22

1011

#22

FIELD BOOK

1308

1011

#

1011

Eugene Schaub.

Logan Utah

No Smithfield notes

(1)

5/4/18

BS FS HI

#1 7.80 ✓

5.80 above (7)
5.60

4.00 ✓

3.2 ✓

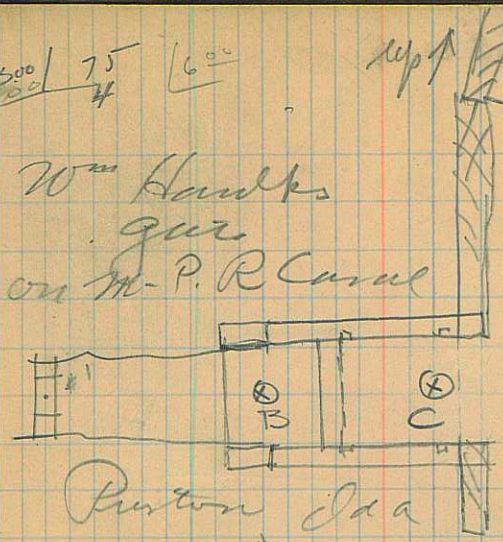
7.25

on stake 5.63 ✓
3'-8" below stk 9.3 on floor B
1-7½" 7.25 on floor C

(2)

500/500 | 75/4 | 60°

Wm Hawkes gun on M-P.R Canal



Piston Idea

Normal water ~~5.25~~ 4.00

on Top of wall

4.00
5.25 Top orifice
6.25
7.25

4.00
5.00 crest upper
5.75 lower crest
6.50

old wall

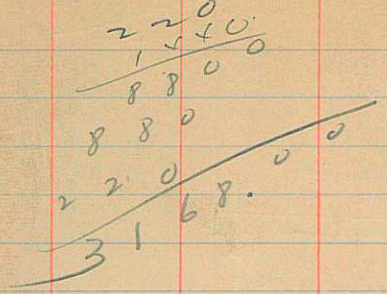
5.9 on old floor

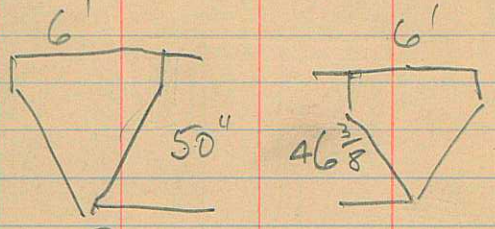
7.25
5.63
1.62

7.80
1.5
9.30
5.63
3.67

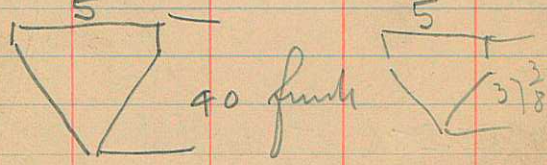
0.5.8

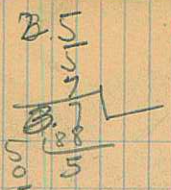
4.00
5.25
6.00

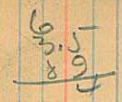

220
140
880
880
2200
2200
3168.

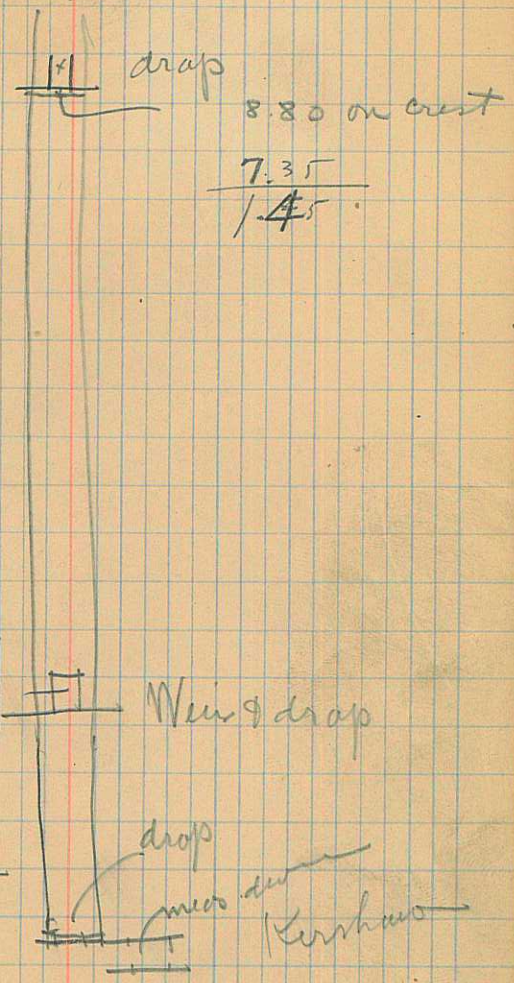

6'
50"
6'
46 3/8

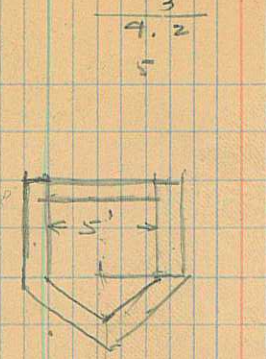
Ex. 3

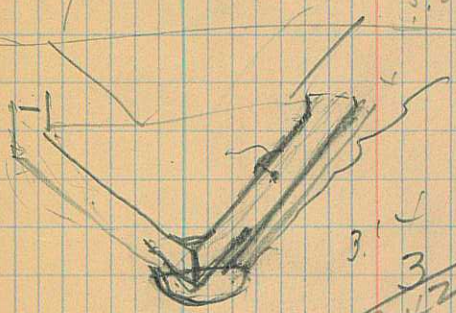

5'
40 feet
5'
3 3/8"

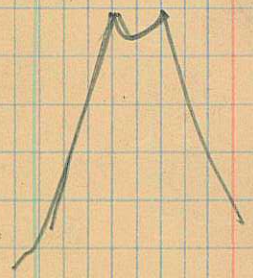

8.5
44.50


6.50


drop
8.80 on crest
7.35
1.45
Weir & drop
7.35 down stream
4.32 on crest
240 on square
drop
4.9 on weir
-0.2 on weir
down stream







(6)

	BS	FS	HI	Ele	HI
0	8.70			100.00	108.70
1					✓
2			5.10	103.60	
3					✓
4			5.80	102.90	
5					✓
6			8.00	100.70	
7					
8	1.~~30~~	8.25		100.45	101.75
9					
10			4.10	97.65	✓
11					
12			7.50	94.25	✓
13					
14			10.20	91.55	✓
15	0.80	~~9.85~~ +0.00		91.90	92.70
16	10.80	18.10	2.5	90.20	✓
17					
18			3.6	89.1	✓
19					
20			5.5	87.2	✓
21					
22			6.7	86.0	✓
23					
24			8.3	84.4	✓

{ on top 6" wood pipe
{ top pipe .1' above HI 2

Preston & Soda Water Co

run north grade of

2800 feet

13 S F 3 W Ele HI

24					
25					
26			10.25	82.45 ✓	✓
27	4.23	10.20		82.50	86.73

(10)

100.00
17.50
82.50
0 0 0

18.10
16.20
2.30
1.08
17.50

82.10
1.3
83.50
90
1.3
10.0
86.5

H Carl Madson
#1 Sec
Paxton

BS FS HI Ele

30 5.75 80.98 ✓

29

28 5.30 81.43 ✓

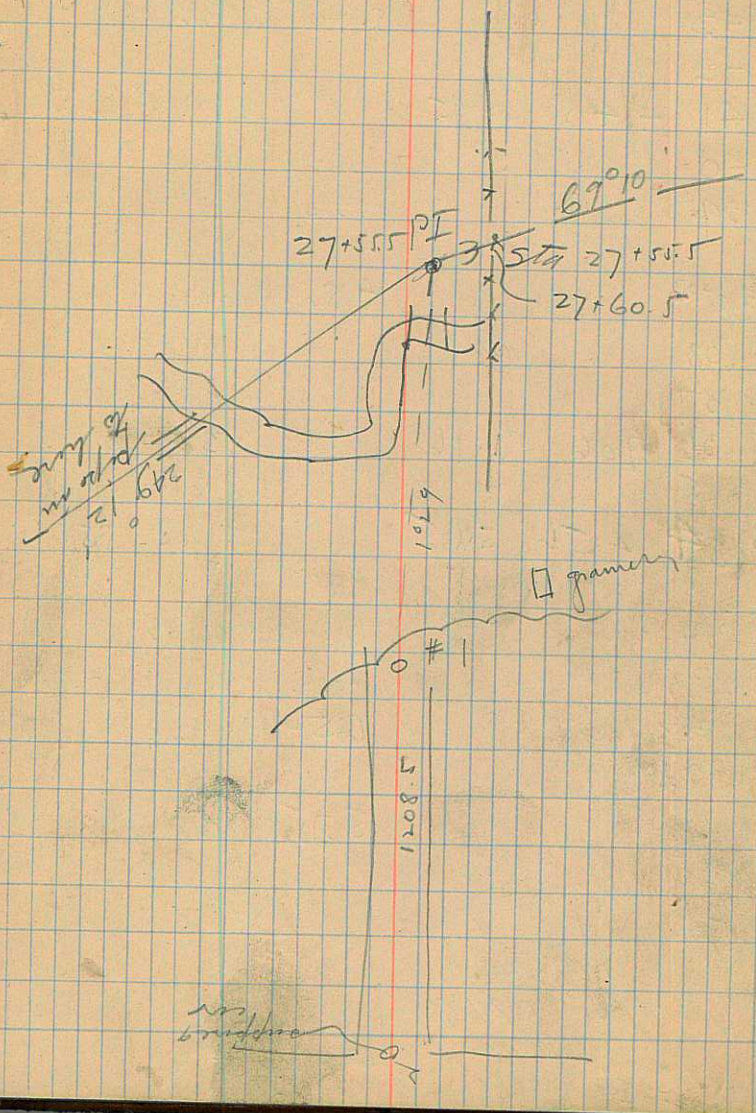
Sta 27 4 23 8250 8673

#3 1°29' 886.5 to Sta 27+55.5

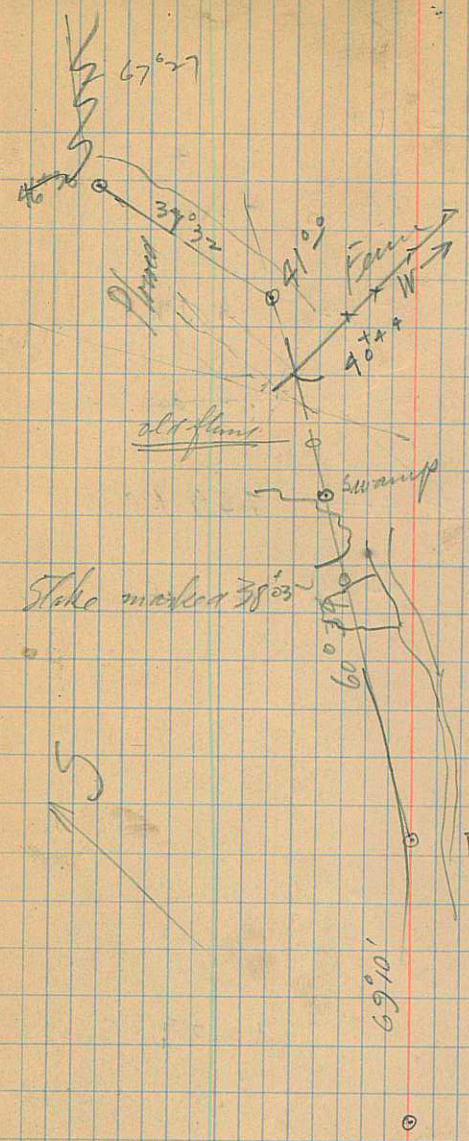
#2 180°42' ~~180~~ 1208.5

1—

level up



Sta	BS	FS	HI	
PI ~~46+30~~	~~(6.3~~	13.3	at 47)	69.09
45			12.3	70.09
44				
43			8.00	74.39
42				
△ 41	4.40	12.95		77.99 8239
40				
39			13.0	77.94 ✓
⊼ 38+03			4.80	86.1 4 ✓
38				
37				
36	7.06	1.76		83.38 90.94
35				
TP 34	4.56	5.65		81.08 85.64
34				
33			6.00	80.73 ✓
32			6.50	80.23 ✓ ✓
31				
30			5.75	80.98 86.73



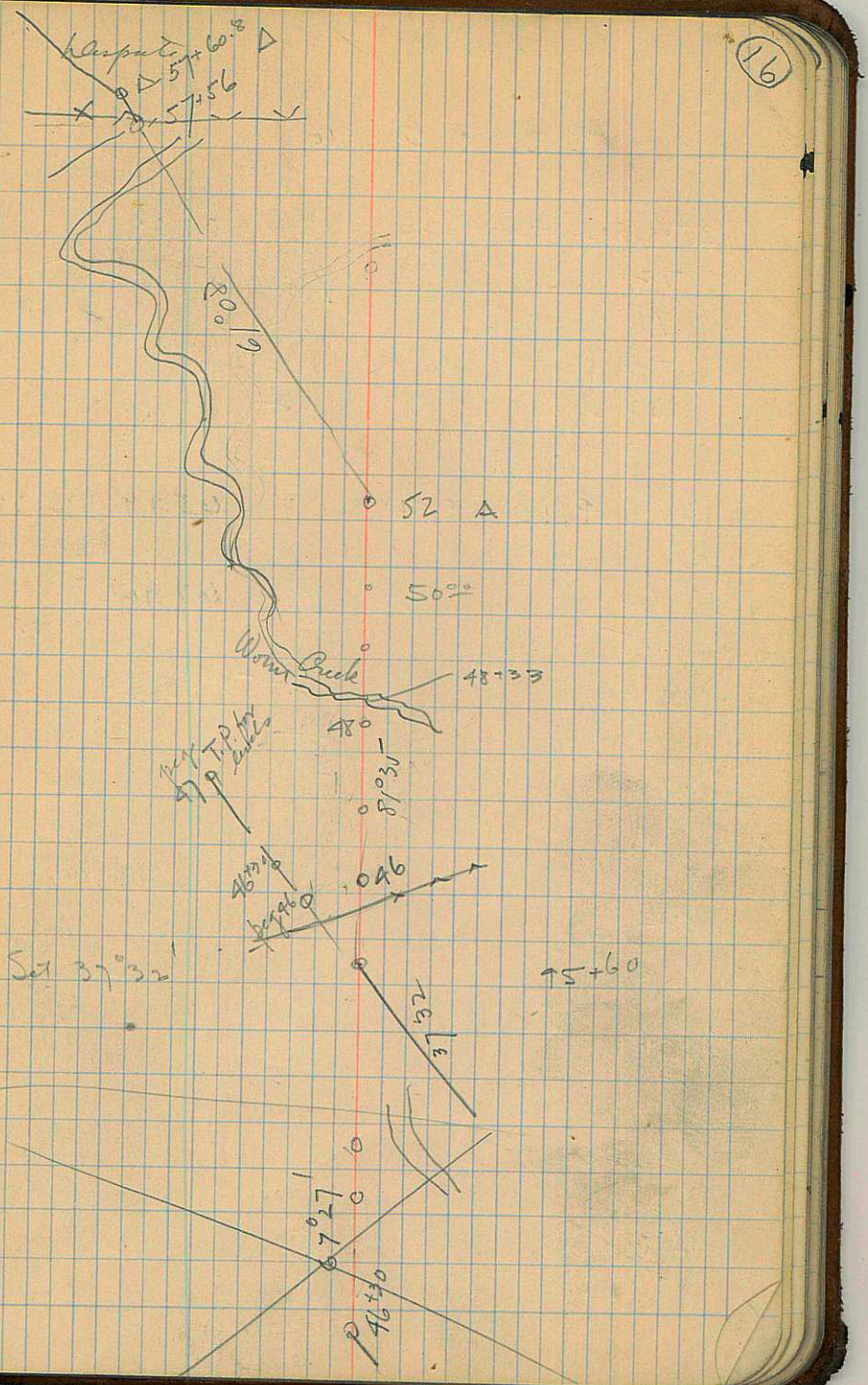
82.170
4.23
86.73
5.76
81.08
4.56
85.64
1.76
83.88
7.06
90.94

BS FS im

58		5.00	61.71	
57	3.00	7.00	63.71	66.71
56		7.–	63.51 ✓	
53				
54		6.9	63.81 ✓	
53				
52	4.77	9.2	~~10.0~~ 65.94	70.71
50		7.2 ✓	67.94 ✓	
~~50~~				
49				
48		6.80	68.34 ✓	
45+60				
47	6.05		69.09	75.14

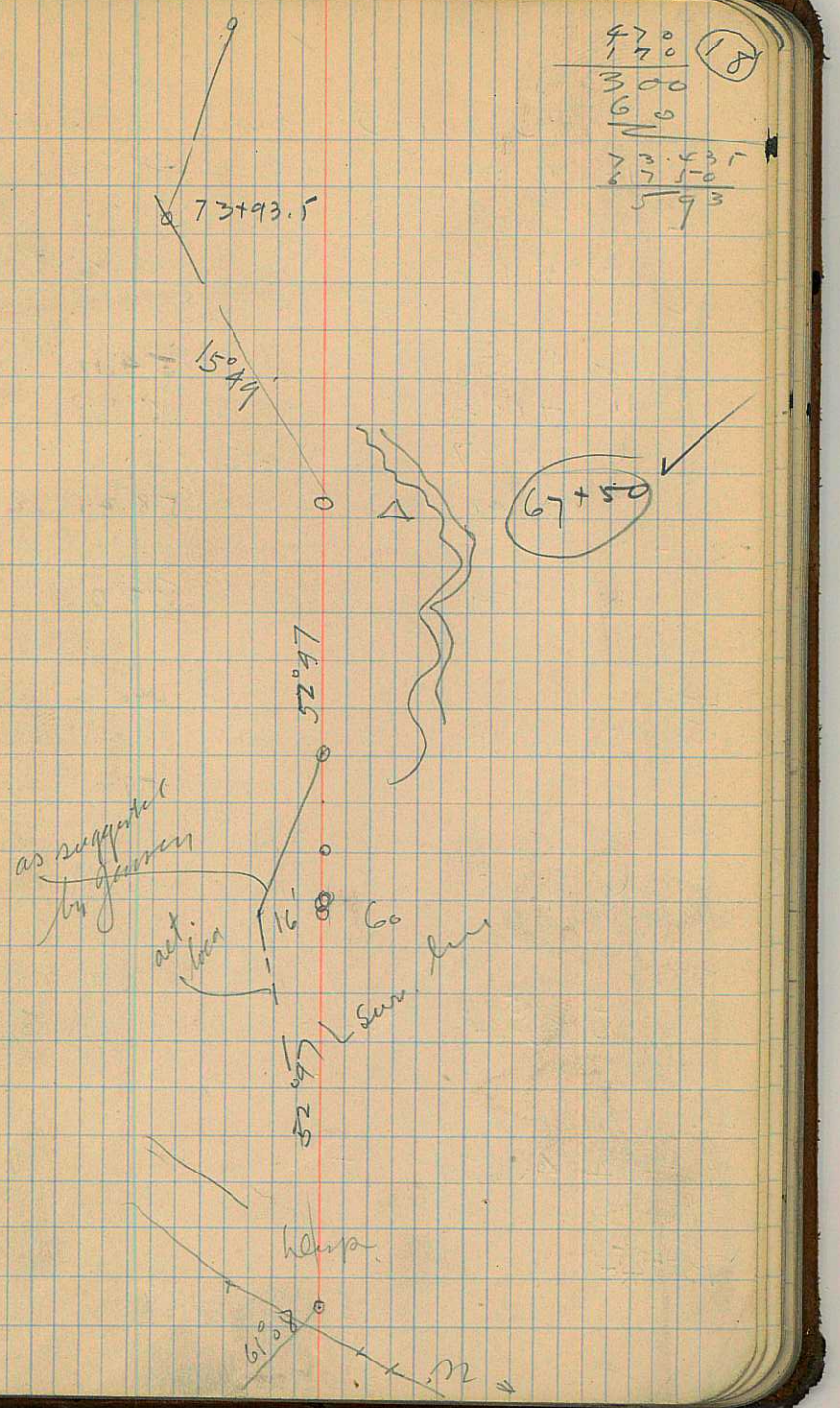
levels up

51	1.10	
50		7.30
49		8.00



16

	BS	FS	HI		
73+43.5	4.42	4.70		57.61	62.03
72			9.25	53.06	
71					
70			8.2	54.11	
69			4.5	57.8	
68			6.2	56.11	
67+50	4.10	8.50		58.21	62.31
66			9.00	57.71	
65					
64			6.75	60.~~96~~	
63			~~6.75~~		
62			7.00	59.71	
61					
60					



47.0
1.7
3.00
6.9
3.431
7.5-0
5.93

(18)

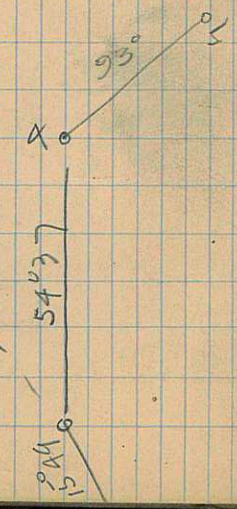
		BS	FS	m	Ele	HI	Station				
	14	92°30									
13 –											
	13	37°44'									
12 –											
	12	49°50'									
	11	49°52			36.00						
85+17	10	73°47		needle 74°30	38.56 +10						
	9	102°40			35.00						
8 –						61.36					
82+57	8	77°59'			57.06						
7 –						65.71					
81+51	7	87°30			61.21						
6 –						63.61					
79+56	6	72°08			58.96						
5											
77+20	5	~~93°00~~ 4.50'	3.32		51.41	57.91					
4 –											
~~56.75+58.3~~	4	4.65	9.95		52.08	56.73					
73+43.5											

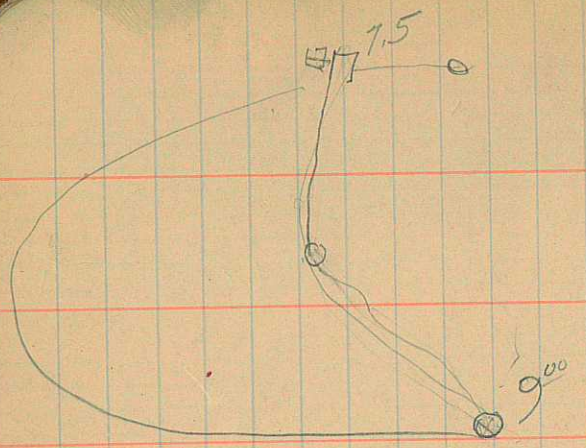
Station				
4		7.8	-1°30	see cur
4		1.8		
6		7.55	-2°	
6		11.75		
	9	12.1	-1°30	to Rm. NE wall.
	5.0	6.3	-3°56	on pipe in Room
9.1	10.0	10.9	-5°15'	to ℄ of Room
8.12	8.65		0°	
	2.4	3.37	0°	
3.00	4.2	5.35	+1°16	
	3.33	4.13		
8.88	9.95			

4.3 = HI

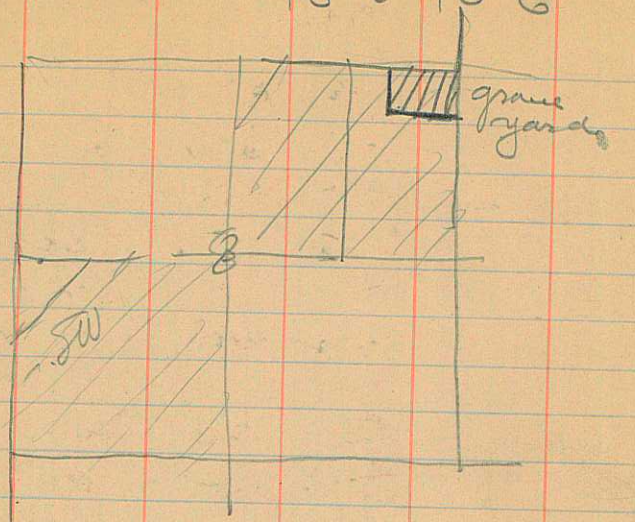
9.5 - HI

HI 9.7





65
16000
390000
65
10



(24)

Lessing & Law C.
Com NW cor of SE E 33
SW. to pt 40 of beg
N 40' to beg.
All except this
SW¼ Beg 28 E of SW cor
SW¼ E 13 rods
N 32 rods. S W to beg.

all of the NE¼ except
~~the~~ tracts sold to Church
& cemetery
to Church

Preston W. East Side
Water Limited
A W Mortensen
Sec & Treas H Carl Thielsen

	Amt	Families	Family per month $8.00
1st	13000	200	
2	1200	166	1 00
3	1700	106	2 00
4	9000	243	4 70
5	3000	153	2 50
6	3600	241	2 00
7	2500	190	1 60
8	800	68	1 50
9	1300	108	1 50
10	1000	135	1 00
	500	50	1 21 RH
	1000	65	1 90 N L.

4/9/18

Attd. to fire before next Wed.

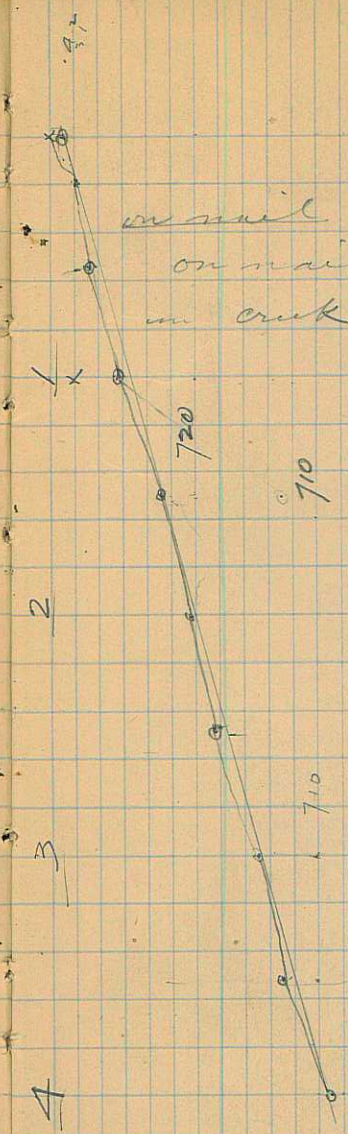
17th - at 8 pm. all conv. to Club room.

13000 1600

Hyde Park
Levels at upper
Syr. 5/13/18

Obj Jensen rock

0	135	FS	HI	Ele Grade	+4.5
	3.10			732	735.1
20			4 ✓	730 ~~8~~	
56		cut 10" more	6.45	728.7	
1		cut 10" more	8.85	726.3 ✓	
1+50		~~cut 1" more~~	11.9	723.2	
	0.18	11.27		723.83	724
2		~~cut 9" more~~	3.33	720.7	
2+50		~~cut 1 foot~~	5.70	718.3	
3		~~cut 6"~~	9.00	715	
3+50		~~cut 1.8"~~ cut	10.7	713.3	
4			15.2 ✓	708 ~~8~~	



on mail
on mail
on rock cut 10"

cut 10"

6.7"

735.1
11.27
723

735.1
8.5
726.3

735.1
11.27
723 × 8.3
18
724 0.1

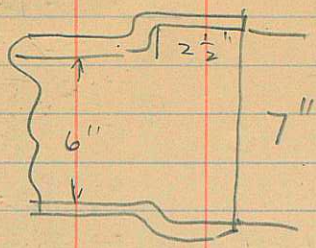
724
713.3
11.7
20
3.5 R
5.1
732

3.10
0.18
3.28

11.27
10.7
21.97
3.28
18.69

732 mark
732 orig ground

Soil pipe



5.50
.56

5.5
.56
330
27.5
3.08

728.7
727.9
0.8

726.3
725.5
.8

723.2
722.75
.45

718.3
717.25

713.3
711.7
1.6

5.5
3
16.5

731
16.5
714.5

731
3.08
727.92

731.
5.5
725.5
2.75

722.75
2.75
720.00
2.75
717.25
2.75
714.50
2.75
711.75
2.75
709.00

1.00
1.25
2.00
2.25
3.00
3.25

5/14/18

Check Levels on
flume for L-H-5 Canal
at Summit Creek

Bm H top post	B S 10.75			24.21	34.96
			7.5	28.29	
				27.46	
1+72					
1+52	11.51	3.25		31.71	43.22
		3.25		30.70 ✓	
1+20	12.01	2.28 ✓		40.62 ✓	52.95
			8.58		
1+10				44.89 ✓	
1+10				41.40 ✓	
				49.16	
1+00	12.08	4.03	4.03	48.92 m stake below	
				49.16 grade 61.00	
	11.91	2.29		58.71	10.62
75			7.07	63.00	
	12.64	3.47 ✓	7.62 ✓	49.20	
50	12.14	1.79		78.05 ✓	99.8 ± 90.19
				75.39	90.19
	12.18	4.05		85.24	97.42
20	10.12	5.31		92.11 ✓	102.23
		2.55		90.32	
		5.58			
(Bm RP	moved	2.31			
		0.18)		102.05	

on nail in post by Canal

(52)

on form of large wall

R R on top stake 1 x 1½ stake below

{℄ 3½" on top stake with nail 2 x 2 stake stake as gauge

F 6¼ from top of 2 x 3 stake to wall

but gave 3 below stake

(old F 3½" ✓ two stakes here R.R on this 1x1 stake run below

F 2½"

(old ℄ 1⅝ 5/8" ✓

7'-5/8"

(℄ 2'-7 3/4)

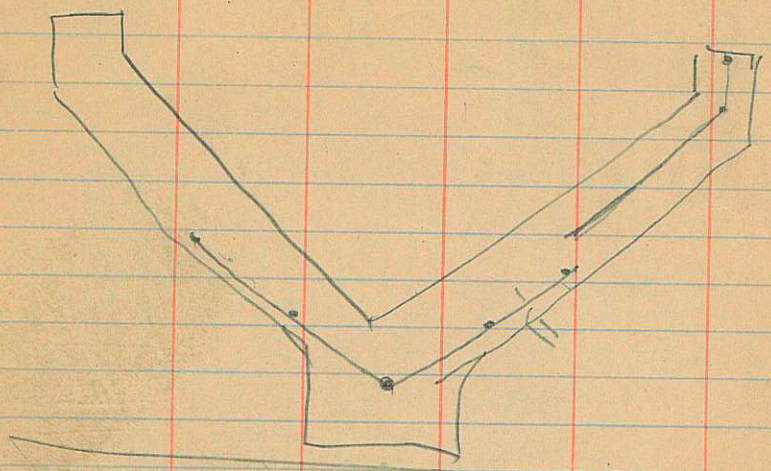
2'-3½"

(℄ 1'-9½"

but 4 up esca

lower 0 from 97.506

96.75



12000

1.8 × 3 = 5.4

233 × 6000 / 1

1258

629

1057

3144

629 lin ft

660.

660 ÷ 3 = 220

220 ÷ 10 = 22

22 ÷ 10 = 2 r 2

2 r 2 ÷ 10 = 0 r 22

22 ÷ 10 = 2 r 2

233

5.4

932

1165

1258.2

48

10064

5032

603.84

9.2 / 1.5 / 10.7

11.4 / 10.7

5/14/18

Estimate for O. Nelson

appn

Earth bor	1258 yds @ 48		603.84
	629 bor rock @ 1.05		660.05
	660 " earth		495.00
4700 - 6"		44¢	2068.00
1250 4'		29¢	362.50
Odka etc			2030
			635
			418.82
4000 - 6"		44	
1250 4'		29	2130.90
+ pitting			.76

Set.	Az	Dist	
a – ~~to~~			
7	160	11.5	
1	108°06	17.9	
2	98°45	24.8	
3	96°14	31.25	
5	77°12	37.6	
6	65°30	15.75	
8	347°45		
10	229°50		
9		25'	
11	88°37	29'	
11–			
12	343°06		

	BS	~~FS~~	
old ~~new~~ 6 on flow	9.72		
on Weir	1.47		1.47 on top.
	2.22	12.69	
on Water	2.85	11.60	

low level on wall of culvert
on pipe rail
on ~~top~~ under side of culvert

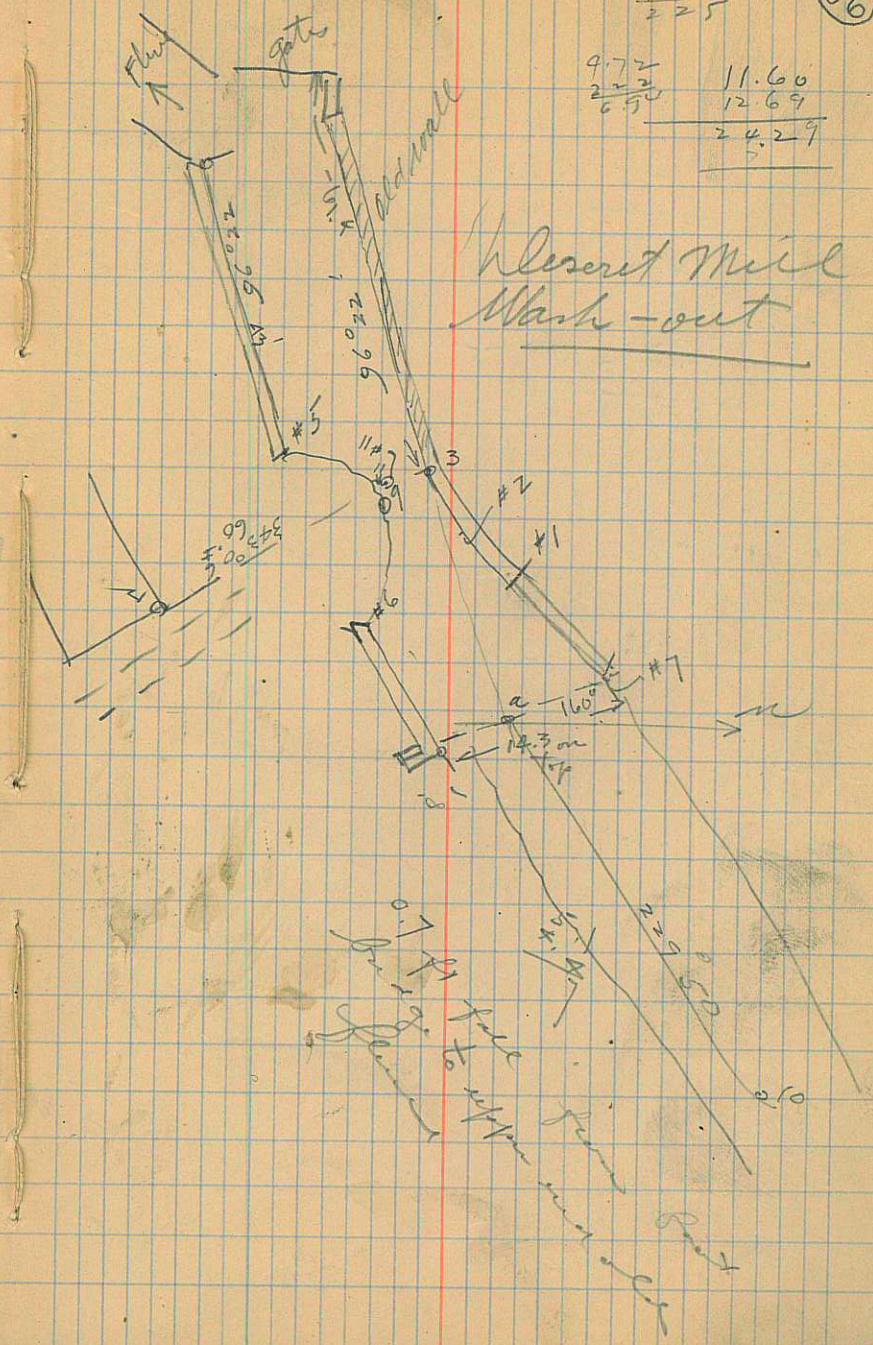
4.62
2.21
6.6 ✓

down

9.72 ✓
2.22 ✓
6.5 ✓

4.62 ✓
2.22 ✓
2.5

11.60
12.69
24.29

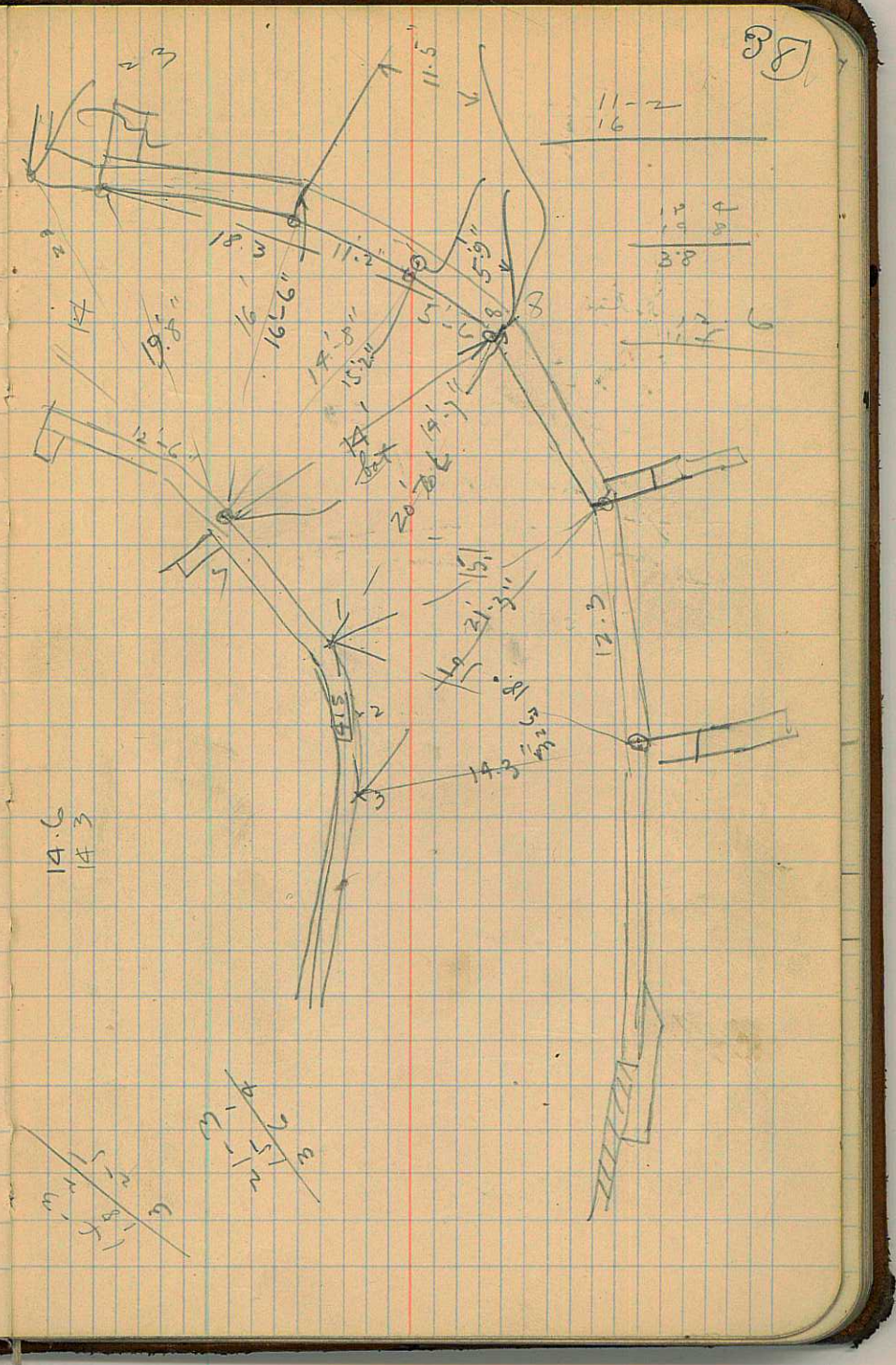


Weir Mark-out

.75
.75
375
525
.5625
12
112
56
6.72
.28
5376
1344
1.881 cut of 3/4 RT

900 (1.88
500

500' ft.



H. S Hatch

Thatcher Postum Survey

297.9 | 66 | 4.5.14

339
330
90
66
24.0
22 4

594.85 | 66 | 9.0 13
594
085
66
180

13.579
26

13.58
66
8148
8145
896.30
896.18

Boat

(a)

1<2 4h

Beg at (a) which beg of a abstract near 448W + 75.9 west on south side str
- 1.00 Tch drove stake
- 2.00 " " "
- 3.00 " " "
- 4 " " "
- 4.514 T " " " & found old stone
- 9.013 T " " " of Watson

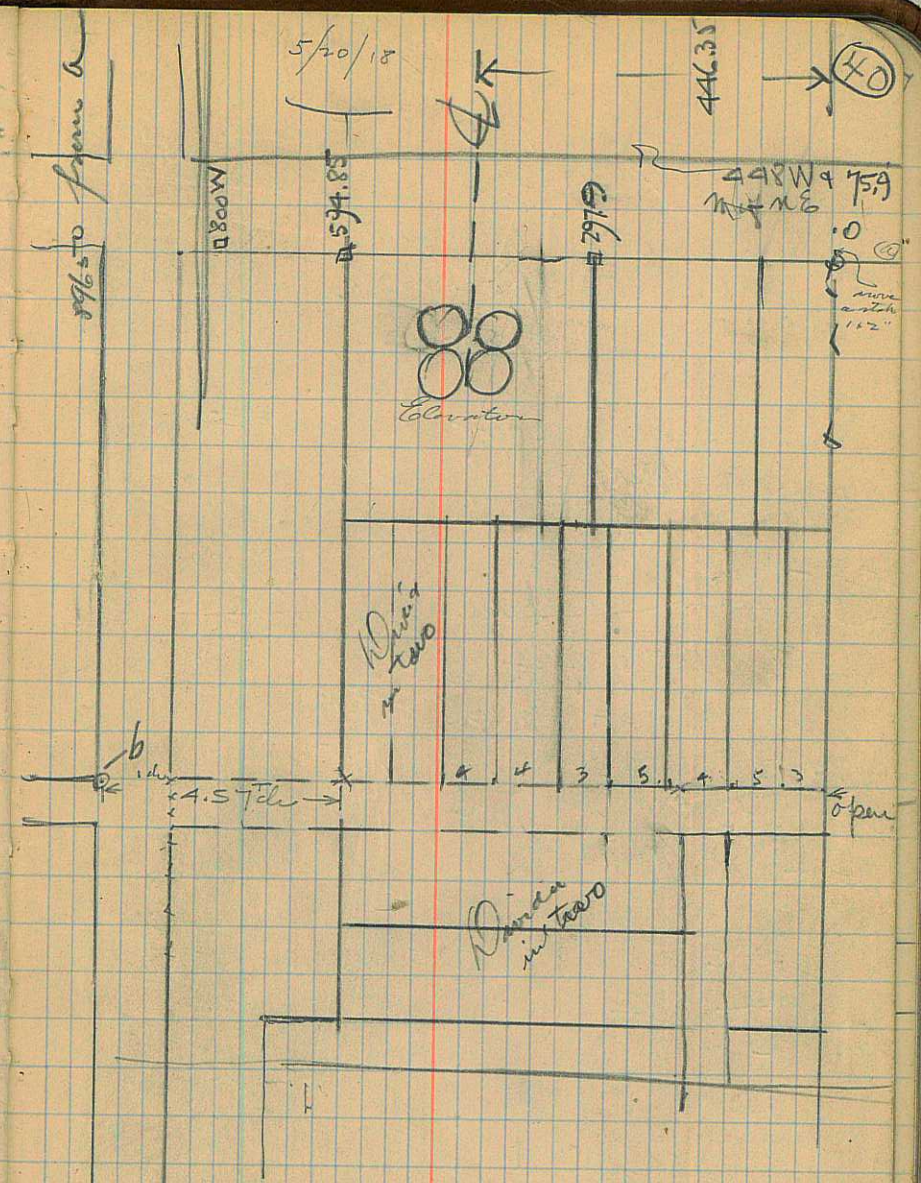
Ridge

b → E

13.580 = 896.3'
13.577 to W. side 3W

4.57 T mean mean of to-day

Beg at b; 1.00 E to E side str



	9.047	To C	
	8.00	stake	
	7.00	stake	
	6.00	stake	width
	5.00	stake	75
	4.25	stake	
	3.00	stake	
	2.955	cor of Sect F	
89°46	2.00	stake	
89°46	0.75	stake	

E –

up note

0°04	4.03	
0°04	2.015	

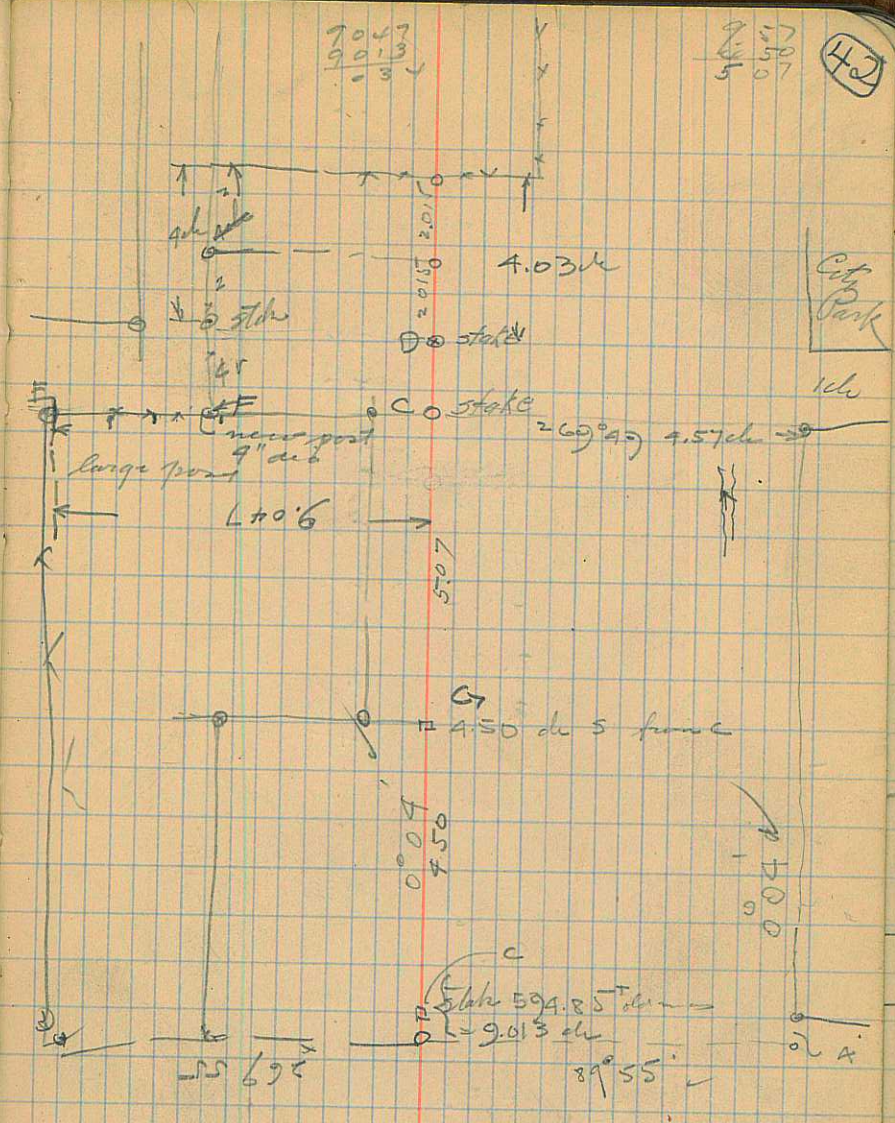
D –

~~89~~	D	0°04	1 ch

C –

	C	0°04	9.57
~~4.5~~		0°04	4.50

599.85 –



9.047
2.955
6.092

$\frac{L}{L+0.03} = \frac{L+0.03}{L56}$

9.03

stake 8.28 3r

stake 7.03 5r

stake 6.03 4r

4.78 5r

4.03 5r

3.03 4r

4r

2.03

1.03 4r

4+

G

6.28

6.03

5.03

4.78

stake

5.03

" 4.50 Vulkanmuseet

" 4.03 stake

" 3.03 stake

" 2.03 stake

269°51' 1.03 stake

G -

269°51'

0.03

0 stenen kvar vid spår

.03 stenen stake kvar

(44)

5/23/18

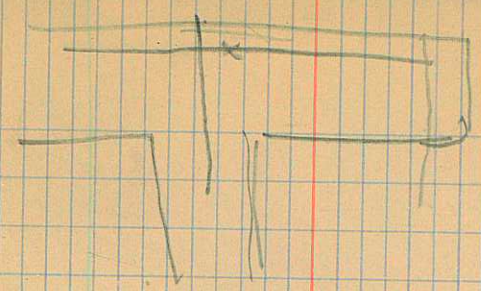
Levels at ~~Co~~ Kleeret mill
Wash

1.86

0.84

4.4

4.6



on top of wall

4.92
4.50 (46)

5.92
4.25
1.67

4.92
5.92

5.00 5
1.97
3,03

5.00
5
4.50
4.40

grade upper end

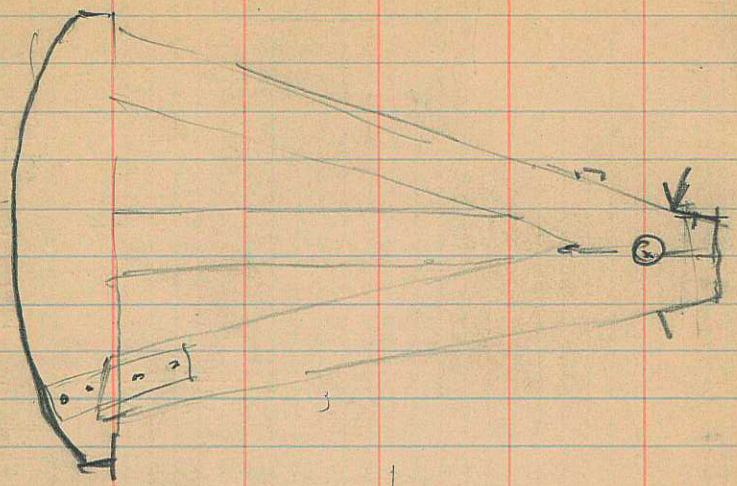
upper end

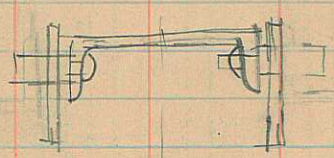
4.6
5
4.1

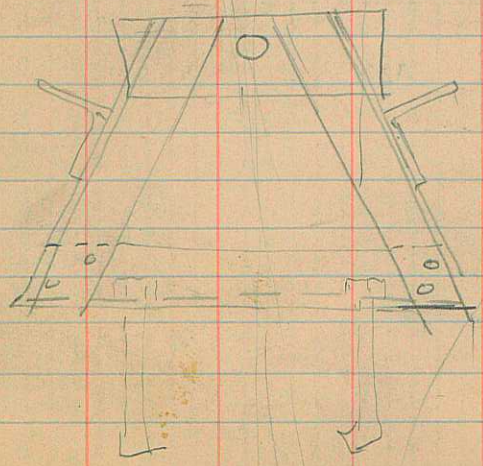
4.9
5
4.4

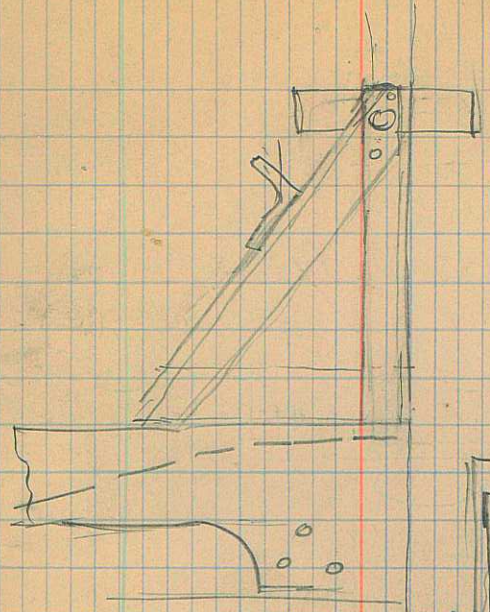
4.18 150 +/P
74 20
36 P
100
75
435

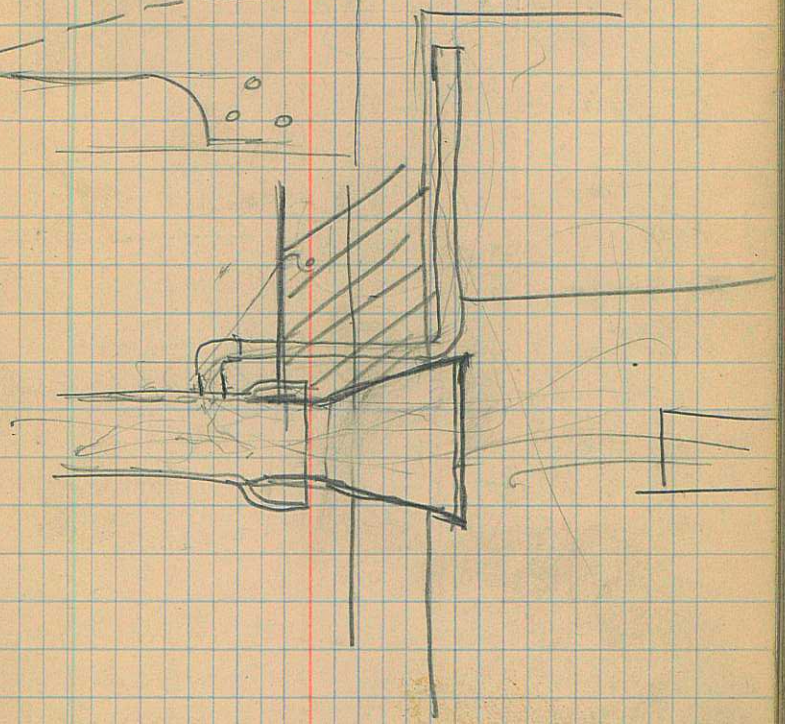
360
75
285

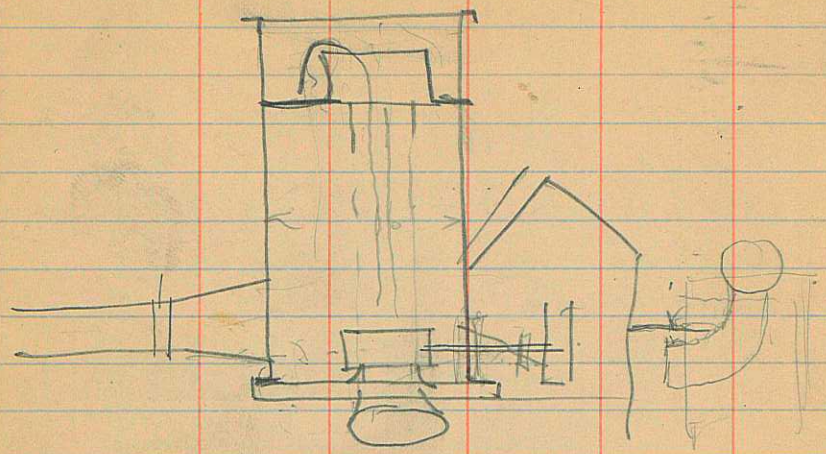


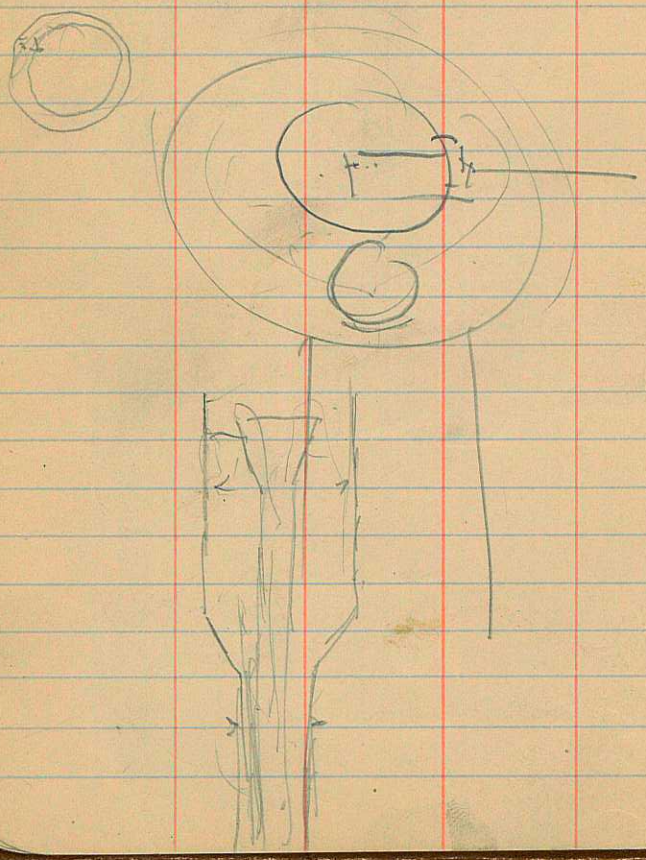












Levels for W. H. Allen
Notch. South of his house

	BS	FS	HI	Elev
	5.82			
2		4.60		
2	4.85			104.85
3		4.40		
4		5.30		
5		6.00		
6		9.00		100.85
7		4.25		
8		5.40		
4	4.85		99.45	104.30
2		4.30	100.00	
9		4.60	99.70	
10	4.44	4.40	99.90	104.34
	4.85	4.89	99.45	104.30
	14.14			
11		4.52	99.78	
		3.40	100.90	
	5.00			105.900

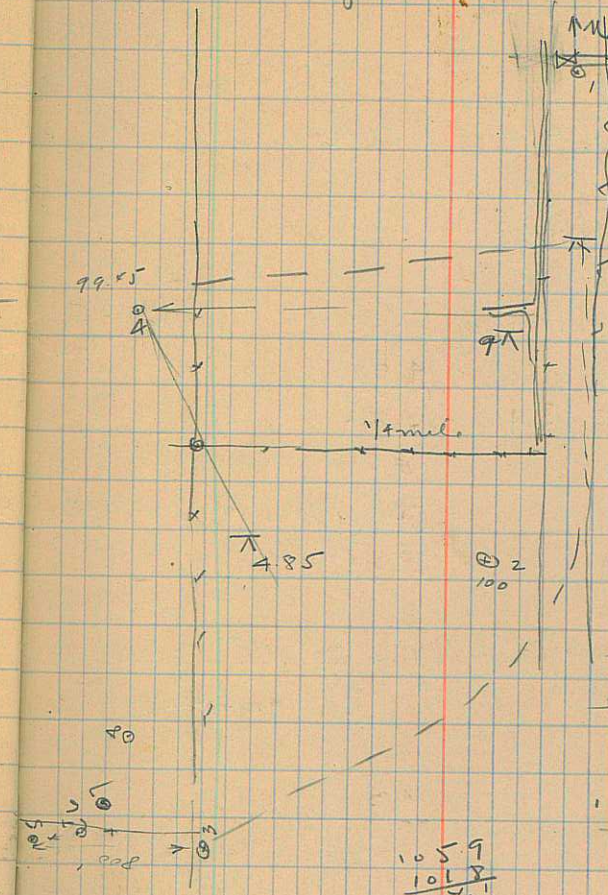
5/28/18

101.00

100.6

(54)

on bank of Notch about 1/4 mile South



104.30
4.85
99.45

104.85
5.30
99.55

14.14
13.96
0.18
99.51
99.13

99.90
4.44
104.34
4.89
99.45
4.85
104.30
5.17
99.13

104.30
3.40
100.90

105.9
101.8
4.1

100.5
99.8
1.7

101.5
99.8
1.7

	BS	FS	Elev	HI	RR Rec grade adjusted
also 11					
0	4.94		99.78	104.72	3.72
5 +50					3.83
9 +00					3.90
12 +00					3.96
12 cut					
spec	4.86	4.26	100.46	105.32	
12					4.56
15					4.62
18					4.68
21					4.74
24					4.80
Tpmkpt	4.50	5.10	100.02 avg elev	104.72	4.700
27			100.22		4.76
30					4.82
33			100.02		4.88
36				✓	4.94
on Bug Tp 36	4.90	3.74	100.98	105.88	6.10
39					6.16
42					6.22
30	4.40		100.02	104.42	
hub ✓		4.45			

RR or ground	Cut or Fill
5	F 1'-3"
5.7	F 1'-10"
5.2	F 1'-3"
	F 0.30
5.4	F 10"
5.4	F 9"
5.6	F 11"
5.8	F 12"
	C 12
4.75	gr
4.70	C 1"
4.50	C 4"
4.50	C 5"
	C 1'2
5.4	C 9"
4.7	C 1'-6"

H.I. 104.72
Gr. 101.50
Cover Gr. = 100.50

5 / 3.8 / 1'2

4.86 / 3

99.78 on hub

0 → 5 same as 11

slope .02 0/0

101.

100.45 / 5'

101.00 / 5'

101.5

99.78 / 4.94 / 104.72

5.7 / 3.4 / 1.8

176 / 3 / 5 28 / 30

5.5 / 2 / 110

3 1/2 / 100.5 / 72 / 99.1 4

5.2 / 4.26 / 3.96 / 30

3.72 / 3.90

5.4 / 9.8

5.6 / 5.7 / 9

105.32 / 4.26 / 100.46 / 10 5.32

104.72 / 104.72 / 100.02

2 1/2 / 0.4 8

100.5 / 48 / 100.02

4.94 / 3.74 / 1.20 / 6.1 6

104.72 / 3.74 / 100.98 / 4.6 / 105.88

6.72 / 4.7 / 1.52

100.50 / 90.9

104.72 / 100.5 / 4.22

104.72 / 4.44 / 1.82

104.72 / 4.74 / 5.5

99.78 / Bro. 16 / 99.18

shoulder 5.30 / 5.30

105.32 / 100.22 / 104.72

104.72 / 104.72 / 100.02

104.72 / 104.72 / 4.83

99.78 grade

shoulder elev 100

54

			RR on grade or Um	RR ground	Cor F
	B5	F5			
	5.15		5.150		
3			5.216	4.90	C4"
6			5.27	5.10	C2"
9			5.336	5.40	F1"
12			5.396	5.60	F3"
15			5.456	5.50	Gr.
18			5.51	5.80	F4"
18 ~~24~~	5.02	5.70			F.19
18			4.8306		
21			4.896	4.75	C"
24			4.956	5.0	Grade
27			5.01	4.8	C3"
30			5.076	4.4	C8"
33			5.136	4.6	C6"
36			5.196	4.9	C4"
37+50			5.223	5.3	
39			5.256	5.5	
42			5.316	5.3	
42	3.86	5.30	5.31		C.01
42			3.87		
43+50			3.90	4.50	F8"
45			3.93	6.70	F2.9"
46+50			3.96	4.3	F4"
48			4.00	4.2	F2"
~~49+50~~			4.03	4.4	F4
51			4.06	4.6	F6"
			4.092	4.7	

Rob. Gedde ⊥ notch

Ele one foot of note on grade

98.14 103.29

note HI 105.15 is 0.30 below summit of HH Allen

HH Allen

103.29 − 5.76 = 97.53 − 5.02 = 92.51 − 97.74 = 101.17 − 97.26 = 3.93

103.29 − 5.15 = 98.14

5.70 − 1.19 = 4.83

5.07 − 4.83 = .87

97.59 102.61

102.61 − 5.54 = 97.31 − 3.86 = 101.17

98.15 − 36 = 97.78

102.61 − 97.78 = 4.83

Power ↓ W to Cranberry

5.07 − 4.67

5.1 − 5.06

5.27 − 5.19

4.69 − 4.06

21

97.31 101.17

6.70 − 4.50

HI 101.17 Corner on top yellow head N E cor of porch of RC Geddes

yellow

56

	BS	FS	RRm grade	RRm ground	C or F
46+50			3.96		
48+00			4.00	4.7	
51			4.06	5.2	
52+10			4.09	5.7	

Continuation of Levels taken on

D	3.54				
178+64			5.130		
180			5.160	3.9	C 13"
183			5.226	4.1	C 1'-1"
186			5.28	4.2	C 1'
189			5.34	4.5	C 10"
192			5.40	4.4	C 1'
192	4.95	4.40			C 1'
192			5.95		
195			6.01	5.3	C 9"
198			6.07	5.1	C 1'
201			6.13	5.1	C 1'
201					
	4.65	5.25			088
201			5.53	4.6	C 1'
204			5.58	4.7	C 11"
207			5.64	4.7	C 1'

Ele | H

178.6 / 2 = 89.3 ; 89.3 + 5.72 = 99.95 ; 99.95 − 3.57 = 96.38

98.14 ; 97 ; 96 ; 4.95 ; 5.09

5.72 ; 4 ; 1.1

97.96 ; 101.50

97.96 − 3.54 = 94.42 ; 101.50 − 3.54 = 97.96

101.50 − 96.37 = 5.13

96.37 ✓

grade Elevation

BM a nail 1' below top of split pine post 2 R.R. marked BM on blue metal spike 6' below

97.10 ; 102.05

102.05 − 5.25 = 96.80 ; 96.80 − 4.65 = 92.15

6.13 − 5.25 = 0.88 ; 0.88 − 4.65 = −3.77

96.80 ; 101.45

5.68 − 4.9 = 0.78

(58)

	BS	FS	RR on grade or CM	RR on ground	Cv F
207			5.64	4.7	C 1'
△ 210			5.70	4.7	C 1'
	4.12	5.270			
210			4.55		
△ 213			4.61	3.5	C 1'-2"
216			4.67	4.50	C 2"
219			4.73	4.3	C 6"
222			4.79	3.8	C 1'
△ 225			4.85	3.8	C 1'
△ TP 225 on pvmt	4.30	3.84			C 1.01
225			5.310		
228			5.37	4.30	C 1'1"
231			5.43	4.80	C 7"
231+36			5.43	4.1	C 1'2"
234			5.49	4.4	C 1'1"
237	4.07	4.30	5.55		C 1.25
237			5.32		
237	4.58		5.83		
240			5.89	4.60	C 1'-3"
243			5.95	4.90	C 1'-1"
246			6.01	5.00	C 1'
249			6.07	5.60	C 6"
~~252~~ 252+40				6.1	grade
252+40			6.13	5.4	
252+40 108	4.74	5.45			Co.68

Ele	H	Proving cut nF
96.18	100.3	0.43 'C
96.46	100.76	
96.46		
96.46	101.04	Splice H 5 C (101.04) is .06 below H/C as determined
95.03 apr		

(60)

Jensen

on S. [illegible]

~~252+48~~

253+48

256+48

5.42

5.44 4.6 C10"

5.47 5.2 C4'

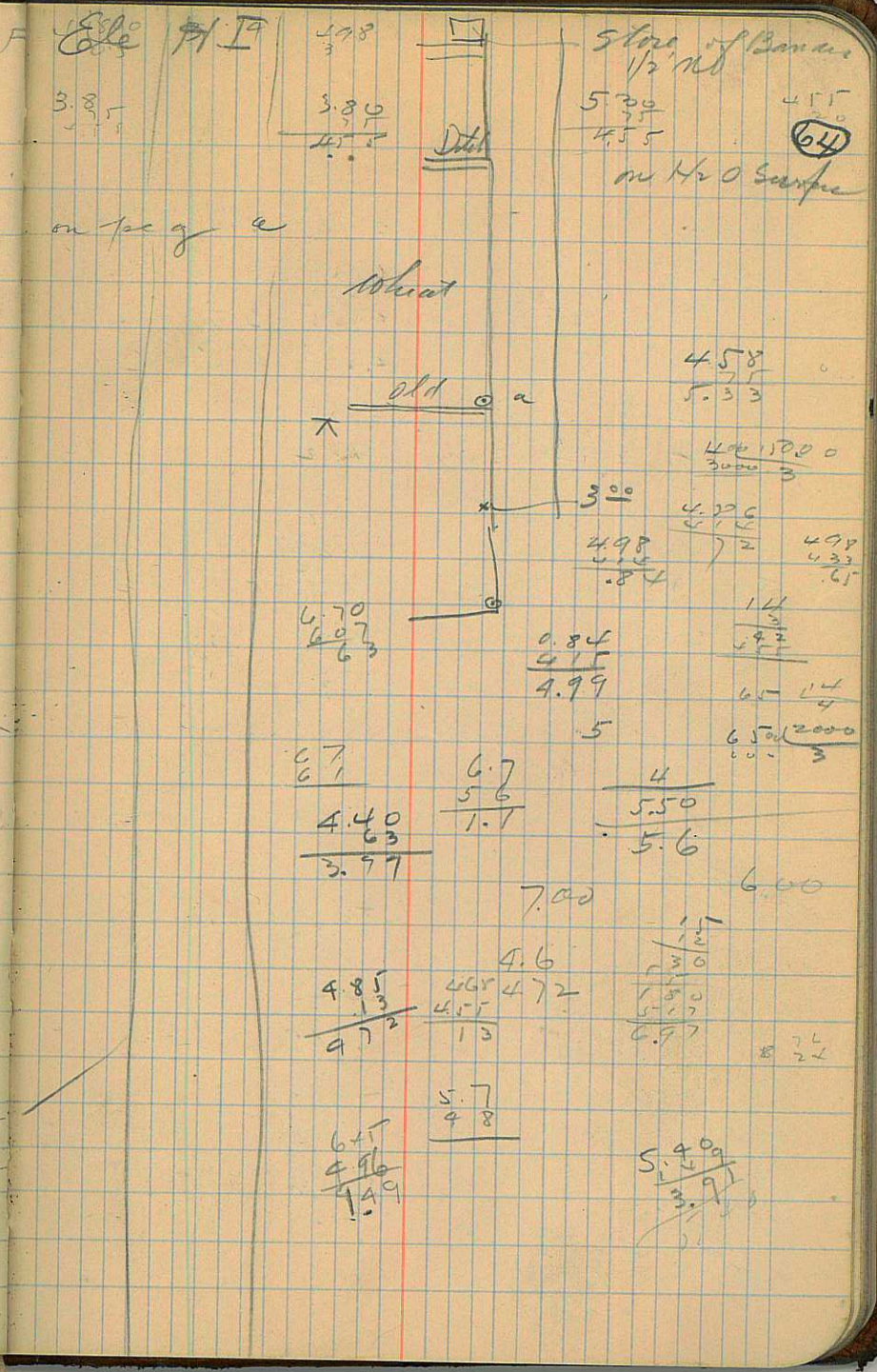
5 6
3.9
7

7
5 6
1.4
6

2 5 2
4 7 2
9 9 4 5
4 4 2
9 5.03

101.0 V
9 1 . 3
6.01
6.13
5 V 5
0.68
7 C
3
5 0 3

	BS	FS	RRm grade driveway	RRm ground	C or F
	3.58				
0			4.55	3.92	
3			4.70	4.1	C 8"
			4.80	3.7	C 1"
6			4.80	4.5	C 4"
9			4.80	4.7	C 2"
12	4.15	4.14	4.98		C .84
12			4.99		
15			5.08	4.5	C 7"
18			5.17	5.00	C 2"
21			5.47	5.7	F 2"
24			5.77	5.7	Grade
27	4.40	6.70	6.07	6.7	F .63
27			3.77		
30			4.07	4.2	GN
33			4.37	4.7	F 4"
36			4.43	4.3	C 2"
39			4.49	4.3	C 3"
42	4.85	4.68	4.55		F 0.13
42			9.72		
45			4.78	5.00	F 2"
48			4.84	5.70	F 11"
51			4.90	4.0	C 1"
54	5.40	6.45	4.96		F 1.49
54			3.91		



13 > F5

54			3.91		
57			3.97	5.1	F1'
60			4.03	4.1	9 gr.
63			4.09	3.2	C10"
66			4.15	3.6	C7"
69			4.21	3.4	C10"
72			4.33	3x6	C9"
75	2.44	3.70	4.42		C.72
75			3.16		
78			3.25	2.50	C9"
79 +10			3.25	2.70	C7"
81 +00			3.28	2.70	C7"
82 +50			3.31	2.5	C10"
		on hub 3.02	3.36	3.00	C4"
				5.1	F1-10"

4.09
3.2

4.1
3.64

4.20
3.77

5.33

3.2
3.3
3.7

4.42
3.7
0.72

2.44
3.72
3.16

3.25
2.5

5.1
3.3
F.8

3 over high diff-mann pt

Bancroft Notes
may 30 - 1918

BS	FS	HI	Elev	HI
2.21			104.17	106.38
8.85	5.95		100.43	109.28
1.50	0.74		108.54	110.04
6.05	7.70		102.34	108.39
		1.98	106.38	
4.37	5.48		102.91	107.28
4.70	5.52		101.76	106.46
		.55	105.91	
27.68	25.94			
25.94				
1.74				

104.17 + 2.21 = 106.38 − 1.91 = 104.47

104.17 + 1.74 = 105.91

106.46 − 105.91 = 0.55

~~4.6 − 0.59 = 6.75~~

6.62
2.50
6.70

H H allen, Roc (68)

Check levels from BM on Post 50 E of Sta 78+40 drive a 10d nail on this notch.

old Elev	104.17	
	2.21	
	106.38	
100.55 old Elev	5.95	
	100.43	
	8.85	
	109.28	
	1.74	
	108.54	
	1.50	
	110.04	108.39
	7.70	1.98
	102.34	106.38
	6.05	
on bottom flange between 3 & 4 post N of Burnes Rd	108.39	
	5.48	
	102.91	
	4.37	
	107.28	
on RR culvert	5.52	
on Concrete Wall	101.76	
	4.70	106.46
on wall of Northern	106.46	105.91
on Culvert flow	4.6	106.26
	6.85	105.91
	5.10	0.35
	6.75	
flow of new work to		

on 4 x 4 on their canal open
on buttress

5/31/18 Align. of end flume L-H D & S Canal

35 Flume

3.87 102.05 105.92

9.67 9.625
9.67 95.75

17.5 { 9.64 / 10.00

34.5 9.61 / 10.00

77 9.52 / 9.85 / 5.31

97 97.75

105.92 / 96.25 / 9.67

105.92 / 95.75 / 10.17

102.73 / 1.18 / 103.05 / 3.87 / 105.92

97.50 / 77 / 9.

(70)

R R on mail

on conc. on arch. 168.8

2 / 2006120 / 800 16 / .0016

920 on arch 9.64 / .33 / 9.97

42 / 9.64 / 860 / 9.20 / 0.44

0 47.0

.016 / .02 / .032 / .0772

34.5 / 843 / 118.8

42.5 / 345 / 20° / 17.6 / 0

9.47 / .33 / 9.80 / .334 / 9.466

.0016 / .17 / .1112 / .16 / .0272

C 4'-5½" { on hub on west bank upper on #1

7.41

Motor Reading at B. B. I. & Co. plant

28830

54" 20 rev gate about 1/2 open

54÷2 20

5 / 28 gate closed

Motor air 118
Room air 99

20/54 .2

200 .15 V
162 .37
380
338
42

0.37

.37/1 = V/15

37
105
55
5.55

5.0 28
0.2

Depth of water in box when photo was taken 15'

(72)

6/11/18

Watsons Mouse

Welch levels at his house

grade from curb

1	2.28		
	2.28		
3	1.80		
4	1.55		
5	2.1		
6	1.~~45~~		
7	1.90	2.5	
8	1.80	2.50	2
1-		2.50	2.00
			1.3 1.2
3		2.56	2 C 7"
4		2.58	1.4 1.-2"
5		2.60	1.9
6		2.62	2.1
7		2.64	2.1

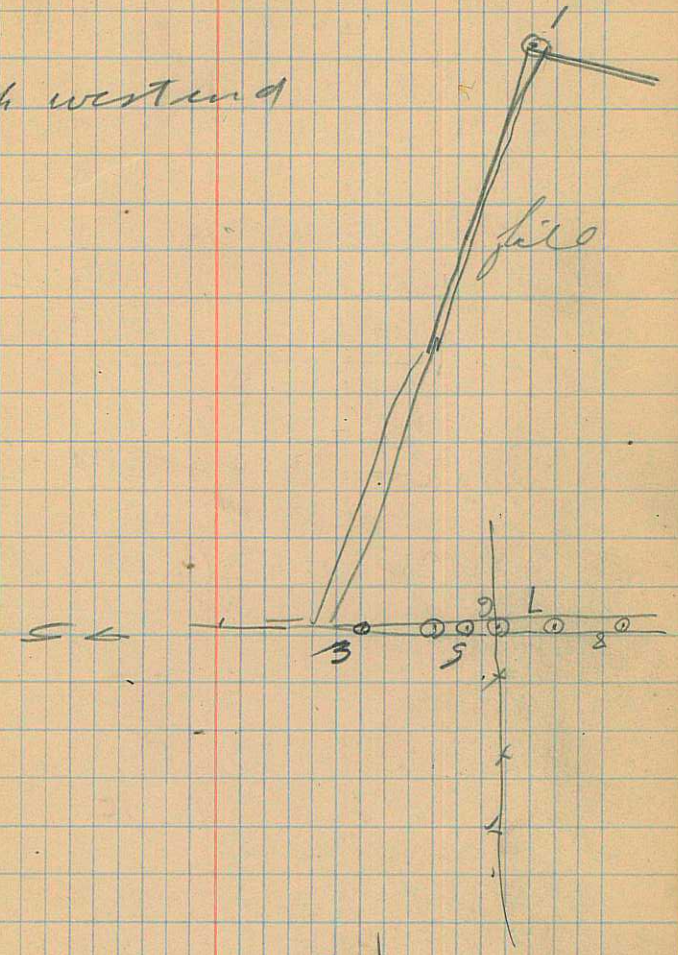
(74)

1

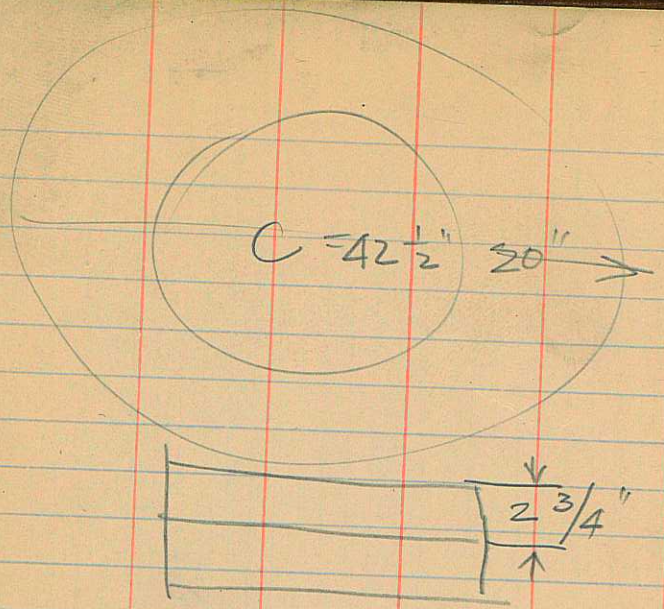
m Welch westend

Eend -

field



3



Coupler at B/B I

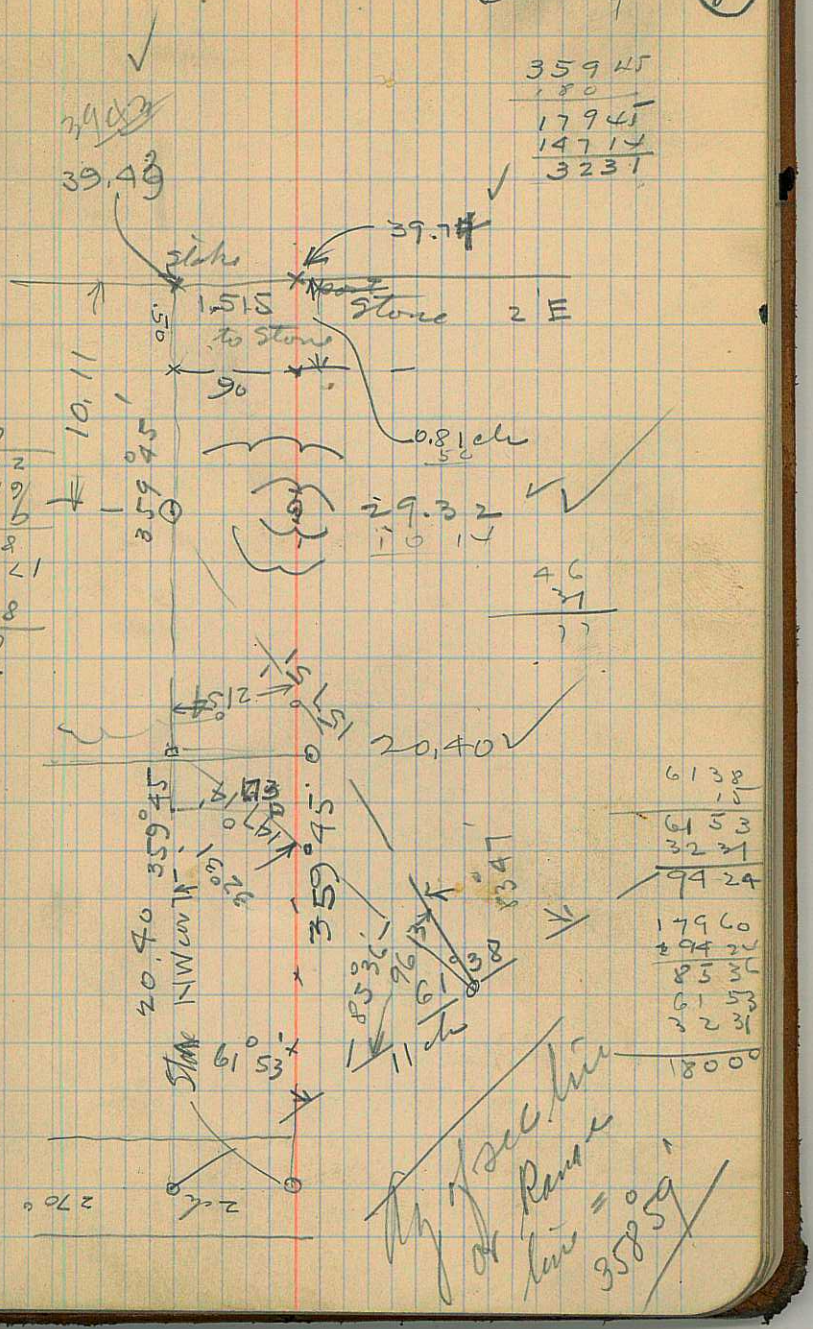
Make 26" in dia

196

196
320
196
124

Bill Kramer
window
Survey

78





3977
20

27
1.47
1.64

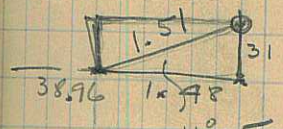


.53 / 39.77 = x / 20

1977
1977
.53
5931
9885
10.4.781
7954
2524
2682

3977
26
147
1.73

81
50
31



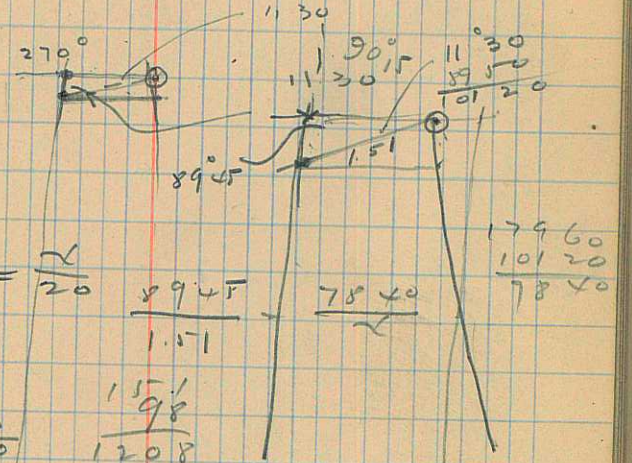
3946
10
38.96

1.51
.31 / 302 / .205
800
755
151
.98
1208
1359
1.4798

38.96 / 1.48 = 20 / x

200
148
52

200
1.47
.53



.53 / 39.77 = x / 20

89.45
1.51

78.40

14 53 / 20 / .10.60
10600 / 39.77 / 7954 / .27 / 26468 / 27839

151
98
1208
1359
1.4798

147
27

17960
10120
7840

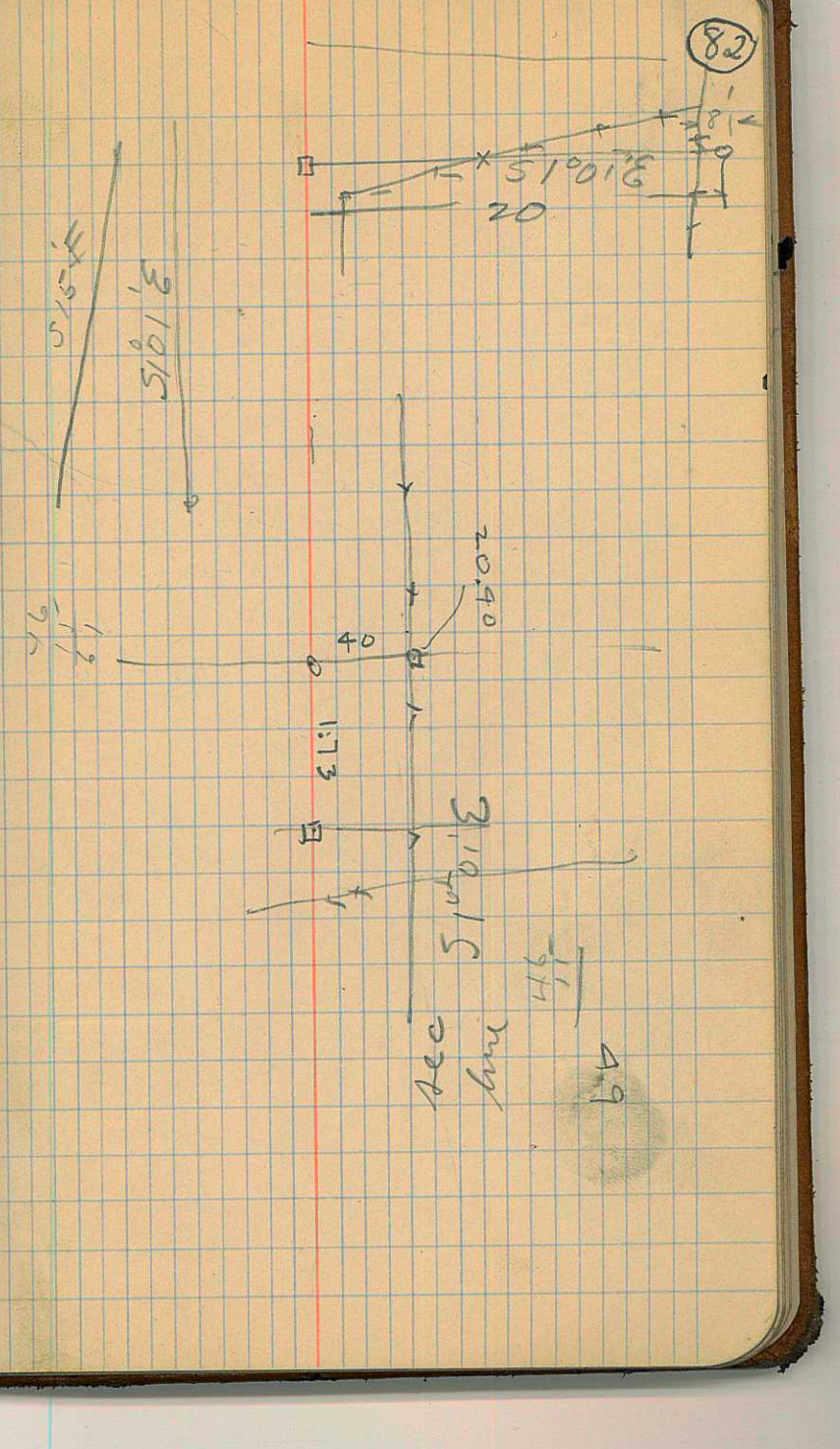
2.00

1.47
.530) 39.77
3977
13230 .0133
11931
12990
11931
10590

.0133
0116
.0017014
.0116
.0029 = 0017
10

.0170 (.0029
174 6

10 / .0029 = 1 / 46



West Cache Sugar Co

Settling Basin

	BS	FS	HI	El	
			3.60		
			7.34	101.04	108.38
		4.56		103.82	
⑦			8.2		
	0.95	11.30		99.55	100.50
6			12.00	98.85	
5			10.20	100.65	
①	9.81			101.04	110.85
		10.71	~~10.71~~	100.00	110.71
			6.90	103.81	
			9.71	101.00	
mn	①	9.67		101.04	

10.5 / 8.2 / 2.3 — 108.38 / 3.60 / 104.78

9.32.1 / 90.5

100.81 / 91.9

100.5 / 7.8 / 92.7

100.5 / 8.2 / 92.3

(84)

1.10.81 / 10.2.6 / 10.0.6.5

on hub

101.04 / 7.34 / 108.38 / 3.60 / 103.82

110.71 / 9.67 / 101.04 / 981 / 1.10.85 / 12 / 98.85

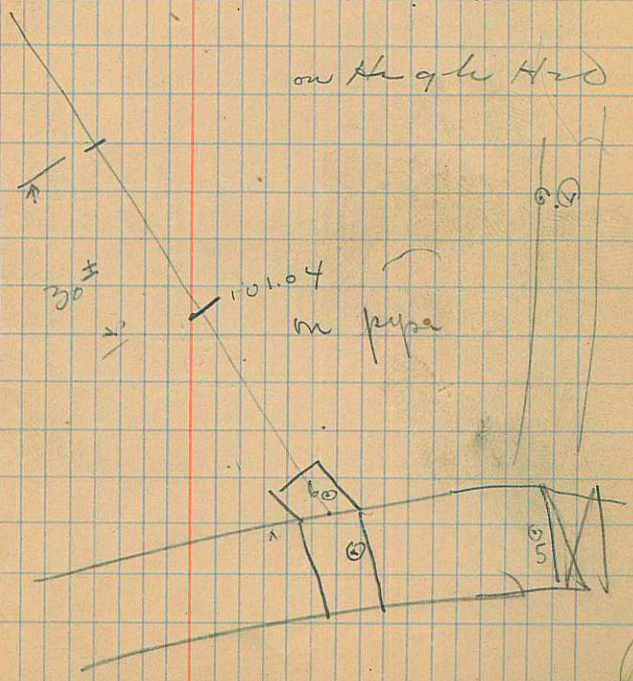
110.85 / 11.30 / 99.55 / 9.95 / 100.50

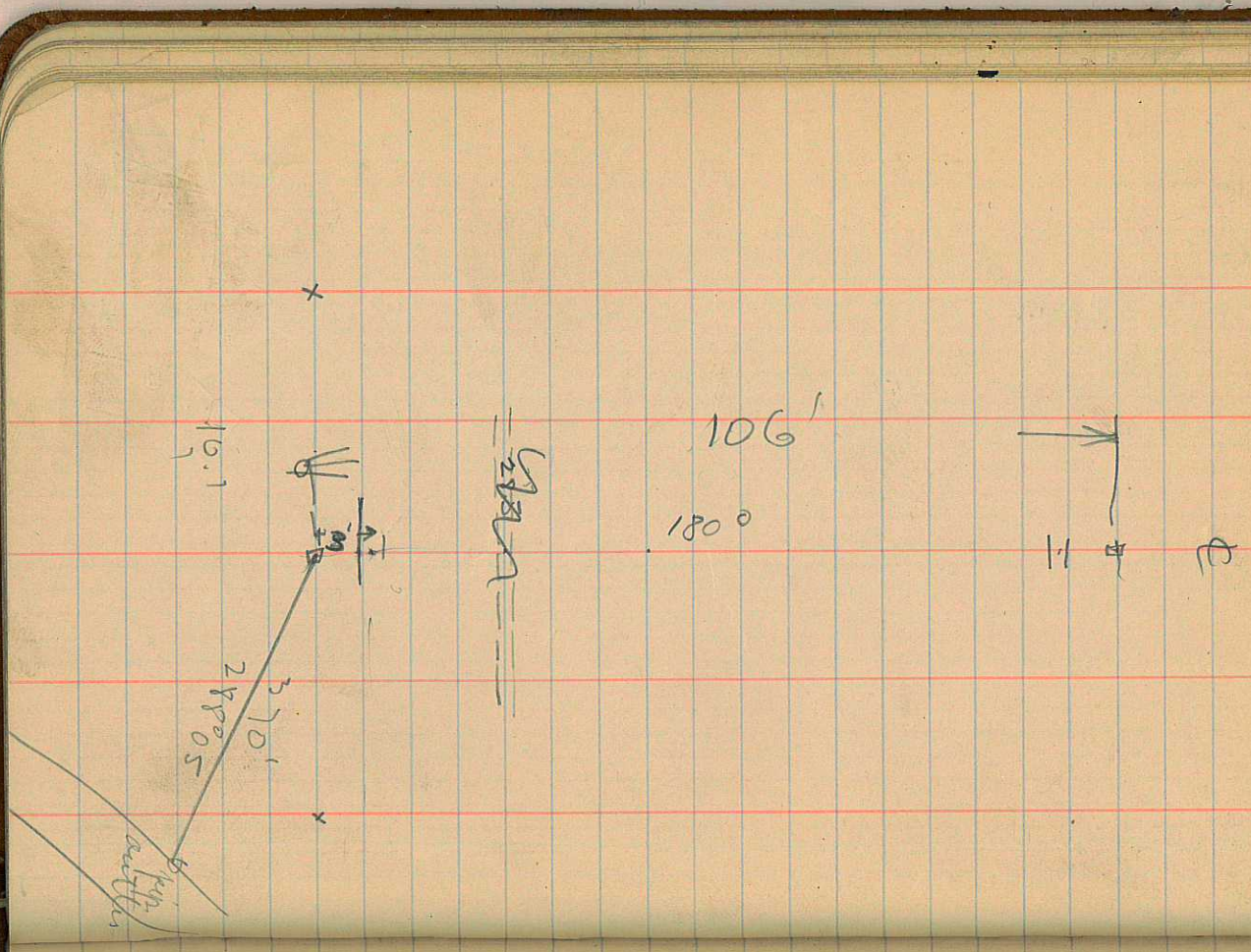
on hub by SW cor

on bottom bolt under hose

on concrete bed

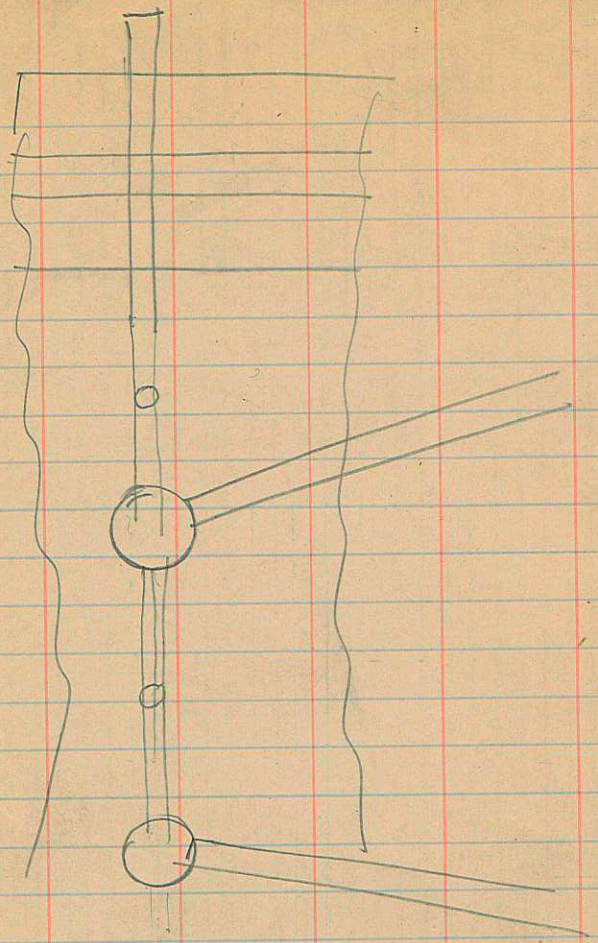
on the apple Hill

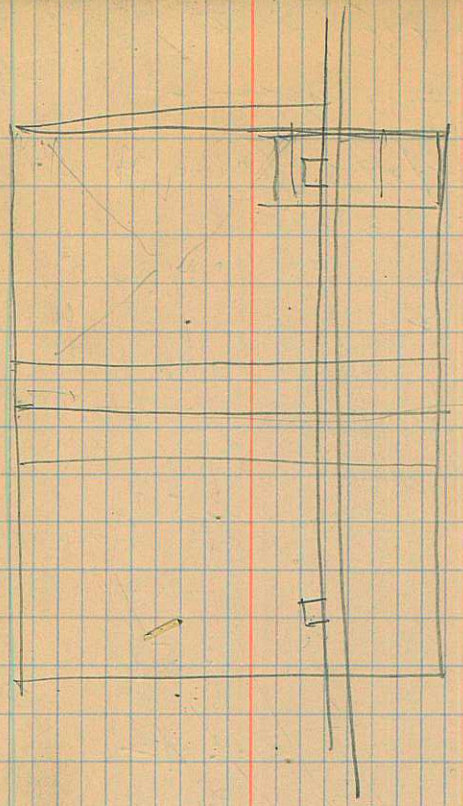




10381
1 1.0
105.31

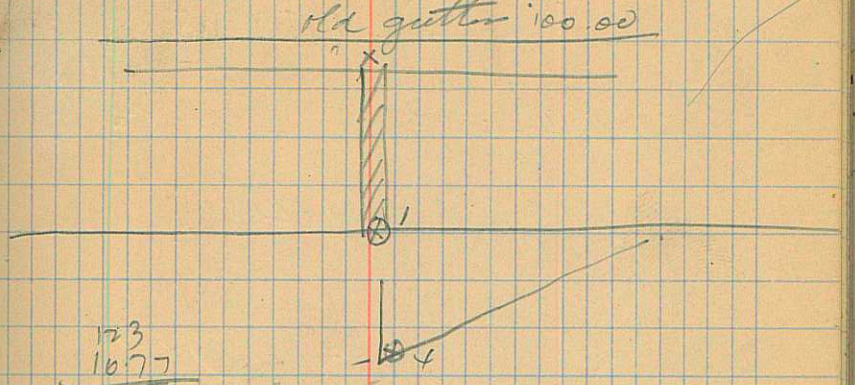
110.85
1.7 p.s.





West Cache
Surveys
7/30/18 Levels at
Silo

	BS	FS	HI	Elv
gutter	5.12			100.00
		3.80		
		3.53		
		3.59		
		3.92		
4		4.00		



123
10.77
1.53

5.12
1.53
3.59

65
28
295
198

Settling Basin

	BS	FS		
		105.3		
	3.67		103.82	107.47
		6.46		
			15.47	
#10.		15.20	92.30	
		5.8		
		15.47 grade at		
			91.	
	3.9	5.70	101.77	105.67
#11		5.9	99.8	

Top cradle

on Hub Stem

on pipe

$\frac{103.8}{3.67}$

$\frac{107.47}{6.46}$

101.00

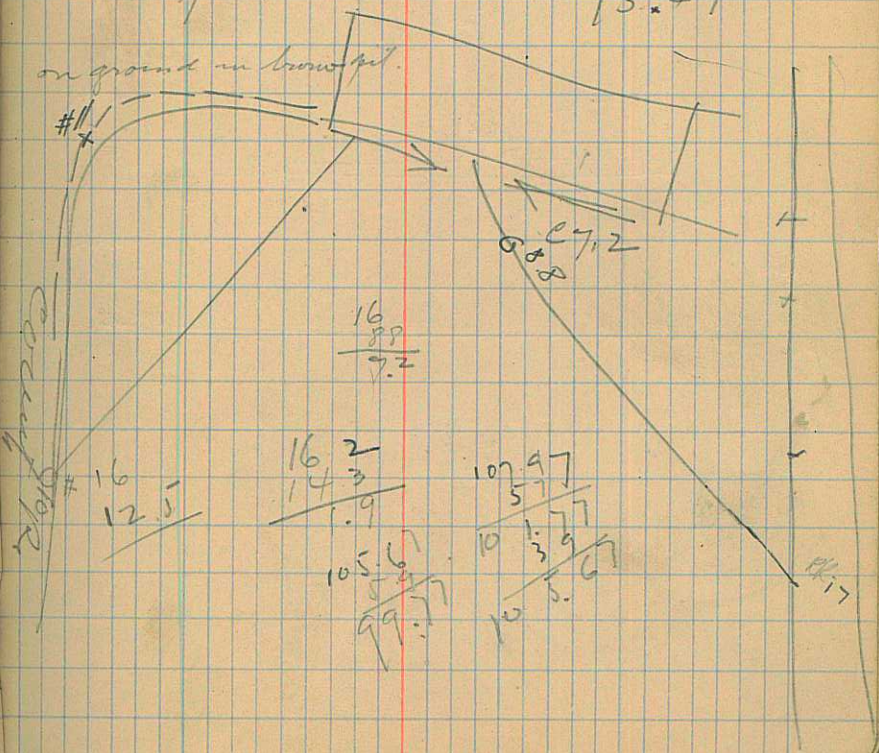
15

$\frac{107.47}{92}$

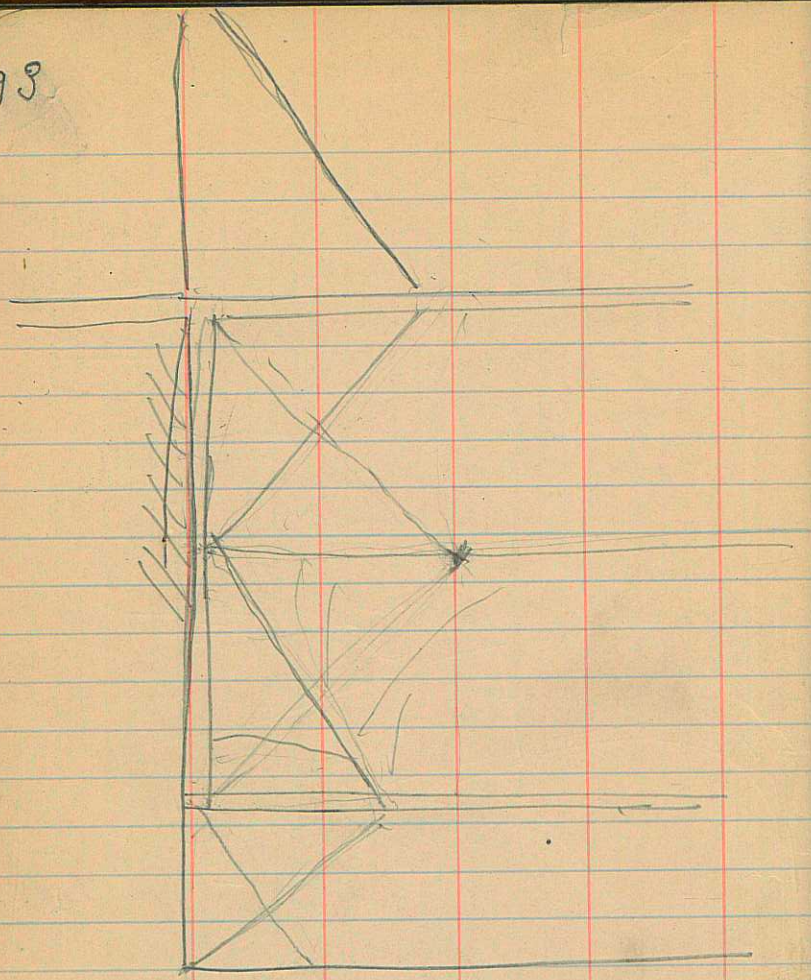
15.47

low point near center

on ground in brown pit.



(92)



Roland

7.99

96

on water plane

$$\begin{array}{r} 7.5 \\ 6.3 \\ \hline 1.2 \end{array} \qquad \begin{array}{r} 7.49 \\ 6.28 \\ \hline 1.21 \end{array}$$

Logan

6.73

July 6 — 1918
Work to do before
gang go Lower —
Read
Rivr. Wt. Power
Race " "
T-H-P-S Canal
Observe elevation of
State Pond
Read L & M Canal
Providence Canal
Meas. Logan Hollow

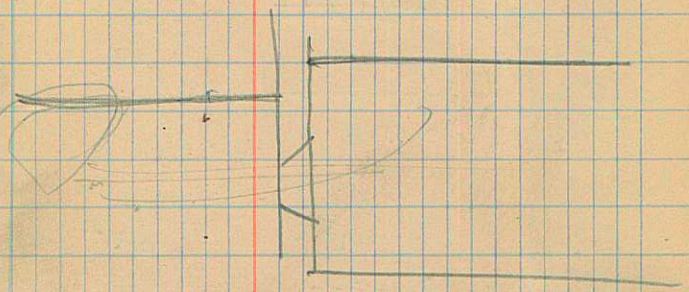
Send Geo A Lowe
Blue print W C Logan
gate & also to Newman
Trust Co

Logan Arbor
Call Griffin to Stop on
L & S Instruct Smiths
about chain on gate &
Unite Hall at Lewiston

8-10
6 73
1.67

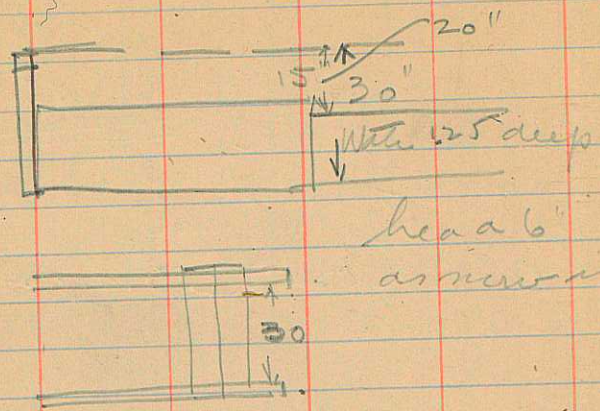
(97)

Hotels
Call John Dorsett
Hydraulic pipe insurance
Call Rosenbaum



Logan Cleland

2 8/6/18



Barbers

2.15
1.78
0.37

2.9
9
3.6
2.1
1

3.6
3.6

2.1
1.1

27
2.1

Aug 6 - 1918

Logan River

Geiger River at Power

Jacobs confluence 1.40 ± 62

Ut. Power Race 1.41 108

Σ H P.S. 1.66 = 62"
Entrance

Schaub 60

230

Run 230

Σ H 1.83 Weirs

1.66 Proven 3 cfs
1.66 in 1 hr. Flume
396
396
4316
66

2158
2158
21338
21338

1.53

3.33
13.32
333
999
6660
10.00

Σ H
0.68 =

$$
\begin{array}{r}
3.5 \\
\times\ 4 \\
\hline
140 \\
35 \\
\hline
49 \\
56 \\
\hline
294 \\
2 \times 5 \\
\hline
27.44
\end{array}
$$

.03 D + D/4 = 1.50

D.10 1500

88.50 | 1.96
380
30

884 | 60
284 | 14.9
40

1010 | 60
410 | 16
10

1010 | 60
60 | 16.8
410
360
500 | 17.5

Φ = Tabun 1/4 I

100

R = 50/D 100

T = 17.63 × .09

1.586 7

9978
48
10 3.58
01

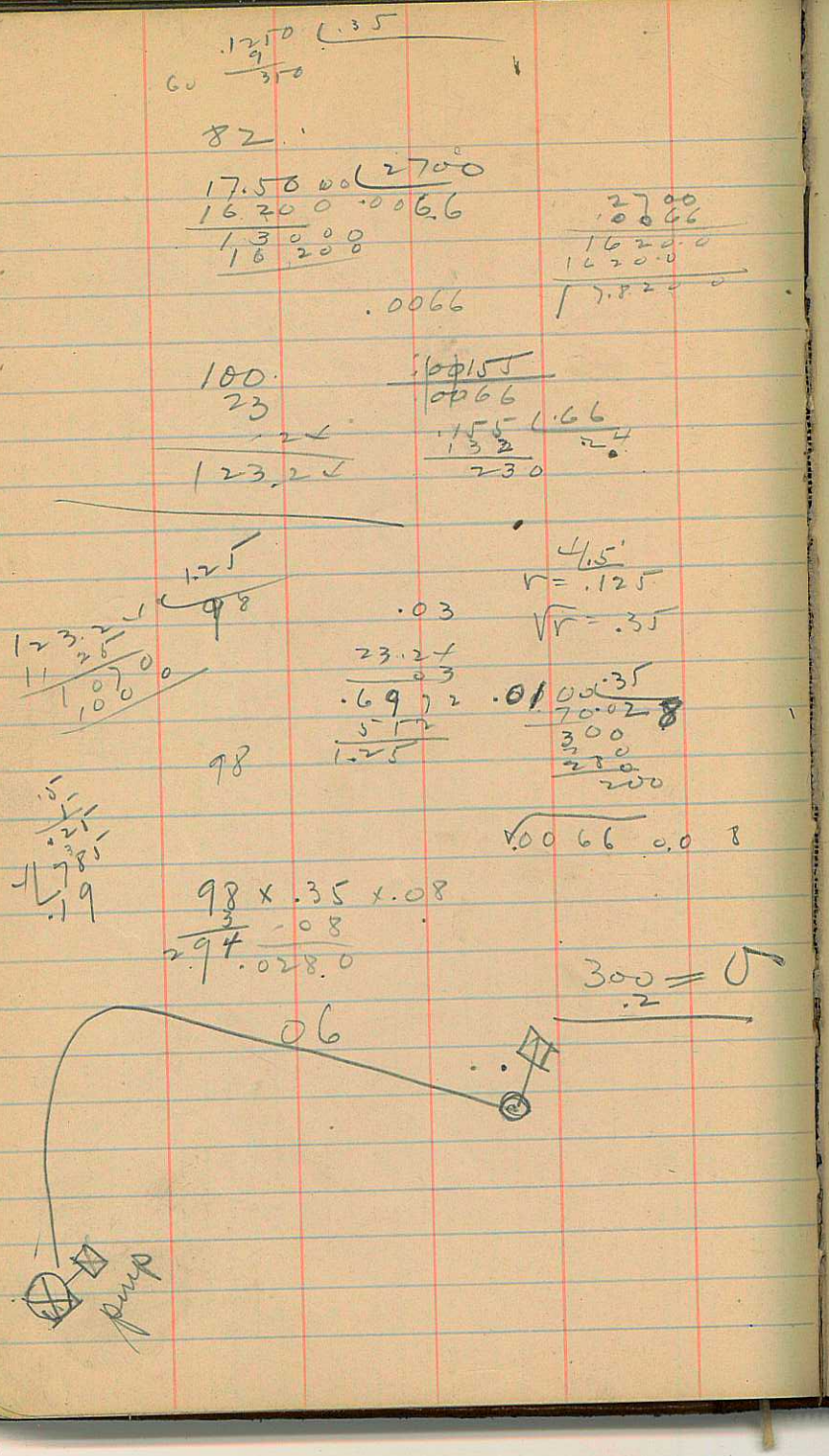
105.88
3
101.
44.73
3
104.21 ele
nagar pat

5.05
5.96
0.09

104.21
5
100.25
110

60 | 20
30

.0875



IMPROVED TABLES
AND
INFORMATION

.00027
.0017 4600
10 + 400