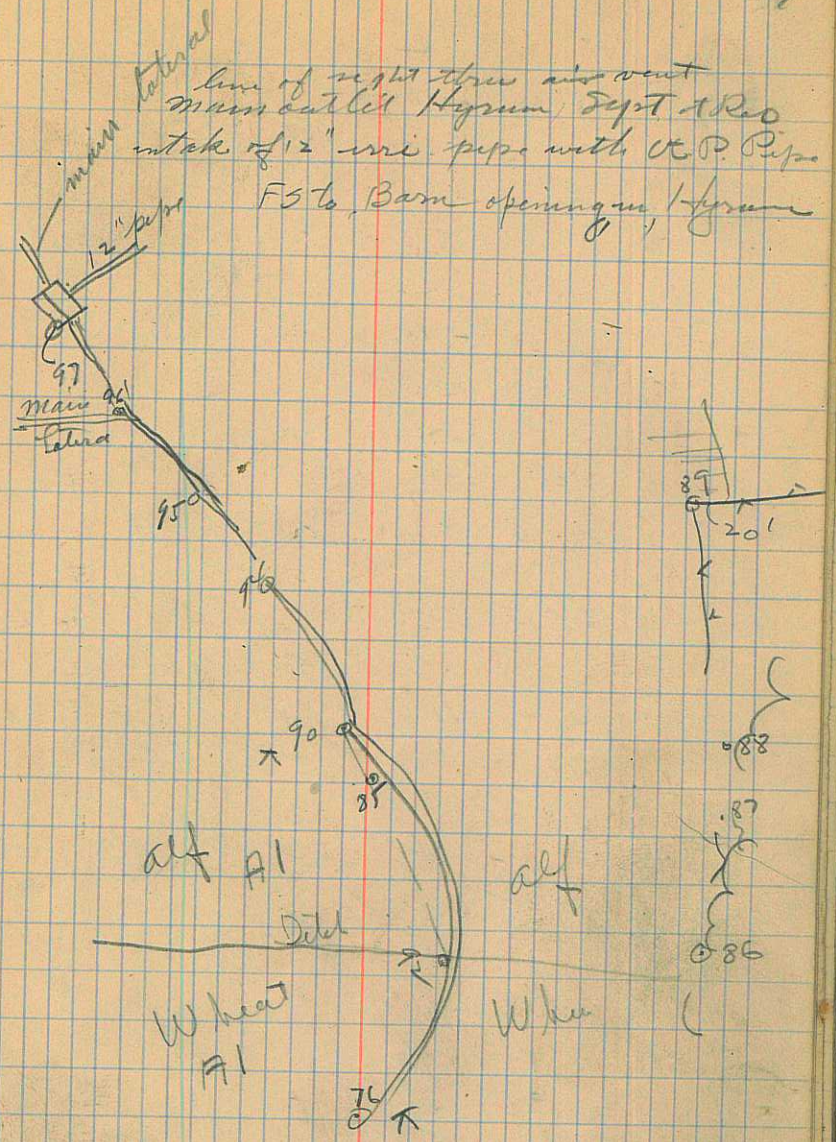
Stadia

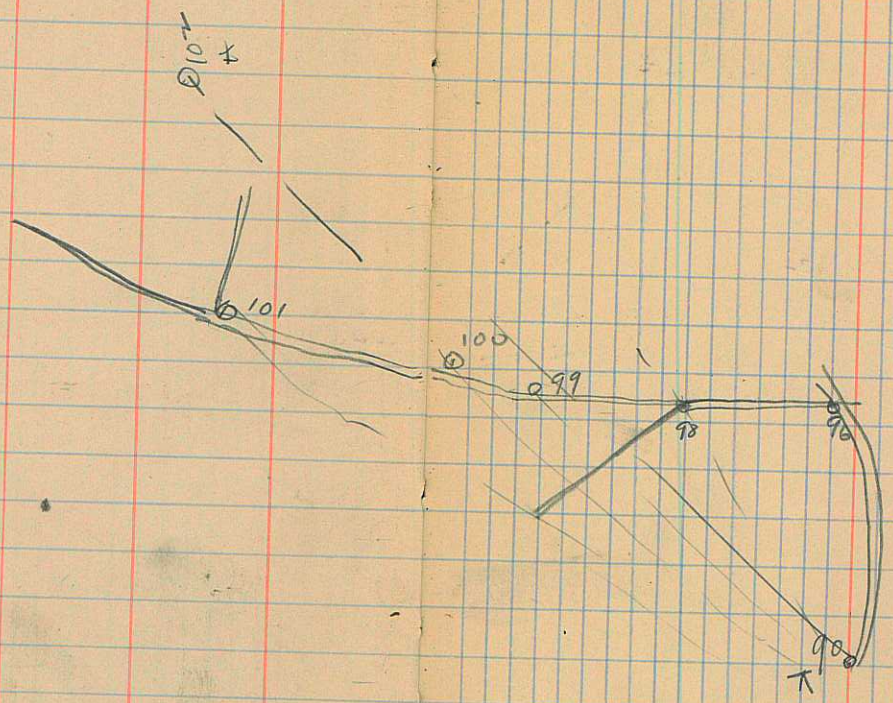
	Az	V L	—	C	D
82	267°	+1°38	1		5.72
81	250°	+40'	6		10.56
80	284°49'	+3°	1		5.4
79	295°35'	+4°8'	1		5.6
78	308°06'	+9°	4		8.1
77	293°34'	+47'	5		6.97
76-					
258.5 of 3 #4	84°51'				
3	152°16'				
133°29	178°23				
*76	221°11'	+22	5.00	9.62	
75	219°45'	+15'	3		9.65
74	248°54'	+3°05		9	13.4
73	253°12	+3°55	5		13.4
72	228°57	+22'	4		8.45
71	241°17	+20'	4		7.83
70	263°45	+1°15	1		5.90
69	273°30	+30'	5		7.67
68	279°12	+1°08'	2		5.50
67	263°20'	-24'	3		4.06
66	317°40	+3°13	2		5
65	327°38	+3°52	2		5.3
22-					



checking on Q at 1339.5a Station

	Az	V L		C	
1339.5a	130°29'	-8'			
	262°32	+3°53	3 5	13.6	8
	258°17	+3°30	4	13.5	
102 — 1339.5a	86°26				
* 102	110 06	-18'	2.0	7.2	12.3
101	108°18	-20'	3		10.3
100	114°54	-22'	3		9.12
99	120°24'	-19'	4		7.55
98	131°47'	-23'	4		8.5
97	207°13'	+30'	4		8.95
96	209°	+21	4		7.98
D95	220°15	+10'	4		6.16
J 94	225°35	-5'	4		5.03
93	236°03	+2°40'	1		6.0
92	15°44	+13'	5		8.75
91	292°9'	+1°44	2		5.32
90 —					
* 90	222°30'	+20'	2		10.50
89	234°15	+1°31	4		13.4
88	246 55	+2°4'	5		13.3
87	249°42	+1°45	6		13.21
86	252°05	+2°22	7		13.7
85	228°25	+24'	3		9.60
84	259°10	+1°28'	3		9.00
83	240°35'	+36'	4		9.95
76 —					




101
101
100
99
98
90
90

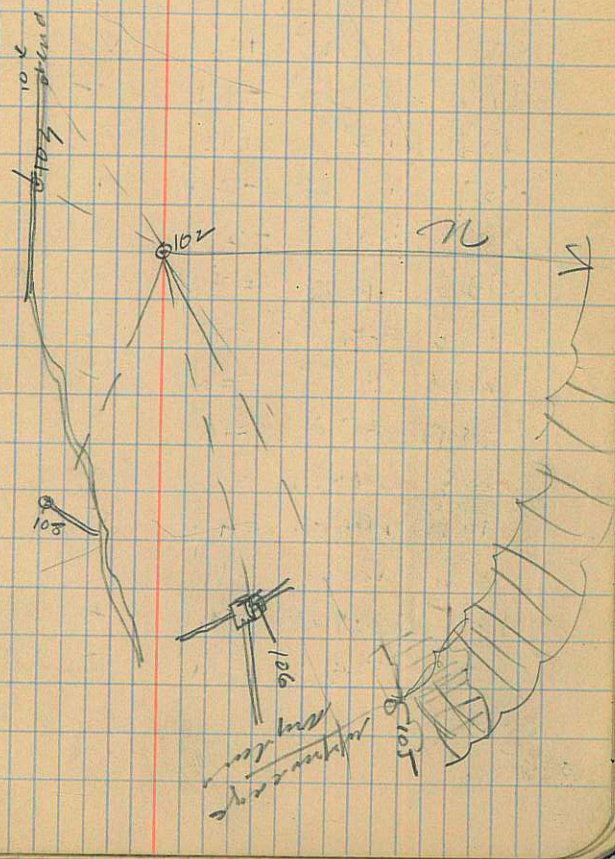
Sta No	Az	V L	L	Stadia C	Stadia U
126 D	191°36'	+5'	1		12.1
125 D	245°	+37	4		13.5
124 bk	201°40	+20	6	11.8	
123 D	246	+35	4		13.5
end 122 D	195°52	+20'	6	11.18	
121 Tp D	218°36	+37'	6	11.9	
120 Tp	228°40'	+40'	6	11.2	
119 bk	233°40	+30'	2		12
118	44	-1'	5		13.75
end 117 D	19°23	-17	2		6.03
116 D	0° 5'	-20'	2		5.5
115 D	217°12	+25	2		11.40
114 D J	232°30	+30	2		11.35
113 D	335°	-6'	2		5.2
112 D	245°15	+30	2		11.52
111 D	303°		4		8.08
110 D	252°45	+28	4		12.2
109 D	286°45	+28'	3	5.75	
108 D	287°53	+1°	8		13.8
107 D	261°32	+45	6	11.8	
106	265°30	+47'	4	10.00	
105	259°24	+40'	4	11.2	
104	51°40	-30'	2		5.51
103 D	32°38'	-17'	3		5.48

102 —

J = junction
bk = back of line
Tp = transmission Pt.

N line
S line

sta on curve off.



Station

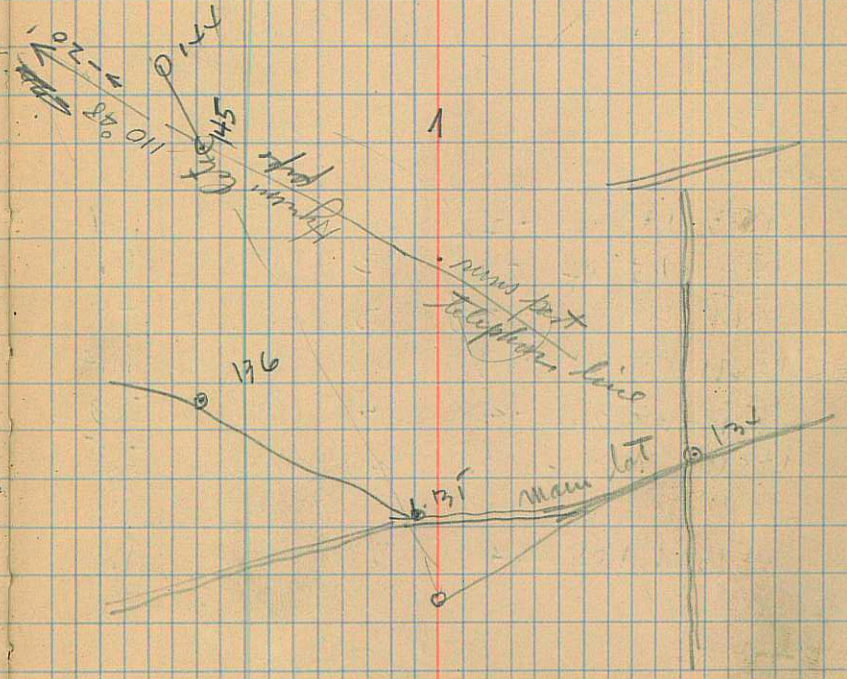
	Az	VL	L	C	U
obs 146	190°39'	± 0°	3		11.0
144-					
144	145°39	+ 7'	4		5.8
145-					
144-					
* 144	145°39'	- 4'	1.0	8.0	
143	156°05'	+14'	7		13,35
142	329°08'	+33	8		13.85
141 D	67°40'	+ 14	7		13.65
140 D	161°15	+28'	8		13.1
139 D	75°30'	-17'	2		5.7
138 DJ	112°	+10'	7		13.55
137	114°45	-22	1		5.9
136	126°	-22'	1		5.3
135 DJ	176°30'	+30	4		5,1
134 DJ	230°45	+10'	2		5.70
133 bh	164°	-4'	2.0	11.2	
132 D	237°	+10'	1		5.6
131 D	244°30	+24'	2		7.3
130 D	244	+43'	5		13.7
129 D	167	-11'		6	11.65
128 tp	243°20	+40'	4		13.15
127 bh	179°	-11'	5	5.0	11.7
102-					

tp = telep pole 43

B.S Fork

Intersection branch telephone with main line

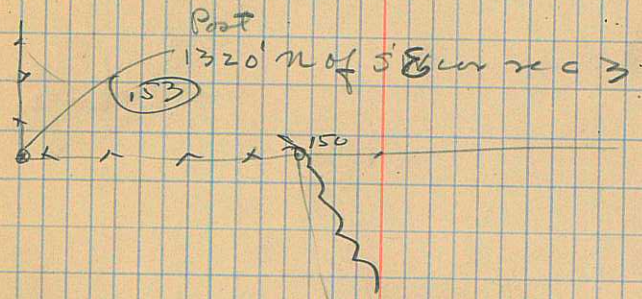
Low ground for entire



Stadia

Az	V	L	L	c	D
153	143°21'	-22'		5	11.6
152	115°32'	-20'	3		6.02
151 Tp	114°48'	-23'	3		5.8
150 bk	176°34'	-13'		6.0	11.4
149	64°30'	-40'	4.0		5.92
148 Tp	70°30'	-35'	4.0		5.5
147 bk	181°05'	-4'	2		11.1

144



147

West Trans. Tower
N line from B.F Plant
and fence
E. tower line
S line

46

Ditches In Plowed Land

Going North. 36' W + 19± N of Cor. stone

0+00

1 D
2 D
3 D
4 D
5 D
6 D

6+40± D

6+40±

7 D
8 D
9 D
10 D
11 D
12 D
13 D

13+21 D

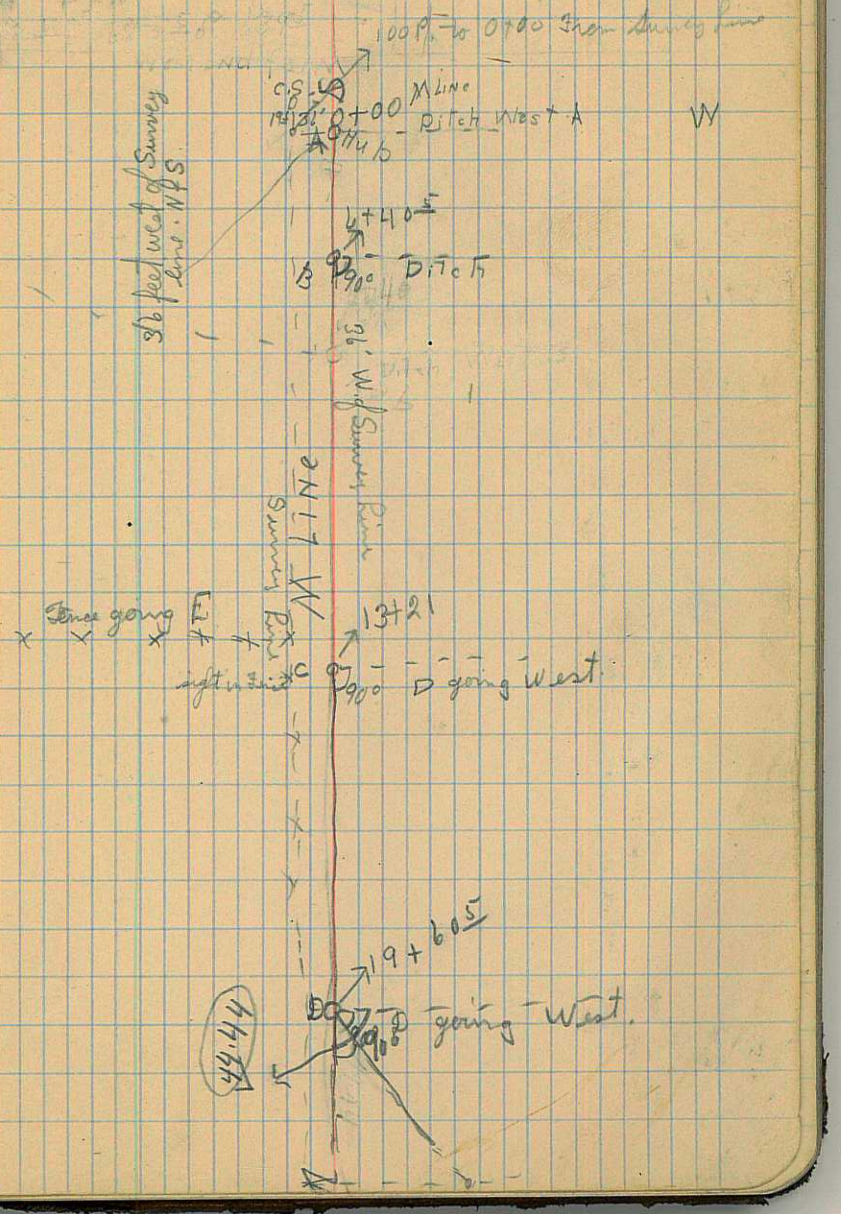
14
15
16
17
18
19

19+60±

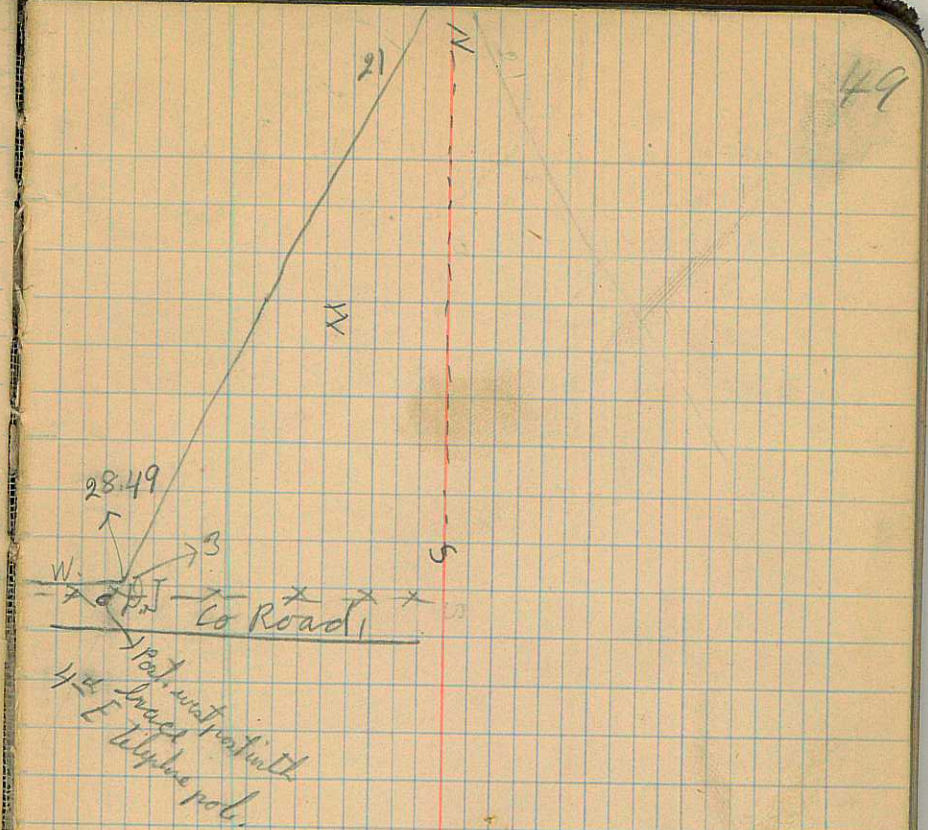
19+60±

20

47



21
22
23
24
25
26
27
28
28+49



50

C. Line Ditch

13+21 +37½ M Line

1

2

3

4

5

6

7

8

9

10

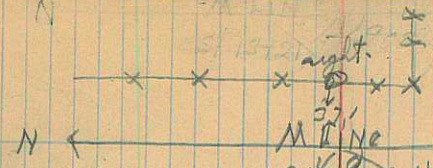
11

12

13

13+20

51



Back sight white flag on fence post flag at Hub

Foresight grey spot in trees south fence post.

C Line Ditch

right white flag

Hub

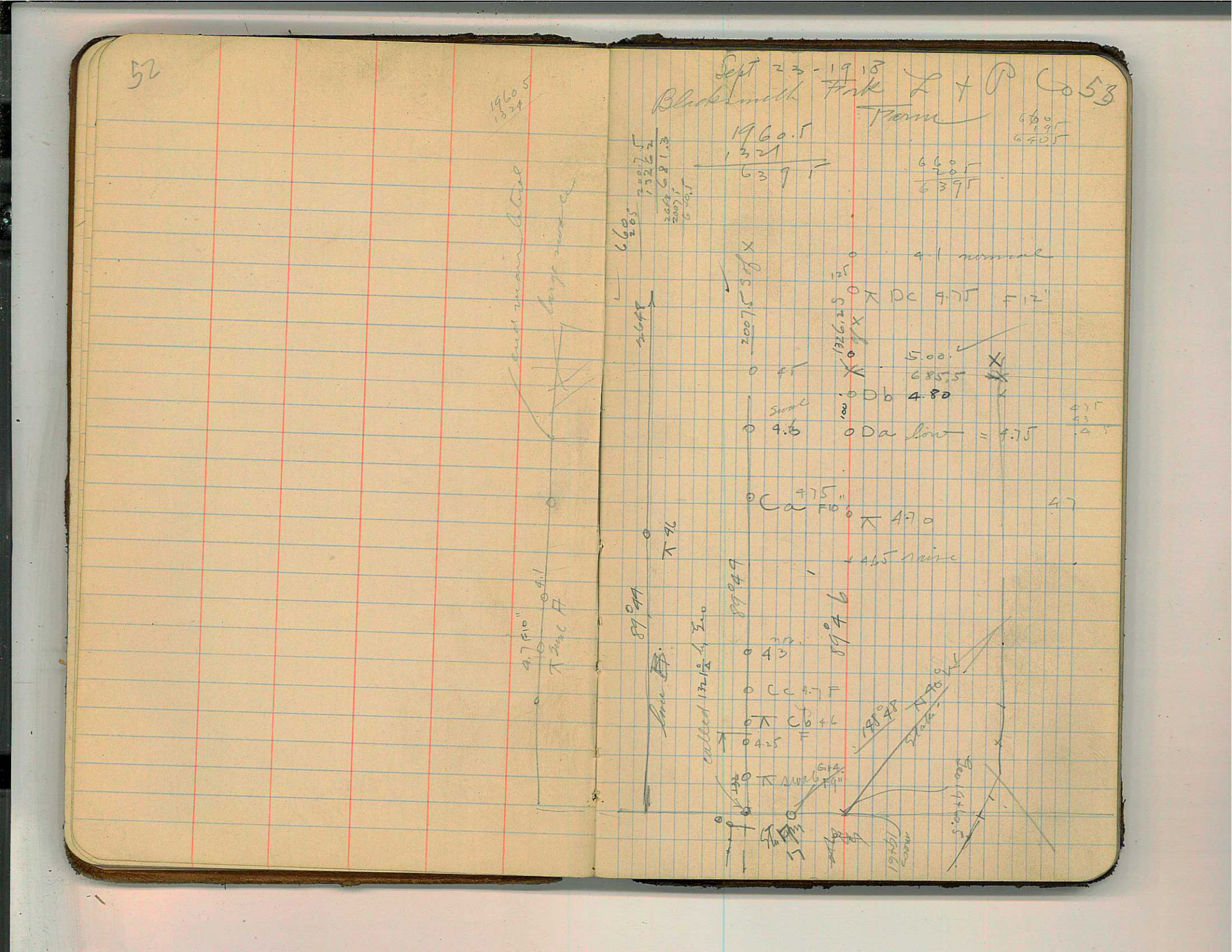
52

53

Sept 23 - 1918

Blacksmith Fork L & P Co

Flume


1960.5
1321
6391
6605
205
1322.2
681.3
2007.5
6405
6605
191
6405
6605
6391
4.1 normal
K Dc 4.75 F 12"
5.00.
6855
Db 4.80
Da line = 4.75
4.75
4.6
4.75"
Ca F10
4.70
4.65 normal
4.6
4.3
Cc 4.7 F
Cb 4.6
F
4.25
Level
4.1
4.7 F10"
T Sec. A
Sec. A
Sec. A

54

B Line

6+40 S

+37 to M Line

1 D
2 D
3 D
4 D
5 D
6 D
7 D
8 D
9 D
10 D
11 D
12 D
13 D

Hub 13+20 D

55

B Line

Pole Line

Bal-N

200'

Line

N

S

90°

46 6+40 S

+38 from survey line N+S

0 Hub

W

Back side Hub 6+40 S
Travato edge of shed between dam and other shed.

5b

Sept - 25 - 1918

Profile levels on a line 3/4 W of sec. and N of the SE cor sec 3-15S-5E

On Stone SE cor sec 3	15 S	5 E	cor
	4.600		
0			4.90
+30			5.40
1			4.80
2			4.1
3			4.8
4			4.5
5			4.75
6			4.65
6+40			4.90
7			4.70
8			5.50
9			5.60
10			6.05
11			6.15
12			6.65
~~10~~	2.36	6.81	
13			3.1
13+24			3.1
14			2.7
15			3.2
16			4
17			3.4
18			4

Stone

13½

37 Stone and 36 from Stake

To beg. on post 1/4 mi N of SE cor 3

58

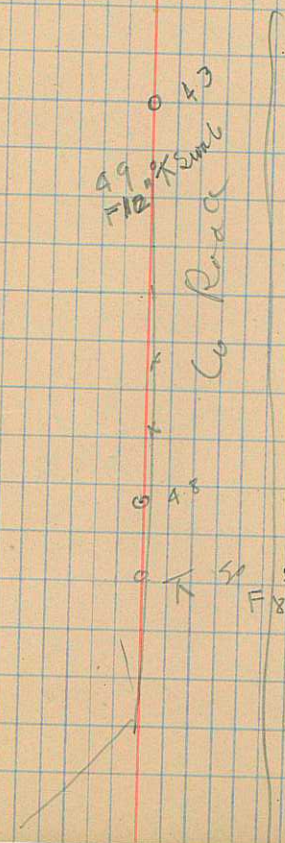
1 BS FS

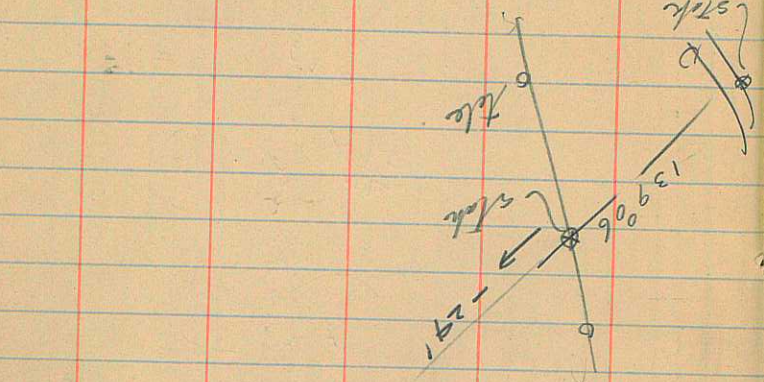
19
1960 5/A

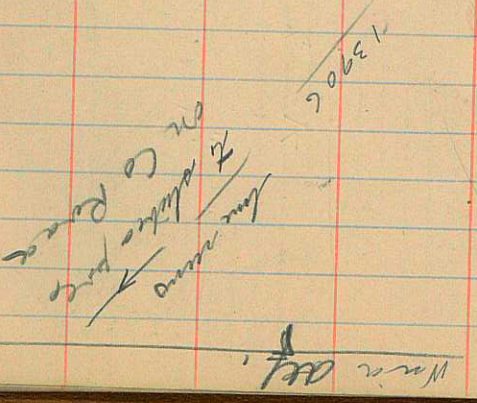
4.5
4.80
5.90
5.80

59

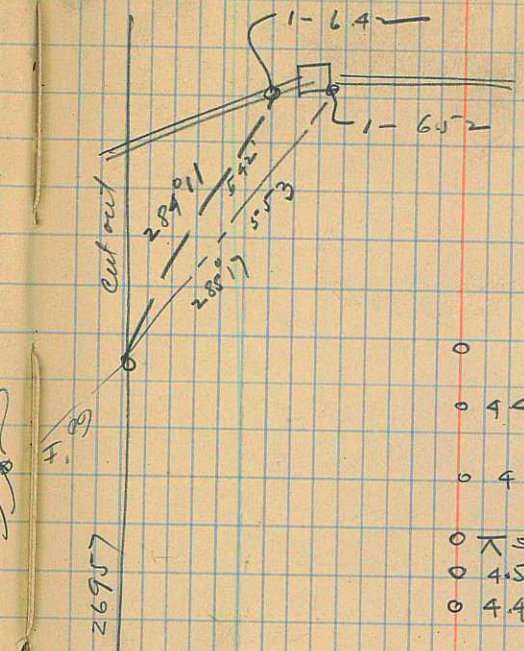
{in line N and para. line
{ho not staked nof 19+60 5/A
{on 20 d nail. Same —
{at telephone pole Stub east side
{of N. gate, Nail 4" above ground.





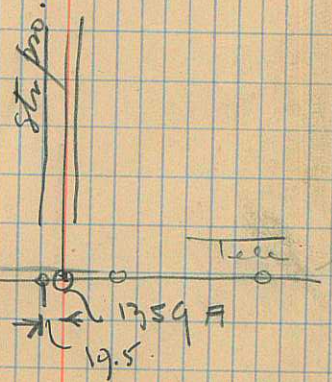


6795
1339.5 1379
1339.5
39.5



1379.5
1339.5
39.5
590

0
0 44 - 3.8 F 8"
0 43 - F 5" 43
0 5.0 F = 5.0
0 4.5 4.9
0 4.4



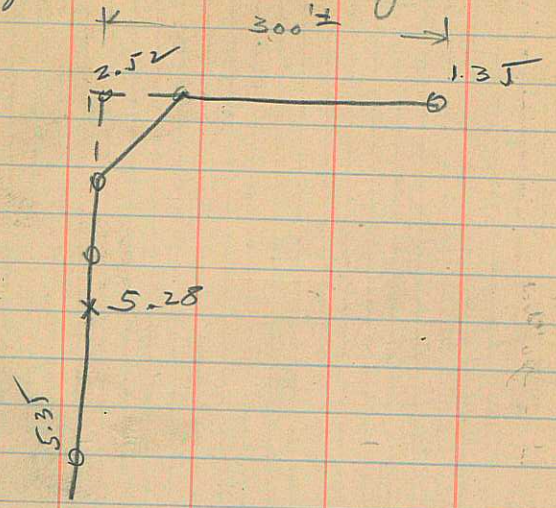
1339.5
19.5
1359.0

62

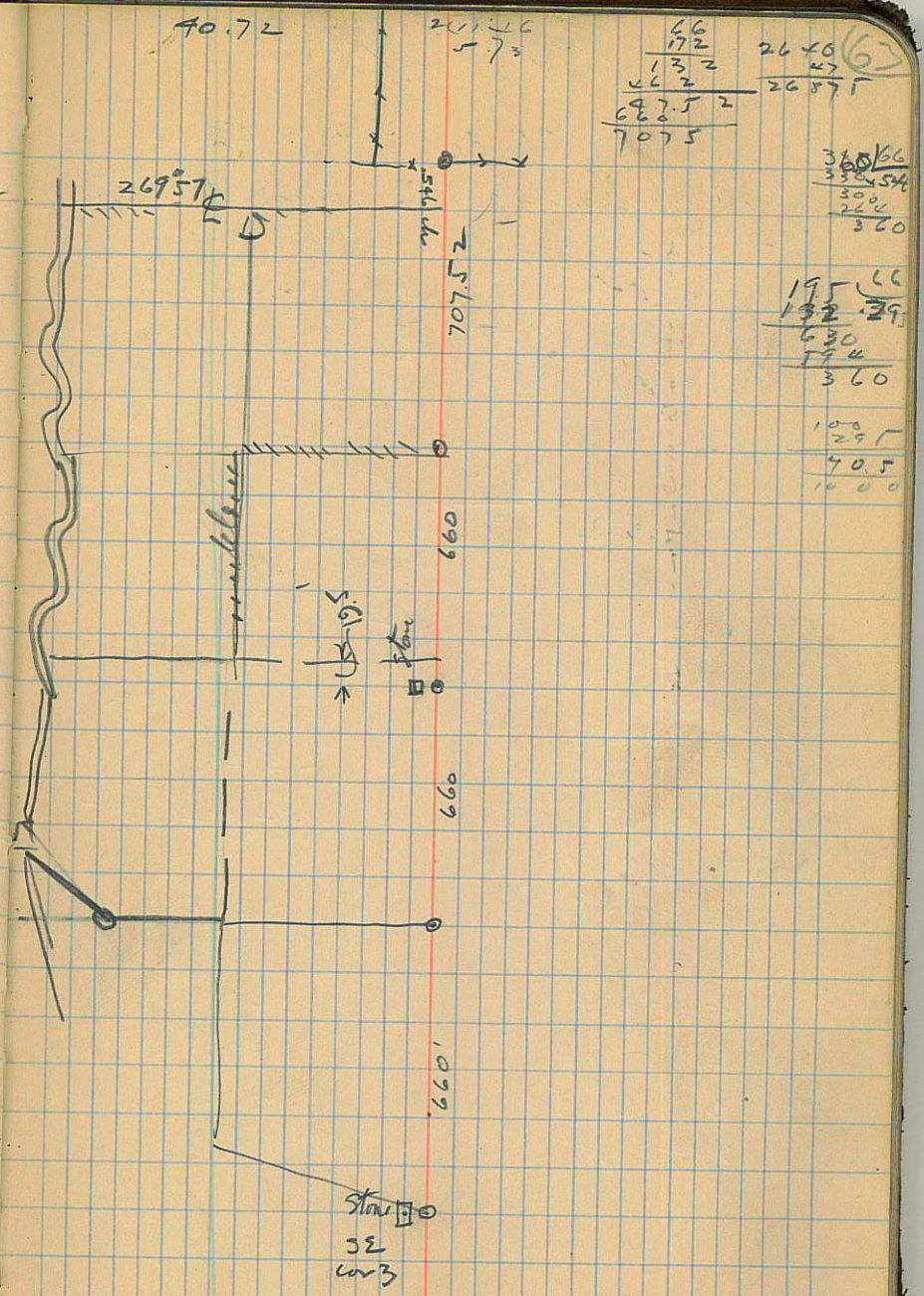
Oct 10 - 1918

Additional Survey

for E Ln. Co Kynun & Bench



67



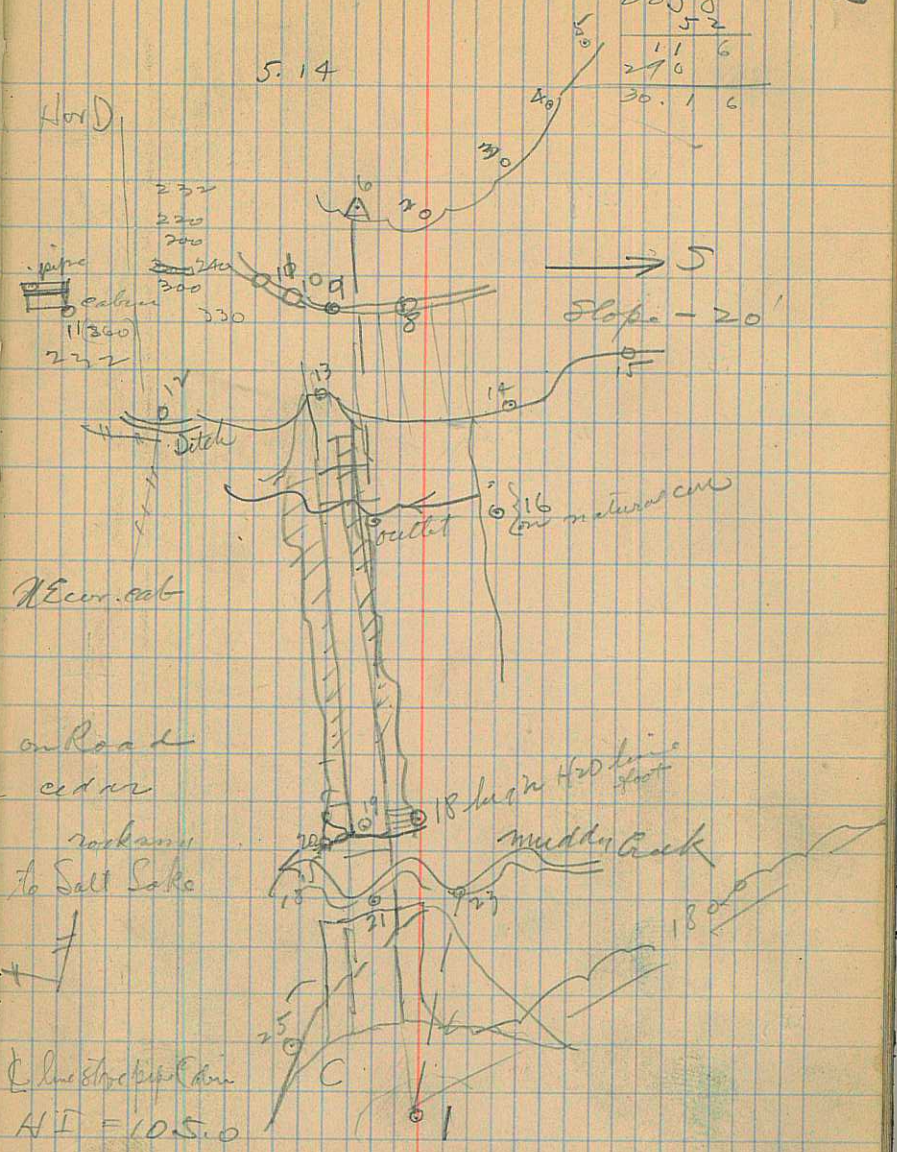
64

8-27-74

Survey & Study of Stevens Taylor Irrigation Project. —

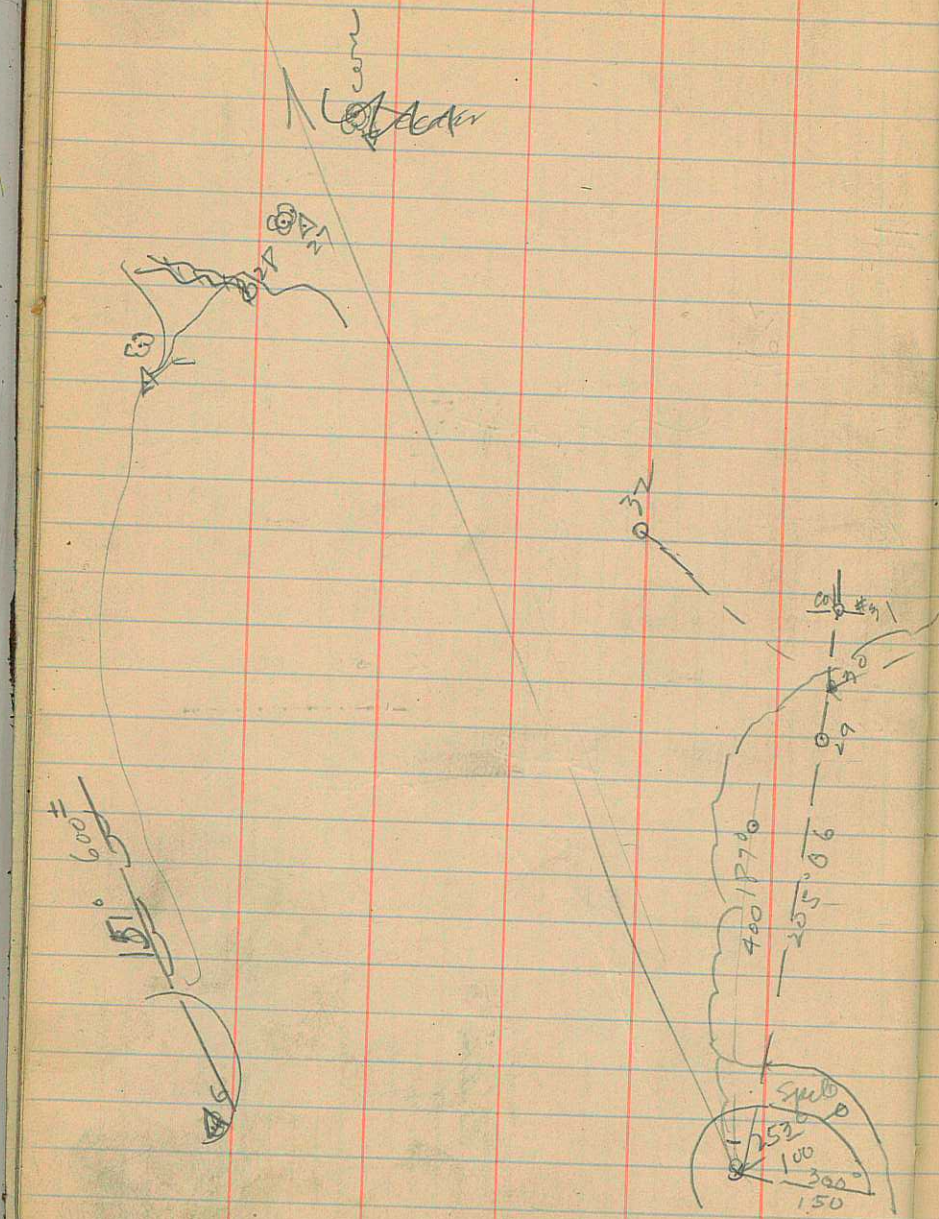
Hor Dist		Elev.				
25	32°50	46		-11°10'	14	15.2
24	119°17	49	3		-13°24	5.3
23	89°	47	3		-15°	5.14
22	85°41	45	3		-13°22	5.52
21	56°10	42	2		-11°06	5.12
20	56°18	42	2		-10°51'	5.42
19	59°30'	50	2		-8	5.7
18	63°07	59	3		-10°08	5.4
17	68°53	43	5		-4°	3.1 11.9
16	74°42	44 h contour	4		-3°56	11.8
15	79°42	52	3		-3°02	11.7
14	79°	45 52	3		-3°42	11.2
13	68°18	49	3		-3°29	11.3
12	62°05	43	4		-402	11.7
11	55°36	60	2		-2°14	11.8
10	66°30	57.6	3		-2°38	11.8
9	68°42	65.6	3		-2°41	11.8
8	72°	56.7	3		-2°42	11.75
△7	163°27					
△6	70°57	98	1		-4'	11.1
	0°	-33				
5	75°40	101	1		+8'	11.62
4	75°	101.1	1.		+8'	11.70
3	71°20		1		+.02'	11.2
2	55°2					
1		100.00				

5.14



65

66



67

6.84
7.80
54720
4788
52.320

105
52
53
8
4.5

15300
4.5
10

45

17.7
3.12
344
688
51668.824

105
59
4637
44.

2080
1600
320
3200

Approx. cap.
3500 a. 115000
2
30
105000
15000

69

Page Line

A17	135°49	+45'			
	65°	+04'			
	89°	+38			
	92°30	+48'			
	109°	+40'			
	140°	+50			
	171°10	+25			
	156°	+40'			
	200	+40'			
	227	+50'			
	257°	1°10'			
	285°10	+1°16			
	24°07				
32 —					
32	142°04	49.6	5	-4°25	11.12
A27	172°52				
A17	153°53				
#3176	200°06	48	5	-5°05	11.0
30 —					
30	205°06	104.60	5	-48'	5.98
29 —					
29	205°06'	106.7	+24'	5.10	10
A28	176				
A27	176°32				
26	55°	94	5	-6°25	5.51
1 —					

1500'± to first hill

up the main creek bottom

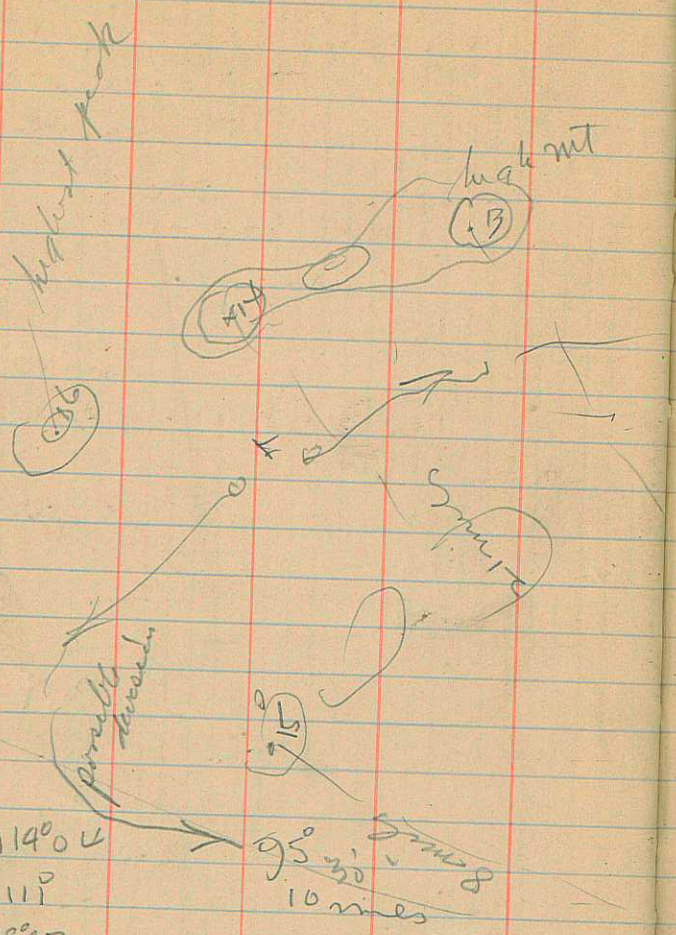
to Stone pipe

109.60 - HI

101.5 = HI

Sand Willow exact mid conn
Cedar/willow mid conn

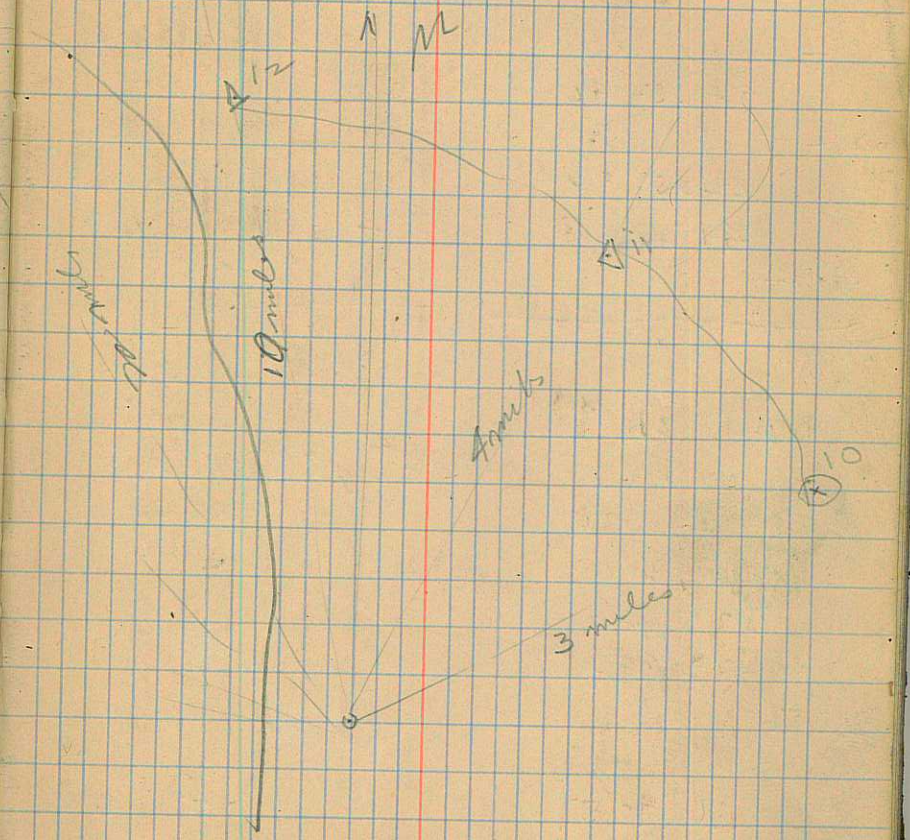
HI = 105



△6 114°0 L
△15 111°
△14 148°42
△13 146°40
△12 172°33
△11 190°10
△10 245°12

1 =

Drainage area study



72.

15° – 30' to Salt Lake
157°30 +45
~~34°30~~ -35'
90 -4'
0° -40'
270 level

40–

42 354°40

41–

42 352°43
~~41~~ 259°08 4 11.7

40–

Δ 11 ~~211°30~~ 211°30'
323°37
NE corcab 326°50
Cab. Elm 330°07
Δ 7 174°31'
Δ 27 182°30

Δ 6–

Δ 6 70°57' 1 -4 11.1

1–

73

70°57

1 – 11.1
-4'

2nd 74°08
Ezino Emmons Terrace Round Hom.
~~40~~ 0 Rock

pt. of bluff, rock.

$\frac{\text{Dist } 1057}{770} = \frac{84°28}{x}$

$\frac{770}{1057} = \frac{x}{84°28}$

.9953
770
69671
69671
766381
6811
86
6811
1830
1138
13

1.03 x
22540

22540 ÷ 280
21120 43
1420

4 1/4 miles

9532
84°28
35440

80°42
9335
352°43
−31'
40

1057

352 43
359 08
9335

354 40
359 08
9532

17960
9532
8428
9335
17803

17960
17803
157
9335
8428
18000

#1 at Dam

46°

Tributary

Tie

191

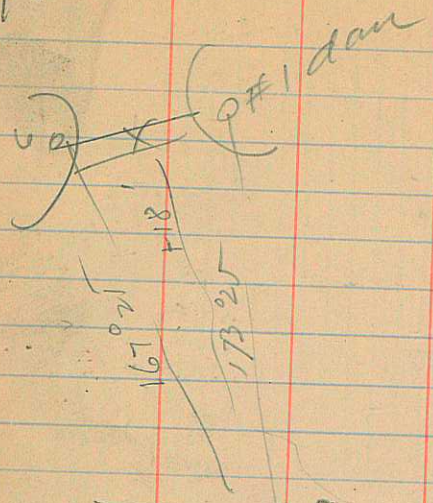
173°21

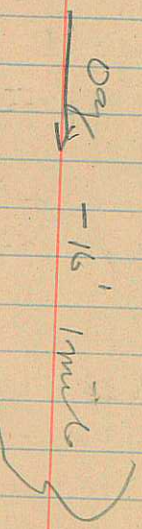
Marsh, Creek, Letter

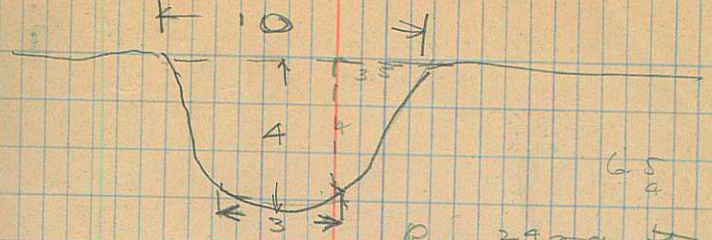
#0 100 B

1 mile +

-18'







$R = \frac{29}{11}$

20

.006

$\Gamma = 2$

$\Gamma = 1.4$

.025

.03

.001 √1.006

3.5 .26

.03 d 1.4

2.022

16

23.3
1.02
.406
.5552
1.018

.022
1.4
88
.0308

.C = 56

.0062

$Q = 56 \times 1.41 \times .08$

.03 .08

1.679 .0028

Q = about 2 ft

Q = 50

78

Sept 5 - 19 -1

Survey for C. L. Ames

pt	Az	dist to ℄	K	C	U
	340°51'				
1	351°62'				
along fence	72°48				
15 –					
15	39°55	~~10~~ 7'			
14 –					
14	219°55		2.0	+14°93	6.00
13	0°	5'			
12	130°42		3	-5°10	5.41
11 –					
11	142°52'		0	-1°08'	11.82
past 10	147°01		3	-3°20'	11.65
past 9	144°47'		3	-4°10	10.0
8	135°50		7	-6°50	11.35
7	134°30		2	-9°20	5.6
6	106°41'		5.05	-10°40	8
5	99°22		5.3	-11°35	8.00
	151°31	.45 hr			
4 –					
4	151°31	5.00			
3 –					
3	192°43		1	+2°45	11.75
270°	270°	34'			
1 –					

79

Lat		Dep	
N	S	E	W

Claims.

80

Beg at SW cor of N½ of SW¼ of sec 2. N 17.77 ch to brow hill. S 30° 07' E follow brow 2.31 ch; N 87° 11' E 4.77 ch to E side of Canyon Road; S 28° 9 E fl. 3rd Sta. 6.54 ch, N 69° 52' E 32.99 ch to E line of NW¼ of said Sec; S 21.60 ch to SE cor of N½ of SW¼ sd sec. W 40 ch to beg. 62-9 & a c

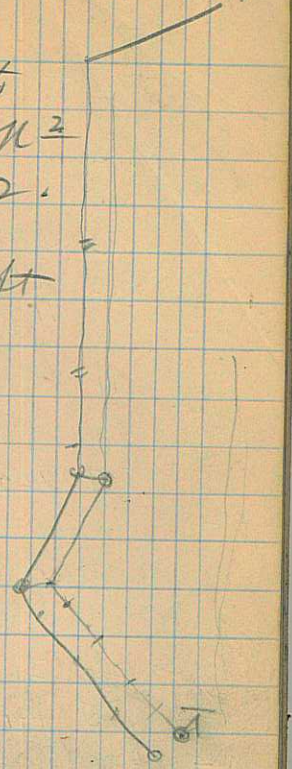
---

Part of the SW and NW¼ sec 2. Tp 10 N. R 1 E.

Beg. at the SE cor of the N½ of the SW¼ sec 2. 10 N 1 E thence N on the east line of the SW¼ of sd sec 2 21.60 ch. thence S 69° 52' W 960 feet, thence S 50° 10' E 567 feet " S 24° E 460 feet S 61° W ~~40 ft to a bank of the river over and across the Providence Canal~~

81

S 8° 30' E 260 ft to the S line of the N½ of the SW¼ sd sec 2. thence east on sd south line 290 ft. more or less to beg area 15 more or less



Survey of Price Estate Sept 7 – 1921

14 86°32 0.40

13 –

13 359°36 10.80

12 0°05' 1.66

71°02 to 5 and turn 2 mi. off.

11 –

11 0°05' 5.185

10 0°05' 0.17

9 124° 0.32

8 –

8 0°05' 13.300

7 0°05' 4.7'

6 21°30 0.647

5 149°47 0.465

4 –

4 7.602

3 13°04' 93.3 ✓

358°55

2 –

2 0°05 3.468 sec.

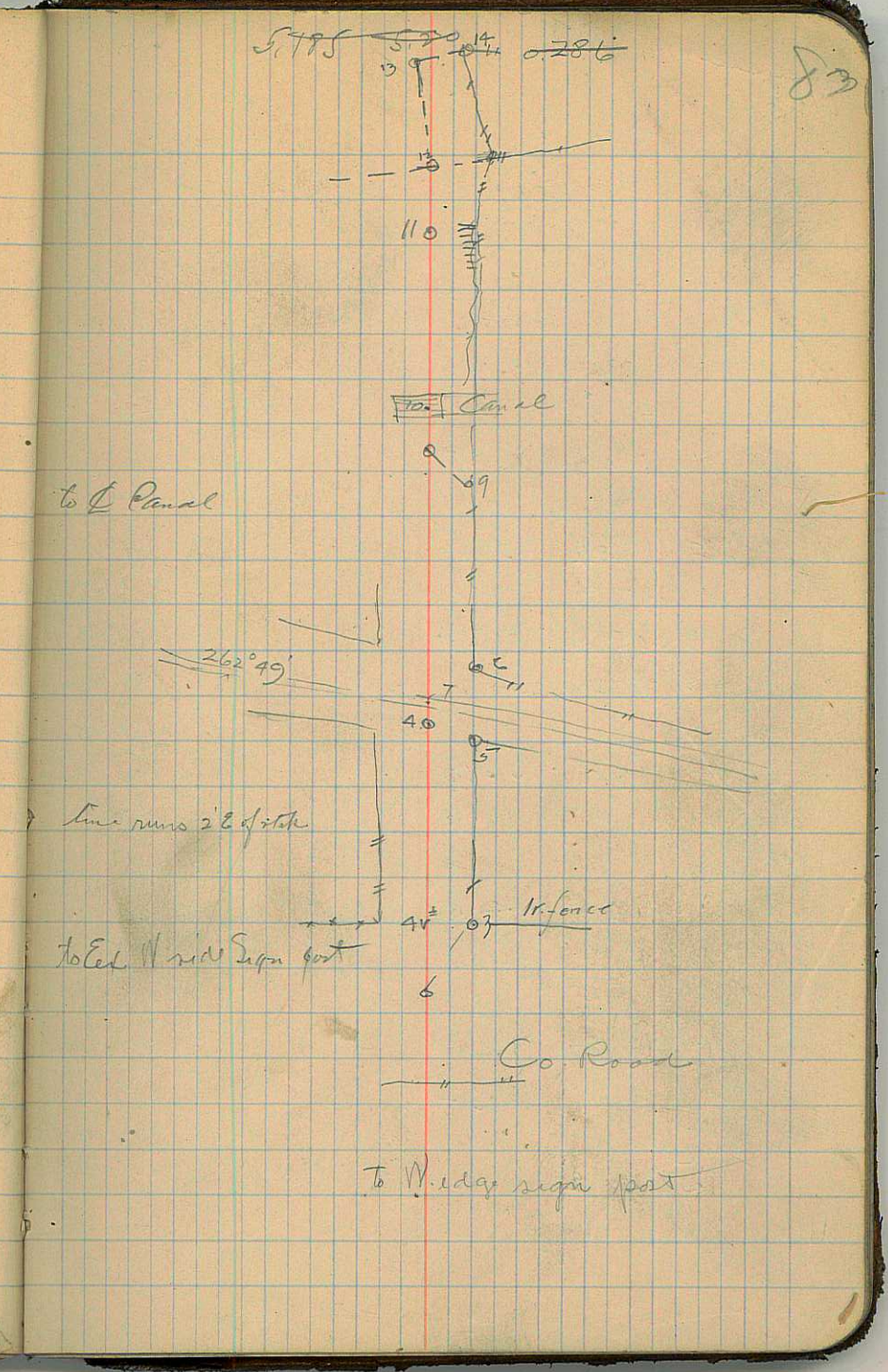
0°05 3.47

0°05 2.96

IW NW Corner 270°45 0.286 ✓

359°18

1 –



84

27

27 97°32 2.60
26 1°00' 0.75

25

25 92°54' 6.00
24 45°30' 0.36
23 205°30 0.52
22 318°30 0.30

21 —

21 69°51' 3.96
20 169°45' 0.16

19

19 102°07' 4.00
18 4°20' 0.39

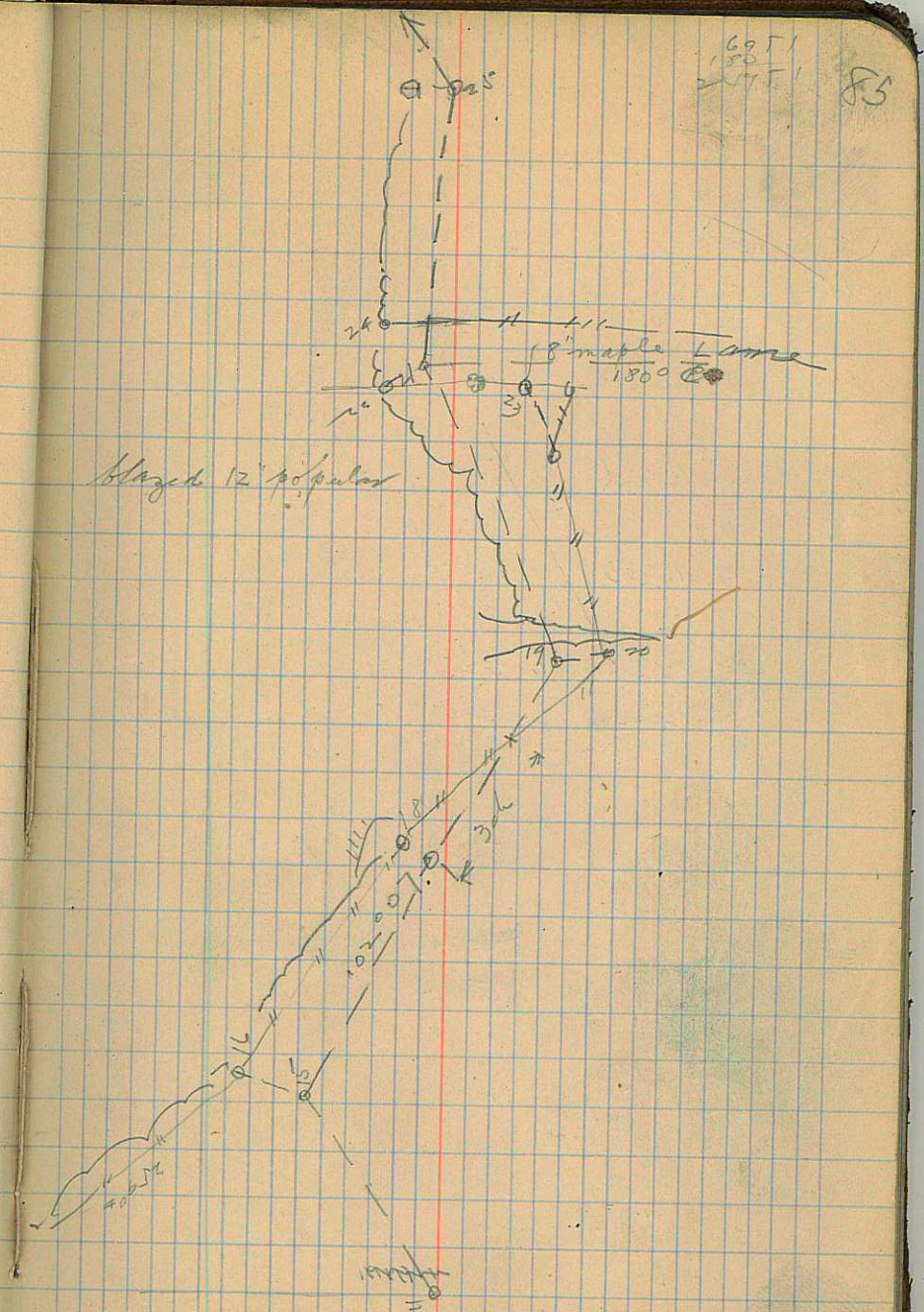
17 —

17 162°07 7.00
16 29° 0.32

15 —

15 66°02' 6.00

11 —



85

40 180°53 0.20

39 90°13 over and along mean fence

38 92°37 2.94

37 180°53 8.70

36 0°53 0.135ch in fence marked #36

0°53' 1 foot E of first tree

35 119°18 6.22

34 212°30 0.72

33 272° 0.18

32 104°26 2.50

Δa 9°16 5 -3°55 11.32

31 131°30 0.09

30 211° 1.25

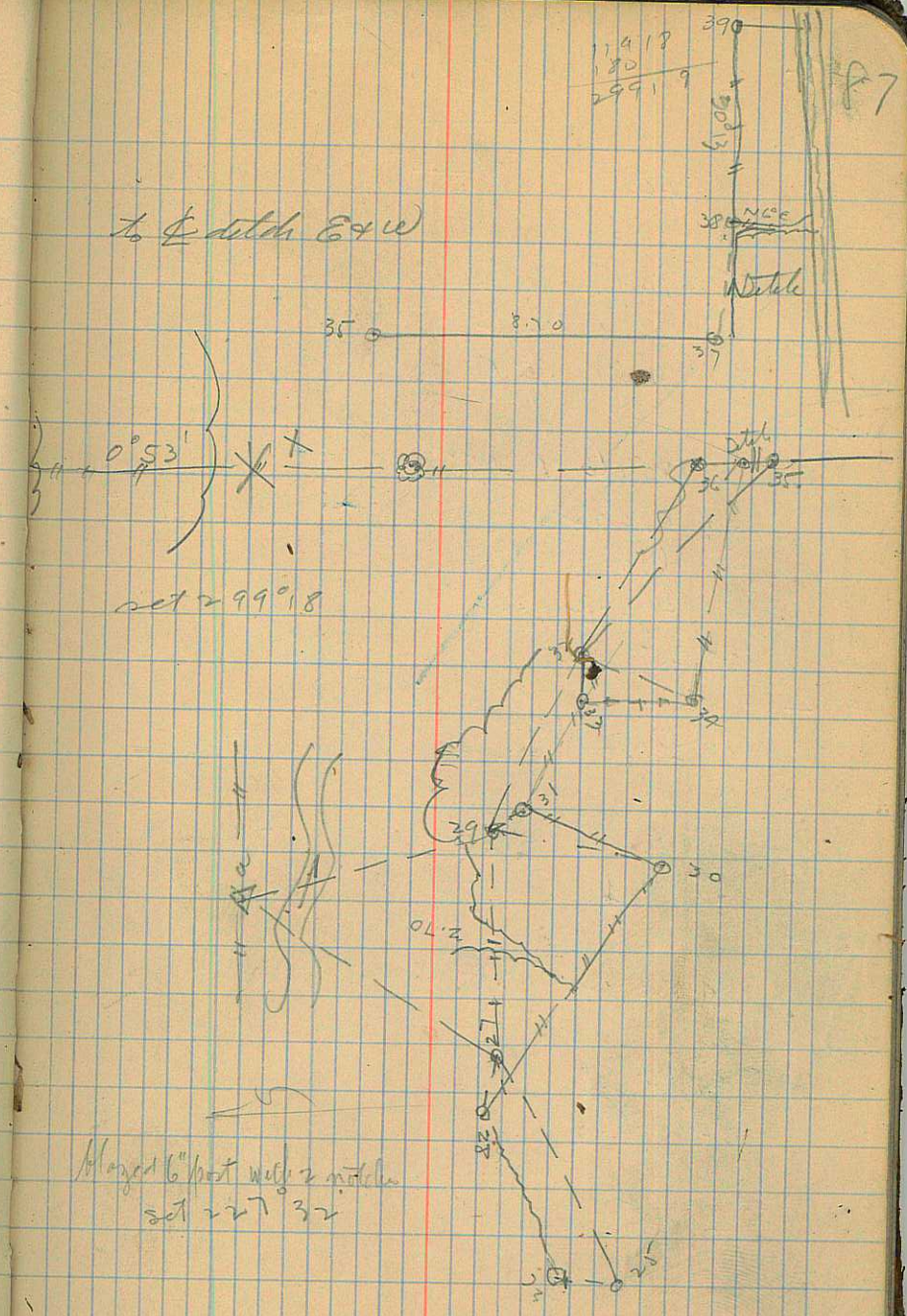
29 89°40 4.00

Δa 30°24

28 232°30 0.21

27 47°32' 2.60

25-



358°57 to W... corner
0°05 to Base point

88 2 269°15 5.905

57 272°15 5.00
56 [illegible] 0.83

55

55 272°15 9.00
54 344°12 0.62
53 11° .59

52

52 180°16 10.695
51 232°32
50 173°30 0.5
49 202°12 0.62
48 257°50 11.5°
11.35

47

47 262°49 24.60

43

46 8°30 2.46 = 1.89 + .57
45 7°40 0.57

44

44 83°44 7.00

43

43 94°21 4.86
42 180°53 0.51

41

41 180°53 3.00

37

89

1.89
.57
2.46

2 47
2 50
3 39

86
47
39

Comm'l

Comm'l

Old Stone Post

Old Stone Post

Old Stone Post

Tues Sept 6 1921

Ob on 44 5:10 P

	Az	Vert
Limit	82°45	17°50
⊙	83°33	17°04
	8309	1727
W	83°14	17°20'
⊙	83°56'	16°38'
	83352	1659
W	83°41	16°50'
⊙	84°24	16°09'
	84°02'30"	16 29'30
	83°35'30"	16°58'30 = mean

Sept 7 - 1921

Ob on # 4 9:55 am

W	306°30	41°46
	307°34	41°28'
	307°02'	41 37
	307°12	42°09
	308°14	41 50'
	307°43'	41°59'30"
	307°59	42°36
	309°15	42°22'
	308°37'	42 29
mean	307°47'20"	42°01'50"
A	310°32'	43°55'
	311°44	4338
	311°29	44°22'
	312°39	4404

-15

10:05 am

10:10

ob 16'

10:15

6th ✓ Z-O IR at end

Q = 41°38' mean end of 91

Z = 73 04 30, m = $\sqrt{\frac{\cos\frac{1}{2}(z+\varphi+\delta)\cos\frac{1}{2}(z+\varphi-\delta)}{\cos z \cos\varphi}}$

L = +6° 33' 10.9" =
-11 10
6 22 00.9 = δ = +6°22

73°04'30"
41 38
11442 30
6 22
2 121 04 30
cos 60 32 15 = T 69 18547
sin 54 10 15 = T 90 88879
T. 60074 26
730430 T 98076 97
T. 61997 29
T 87355 99
2 T. 74641 30
T. 873,2065

11442 30
6 22 00
2 108 20 30
54 10 15

179 57 46
48 18 50
131 41 10
2 63 22 20
8
83 22 20

-13'

Q = 41 38 - Z = 47°59 ✓ δ = +6°6'10"

δ

41 38
47 59
8937
6 06 10
2 95 43 10 ✓
cos 47 51 40 = 7.8266773 ✓
sin 41 45 20 T 8234442 ✓
T 6501215
T 8709597
T. 7791618
T 8735599 ✓
T. 9056019
T. 9528009

43
60
103

8937
2936 60
6 06 10
2 83 30 50
41 45 25

= 63 46 10
2
127 32 20
3 8
307 32 20

-15'

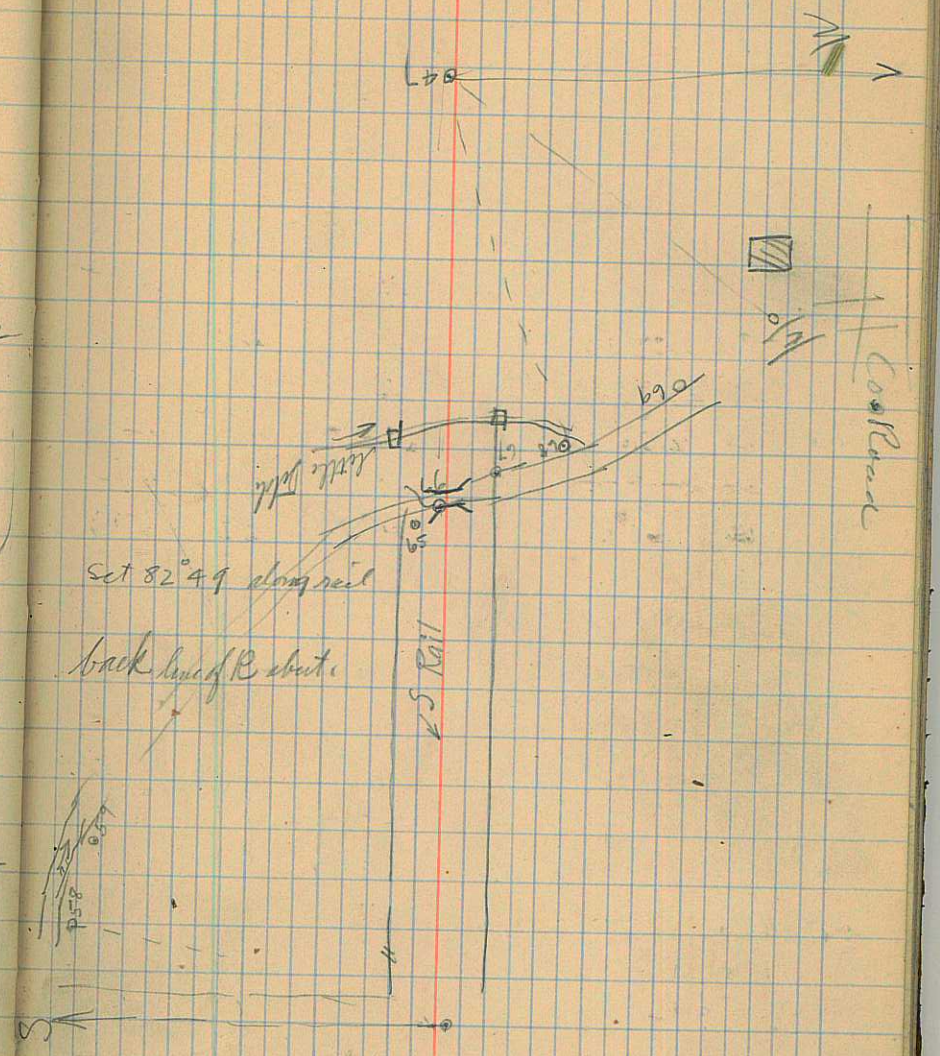
O K

-14 = a mean

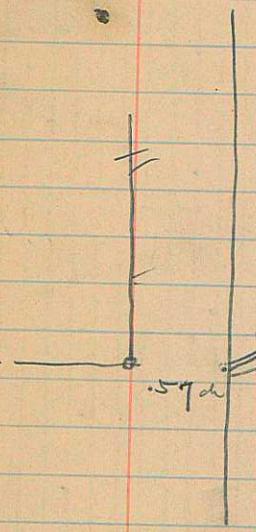
as usual

Price Estate Survey
concluded 9-7-27

Pt	Az	L	C	D
71	224°05'	3		11.45
70	229°20		6	10.02
69	236°47'	6		11.7
68	250°47	5.48		10
67	257°55	7		11.32
66	262°49	1	+50'	5.73
66	82°18	3	-28'	11.51
65	80°44'		7	11.1
64	68°17'	4		11.80
63	60°35'	4		11.82
62	54°20'	4		11.62
61	28°10'	5		12.0
60	19°30'		7	11.12
59	16°30		7	11.20
58	7°04'		7	11.34



Spruce



¼ cor out witness
by J. S. Brown

¼ cor about 18" SW of post

269° from new ass. az.

Survey for Jones

Con. Oil Co

100 | 998
998 | 100.2
2000
1996

14

A	90°	47.25	
	265°08	152.75	

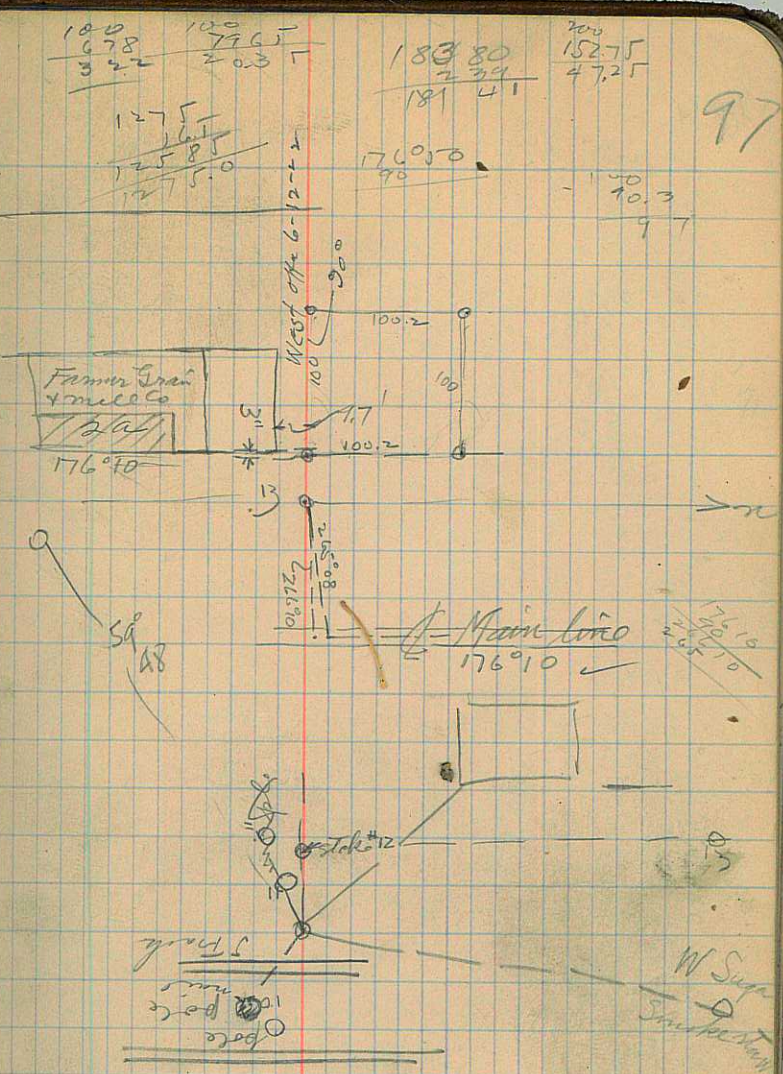
13—

13	176°50	~~1275~~ 1258.5 true ag.	

12—

12	89°57'	100.00	
11	64°17'	20.35	
10	29°39	32.2	(100 − 67.8)

1—



line runs thru tall guy pole 300' dist.

Same stake as Mill opp. Survey
81.41 FS to W. Cache Burgess
New stake 3/4 x 3/4 - 8" long

98

Levels cont'n

	BS	FS	HI	Elev
	6.94		106.94	100.00
		5.75		101.19
#27		1.59		
		5.900		101.04
	3.13		104.17	
		5.21		
		6.58		97.59 ✓
				93.70 ✓

0	
0	6.58
1	5.70
2	5.79
3	5.72
4	5.65
5	5.50
6	5.53
7	5.50
8	5.33
9	4.76
10	4.26
11	3.59
12	3.69
13	3.13
14	2.5
15	2.44
16	2.50

Hr on levels for
S. S. Bloomer
Sept 8 - 1921

99

RRGr C

on grade 8"

on H₂O

on hub

106.94 ✓	106.94 ✓	
5.94	5.75	
101.04	101.19	
3.13		
104.17	104.17	
101.19	5.72	
98.97	98.97	
2.22		

on H₂O where it runs on side stake

on hub sta 0

grade at sta 0

10.47	3'-10½"	104.17	
10.27	4'-6¾	6.58	
10.07	4'-3½	97.59	
9.87	4'-2"	100	
9.67	4'-1¼"	97.59	
9.47	3'-11¾	2.41	
9.27	3'-9"		
9.07	3'-6¾		
8.87	3'-6½		
8.67	3'-11"		
8.47	4'-2½		
8.27	4'-8¼		
8.07	4'-4½		
7.87	4'-9"		
7.67	5'-2"		
7.47	5'-3⅛"		
7.27	4'-9¼		

BS FS

6.94
3.13
10.07

5.90
6.58
12.48
10.87
2.91

100.00
2.41
97.59

1.45
1.33
4.35
4.35
4.785

99.50
7.25
92.25

97.59
92.25
5.34

100.00
4

97.59
94.72
2.87

99.50
4.78
94.72

106

104.17
6.58
97.59

14.5
4
5.80

17.59
93.7
3.89

104.17
93.3
10.87

99.50
5.8
93.7
1.2
92.5

104.17
93.7
11.67

99.5
5.8
93.7

104.17
93.7
1047

100
2.41
97.59

104.17
93.7
10.47
6.58
3.89

1.2 9

99.79
97.48
2.31

10 650
36
2
39

0.36
6500
1440
216
2340
9748
9982

10.7

	BS	FS	HI	RRG	C	Ele
~~16~~						
16				7.27		
17		2.75		7.07	4'-4"	✓
18	2.55			6.87	4'-4"	4.32
18	7.15			11.47	✓	
19		7.1		11.27	4'-2"	✓
20		6.89		11.07	4'-2¼	✓
21		6.52		10.87	4'-4½	✓
22		5.71		10.67	4'-11½	✓
23		5.14		10.47	5'-4"	✓
24		4.62		10.27	5'-8"	✓
25		4.17		10.07	5'-10¾	✓
26		3.86		9.87	6'	✓
27		3.38		9.67	6-3½	✓
28		2.64		9.47	6'-10"	✓
29		1.39		9.27	7-10¾	✓
				8.74		

Branch A — .3680

#19+05

				11.26		
13A	1.42	1.42		8.92	4-6"	107.32
12A		2.45		9.10	6-8	106.29
11A		3.27		9.28	6'-½	105.52
10A		3.38		9.46	6'-1"	105.36
9A		3.70		9.64	5'-11¼	105.04
8A		3.72		9.82	6'-1¼	105.02
7A		3.95		10.00	6'-½	104.79
6		3.92		10.18	6'-3"	104.82

163

Branch to SE runs in

108.74 on grade of old pipe manhole

99.82

100.29 grade

Branch A con,

Sta	BS	FS	HI	RR Gr.	C	Ele
6			3.92	10.180	6'-3"	104.82
5			4.05	10.36 (1.8)	6'-3¾"	104.69
4			4.70	10.54 (1.8)	5'-10"	104.04
3			5.38	10.78 (1.8)	5'-4⅛"	103.36
2			6.34	10.90 (1.8)	4'-6¾"	102.40
1			6.92	11.08 (1.8)	4'-2"	101.82
0			7.1	11.26	4'-2"	101.64
0						97.48

10.36
405
631

10.54
405
584

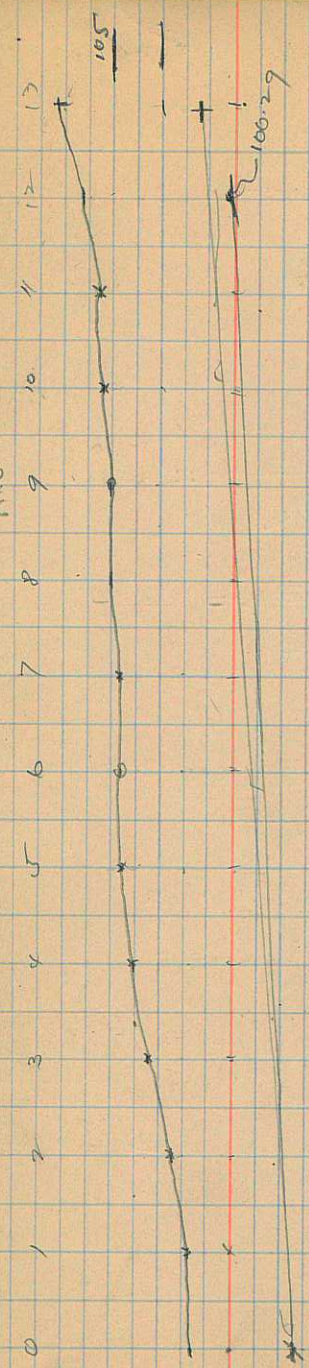
10.78
538
534

10.90
692
426

11.08
692
416

11.26
7.1
416

Gr.



108.74
97.48

108.74
7.36
101.38
106.29

9.96
405
591

10.18
47
5.48
1

10.39
538
5.01

6.34

10.61
634
427

10.83
692
391

108.74
100.29
8.45

97.48
2.81
100.29

100.29 at 12
97.48
2.81 | 0.650
2.80 | 0.432
21 | 0.270
19 | 50
1 | 50 | 0

9.1
1.2
1.82
9.1
10.92

6.50
.432
13 00
19 50
26 0 0
2.80 8 0 0

100.29
5
99.79

36
10874
99.82
8.92

$$\frac{a}{b}\frac{K}{K}$$

$$a \mp (aK$$

$$a \pm (a$$

$$\frac{a \pm aK}{b \pm bK} =$$

$$\frac{a - aK}{b - bK} = \frac{a(1-K)}{b(1-K)}$$

$$\frac{a + aK}{b - bK} = \frac{a(1+K)}{b(1-K)}$$

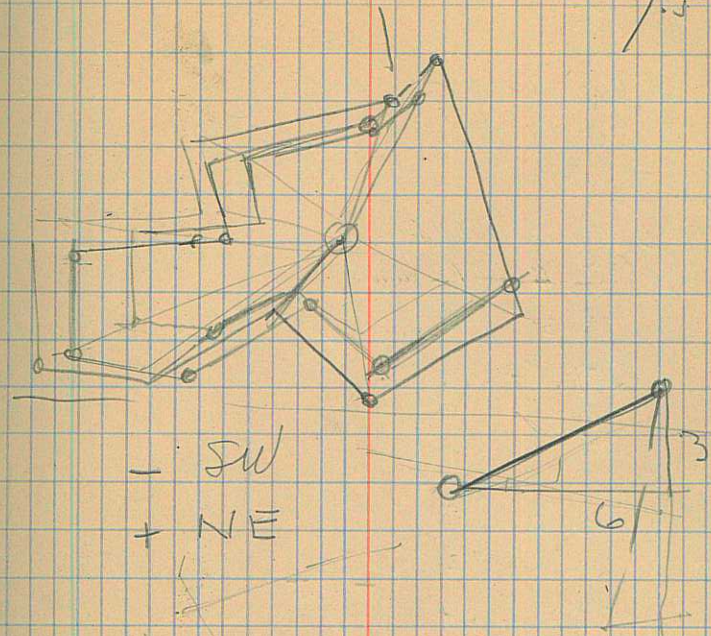
$$\frac{1.01}{.90} = 1.04$$

$$\frac{a(1-K)}{b(1+K)} =$$

5

$$\frac{9\,3\,5}{3\,4\,5}$$

$$\frac{3.7\,5\,2\,6}{7.5}$$



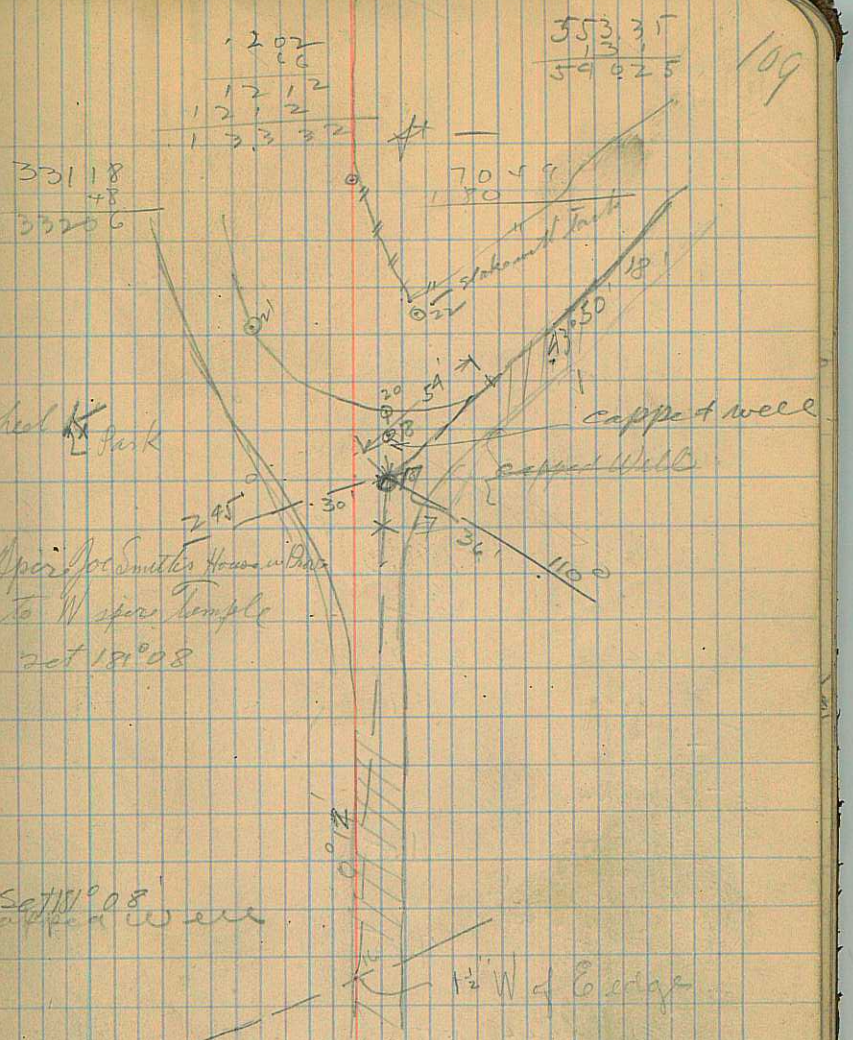
− SW

+ NE

108

Survey for Con. Oil
Sept 13 - 21 — Beg. at ± 1
of Lucas Brown Survey

22	23	346°40'	199.00
	22	8°34'	60.90
		45°23'	cupola, large barn 5 miles SE
		307°30'	
		193°29'	
18			
	21	330°50'	60
	20	0°	29'
	$9	43°50	54' to P.T. along S. side pavement
17		45	
18			
	18		553.35
	17	1°08'	540.25
16			
	16	70°39'	1212.7
15			
	15	70°49'	1606'
		332°06	true az
1			



109

306°46 Goe Smith Spire
34 74°30' 2.4' 2×2 stake
2.80
24 35.° post
aa 28°13'
33 43°28'

22 peg here

32 796.3
31 672
30 327'
29 49'

25 —

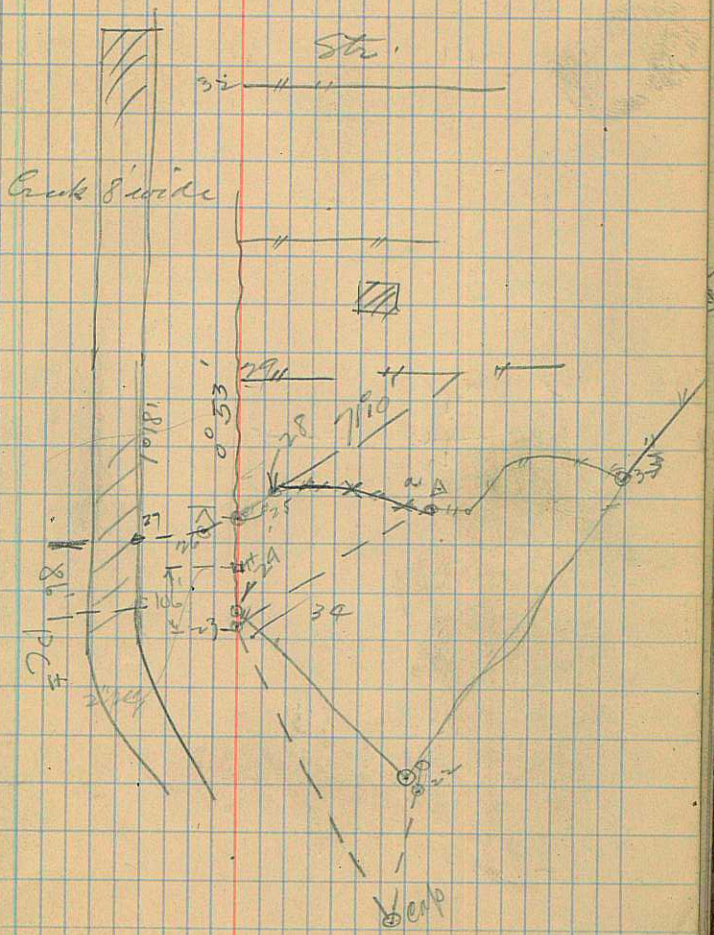
27 —

28 71°10 51.5'
Δ a 98°03'
276°14
27 39 39.65

26 —

26 359°49 178.00
25 0°53' 179.4
24 14° 2½'
22 157°34' 144.2
Δ2 54°10

23 —



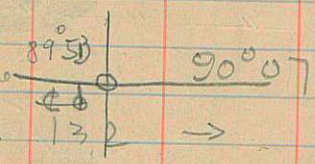
David Eccles to Rueld —

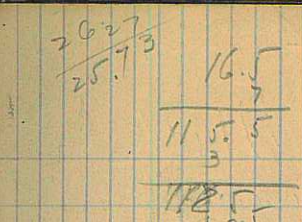
Beg. at SE cor of sd lot 1; N 88°30' W 7 rds 0 ft 3" N 1°30' E 6 r. 4 ft 10 in; N 88°30' W 1 r 7'-8"; N 1°30' E 7 r 11 ft; S 88°30' E 2 r 0'-8"; S 1°30' W 6 r 14.4"; S 88°30' E 6 r 7'-3" S 1°30' W 7 r 1' 6" to beg

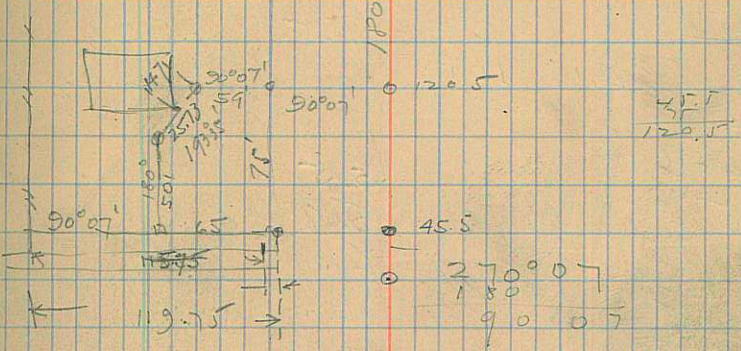
4 E + 4' N

30' out

99' Wide







9-17-14.

Attale Con. Milk Co

Survey from Stuart Spr

	BS	FS	HI	Ele	HI
0	3.28			100.00	103.28
0			3.44	99.84	
0+45			8.65	94.63	
1			7.2	96.08	
2			10.4	92.88	
3			13.0	90.28	
3+47			9.35	93.93	
	2.18	12.17		91.11	93.29
4					
4+16			5.5	87.79	
5			5.9	87.39	
6			6.0	87.29	
7			6.2	87.09	
8			7.2	86.09	
9			7.4	85.89	
10.0			8.00	85.29	
11			8.8	84.49	
12			9.8	83.49	
	3.42	9.56		83.73	87.15
pt. 12+75		58			
13+33			3.10	84.05	
14.00			4.30	82.85	
15			4.4	82.75	

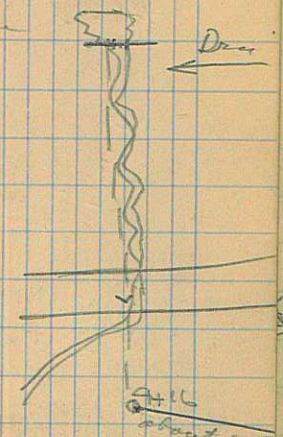
Q approx $\frac{.16}{.32}$

½ of 7 drain 200 gal per min

1400
200
1600

top made Stuart Spr.
on H=0 surface

Drain commences on 5 from
Cover given available



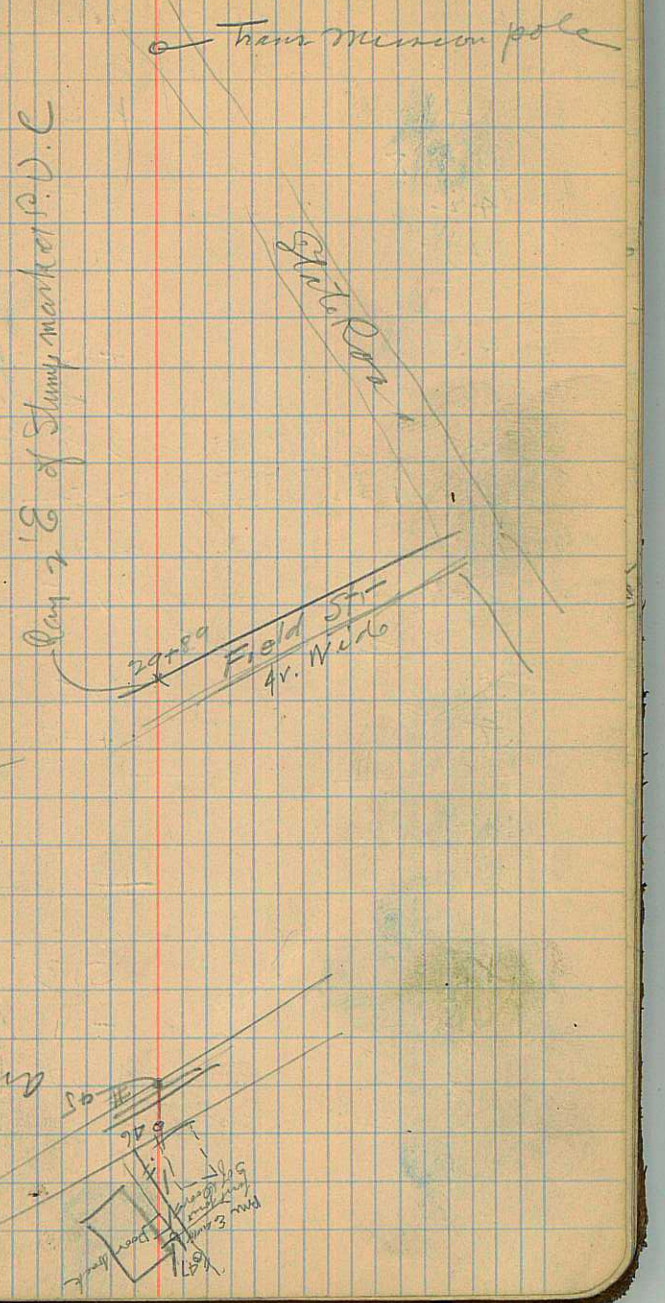
℄ of U.I.C.

4+16

Baste 12+73

℄ of Cornus

Sta	BS	FS	HI		
					87.15
16			6.1	81.05	
17			7.00	80.15	
18			7.50	79.65	
19			7.2	79.95	
20			8.2	78.95	
21			8.8	78.35	
22			9.0	78.15	
23			9.2	77.95	
24	5.52	9.13		78.02	83.54
25			5.3	78.24	
26			5.1	78.44	
27			5.1	78.44	
28			4.5	79.04	
28+89					
29			5.5	78.04	
30			5.0	78.54	
31			5.1	78.44	
32			4.4	79.14	
33			3.85	79.69	
34			3.5	80.04	
35			3.8	79.74	
36			3.8	79.74	
37	11.05	3.00		80.54	91.59
38			10.1	81.49	
39			9.0	82.59	
40			6.7	84.89	

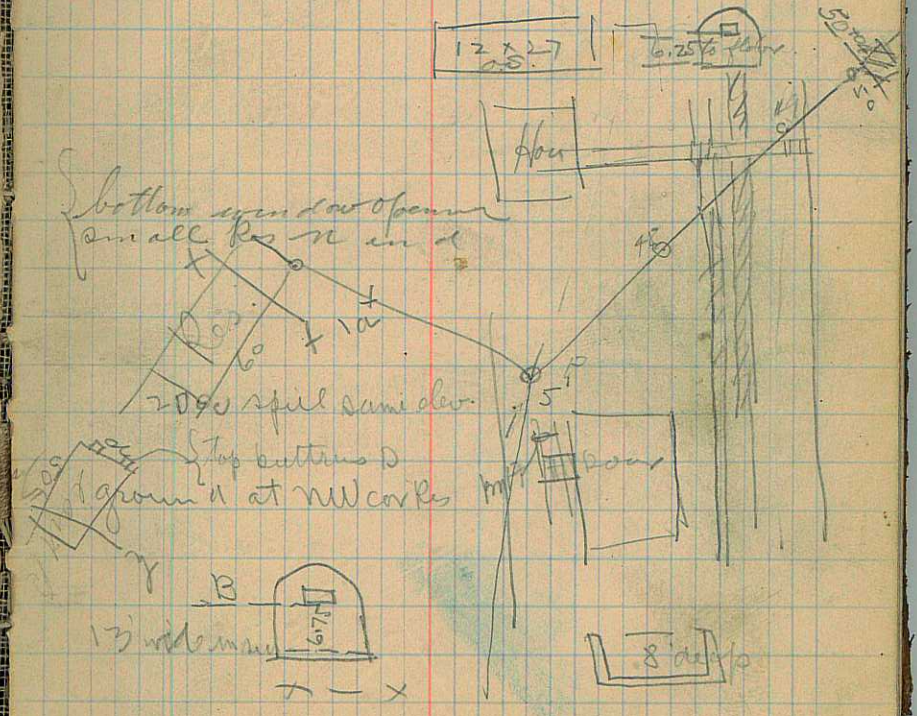


Sta	BS	FS	HI		
					71.59
40			6.7	84.89	
41			2.6	88.99	
	8.93	0.27		91.3 ✓	100.25
42			8.5	91.75	
43			7.1	93.15	
44			6.1	94.15	
45			4.2	96.05	
46			3.4	96.85	
47			3.9	96.35 ✓	
	1.22	3.50	~~3.500~~	96.75 ✓	97.97
48			4.4	93.57	
49			13.5	84.47	
	2.26	12.50		85.47	87.73
50			7.8	79.93	
50+04			4.47	83.26	
BMA.	12.76			96.75	109.51
	6.19	1.06		108.45	114.64
10			5.3	109.34	
1+75			5.1	109.54	
B			1.32	113.32	
C	2.39	1.43		113.28	115.60
D			1.16	114.44 ✓	

H.I. coincides with lower edge of Dan. Remedy in middle window sill.

Remedy same elevation as pavement.

Bottom concrete pavement Excell

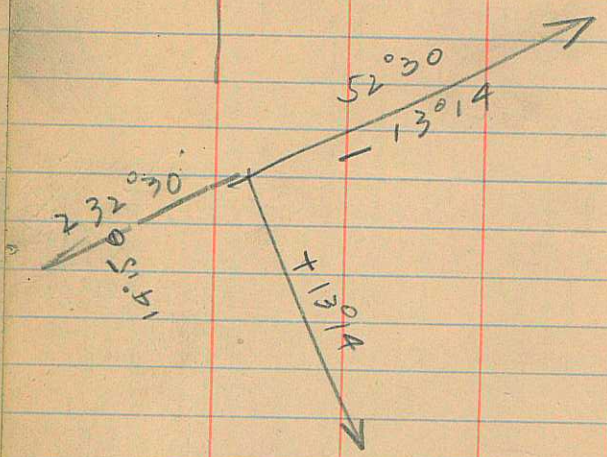


State Fork Hatchery.

Dip & strike of ledge

-13°14

52 30 -152°30
90 180
142 30



122

Fish Hatchery Pipe Line Survey

PT 5+98.8	BS	FS	HI	Elev	
				6.590	101.50
5+36.8	9.45	6.52		3.50	98.67 / 101.66
5+12				7.2 Creek	97.96
				5.70	99.46
4+62				5.60	99.56
4+05.0 on curve				4.20	100.96
	70°40'				
P.T. 3+50				3.90	101.26
P.T. 3+04				4.00	101.16
+303.5 m	℄ of curve				102.01
2+84	53			11.3	101.04
PC 2+37	53 3.15 dist	10.33		11.2	101.14
1+89	53°			8.1	104.24
1+34	53°	1.04	12.06		111.30
0+84	53°	0.10	11.21	11.8	122.67
0	219°	1.63	13.16		132.84
0+34 —				3.40	143.6
				9.2	136.8
				+10°32	147.7
Brunton		3.86			142.14

105.16 top PI

112.34
123.36
134.47

146.00 — HI

99 100
56 47
73 55
199.60
110.10
160.50
330.60
70.30
15

70°40
53
17

14

42 15 3 123

1.040

on floor ⊕ Plan elev. 101.6'

Creek 1.5' lower

⊕ P.T. 3+500 35° R.

3+04

⊕ 1+84

PC 2+37 236° 45' R

⊕ 15° R

5988
462
1368

Sept 21- 1921

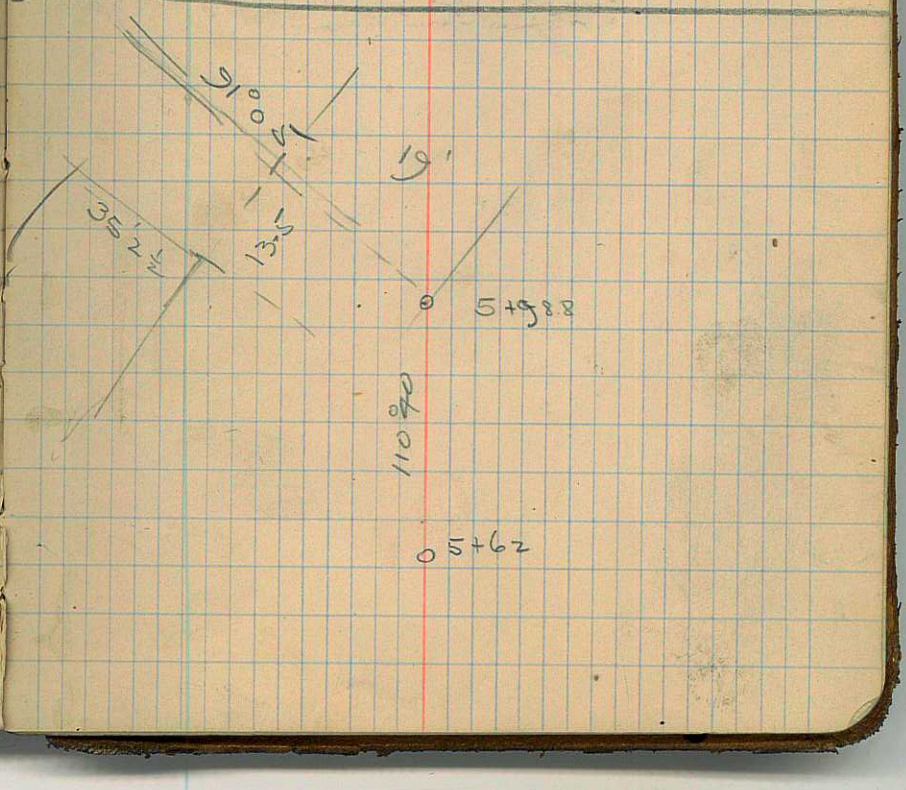
Water Meas. of Spr. for State Fish Hatchery West Spr—

✓ h = 6 - 1¾" = 4¼" = .35

East spr meas below culvert at Road 6 - 2½ = 3½ = h perhaps 0.03 cfs taken by East Spr opp. West 25' below meas Culvert h = 0.33 ft - 4"

Total 0.36 cfs

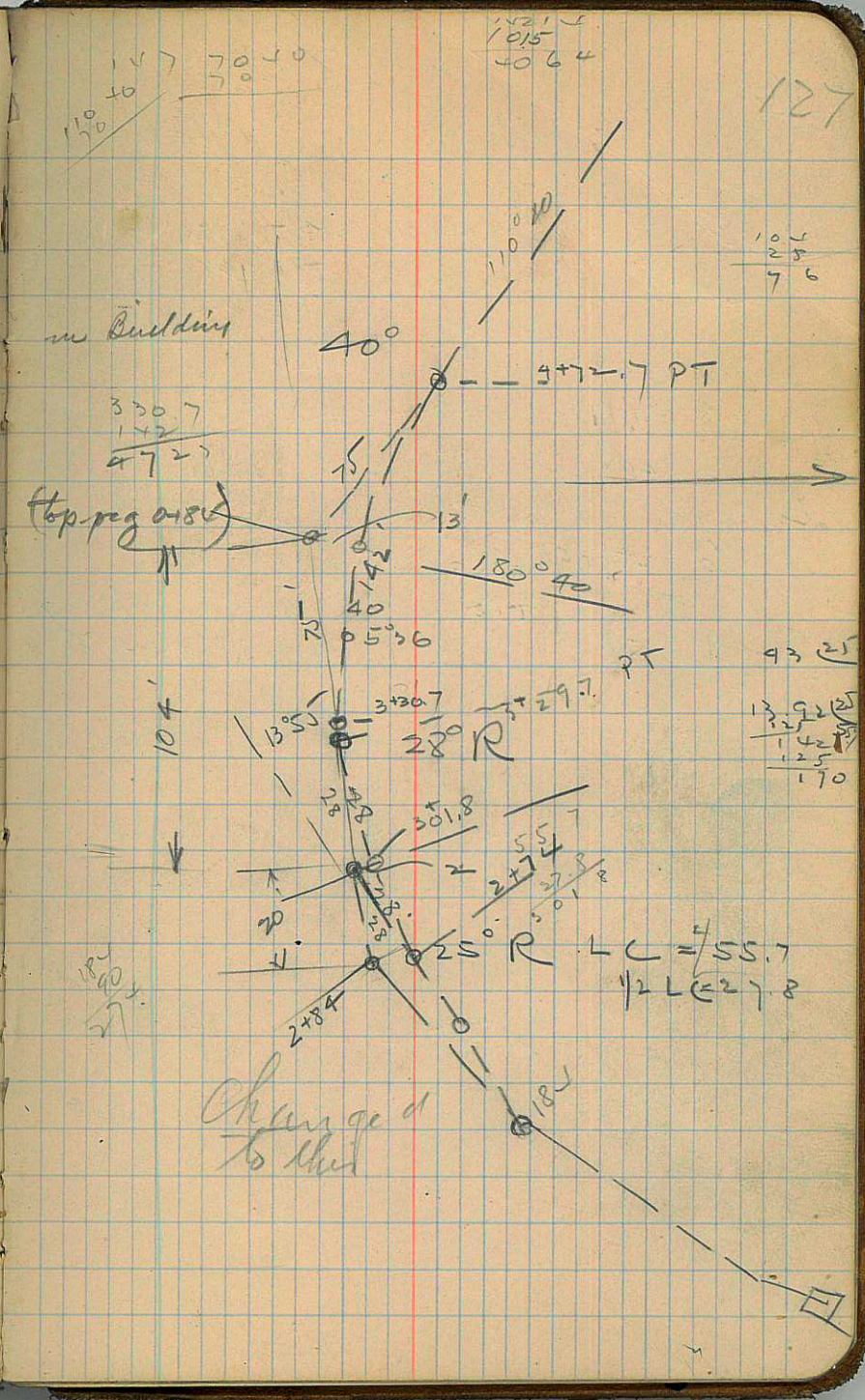
5+98.8



126

BS	FS	HI	Elev
1.76			100.5
	1.35		
10.77			
13.16	2.98		
top peg 0+84	12.36	0.03	
	8.44	0.79	
4649		0.85	
6		6.00	
40.49			

127



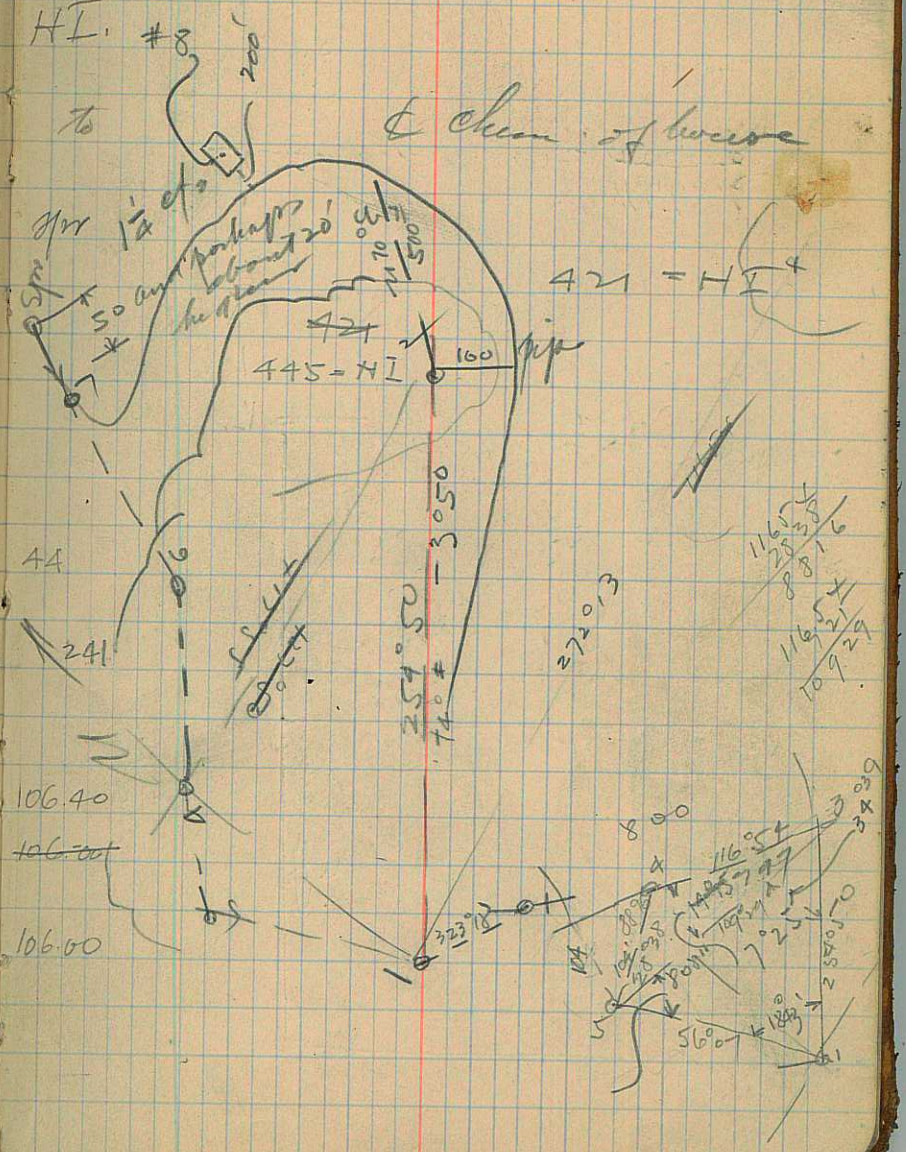
State Fish Hatchery

Survey from stake 3+04

Sept 21-1921

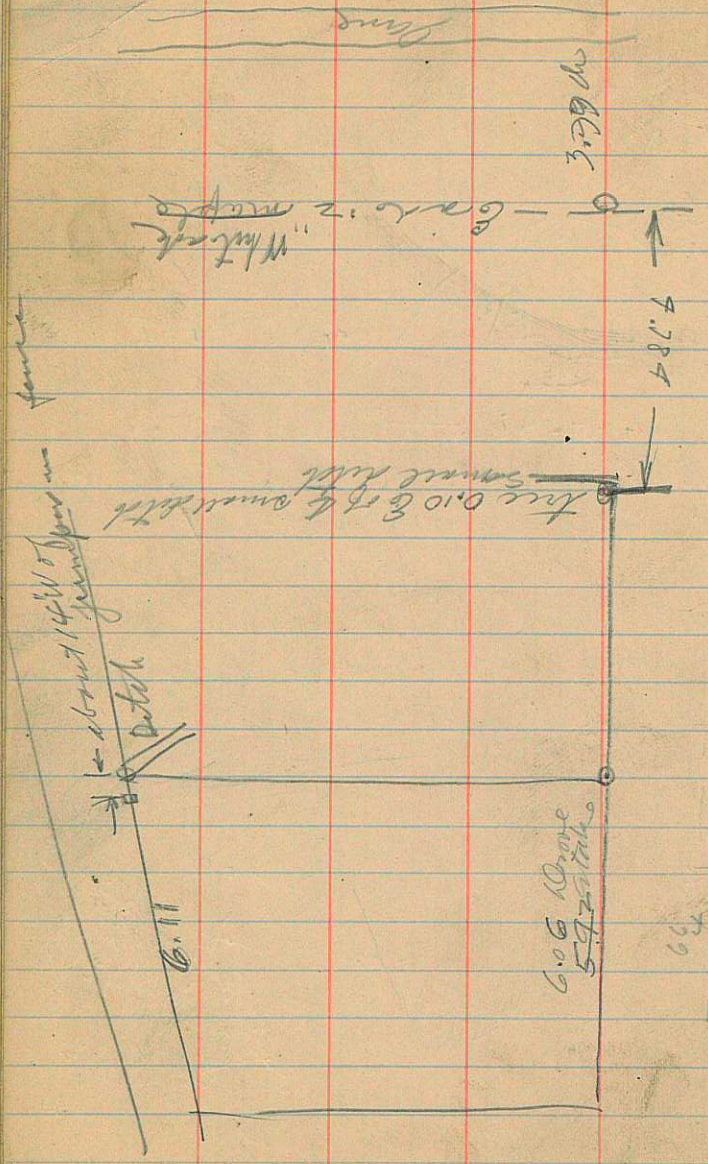
		Elev.			
		298°09			
8	297°40		−14°40	7	11.55
7	208°22		3	−11°46	7.1
6					
	6 251°09	416	7	−2°29	11.72
4		440			
	1 56°07			−12°07	
5					
	5 28°38		4	−17°	5.13
4					
	4 116°54	440	3	+14°26	11.5
3	127°50	236	4	11	+17°55
1					
	1 323°18	10137 = Elev	4.63	4.5	4.91
	E' 342°30	15.85' ± Station			

3+04



130

Price Est.



315.75 166
264 4.984
517
462
555
552
3
7.784

-6.060 (991)
5946 6.11
1140
991
1490

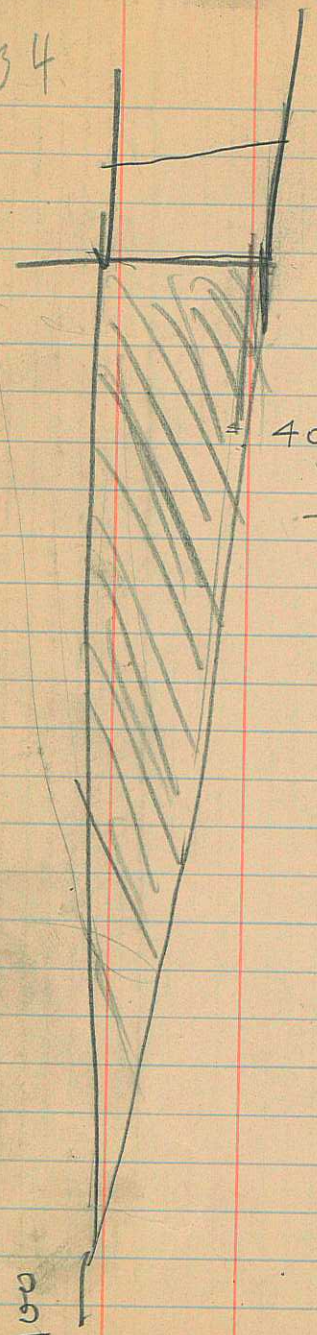
131

Klo. Vere L Price

Beg. on W bank E Fork
Little Where Wells & Hy Road
Crosses dist. on S side of
Rd. Road. W 315'-9"
5569'-6" to O.R & J RR, E to
W bank rd. E Fork Dutch,
face W bank rd dist to beg
Sec

223 phone
miss Dawson

134



368 ÷ 28 = 13 (88, 56, 84)

400 ÷ 35 = 11 (50, 150, 140, 10)

368 ÷ 28 = 13 (28, 88, 84)

2085 ÷ 35 = 59.7 (175, 335, 315, 20)

700 ÷ 25 = 28 (200)

2085 ÷ 76 = 27.4 (152, 565, 532, 330)

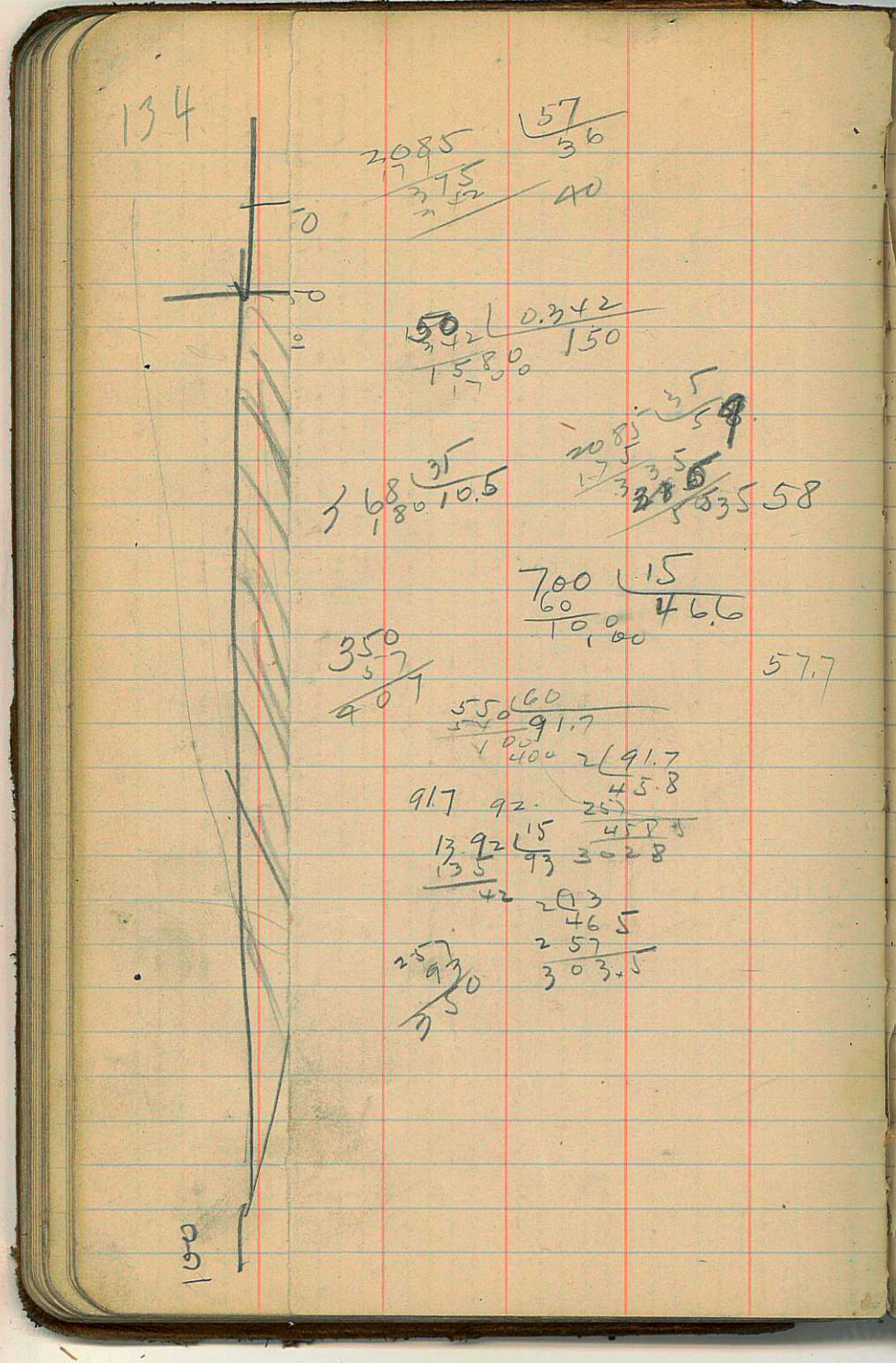
2085 ÷ 25 = 83 (200, 85)

2085 ÷ 28 = 74.4 (196, 125, 112, 130, 112, 18)

400 ÷ 28 = 14.2 (28, 120, 112, 80)

= 7.75

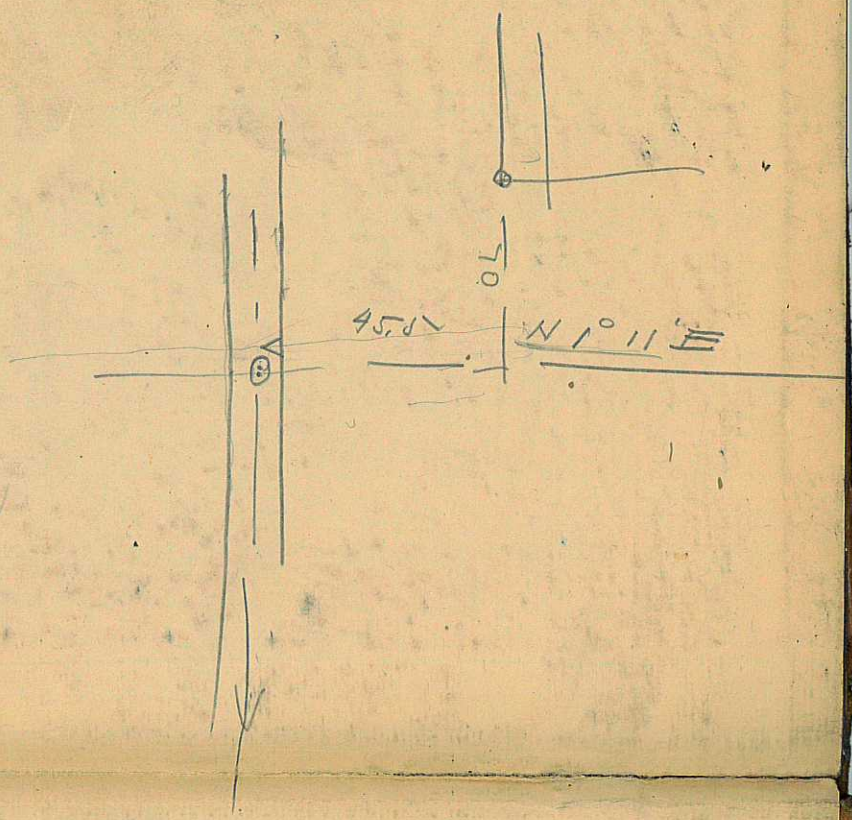
ES



ROVED TABLES

AND

INFORMATION


70
45.47
N 1° 11' E