DIETZGEN

TRADE MARK

800

50

FIELD BOOK.

No. 403

800

1

Eugene Schaub
Logan Utah
April 1914

No Smithfield
notes in this
book

West

Logan Temple
alignment
march 31-1914

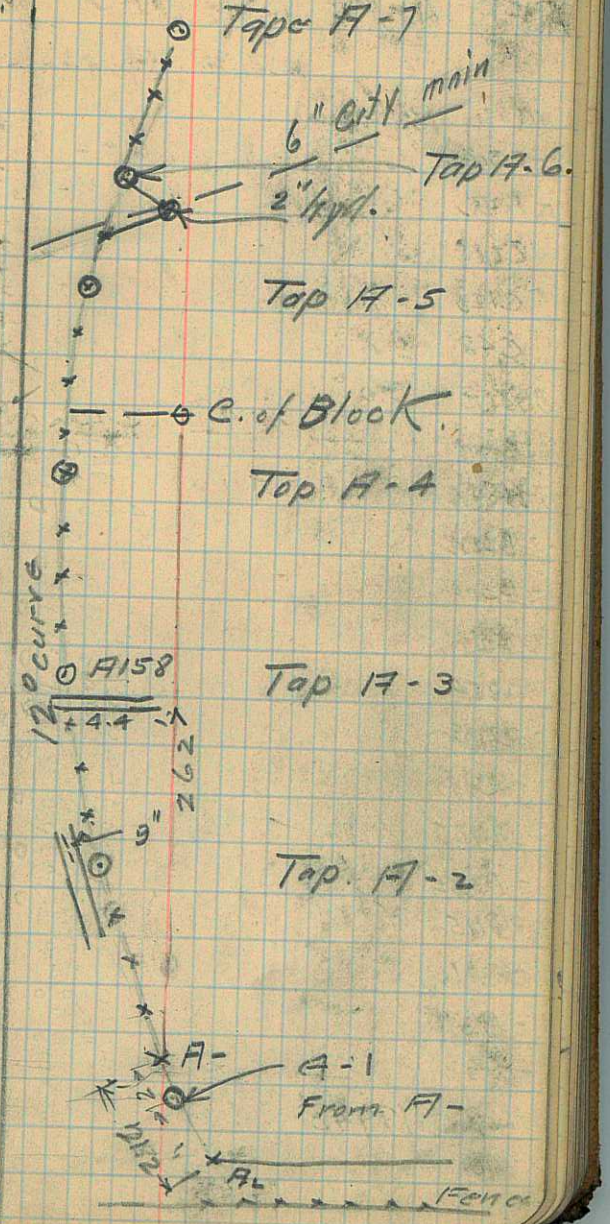
A-Pt	Angle	135	F5	inter
A478	28-35			4.26
A458	27-23			3.83
A438	26-11			4.12
A418	24-59			3.72
A398	23-47			4.06
A354	21-08			3.72
A318	18-59			4.12
A298	17-47			3.26
A278	16-35			3.15
A258	15-23	3.790 up	3.49	3.80
A238	14-11			4.30
A218	12-59			3.91
A198	11-47			4.22
A178	10°35'			3.83
A158	9-23			4.50
A138	8-11			4.18
A118	6-59			3.90
A98	5-47			3.49
A78	4-35			4.30
A58	3°23			3.90
A38	2°11'			4.15
A18	59'			3.81
A-				4.22
-A1	120°			3.89
-A2	179°01'			4.20
				3.90
				3.795
				4.40
				4.03
				4.48
				4.16
				4.65
				4.32
				4.52
				4.12
				4.67
				4.36
				4.75
				4.42
				5.00
				4.67
				5.18
				4.93

4.55 levels up

A478 (4.26 / 4.02) (Continued) 200.88 / 201.28

-2-

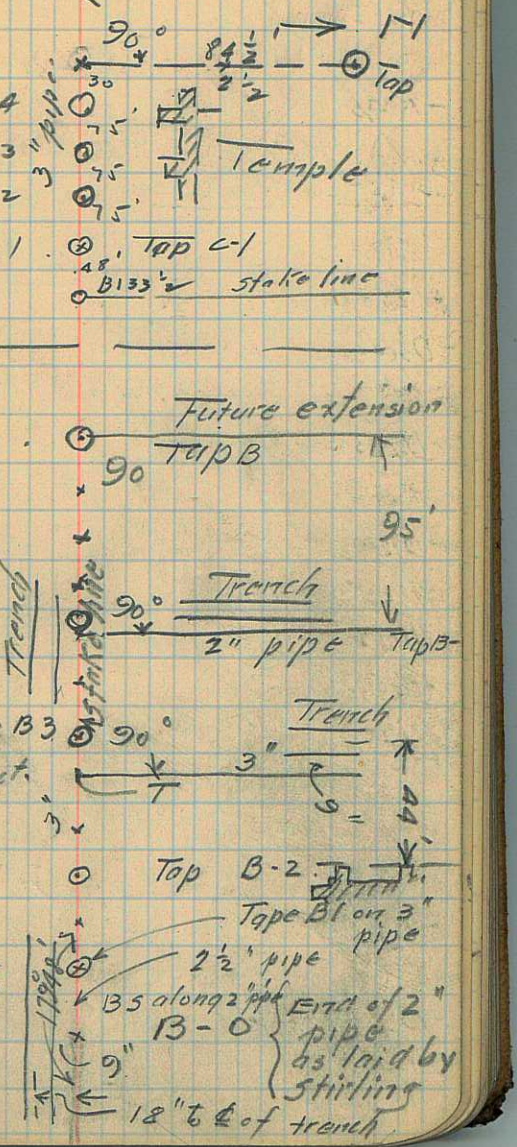
Elev.	H.I.
201.04	
201.47	
201.18	
201.56	
201.24	
201.56	
201.18	
201.54	
201.15	
201.50	
201.00	
201.39	
201.08	
201.47	
200.80	
201.12	
201.10	205.30
201.51	
200.70	
201.10	
200.85	
201.19	
200.78	
201.11	
200.80	
201.10	
201.21	
200.60	
200.97	
200.52	
200.84	
200.35	
200.68	
200.48	
200.88	
200.33	
200.64	
200.25	
200.58	
200.00	
200.33	
199.82	
200.07	
200.45	205.00



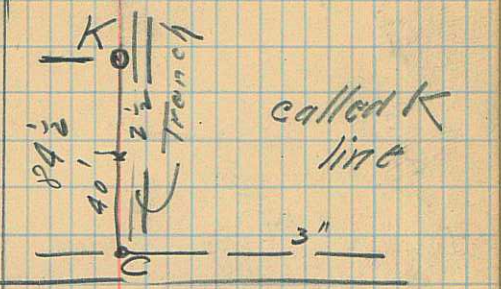
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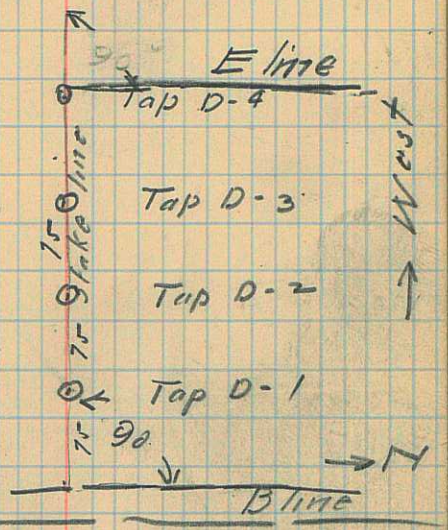
Levt.

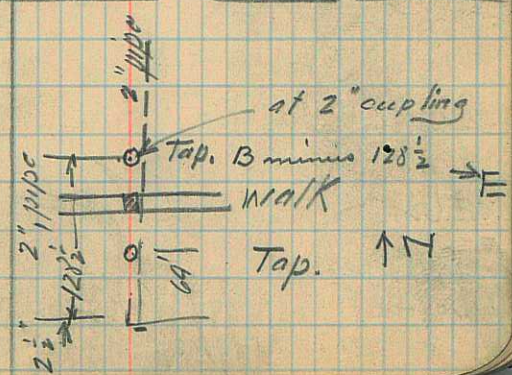
Π-Pt	Angle	BS	FS	inst	Elev	H.I.
					198.35	
				6.95	198.88	
-C304½			6.42	6.420		
				6.32	198.98	
-C273				5.82	199.48	
				5.20	200.1	
-C198				4.80	200.50	
				4.35	200.95	
-C123				3.70	201.60	
				4.28	201.08	
-C48				3.79	201.51	
B133½-	90°					
A258		3.79	Levels up.			205.30
			Level down			
A-258		3.790				205.30
			4.60 D		200.70	
-B323½			3.50		201.80	
			4.68 D		200.62	
-B304			3.63		201.67	
			4.72 D		200.58	
-B279			3.92		201.38	
			4.85 D		200.45	
-B254			3.92		201.38	
			4.71 D		200.59	
-B228½			3.89		201.41	
			4.90 D		200.40	
-B190			4.01		201.29	
			4.90 D		200.40	
-B165			4.32		200.98	
			4.90 D		200.40	
-B135½			3.99		201.36	
			4.95 D		200.35	
-B115			3.99		201.31	
			5.00		200.30	
-B90			3.97		201.33	
			5.00		200.3	
-B57			4.15		201.15	
			5.20		200.1	
-B-32			4.19		201.11	
				4.95 Hub	200.05	
B-0-	179°48'			4.05	201.00	
		4.55			200.45	205.00
		Levels up				



Pt	Angle	BS	FS	inst	Elev.	H.I.
-K 84½						
-K 46						
C 304½ -						
		levels run				
H 258		3.79			201.51	205.30
			6.95		198.35	
-D 304½			6.56		198.74	
			5.90		199.40	
-D 225			5.44		199.86	
			5.00		200.30	
-D 150			4.65		200.65	
			4.35		200.95	
-D 75			3.91		201.39	
B 228½ -						
H 258						
			4.55		200.45	
-B 128½		shot bk to 76½	4.00		201.00	
			4.48		200.52	
-B 64		shot bk to B-32	4.00		201.00	
-B-0						
		4.55			200.45	205.00



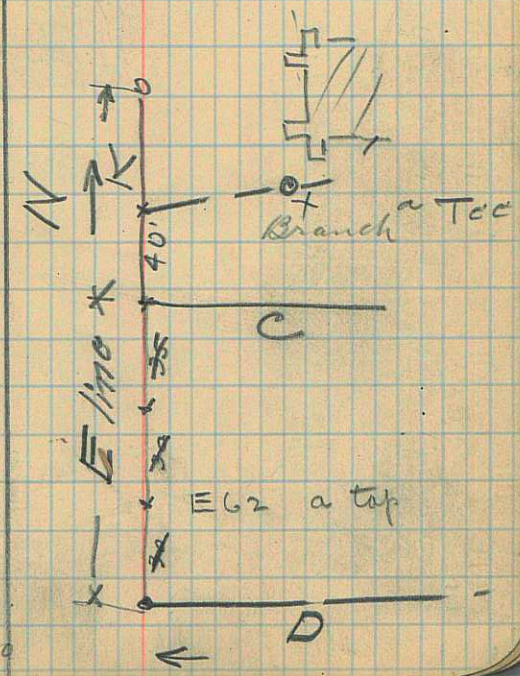




6.63

135
91
84
179½

PT	Angle	BS	FS	HI	Elev
F180		5.17	5.36		197.55
			6.35		197.74
				202.91	
℄ top			3.80		200.29
			3.35		200.74
-EK 79½			6.25		197.84
			5.69		198.40
-EK135			~~5.47~~		
			5.93		198.16
			5.52		198.57
↑ level up C309½			5.21		198.88
				204.09	
-EL0					
					198.20
-E62			9.10		198.67
			6.63		
D309½					
A258		3.79		205.30	



Z 3 ½ 10

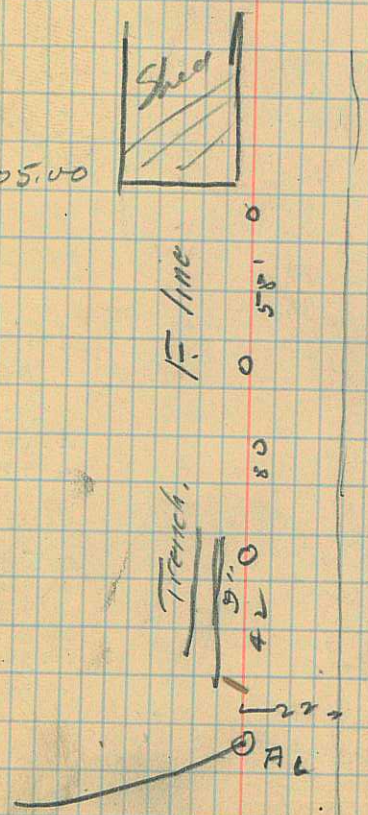
12 7/8
180

Δ-Pt Angle BS FS Scan UCL

Levels down

4.55

-F180	7.46 7.81 ~~6.66~~ ~~7.10~~	200.45 197.54 197.19	205.00
-F12	6.66 7.10	198.34 197.90	
F42	5.50 5.73	199.50 199.27	
AL	5.06 5.38	5.06 468 199.94 199.62	



F-42 Tapai

Pt	angle for Pt	BS	FS	HI	Stadia		
~~BM~~			4.27 3.77		201.65 201.15		
CL48		4.41			201.51	205.92	
-CI 150			5.13 4.12		199.87 200.88		
CI 125			4.52 4.11		200.48 200.89		
CI 100			4.55 4.15		200.45 200.85		
CI 75			4.70 4.32		200.30 200.68		
- CI 50			4.70 4.32		200.30 200.68		
-CI 25			4.88 4.50		200.12 200.50		
CI			6.36	6.36 6.	198.64		
		Level up 4.55			200.45	205.00	

1 4 1
3 7 7
.6 4

4 6 2
5.98
.64 12

Ditch

no detch

× 150.5 detch bank

Fence → S

× 138.2

CI 117.3 ×

S Curve 120

105 to A-118

4" cmt pipe

CI bar

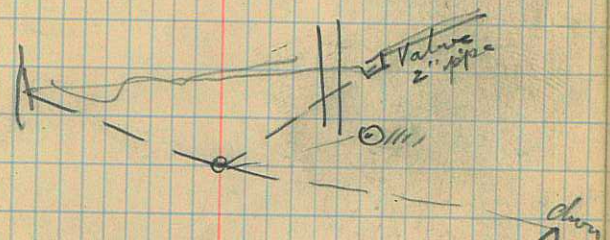
188.5

bottom pipe

21 1/2"

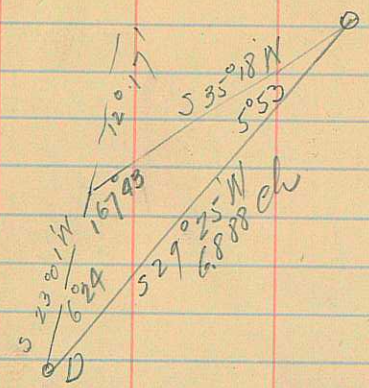
T-Pt	Ag from Sta.	B.S.	F.S.	H.I.	Stadia	Elev
					U C L	
	48°-29				4.85 4	
	25°02				4.75-3	
	10°40				5.81 4	
	11°12				5.66-4.0	
Sugar maple	22°17'				4.81-4.0	
not ash with Elm	54°48'				4.31-4.0	
	108°11'				3.54-3.00	
B133½						Set 179°20'
line B	359°40'					
BO-						Set 180°24'
BO	24'					156.3'
-1				5.04		Elev-199.96
2" pipe	359°52'					
BO	24'					
C 1150'	295-8'				5.13 5.59	
White maple	69°30				4.98 4.72	
C!	66°45				6.36 6	
pine	112-31'				1-2.82	
pine	89°10'				4-5.05	
Valve	75°-3'			7.12	6 6.59-	Elev=197.88
.33		4.55				200.45
	96°20					to church spire 3rd Ward

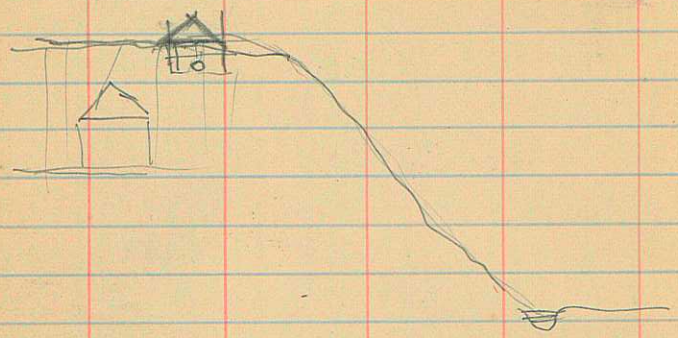
line B

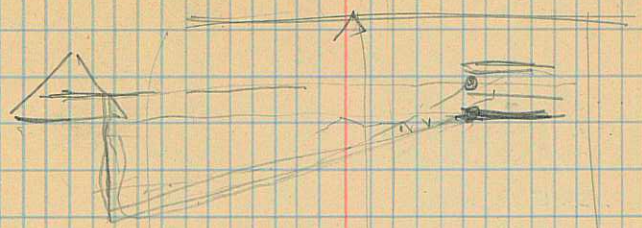


Sq from Spot	Slope		
68°14	2	5,11	Norway maple
75°11	2	4.86	Norway spruce
77°08	2	5,20	Sugar maple
83°30	2	5.20	Norway spruce
	2	5.22	
90°14'	2	5.22	cut leaf weeping birch, three 0° 0° 0°
91°12	2	5,18	
88°11'	2	4.56	Norway spruce
78°53'	3	4.92	Norway spruce
71°22'	2	4.35	Norway Spruce
58°58'	3	5.52	White maple or silver maple
44°08	3	4.90	Cut-leaf weeping birch
44°27'	3	4.56	Occidental plain
60°26'	3	4.27	Scotch Larch
76°	4	5.40	Norway spruce

Redman Survey







Levels for
Jno. R. Bacon
Providence

Pt.	BS	FS	HI	Elev.
	9.67			
		0.81		
	12.50			
a		2.35		

Levels in creek

d	12.95		100.00	112.95
		1.95	111.00	
	4.78			115.78
c		5.76	110.02	
		11.35	104.43	

h	12.95		
	8.65	100.00	

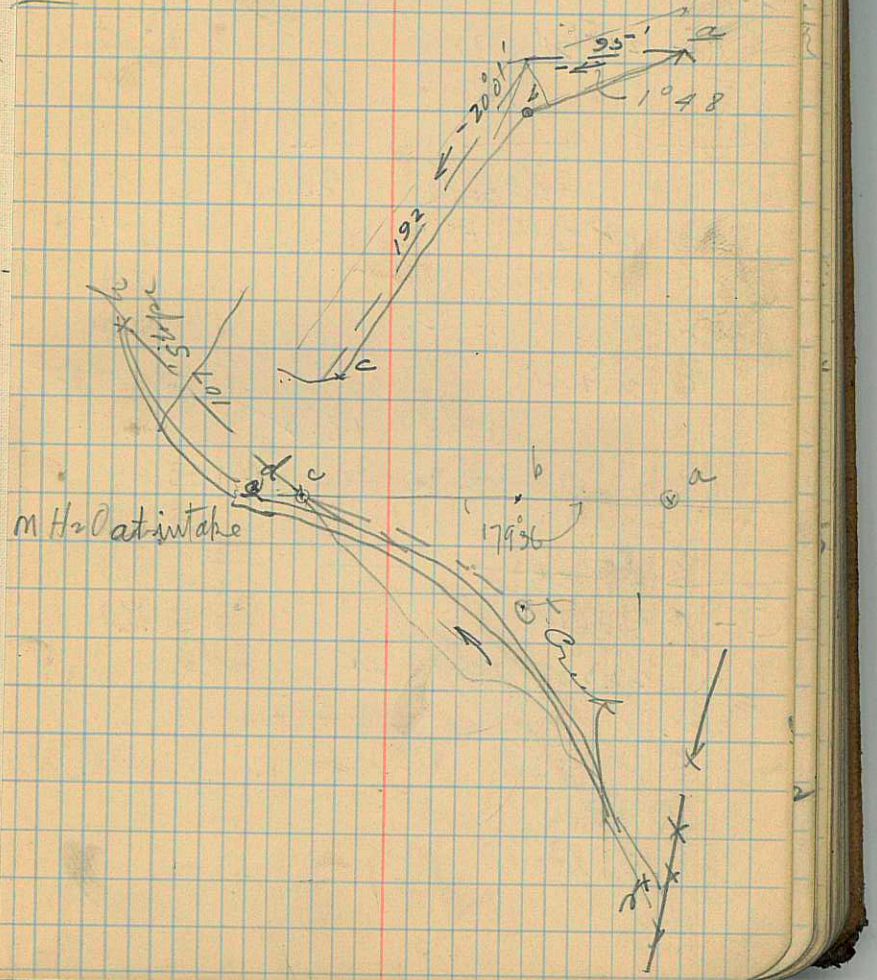
12.95
4.78
17.73
13.30
4.43

23.17
2
21.
1.95
1.35
13.30
3.16

22

at house

at Reservoir



A-Pt Clockwise angle list

Pt.

C-

d 222° 45' 28"

f 70° 26' 39.2

f-

g 215° 31' 31'

Check levels

	BS	FS	cm
g	11.00		
e		5.90	
C	2.20		
		T 13.2	
d		12.20	10000

C-

h 223° 20' 107 slope

BS to b to box

6 1/2

3422
195
1711 0
3079 8
3422
6501 2
2.98
6.9.70
10.00
79.70
73
82.70
65
17

6.5
12

.031 4
15 7 0
2826
2.9830

112.95
1.95
111.00
4.78
105.78
5.76
110.02

115.78
11.35
104.43

11
2.20
13.20
17.600
13.20

on H2O in creek
1' feet above water

16 H.L.
- 7° 43

4895
1.86
6.755

Stadia

	a from P point	Setting	Bearing	L	C	U	BS
X - Pt	~~270°~~						
-18	130°11			5		6.25	
-17	188°43		N3°43'E		8.2	8.49	
-16	234°10			4		5.17	
-15	259°11				4.82	6.15	4.82
13-		278°49'					4.30
T.P. 14	118°49,		N61°11'W	2.80	5.76		
X - 13	98°49		N81°11'W		0	5.0	
-12	141°			3		5.8	
-11	144°20'			4		5.81	
-10	116°30'			4		5.89	
-9	209°45				8.06	8.16	
8-		339°41					
8	159°41		N20°19'W				2.80
7	264°				8.8	10.9	
6	167°13'			3		5.13	
5	236°50'			3.		4.26	
4-		297°46'					4.88
4	97°46		N82°-14'W				
1			~~34' on Slope~~				
3	223°46		34' on slope				13.2
2	40°51'		+0.5.6				
1-							

Survey for E. J. Gibbons of Ruckers 4/11/14

College - Ward Canal

from Blacksmith - Fork

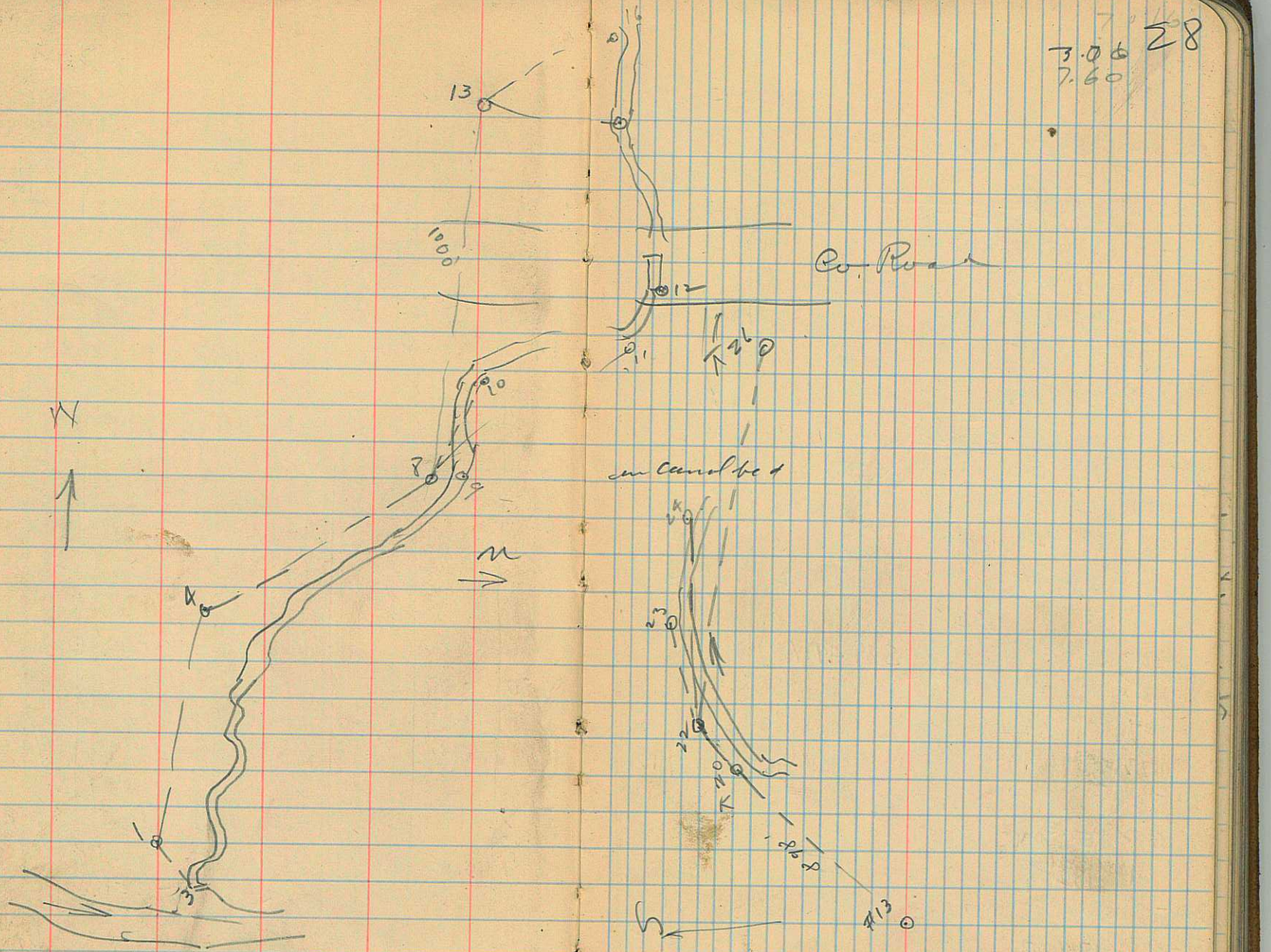
Fs	BS	Elev	HI	Bearing	Dist	Vert angle
						3.59.60 8.21.2
	8.20			N8°30'E		Canal bed
						Scum of C
4.93						
5.76						Near C
				N81°20'W	1000	
						0
				N20-20W	649'	
8.80						
				N82°14'W	422.5'	Canal
8.35						
	5.05					
					-135'	BS13.2

Big Johnson

Intake

105.6 to the a 6° bottom large gate

3.06
7.60

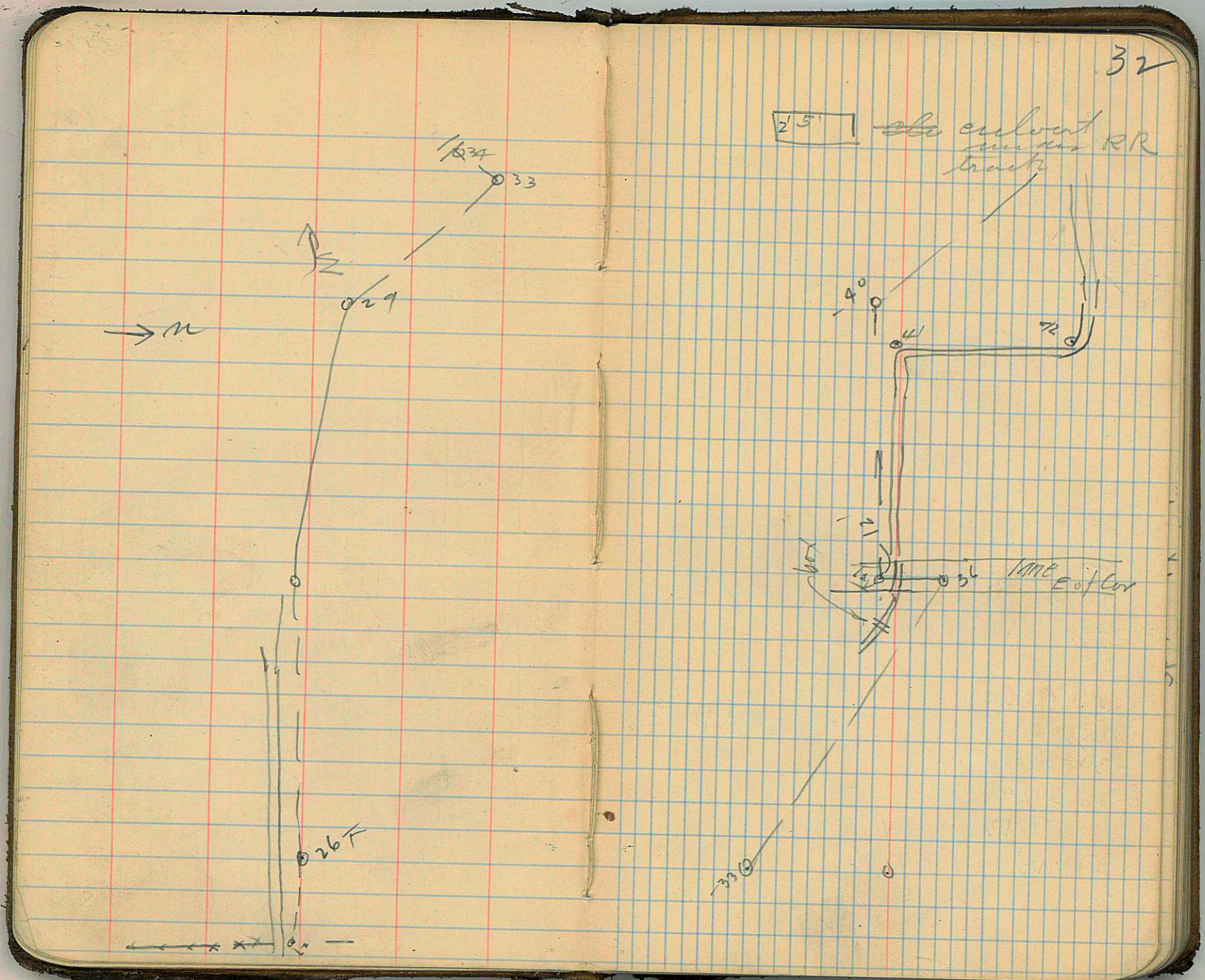


Sta - Pt	Eg fun 5	Setting	Bearing	L	Stadia C	Stadia D
A-36	124°58'		N55°02'W			
-35	124°2'				7.05	11.10
-34	333°38'	~~333°38'~~		1.9	3.60	
33-		303°43'				
A-33	123°43'		N56°17'W			
-32	110°04'			11.95	8.35	
-31	33°25'			7.86	7.36	
-30	309°43'			5.24	3.0	
29-		286°24'				
A-29	106°29'		N73°36'W			
-28	88°05'			3		8.12
-27	28°04'			3		4.55
25	280°09'			2		4.9
26-		269°49'				
A 26	89°49'		S89°49'W			
25	85°40'					
24	77°53'			2	5.15	
23	76°37'			4.		7.12
22-		239°07'				
A 22	59°07'					
21	182°14'				5.13	5.25
20-		239°07'				
A-20	59°07'			0	4.5	
-19	70°15'			3		7.60

Dist	BS	FS	elev
869'			
	3.60		
		7.05	
995'			
	6.30		
		8.35	
		7.36	
1000'			
	4.62		
		7.00	
1000'			
	5.46		
		6.55	
		7.12	
71'			
898'		6.40	

30.

Middle
N55°W
N56°30'W
N73°45'W
S59°30'W
S59°10'W


2'5' culvert
under RR
tracks
34
33
29
N
40
32
72
71
Mud
36
Same E of Cor
33
26

Studies

T-St	azm	Dist	Bearing	L	C	J
50	126°08			5.92	8.9 ~~8.9~~	
49	87°49			4.7	7	
~~T~~48	124°		N56°W			
47-		359°08				
-47	179°08		N52°W			
46-		16'				
-46	180°16	~~+6'~~				
45-		16'				
~45	180°16		N16°E			
44-		298°54				
~44	118°54		N61°06W			
~~43~~	119°20			5.06	8.8	
~~42~~	184°25			2	4.8 ~~0~~	
41	271°			3.46	3.84	
~40-		270°30'				
~40			N89°30W			
~39	90°30		N89°30W			
~~38~~				5.80	8.72 ~~8.77~~	
~~35~~	262°13			4.83	4.97	
~36	302°44'					
37-	~~180°13'~~	180°13'				
~37	0°13'					
36-		304°58				
~36						

Dist	BS	FS	cm
	0.65	8.90	
1464'			
	3.00	5.70	
1000	0.76	11.52	
	2.80	9.33	
800		5.00	
	4.60		
1000'			
786'			
		8.80	
	3.84		
	2		
60			
593'		5	
		~~8.77~~	
	4.97		
40'			

~~Fall 21.92'~~

~~N 61°06W~~

~~N89°45W~~ 5 bk

See over

Mode Bearing

N 56W

~~Fall 21.92'~~

4/11/14

Set on #37

Obs. on Sun

	a	Vert ∠	time
Dir	71°18	32°04	4:10
Invert	72°28	31°11	4:12
	71°53	31°37'30"	
			cor 3'36
Dir	73°22	30°15	4:19
Invert	74°21	29°25	4:21
	73°50	29°50	4:20
Dir	74°06	29°36	4:22
Invert	75°	28°49	4:24
		29°12'30"	4:23

OK

Angle Mean (Watch 4' fast)

= 74°12'7.50"

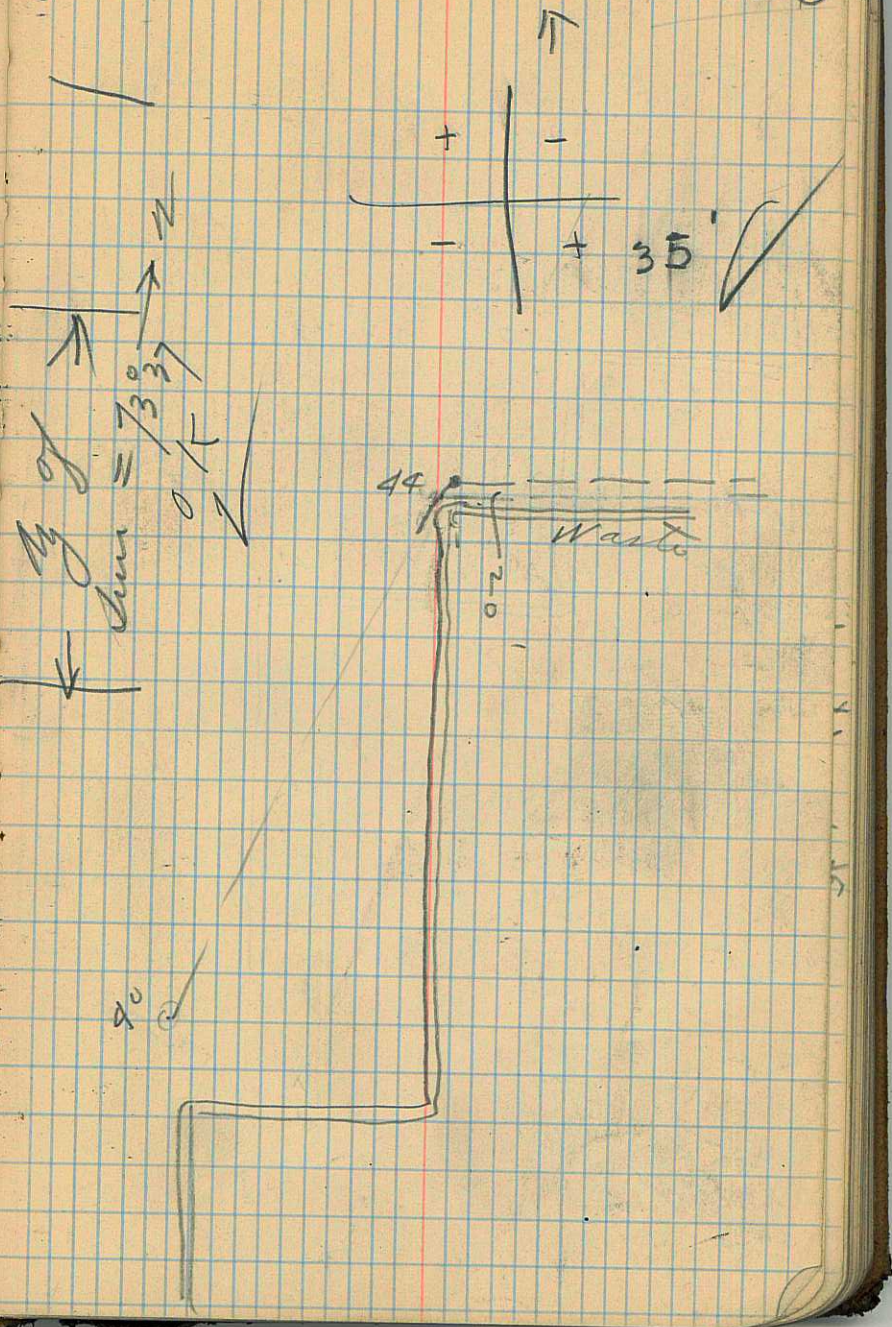
4:24
4:17

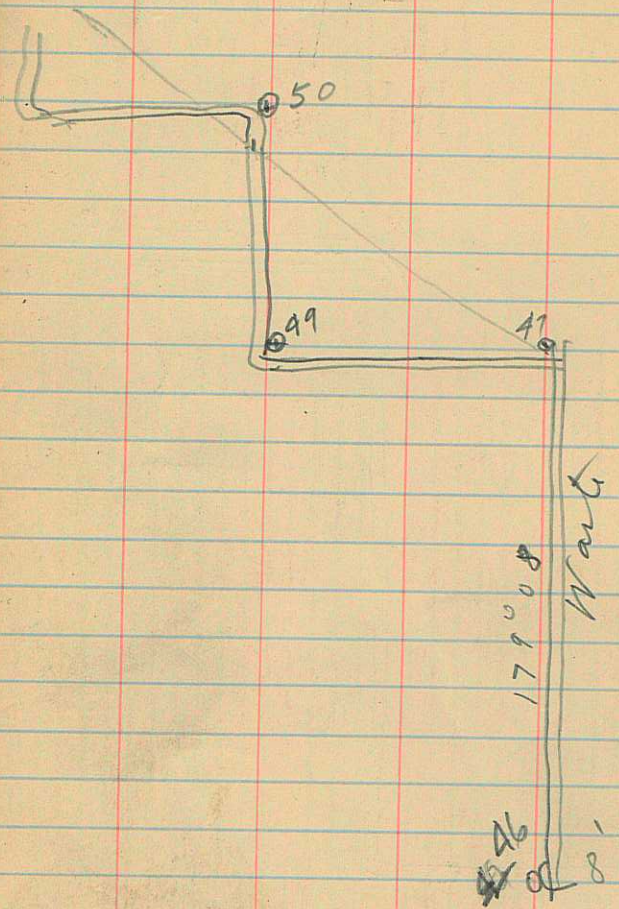
local time = 3:49 PM

Diff in time = 7:33+
3 49
11:22 m

= 11.37

H = 29°31'15" cor. for
ref = 29°29'30"




50
49
47
179.08
Wall
46
8'

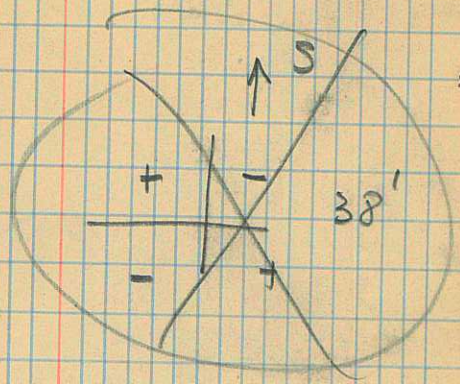
T-Pt	S	Setting	Bearing	L	C
-55	131°10'				
54-		249°21'			
-54					
	214°50'				
	216°15'				
54	69'21"				
53-		310°30'			
T 53	130°30'		N49°30'W		
-52	170°05'			4.	7.0
-51	11°15'			3	5.25
48-		304°			

12.4

130°03'40"

575

Dist	BS	FS	HI



HI 495

at 54 [illegible] to the point 50'59"W of 53 W true [illegible] W station [illegible]

15.40

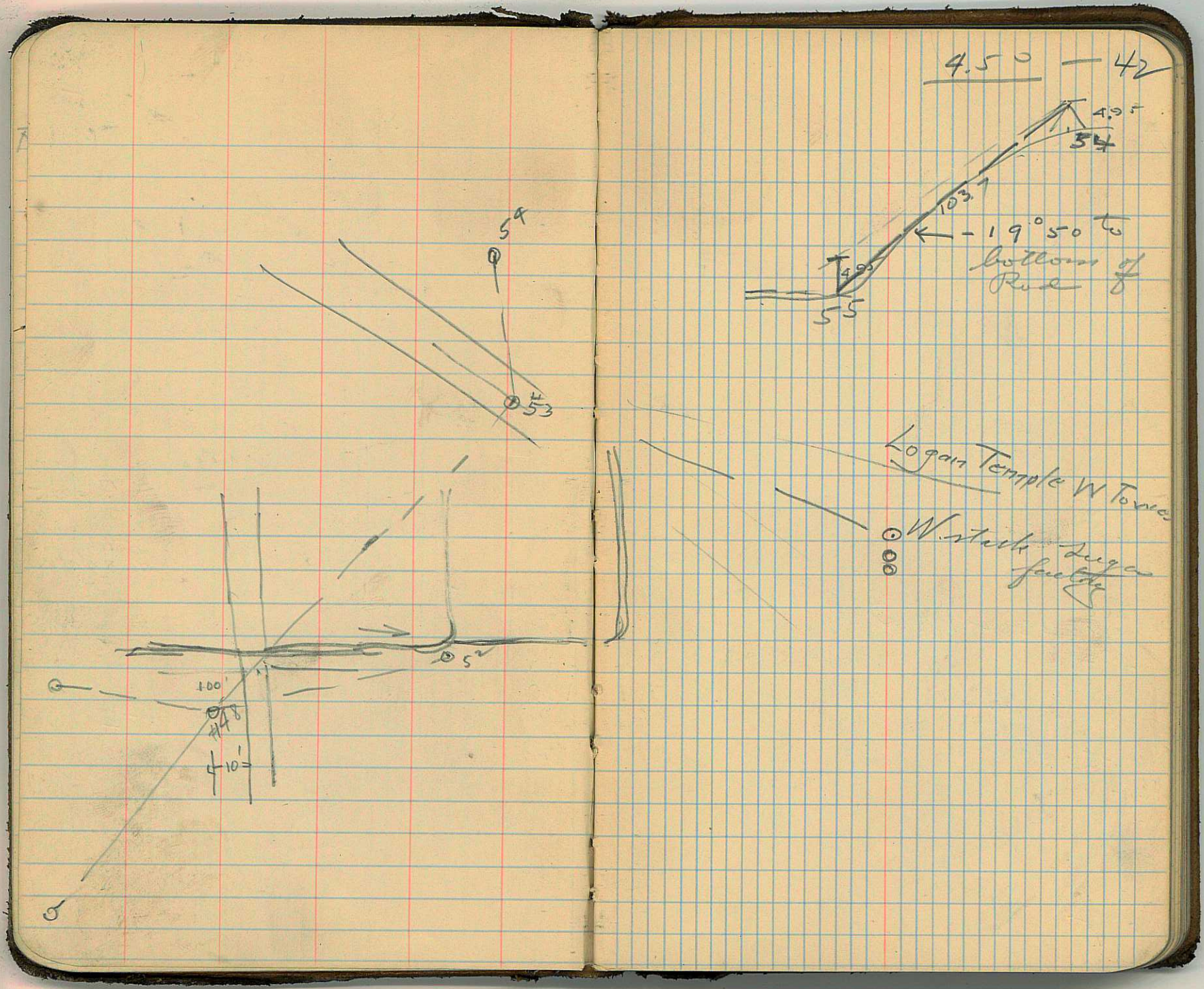
393

5.75

130'

1170 — fall from [illegible] = 354

863'


4.5 — 42
4.9
54
103.1
- 19°50' to bottom of Rock
55
Logan Temple W Tower
W. stack
54
53
52
100'
48
10'

K-Pt	Vernier A from S. pt.	Vernier B	Bearing	Dist	Needle

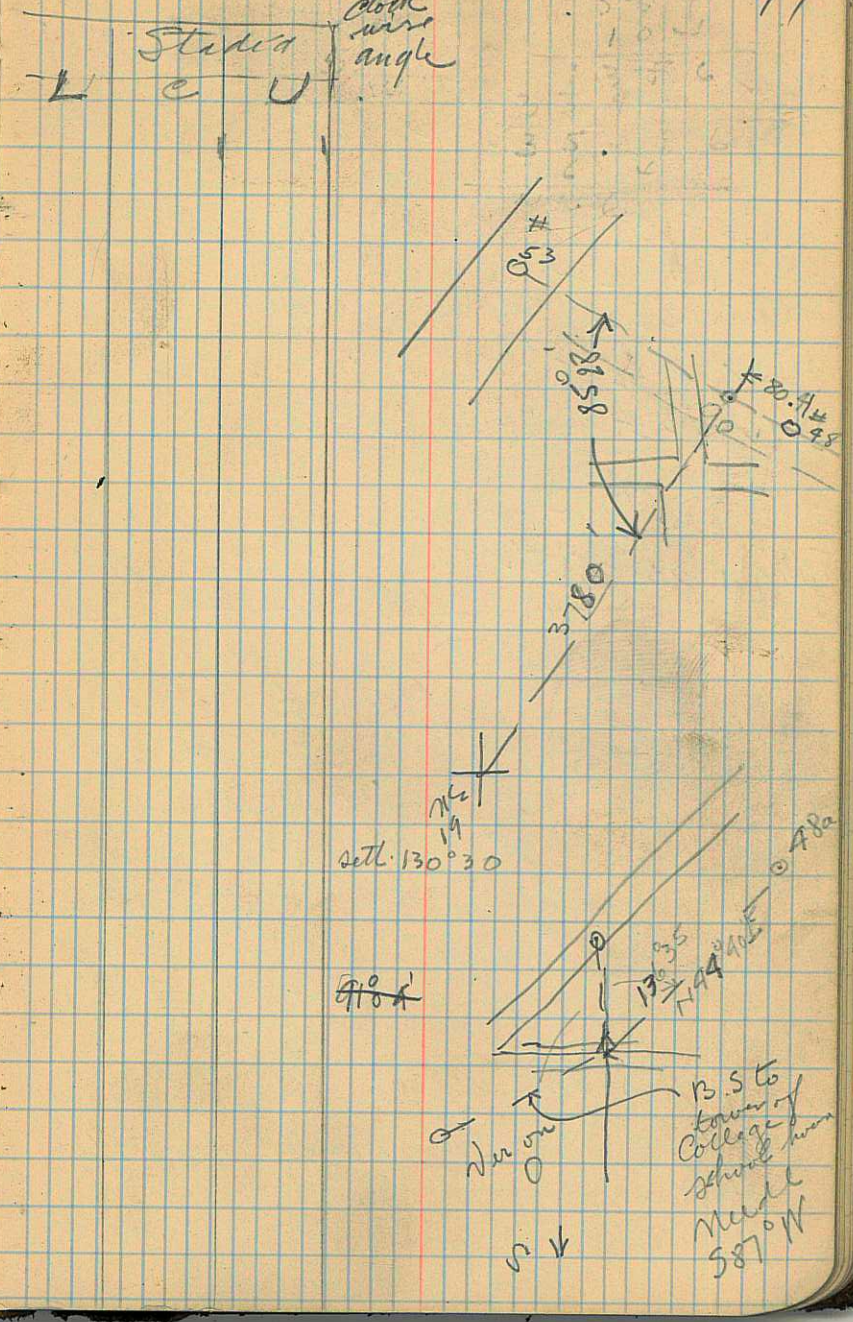
NE cw 45°02 – 225°02

48a –

NE 19 –

Stakes L C U

clock wise angle

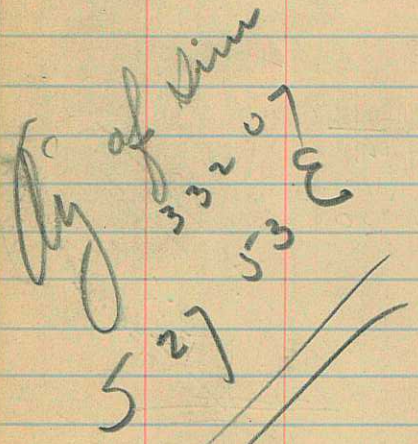


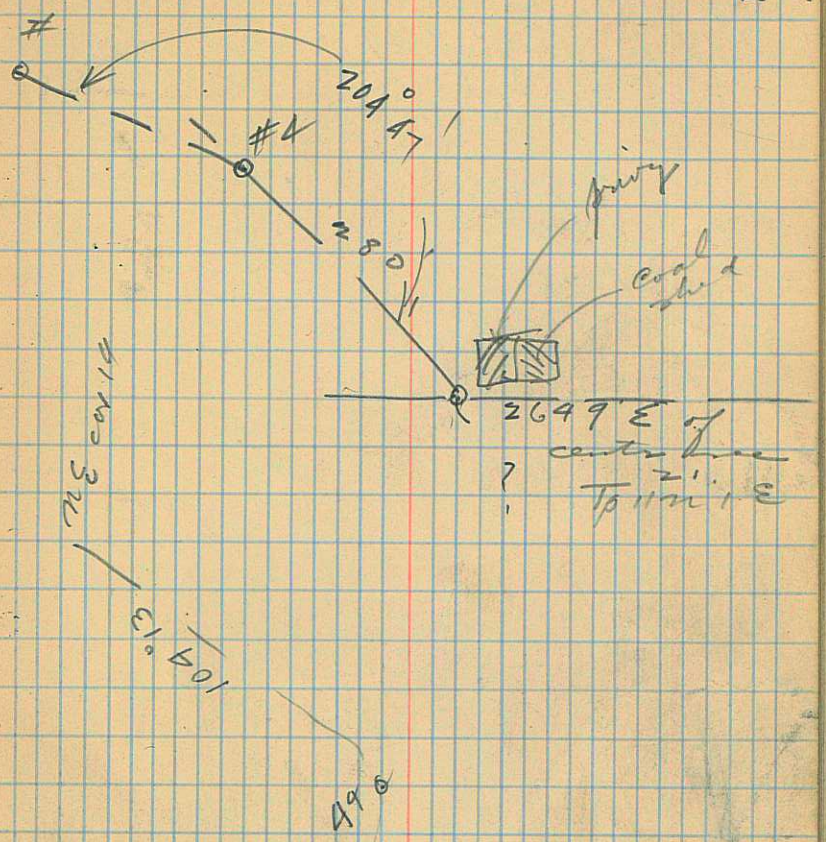
April 13-1914

	az	Inst time
Dir	329°00	53°50 11:23
Invert	330 57	53 32 11 25
Dir	331 06	54°20 11 30
Invert	332 54	54 00 11 31
mean	332 00	54 10 11 30
Dir	332°35	59°41 11 32
Inv.	334 26	54 20 11 35
	333°30'30"	54°30'30" 11 34
		.542015 8a
T. Mean	332°45'15"	11:32

Watch 7 fast

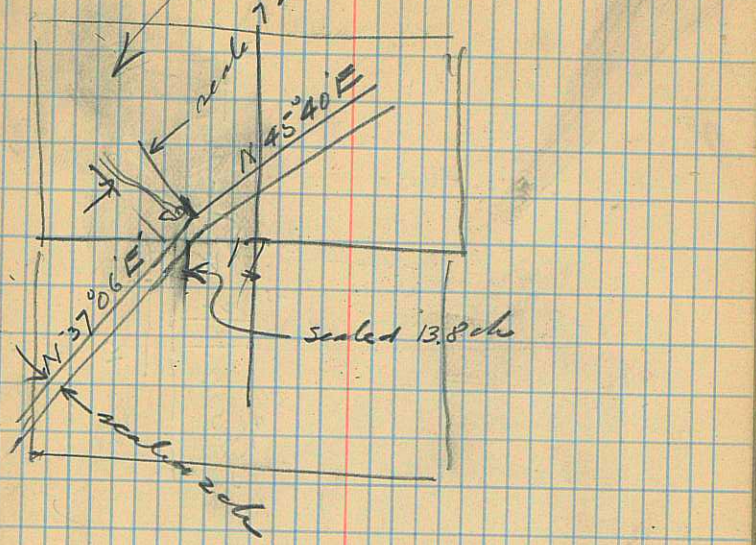
11:32 - 7 =
11-25
local time
= 10:85 -
28 = 10.57





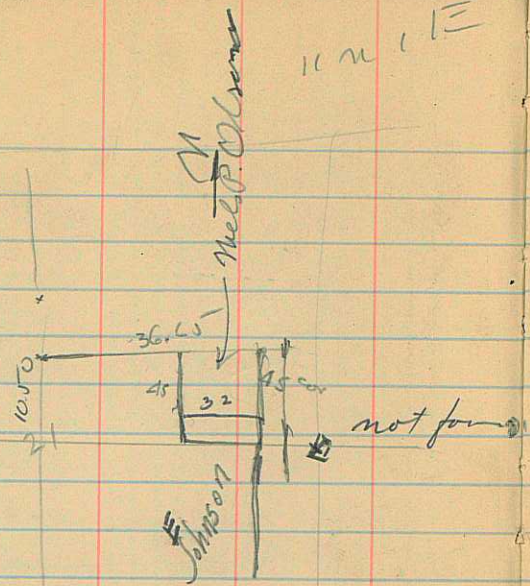
Co. Road Thru. Sec 18. T 11 R E

Georgania Hill 48



22.1
330
191

11 N 1 E



2°30

10436
105
21180
436800
45.66
4668
27468
27.47

40
36.65
3.35
13.40
7.40

50
2.83

16.5
7.6
660
11.5.5
3.6.3.2.1.0
3 7

10.50
2.00

3.35
66
2010
2010
221.1

Olson
Beg 10.50 ch N & 3.6.65 E
of Center sec. 21. Tp 11 N 1 E.
~~S2~~ to to Road ~~thence~~
S 2°30' E 45 ~~rods~~ rds.
W 32 rds. N 2°30' W 45
rds. E 32 rods to beg.

Levels for Pete

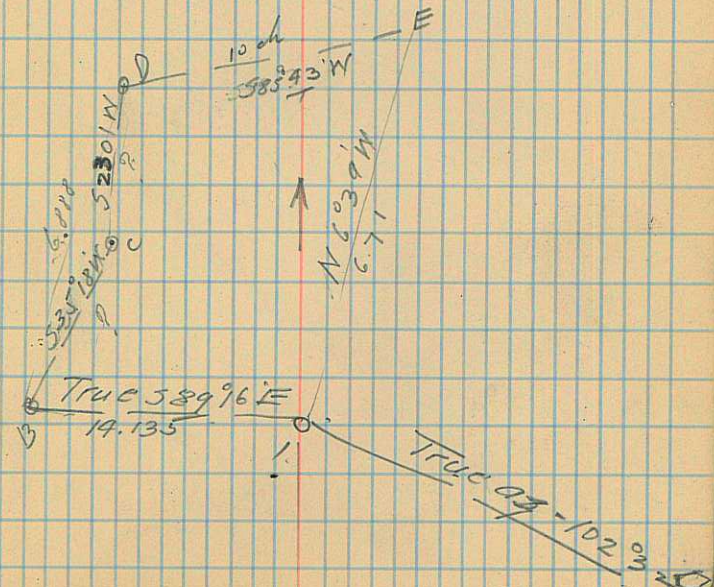
BS FS HI

3.12

Worley and Nelson 52
April 17, 1914

on ∅ nail in pole

2705-4

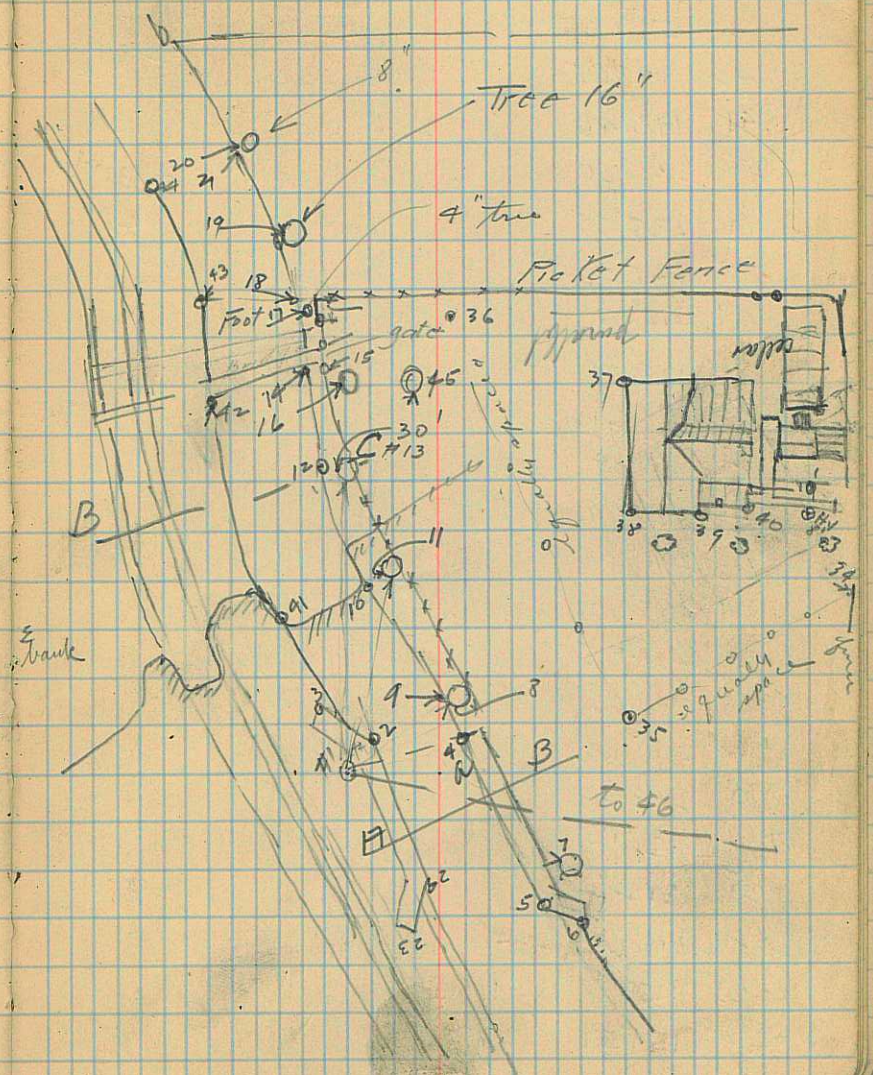

10 ch
S83°43'W
E
D
S30°W
N6°39'W
6.71
C
B
True S89°16'E
19.135
A
True 103°30'E

Survey for John W. Garr. Millbrook 4/23/14

X-Pt	Az. from S. pt.	Dist	
21	156°37'	105.8	
20	157°00'	106	
19	159°14'	77	Canal bank 6" west
18	159°05'	70.8	E bank canal
17	160°36'	64.4	
16	164°55'	44.8	
15	162°50'	48'	N. edge 5 post small gat.
14	158°55'	48	
13	164°30'	30	
12	162°44'	29.5	
11	184°	15.6	
10	181°22'	14.7	
9	223°15'	9.6	
8	223°15'	10	
7	282°31'	21	
6	290°57'	24.5	
5	2[illegible]°27'	22.25	
4	250°40'	10.3	
3	165°42'	2.2	
2	217°16'	2.1	
1			

a-b vertical bank

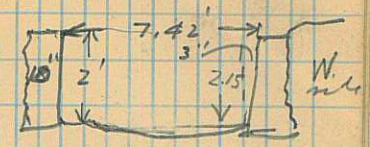
Used meridian bear 2° E ±



K-84	Azimuth Sight	Dist	Stadia L	C	D
45	180°45'		3		3.44
44	151°16'		5		6.07
43	151°15'		4.		4.74
42	149°05'		5.		5.48
41	143°46'		5.0		5.185
40	240°26		3.0		3.82
39	235°55		3		3.68
38	229°23		3.0		3.56
37	212°28		3.0		3.70
36	194°40		4.0		4.7
35	243°21		4.		4.264
34	261°14		4		4.99
33	290°49'		4.		4.81
32	290°49'		4.		4.51
31	295°37		5.		5.35
30	294°5'		4.		486
29	289°13'		5.00		6.13
28	290°10		5.00		6.13
27	294°22'		3.00		4.24
26	301°13'		3.00		3.88
25	312°		5.00		5.33
24	308°19	122-106.8			
-23	315°6'	126-106.3			
-K22	157°51	227.5'			

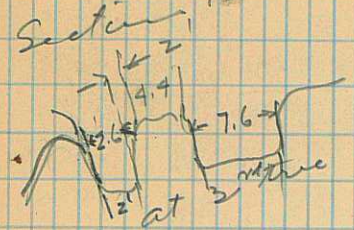
58

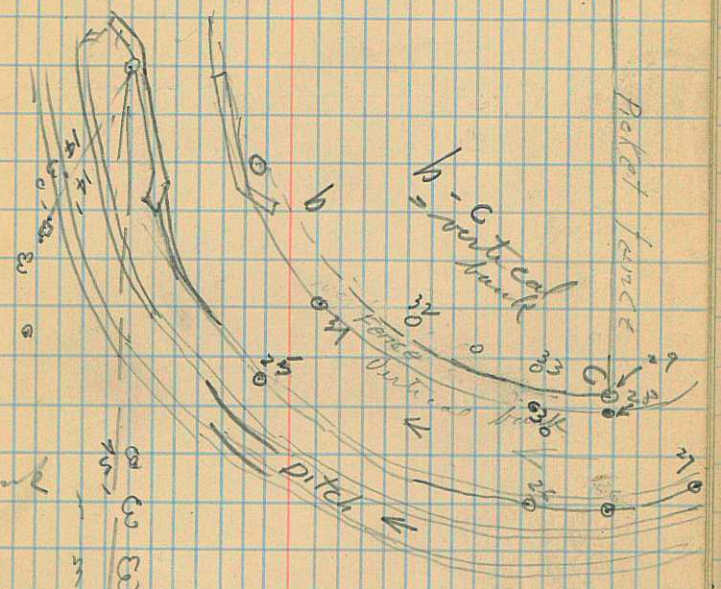
Section on line A-B



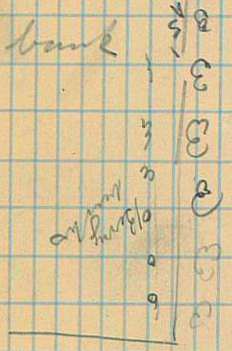
B-C

Section at

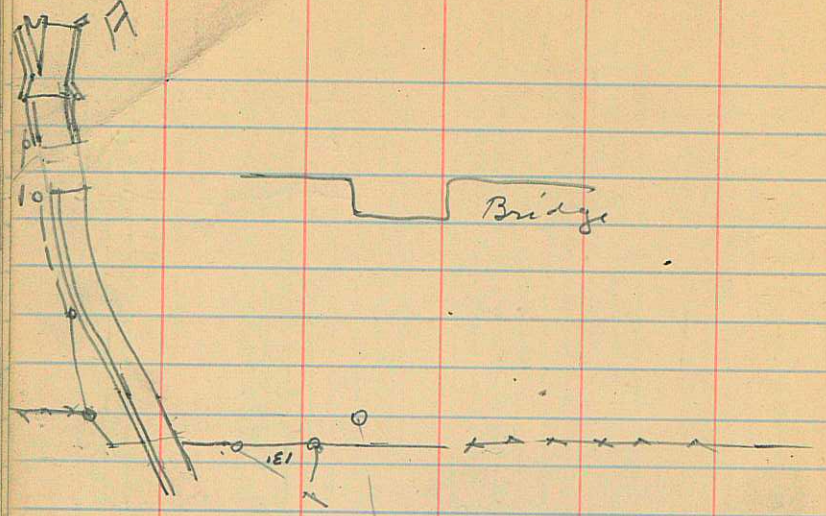


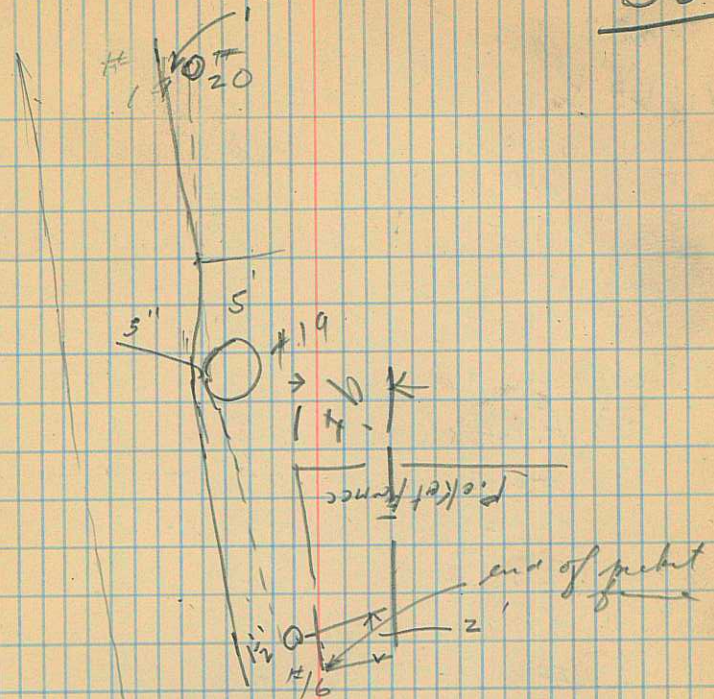


B bank



N 22°09W

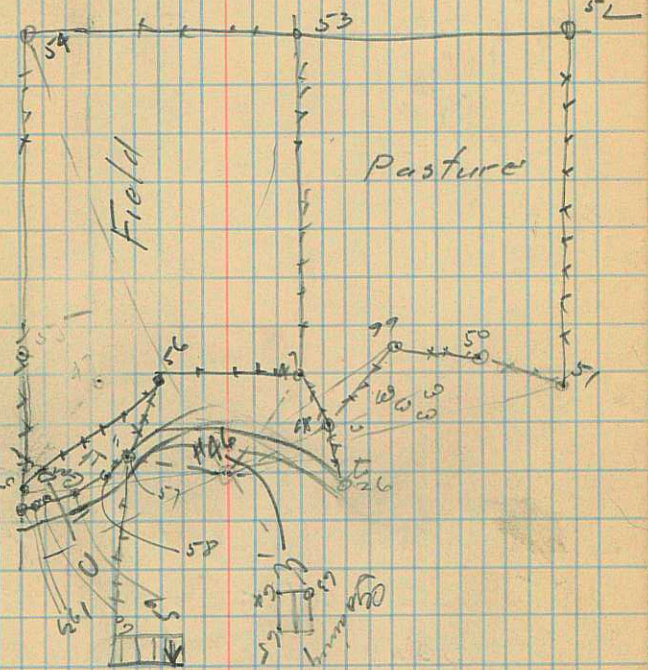

A
10
Bridge
13'


#20
5'
3'
#19
#18
#17
#16
Pole fence
end of packet
2'
1½'

T-Pt	Sight	Dist	K	Slope c	d
69	179°30'		3		4.09
68	209°32		4		4.82
67	196		3		3.72
66	193°50		3		3.81
65	163°35		3		3.51
64	158°49		3		3.37
63	143°41		2		2.42
62	240°35		4		5.81
61	238°41		3		4.61
60	237		3		4.33
59	237°13'		3		4.1
58	240°55'		3		3.9
57	253°15'		4		4.56
56	288°38		6		6.59
55	264°38		4		5.58
54	337°55		2		6.14
53	6°42'		3		6.90
52	30°06'		3	5.25	
51	54°18		3.0		5.57
50	53°56'		2.02		4.1
49	45°47'		5.		6.28
48	53°28		5.		5.92
47	37°28		5.		5.66
46-					
T46	275°16'		5.		6.62

62

SW " " mile or duck house 62 57.

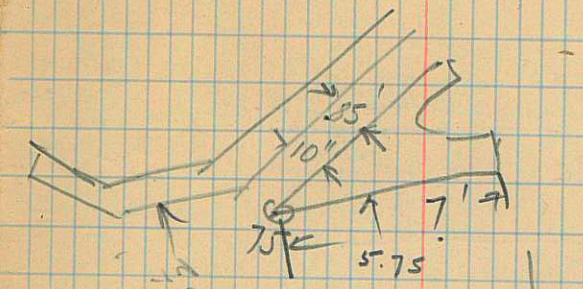


Sta.	Az from Spt	Dist	L	C	R
78	278°49			Cor.	
75	105°23	29.2		diam	
77	53°41		6	℄	6.215
76	343°28		5.2		5.99
74	343°43		4		4.83
73	315°13	109.8'			
72	306°05		3		5.2
22					
70	179°13		3		4.52
71	191°55		4.		5.12

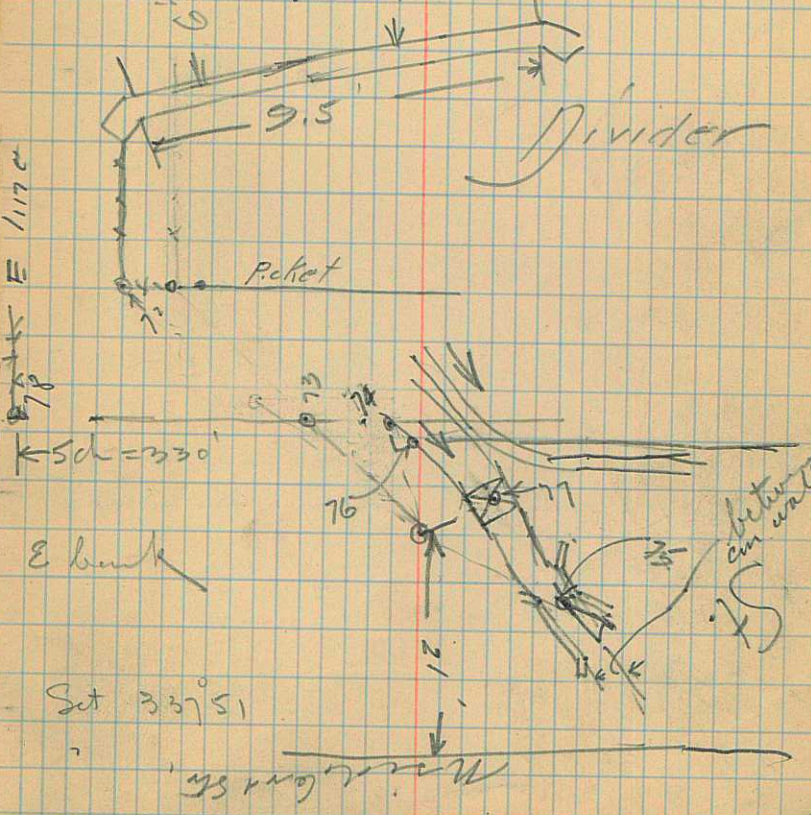
6 ↙

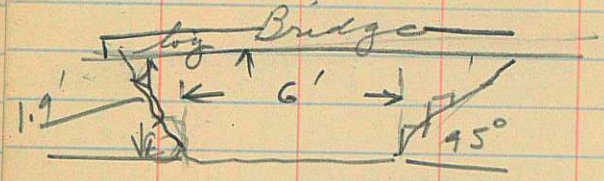
360 − 157°51

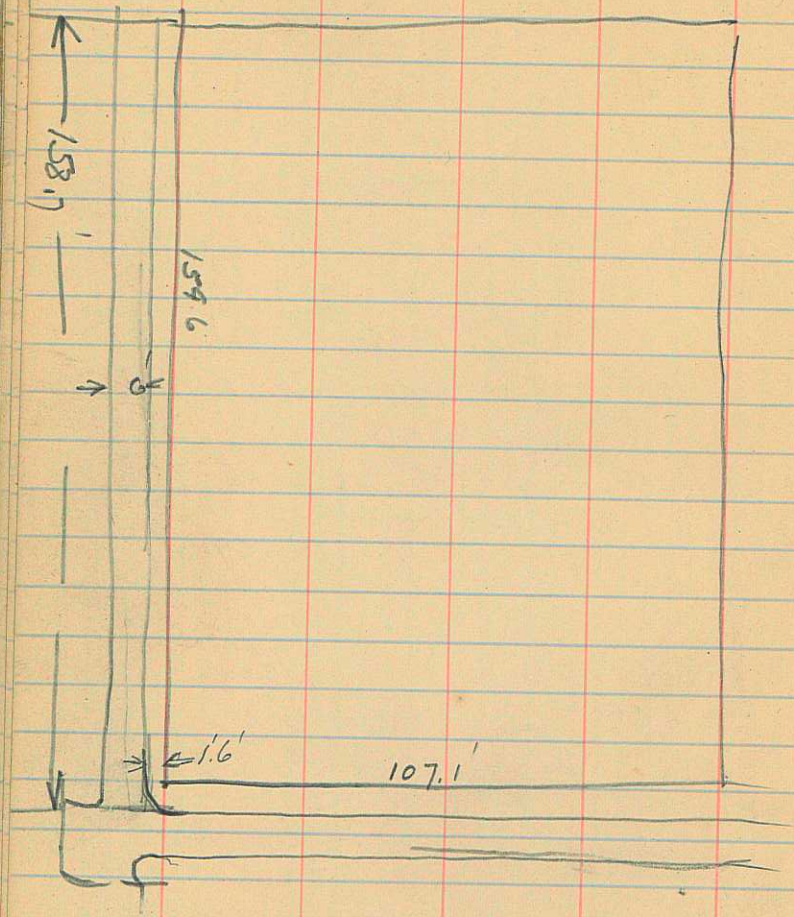
360 − (180 + 57) 180 0 0
15 7 5 1
3 3 7 5 1
1 7 9 6 0
1 5 7 5 1
2 2 0 9



E 1117 ↙



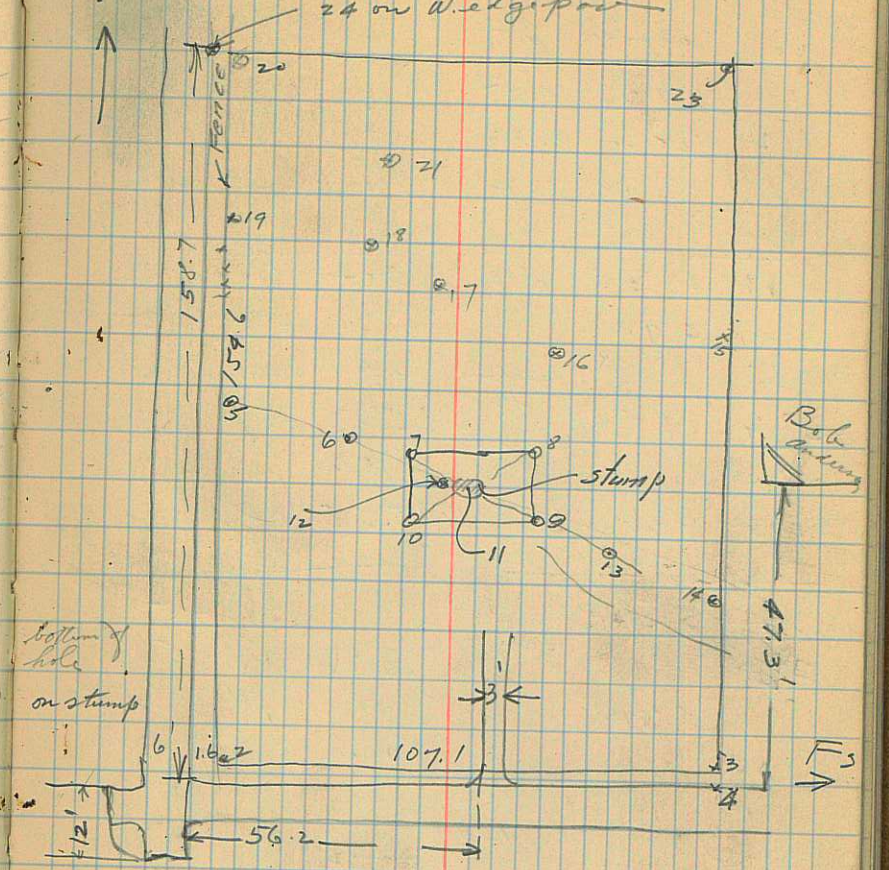

top
Bridge
1.9'
6'
45°


1.85'
1.6'
107.1'

Π-Pt	FS to Depot angle from S. Edge C.St. pab.	Stadia L	C	J	Dist
24	269°52'		5.05	5.79	100.03
23	305°14'	5.81	6.75		98.33
22	291°37'	5.89	6.60		98.48
21	282°32	5.95	663		98.45
20	271°09		5.88	6.53	99.20
19	271°48	5.30	5.88		99.20
18	282°30	5.88	6.45		98.63
17	293°51'	5.57	6.16		98.94
16	305°24'	5.36	5.96		99.17
15	317°53	6.37	7.04		98.04
14	338°47'	5.83	6.47		98.66
13	330°17'	5.08	5.53		99.55
12	304°	10.20	10.59	bottom of hole on stump	94.49
11	306°15'	6.645	7.04		98.04
10	303 58		4.45	4.762	100.63
9	319°19'		5.34	5.74	99.74
8	311°14'		4.18	4.64	100.90
7	297°01'		3.68	4.07	101.40
6	288°44	5.14	5.49		99.59
5	272°09	5.13	5.48		99.60
4	0		5.87		99.21
3	357°30	5.79	6.33		98.75
2			5.25		99.83
1				HI 5.08	

Survey of sm. Tracts Lot
April 23-1914
West.

24 on W. edge of road



HI 5.08

Pipe	Coating	fut.
3	3 7/16	0.28
2 1/2	2 3/4	0.26
2	2 1/2	0.21

Sta	BS	FS	—	Elev	HI
#33	4.98			200.45	205.43
A258		~~3.9~~	3.91	201.51	
B64			5.07	200.36	
-00			4.80		
B133½			5.55	199.88	

#33	3.56			200.45	
AL			5.36	198.65	
				19621	
F180			7.62		
AL			~~7.94~~		
F180			7.94		
			7.30		
			7.00		
			6.7		

200.45 / 4.98 / 205.43 / 3.91 / 201.52

205.43 / 200.36 / 5.07

205.43 / 199.88 / 5.55

top pipe
on branch pipe from -B64

5.15

200.45 / 204.01 / +198.65 / 5.36

204.01 / +196.21 / 7.80

HI 5.63

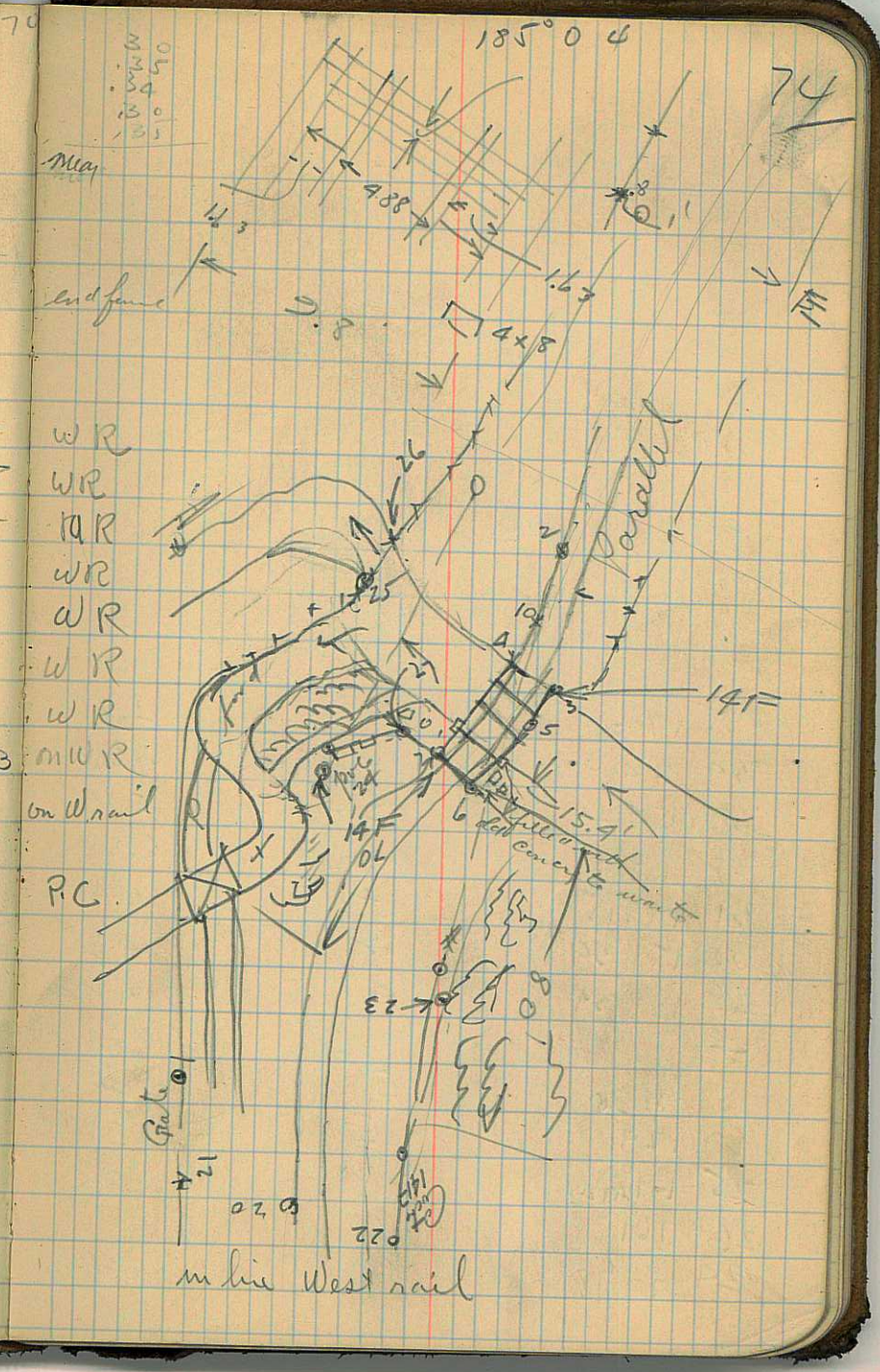
~~21~~ 5 200.15 / 200.36

5.07 / 199.6 / 28 / 5.80 / .27

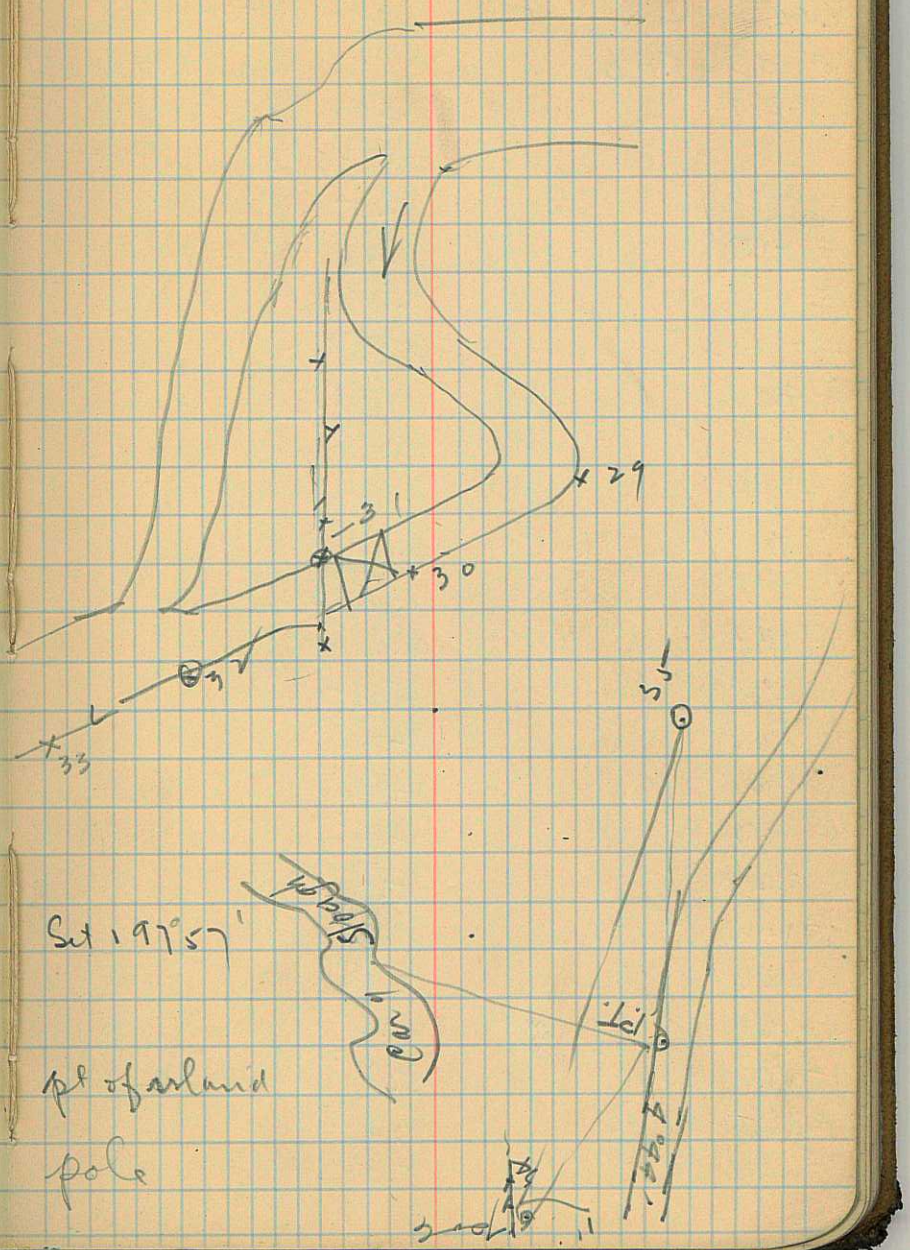
198.4 / 21 / 196.21

Survey for
Bundy April 30 - 1914
Slade

A-Pt	Spt	Chord	L	C	J
23	2°08'		4		4.17
22	18°31		4		5.43
21	38°40'		5.19		7.00
A.20	17 57		3		6.26
19	18°38'		2		5.08
18	19°53		1		3.75
17	21°12		1		3.4
16	22°49		1		2.98
15	25°05		1		2.33
14	27°49		1		1.7
13	176°09		1		1.303
12	185°14		1		1.72
11	193°35		5		6.31
10	186°18		2		3.3
9	186°15'		1		965
8	180°19		2		5.7
7	131°20'	13.6			
6	175°	6.75			
5	190°47°	45.2			
4	182°45	66			
3	191°	64.8			
2	186°16				
1					



	Λ-p	Q fm S. pt	Slope Int	L	C	J
35	184°39		2		2.96	
34	31°40		5		5.68	
33	155°20		3		5.19	
32	165°40'		4		6.28	
31	177°15		4		6.45	
30	181°39		2		4.36	
29	188°34		2		4.46	
20Λ						
28	94°30		5		5.32	
27	129°		5		5.19	
25	~~71~~ 141°20'		3		3.82	
26	161°		4		4.93	
24	77°18		6		6.32	



Temple Level
May 4-1914

Sta.	BS	FS	HI	Elc
#33	5.03			200.45 − 205.48
A1			678.21	198.7
Top pin			6.57	
rebar on A1			6.500	
			.0547	
A1+10			6.4453	
			.0547	
A20			6.3906	
A+30			.0547	
			6.3359	
A40			.0547	
			6.2812	
A50			.0547	
			6.2265	
A+60			.0547	
			6.1718	
A70			.0547	
			6.1171	
A80			.0547	
			6.0624	
A90			.0547	
			6.0077	
A90			5.9500	
			.0547	
A100			5.8953	
			.0547	
A110			5.8406	
			.0547	
A120			5.7859	
			.0547	
A130			5.7312	
			.0547	
A140			5.6765	
			.0547	
A150			5.6218	
			.0547	
A160			5.5671	
			.0547	
A170			5.5124	
			.0547	
A180			5.4577	
			.0547	
A190			5.4030	✓

.0547 of 10

78

20.45
5.03
205.48
198.7
6.78

Sta	BS	FS	HI
A190			5.4030
A200			0547
			5.3483
A210			0547
			5.2936
A220			0547
			5.2389
A230			0547
			5.1842
A238 240			0547
			5.1295 ✓
A250			0371
			5.1556
A260			0371
			5.1937
A270			0371
			5.2308
A280			0371
			5.2679
A290			0371
			5.3050
A300			0371
			5.3421
A310			0371
			5.3792
A320			0371
			5.4163
A330			0371
			5.4534
A340			0371 ✓
			5.4905
A354 27			0371 — *
381			5.5500
398			1
			5.6500
			036
			5.640
A398			036
			5.604
A408			036
			5.558
A418			036
			5.522
A428			036
438			5.486
448			036
			5.450
			036
			5.414

2(21 105 0735 .030) C2 1

1.5 (12 .125 615 75)

C5 3 195 200

205.98 5.12 200 .34 21 .15 398 20 378

.00371 27 2597 742 .10.017

.00371 36 2226 1113 .1335 C

.00371 36 3226 1113 .20115 C

80

5.42 .13 5.555

354 318 36

21

.21

division

— .371

614 .03

5.42 21 5.63

.362 — —

5.11 5.64 — 1 .53

Rec 2 × 1½ × 2½

5.55 .037 5.587 .037 5.624

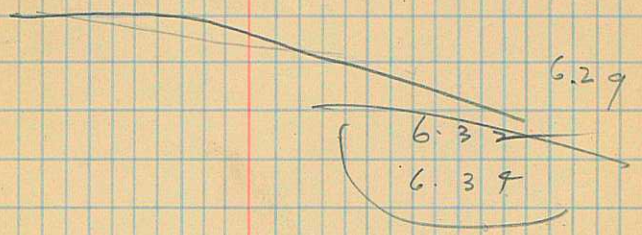
5.414
.036
5.378

	BS	FS	HI
4+58			5.378
4+68			.036
4+78			5.342
			.036
			5.306

6095

5.75
5.88

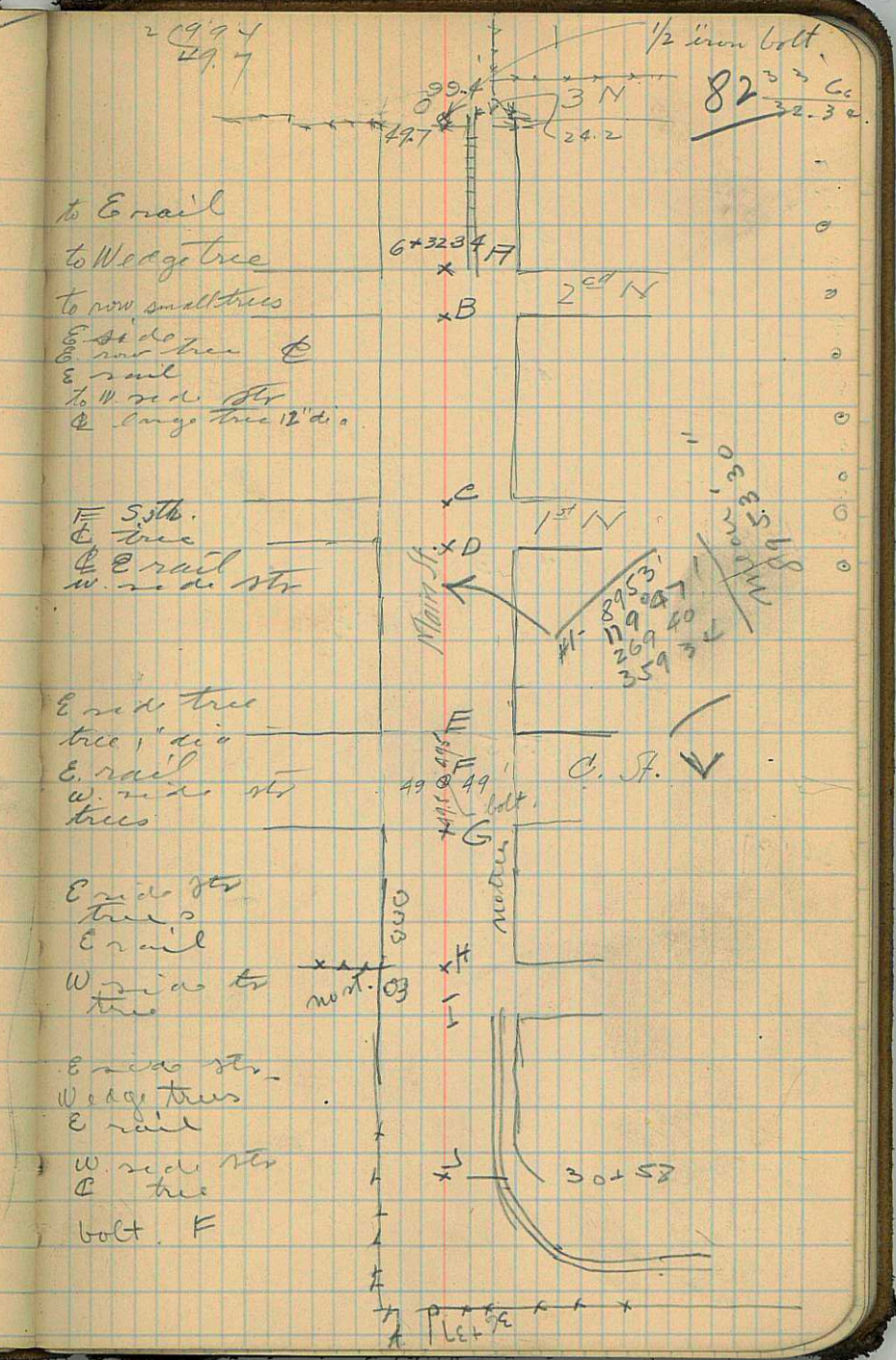
5.83



24.2

Hyde Park

Pt.	Sta & Dist	Project distance E	W
	0	25.5	
A	6+32.4	37.5	38
		38.5	
		25.2	
			49.3
			36.
B	9+31.7		
		50.6	
		38.4	
		24.95	
			49.8
			39.6
C	13+58		
		49.7	
		36.3	
		24.65	
			50.1
			36.7
D	14+57		
		50.0	
		35.5	
		24.85	
			49.76
			36.76
E	20+86		
		49.0	
		34.0	
		24.3	
			48.8
			36.3
	21+35.8		



notes down

Pt Sta	Line West	Left E	Left W
G 21+85.5			
		48.8	
		24.2	
			50.1
			36.2
H 28+13			
		48.7	
		23.7	
			57.3
			41.8
I 29+09			
		47.3	
		23.6	
			52.0
			40.9
35+37			
		55.5	S
			61.7
36+37			

2003
104
76.3

189.3
93
96.3

58

81

E side ditch
E rail
& trees

no trees
E rail
W rail
& trees

E side ditch
W side ditch
& trees

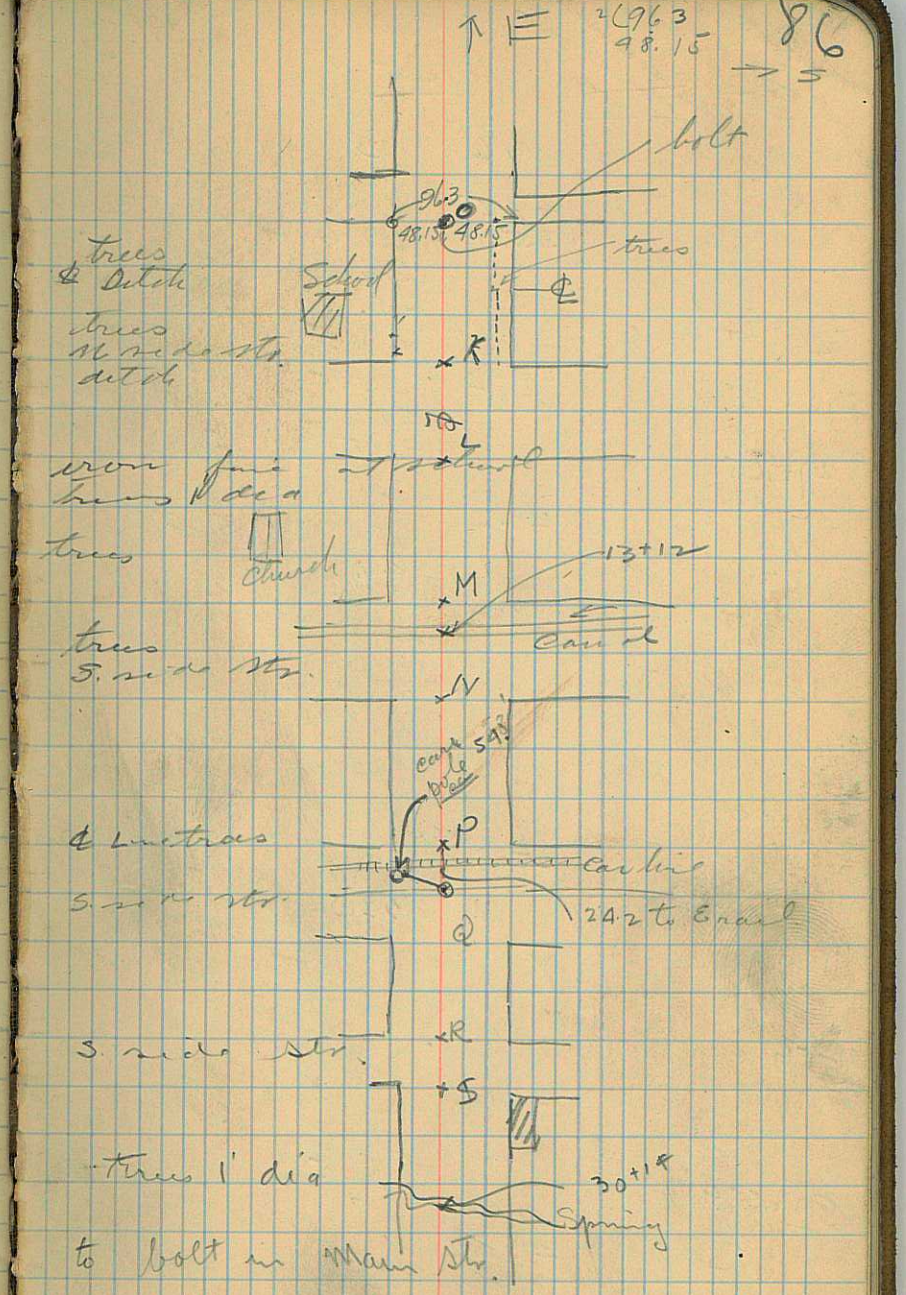
E side fair down
no trees

to S side E+W field ditch.

Center St in 5/5/14
West Hyde Park

Pt	Sta	Line	W	E	S
	0				
			~~47.15~~	48.15	
			~~39.2~~	39.2	
			~~31.2~~	31.2	
			39.00		
			48.15		
			31.4		
K	5+95				
			48.8		
			35.		
				47.3	
				37	
L	6+95				
			49.0		
			35.3		
				48.00	
				~~33.7~~ 0	
				t	
M	12+88.6				
			49.7		
			35.7		
				49.0	
				34.	
N	13+87				
			~~49.5~~		
			49.8		
			41.5		
				48.7	
				35.5	
P	19+80.6				
			49.7		
			36.6		
				49.6	
				36.7	
	20+29.9				

86



Sta	~~Line~~ Hunt	Hunt N	Hunt S
20+80		49.5 35.0	
			49.3 35.6
R 26+74			
		50.00 37.5	
			47.6 40.5
27+76.5			
		40.3	
			47.
32+00			
		35.8	
			32.0
46+00			
51+60			
		41.0	
			29.85 29.25
52+55.4			
		41.5	
			23.3

55.4

88°

R 3.3
4 1 5
2 6 4.8
3 2 8
2 3 3
9.5

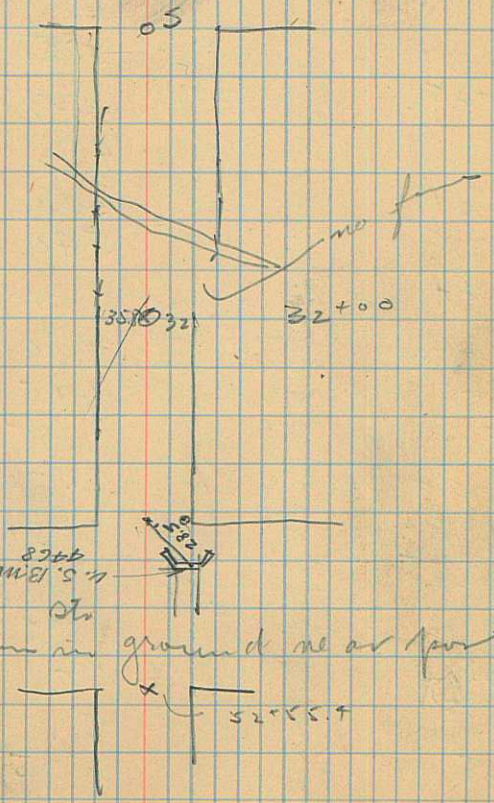
Round pt.

S. side Sh.

Round pt
trees

18" trees shoulders

To Barn

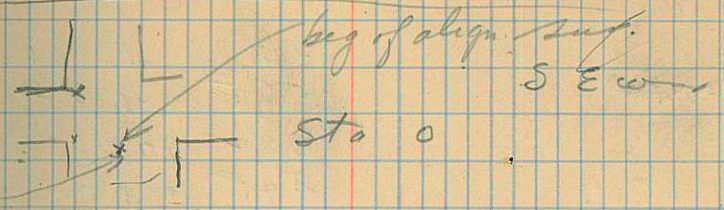


pine 15 min to
a pipe drum in ground near point

Levels for profile 5/5/1K Hyde Park

Sta	BS	FS	HI	Elev	
⊗					
			4.00	99.33	✓
			4.32	99.01	✓
			4.45	98.88	✓
0			2.45	100.88	✓
1+00			2.95	100.38	✓
1+00 st.			4.75	98.58	✓
2+00			3.70	99.63	✓
2 st			5.5	97.83	✓
2+25			3.33	100.000	103.33 on Hedge foot walk ± FT Ballam
3+			4.70	98.63	✓
3 st.			6.60	96.73	✓
4			5.40	97.93	✓
4 st.			7.30	96.03	✓
4 opp			7.80	95.53	✓
5			6.00	97.33	✓
5 st			7.7	95.63	✓
6			6.5	96.83	✓
6 st			8.3	95.03	✓
6+35.5		6.75		96.58	✓ SW cor block
	3.00			99.58	
6+35 ⊗ st			4.5	95.08	✓
6+35 opp			5.1	94.48	✓
6+35			3.55	96.03	✓ on nail

Beg. at NW cor. intersection 3rd N & main



Sta	BS	FS	HI	Ele	
7			3.3	96.28 ✓	
7+33.7 app			5.65	93.93 ✓	NE cor of block.
7+33.9			3.8 ✓	95.76 ✓	NW " " "
7+33.9 ot.			4.75	94.83 ✓	
8+			3.55	96.03 ✓	
8 ot			5.30	94.28 ✓	
9			3.70	95.88 ✓	
9 ot			5.60	93.98 ✓	
10+			4.4	95.18 ✓	
10 ot			6.5	93.08 ✓	
11			4.25	95.33 ✓	
11 ot			6. ✓	93.38 ✓	
11 opp			6.6	92.98 ✓	
12			3.9	95.68 ✓	
12 ot			5.7	93.88 ✓	
13			4.15	95.43 ✓	
13 ot			6.25	93.33 ✓	
13+59.6		4.36		95.22 ✓	SE cor block
	4.695			99.915	
13+59 ot			6.0	93.91 ✓	
13+59			4.65	95.26 ✓	Rail
13+59 opp			7.00	92.91 ✓	
14			4.4	95.51 ✓	
14+58.7 bp			7.	92.91 ✓	
11 walk			4.5	95.41 ✓	NW cor block

16 00
63
15+37

	BS	FS	ht		
14+58 st			6.2	93.71	✓
15+00			3.2	96.71	✓
15 st			6.00	93.91	✓
15+45			2.45	97.46	✓
16+00			4.00	95.91	✓
15+37			2.27	97.64	✓
16 st			6.20	93.71	✓
16+38			3.75	96.16	✓
17			3.68	96.23	✓
17+03.2			3.44	96.47	✓
17 st			6.34	93.57	✓
17 rail			4.93	94.98	✓
17+38.1			2.78	97.13	✓
17+49.5			2.13	97.78	✓
18			4.15	95.76	✓
18 st			6.1	93.81	✓
18 app.			7.1	92.81	✓
19			4.8	95.11	✓
19 st			6.9	93.01	✓
20			6.4	93.51	✓
20 st			8.5	91.41	✓
20+87.9		8.536		91.379	✓
	0.320				91.699
20+87 approx		✓	0.87	90.83	✓✓
			1.15	90.55	✓

Transmitter runs both N & S

S side foot walk to house

N edge foot cement walk

Cement foot walk to house

on rail

on N end this platform

on this door sill or floor line

(20+86 app. ctr line)

SW on block church cor

Point A on pole near church cor

on rail

21+00	0.7	91.00 ✓
20+87 ℄	2.25	89.45 ✓
20+87 opp	3.0	88.70 ✓
21+86.7	1.95	89.75 ✓
21+86.7 opp.	4.15	87.55 ✓
22	2.2	89.48 ✓
21+86.7 ℄	3.60	88.10 ✓
23	3.80	87.90 ✓
23 ℄	5.8	85.9 ✓
24	5.6	86.1 ✓
24 ℄	7.3	84.4 ✓
25	6.6	85.1 ✓
25 ℄	7.5	84.2 ✓
25 opp.	8.65	83.05 ✓
26	7.5	84.2 ✓
26 ℄	9.6	82.1 ✓
27	8.8	82.9 ✓
27 ℄	11.0	80.70 ✓
28	10.8	80.90 ✓
28 ℄	13.0	78.70 ✓
28+13.2 ✓	11.13	80.569 ✓
	4.406	84.975
29+10.2	7.08	77.89 ✓
29+10.2 ✓	6.0	78.97 ✓
29	6.85	78.12 ✓

SW cor block

SW cor block Main # 1 Sta.

SW cor can be ranged on [illegible]

Levels. Garry East

Sta	BS	FS	Chm	Elev	H.I.
0 opp			10.5	689.5	
0			11.3	68.15	
+64			8.90	70.55	
1+00 opp.			9.2	70.25	
1			8.6	70.83	
1 st			8.6	70.85	
2			9.8	79.65	
2 st			5.2	79.25	
3			2.1	77.35	
3 st			3.2	76.25	
4		0.35			79.45
	10.86			79.10	89.96
4 st			10.8	79.16	
4 opp			10.5	79.46	
4+49			8.8	81.16	
"			5.93	84.03	
5			7.1	82.86	
5 st			8.2	81.76	
5+67.3			4.83	85.13	
5+67			5.10	84.86	
6			4.3	85.66	
6 st			5.7	84.26	
6+97			1.26	88.70	
6+97 st			2.4	87.56	

up Monde Centre
St. from Center +1 West

98

SE cor. Reuders old place
Bm on large rock near corner

SW cor block

on walk (ground)

opp Bus Hydrant Schumacher
on " " first step

Center Jno Luis Cement foot walk
on ground

SE cor block Jno Luis Cor

Going East
on Main Cent

Sta	BS	FS	int	Elev	HI	
7			1.2	88.76		
		1.267		88.69	89.957	
	11.72			88.69	100.41	
			9.58	90.83	100.410	on Bm #7 on pole
7+95			9.0	91.41		
7+75 st			9.3	91.11		
8			8.75	91.66		
9			5.3	95.11		
9 st			6.5	93.91		
10			2.15	98.26		
10 st			3.5	96.91		
		0.61		99.80		
	11.65				111.45	
11 st			10.35	101.10		
11			9.56	101.89		
11 opp			10.6	100.85		
11+70.5			6.08	105.37		Center of W. Tollet's cement footwalk
11+70			6.6	104.85		
12			5.5	105.95		
12 st			6.6	104.85		
13			0.90	110.55		
		0.385		111.065		
	10.41				121.475	
13 st			12.	109.27		

Cents 27.

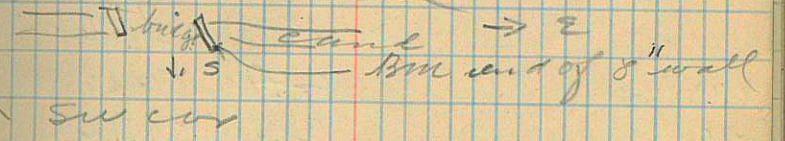
Sta	BS	FS	HI	
13+88.5			7.05	114.42
13+88 st			8.3	113.17
14			6.2	115.27
13+88 opp			8.5	112.97
"			6.6	114.87
14+65			3.25	118.22
"			6.90	114.57
BM. B			2.64	118.83
14+87.3			2.1	119.37
14+87 opp			3.25	118.22
14+87 st			1.5	119.97
15			1.9	119.57
		0.665		120.815
	12.35			133.160
16			9.	123.95
16 st			9.9	123.25
17 st			6.9	126.26
17			5.0	128.16
18		0.64		132.52
	12.89			145.41
18 st			14.0	131.41
19			8.7	136.71
19 st			9.5	135.91
19 opp			10.4	135.01

SE cor Block

5 in ctr. 1 E

Center canal on foot bridge

bottom canal



Sta	BS	FS	HI	Elev	
20			4.0	141.40 ✓	
20 st			4.25	141.16 ✓	
		1.25		144.160	
	11.90				156.060
20+81			9.1	146.96 ✓	SE cor block
20+81 opp			10.4	145.66 ✓	
20+81 st			8.6	147.46 ✓	
21			8.3	147.76 ✓	
BM			~~2.80~~	153.26 ✓	Center of pavement foot walk from Hyde Park 2 blocks about 60' SE of SE cor of block
21+80			3.9	152.16 ✓	
21+80 opp			5.6	150.46 ✓	
21+80 st			4.8	151.26 ✓	
22			3.0	153.06 ✓	
		0.20		155.86 ✓	
	12.04				167.900
23			11.5	156.4 ✓	
23 st			12.2	155.70 ✓	
24			6.9	161.00 ✓	
24 st			7.6	160.30 ✓	
25			1.3	166.60 ✓	
25 st			1.3	166.60 ✓	
	11.78	0.06		167.84	179.62 ✓
25+09			11.80	167.82 ✓	On Cement foot walk to Chas Ashcroft
25 opp			10.70	168.92 ✓	
26			8.1	171.52 ✓	

Center St.

going East

St	BS	FS	Elev	
26 st		9.35	170.27	
27		4.00	175.6	
East		5.00	174.6	
27+76		0.30	179.32	at S E corner on curb
27+76 app	~~3.0~~	2.0	177.6	
27+76 st		2.0	177.6	
	6.22	0.070	179.550	185.77 at S E corner
BM		1.74	184.03	On nail driven in cotton wood at the near cor of block & across the street from st 27+76
		2.	183.57	on walk near above cor. cor

7 3 / 8 1

m + 1st M
SW cor
Rais 0.4

~~number~~ NW cor
raise 0.3

BS	FS	inst	Ele	HI
0.75				100.75
		0.1	100.65	
	1.8		98.95	
	~~X~~		~~4~~	
	2		98.75	
	~~1.8~~			

Merge: FT Ballast walk
on Rail in line N side of
of Block 5 abt 3 M

on post about 81' E of SW cor
of Block 2 M + 1M in
in ground

Iron SW cor Block
2M + Main 0.1
on ground

Levels on Idyll Park 5/6/14

Sta	BS	FS	int	Elev	HI
0 opp			8.1	77.39	85.47
0 st			8.9	76.57	
0			8.3	77.17	
1+00			6.2	79.27	
1 st			7.2	78.27	
2			3.8	81.67	
2 st			4.8	80.67	
3			1.9	83.57	
3 st			2.3	83.17	
3 opp			1.6	83.87	
		1.54		83.93	
	11.05				94.98
4 st			9.6	85.38	
4			8.9	86.08	
4+52			8	86.98	
5			6.2	88.78	
5+12			6.2	88.78	
5 st			6.8	88.18	
5+92			2.5	92.48	
6			1.76	93.22	
6 opp			2.5	92.48	
6+45			1.0	93.98	
		0.00		94.98	
	11.88				106.86

On the 5 st ft 1.27 W
beg. on E side ft 1.27 W

110

no benchmark ditch was made

Sta	BS	FS	HI	Elev	HI
Bm			11.19	95.67	
			~~11.85~~		
7			11.1	95.76	
8 at			8.9	97.96	
8			8.0	98.86	
9			5.2	101.66	
9 at			5.9	100.96	
10			1.9	104.96	
10 at			2.5	109.36	
10 opp			1.6	105.26	
		0.00		106.86	
	12.1				118.96
11+00			10	108.96	
11 at			11.6	107.36	
12			6.3	112.66	
12 at			7.5	111.46	
12+20			4.45	114.51	
12+23			6.6	112.36	
12+88.3			2.5	116.96	
12+88.3 opp			3.7	115.26	
13			1.4	117.56	
12+88 at		±	3.4	115.56	
		1.005		117.955	
	12.16				130.115
13+85			10.1	120.01	

Bm nail in pole near the N side of 1st N on Main

Wood foot bridge over Canal on bottom " on centerline of lawn slat

NW cor Church square

Sta	BS	FS	cm	Elev	HI
13+85 2t			10.0	120.11	
0			11.1	119.01	
1+00			7.0	123.11	
1 2t			7.5	127.61	
2			2.6	127.51	
2 2t			3.2	126.91	
		0.60		129.51	
	12.99				142.50
3			10.8	131.70	
3 2t			11.7	130.80	
3 opp			11.7	130.80	
4			6.3	136.2	
4 2t			6.8	135.7	
5			1.8	140.70	
5 2t			2.4	140.10	
5+93.4					
		0.07		142.43	
	7.78				150.210.
5+93.9 opp			4.9	145.31	
5+93.4			5.5	144.71	
			0.7	149.51	
			1.1	149.11	

11.4

This is on the N side of 1st N
on the E side of 1st E

On the N side 1st N opp church

Cor of block

NE cor Church block

1st E
1st N
5 NW cor blk.

S.E. cor of block about Sta 6+93

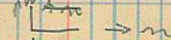
Going N from the West side of 2 E between 1 & 2 N

Sta	BS	FS	HI	Elev	
1 at				3.60	146.61 ✓
1				5.30	144.91 ✓
1 at				4.8	145.41 ✓
2				6.00	144.21 ✓
3				7.6	142.61 ✓
3 opp.				1.2	149.01 ✓
3+03				8.6	141.61 ✓
4+		9.55			140.66 ✓
4+	3.12 ✓		143.78 ✓		
5				3.8	139.98 ✓
5 at				2. ✓	141.58
6+24 opp				1.6	142.18 ✓
6				4.6	139.18 ✓
6+24				4.7	139.08 ✓
				1.4	142.38 ✓
7				4.2 ✓	139.58 ✓
7+17.4				4.4	139.38 ✓
0				4.8	138.98 ✓
+52.5				7.28	136.50 ✓
1				10.	133.78 ✓
1 at				11.6	132.18 ✓

~~at~~ rear walk with

SE cor of intersection

NE cor of block



→ 2 NE cor inter



→ N

Going W on N side 2 N from W side



→ N. 2 E

on ℄ post cement walk to Rear Petersen House

Going W on 2 N
from 2 E

Sta	BS	FS	HI	Elev	H.I.
		10.64		133.14	
	0.50				133.64
2			5.0	128.64	
2 st			5.5	128.14	
3			8.2	125.44	
3 st			9	124.64	
4 st			13.2	120.44	
4	0.54	12.02		121.62	122.16
5			4.1	118.06	
5 st			4.9	117.26	
5+91.3			6.2	115.96	
5+91.3			5.18	116.98	
6			6.7	115.46	
5+91.3 Spp			6.7	115.46	
6+			8.3	113.86	
6+88.2			9.6	112.56	
6+88.2 Spp			10.6	111.56	
7			9.9	112.26	
7+39			12	110.16	
7+37			13.5	108.66	
		12.05		110.11	
	0.16				110.27
8			0.5	109.77	

118 Bert Ashcroft
Hydrant
Dirty Dancer

Going W on 2 N

SW cor of block
Son cement platform
Jones Dance store

2 N
2 E

~~C st. 1st E~~
W side 1st E

On Canal bridge
on bottom Canal

Sta	BS	FS	Inst	Elev	H.I.
8 at			1.8	108.47 ✓	
9			3.7	106.57 ✓	
9 at			9.0	106.27 ✓	
10.			6.9	103.87 ✓	
10 app			6.8	103.47 ✓	
10			6.9	103.37 ✓	
10 at			7.7	102.57 ✓	
10+90.5			8.28	101.99 ✓	
11			8.6	101.67 ✓	
11 at			10.	100.27 ✓	
12			11.	99.27 ✓	
12+10			11.21	99.06 ✓	
12+89					
Bom. B.	4.250			95.67	
			3.41	96.51	
Bom. A		9.09		90.83	99.92

Bottom ditch over Walk

@ foot pave to Rubin Parkes

℄ foot pave to House.
Center Main on 2 M

at 13+85 pave 3M on right 5 from first cement foot walk N of Rus Store

13 | 5 | 9
2 | 6
13 | 8 | 5

Excavation Sur
for Hyde Park

Sta	RP from Sight.	BS	FS	HI	Elev	HI
			down			
BM		5.32			96.15	
20.86				4.64	91.51	
18+30.5		5.03	0.46		95.69	100.72
17+90			4.75		95.97	
17+49.5			3.45		97.27	
			2.88		97.84	
D	2.50		3.00		97.72	
C	2.49					
B	2.23					
A	2.35					
16+89	2.27					
16+86						
17+46.2						
17+49.5	5.89				95.83	
17+90						
18+30.5	2.30				95.28 ✓	
18+56	2.29					
-18+56	+					
18+89.7	2.29					
19+36	2.33					
-19+86	2.16					
20+36	1.8					
20+86					91.50	

on top block

on Lee's floor
under block on mark

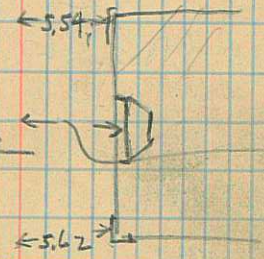
@ Lee's door

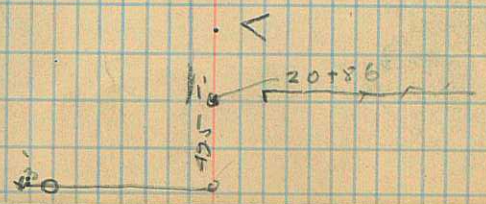
PT

Center curve

PC

95.44 | 122 | 17+86 | 19+86 | 98.3 | 97.3 | 1746.2 | 1800.5 | 2086 | 1790 | 3397 | 4895 | 1689 | 1839.5 | 1740.5 | 1749.5 | 90.83 | 1732 | 2086 | 2555 | 95.15 | 2564 | 1830.5 | 91.51 | 1886 | 1796 | 2086 | 2296 | 1790 | 1786 | 1749.5 | 36.5





Sta	HI	RR.	Elc HI
D		4.16	
17+49.5	5.00	~~4.16~~	97.27
C		3-36	
B		4.56	
A		5.36	
16+89		5.51	
18+30.	4.92		
20+86		5.33 ✓	
20+36		3.70	
19+86		3.4	
19+36		3.46	
18+86		3.30	
18+30		4.1	

121

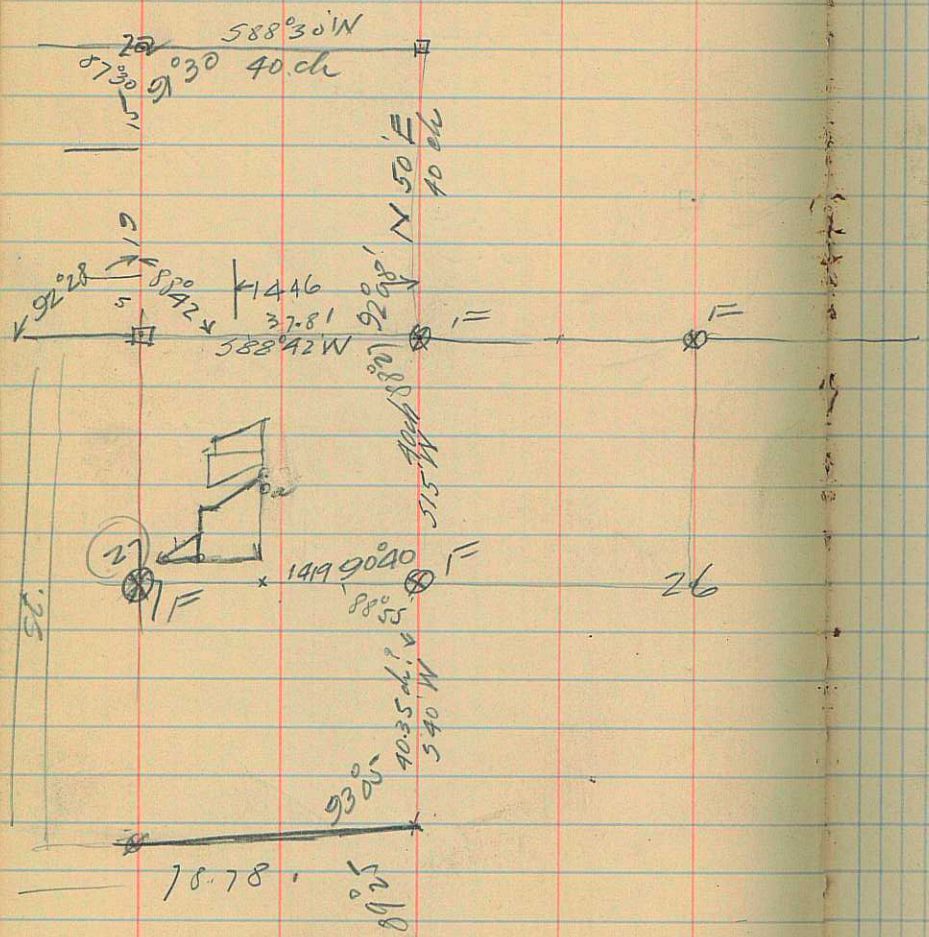
97.71
95.43
2.28

add 1.45
6.45
2 28
4.16

95.69
95.28
41

P.C. 4.92
.41
5.33

⊗ found



a beg 14.19 W 13.20 N
of SE cor of NE¼ sec
27
N 70°39' E

126

M

log cos 35° = T 91.3365
log 36.8 = 1.565848
1.479213
Log 2619 3.418135
log 2.061078

angle = 39' 34'

40

Sin 55° / AB = sin 89°22 / 36.8

B = 90°38

log 36.8 = 1.565848
log sin 55° T.91336 5
1.479213
log sin 89°22 T.999973
1.479186 = 30.1

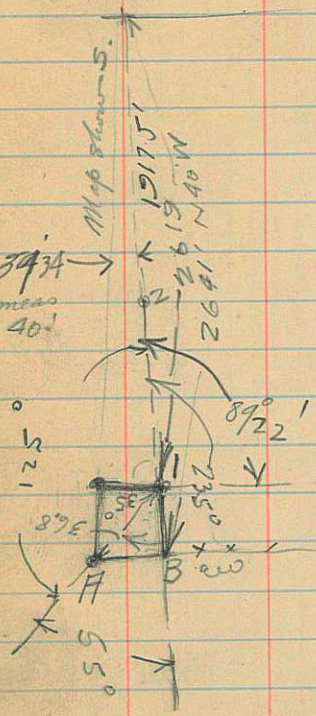
AB = 30.1

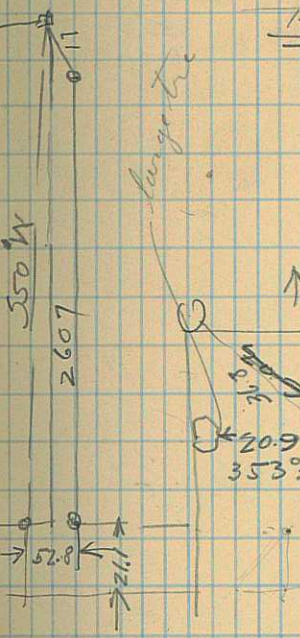
N 88°42 E
N 88°42 E

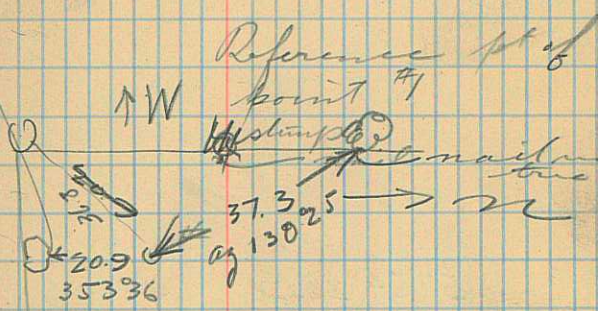
Sin 35° / AB = sin 89°22 / 36.8

log 36.8 = 1.565848
log sin 35° = T.758591
1.324439

21.1







Survey for Farmers Union

	Pt	Sight	Dist.	Needle Bearing
		359°54	2607	S 6' E
E'ly	2	143°33	17	
3-				
~~2567~~	Stake	359°44	2562'	
E'ly	2	193°23	17'	
3-		~~143°23~~	+7	
			2649.5	
Stake			2602	
Stake			2645.5	
Stake			1019.5	
Stake		268°42	800'	N 88°42 E
1				

37 81 | 30
66

2268.4
2268
2495.46
1414.2
1081.26
30
1019.46

2562
45
2607

{to intersection with line parallel N line of sec. 27

down E line

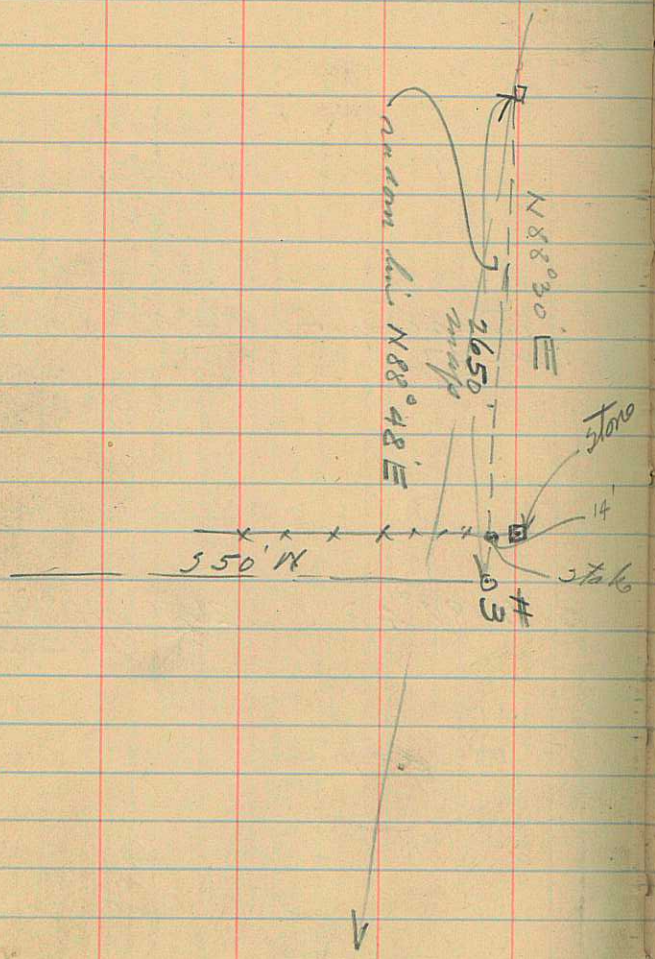
Set 88°48'. {2650' N 88°48' E of the Cor to sec 22

to intersection

Set 179°20' F S to 2 see sketch

Beg at E¼ cor 22.

Dist	Bear	Dep W	Dep E	Lat N	Lat S
17	S 36° 27' E		10.10		13.70
2607	S 6° E		456	2607	
			14.66		2620.70



17960
14328
3627

log 14 = 1.146128
Δ 2640 = 3.421604
3.724524
log 18947
5527,
18

291
1

5939 .804
1.7
41593 56284
59399 8042
10.0963 13.6684

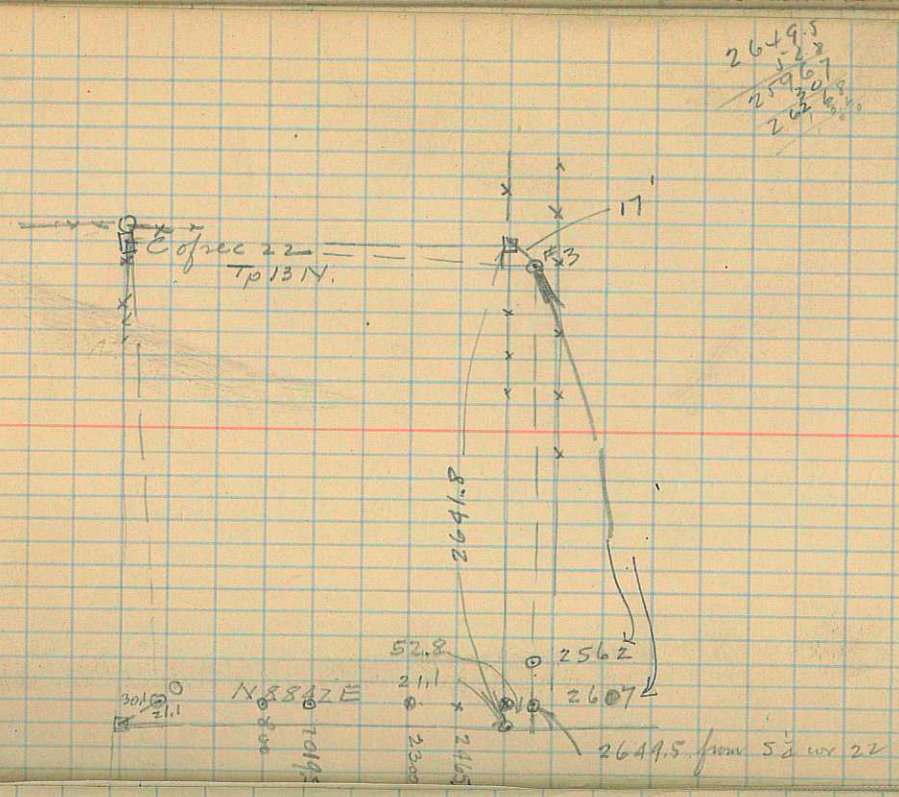
0.1455
26206
29106
8730
29106
38.1210
1466
52.78

2607
.0017
18249
18249
2607
4.5622

2607
14
2621

2562
45
2607
2602
47.5
2649.5

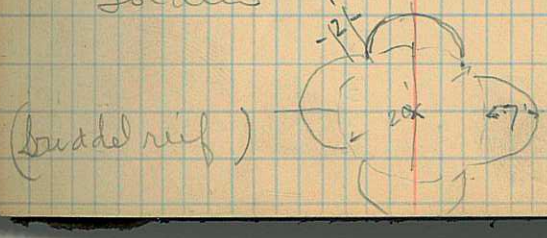
137


E of sec 22
T 13 N.
17
2641.8
52.8
21.1
2562
2607
2649.5 from S¼ cor 22
1X884ZE
1014
2115
2300

Final note on the Temple Grounds
6/10/12

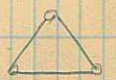
T-Pt	Az from OS	West	L	Stadia C	D
1-					
	215°	4'			
	112°30'		5		5.37
	131°50		5		5.50
	140°18		3		4.12
	121°43		3		4.63
	86°12		3		4.16
	76°42		4		5.15
	97°00'		5		5.72
	149°52'		5		6.1
	173°56		4		4.79
	204°27		4		4.55
	172°35		4		4.63
	173°00'		5		5.29
	223°42'		5		5.25
	294°18'		5		5.45
	317°46'		5		5.77
	348°08		5		5.55
	43°		5		5.55
	26°30'		5		5.68
	~~24°25~~				
	24°25		5		5.245
	53°		5		5.85

Clopp. maple
corks "
Bush Juniper
red bud or Judas
double flowering ~~thorn~~ thorn (oak)
Cb. Blue spruce
Peramable - arborvitæ
Golden chain
cor flower bed
" " edge &
S. cor "
Chinese tree of Heaven
Scopped Maple
"
Hack-berry
Maiden-hair fern
Cut-leaf Weep. maple
Horse chest-nut
Golden

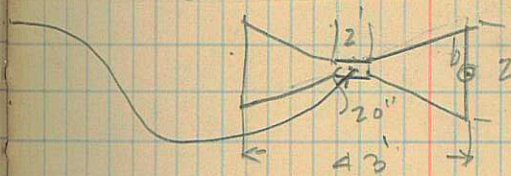


T-P	Az from S pt	Dist	Stadia L	C	J
	48°30'		5		5.89
	89°23		3		4.45
	38°41		5.0		6.14
	17°13		5.0		5.95
	10°		5.		6.17
	358°55		5.		6.25
	353°17		5		5.83
	334°45		5		5.95
	318°45		5		6.10
	323°20'		5.		6.26
	339°16'		4		5.57
	345°		4		5.36
	348°25		4		5.57
	356°10'		3		4.82
	334°25		4		5.96
	342°42		4.		5.56
b	344°46'		4		5.77
					6.2
	342°16		4		6.27
	341°15		3		5.55
	352		3		5.17
	359°02		3		5.35
	359°02		3		5.80

(flower bed 15' dia.
" " 20' dia.
6th C. of stand floor 18' extreme diamen.
red-bud
English blackberry
Nor. spruce
Scotch-larch.
Maiden-hair fern
Golden ~~th~~ avaviata
~~Scotch~~ Scotch Laburnum
~~Eng~~ Eng.-birch
" "
" "



Engl. Buro
Scotch Elm

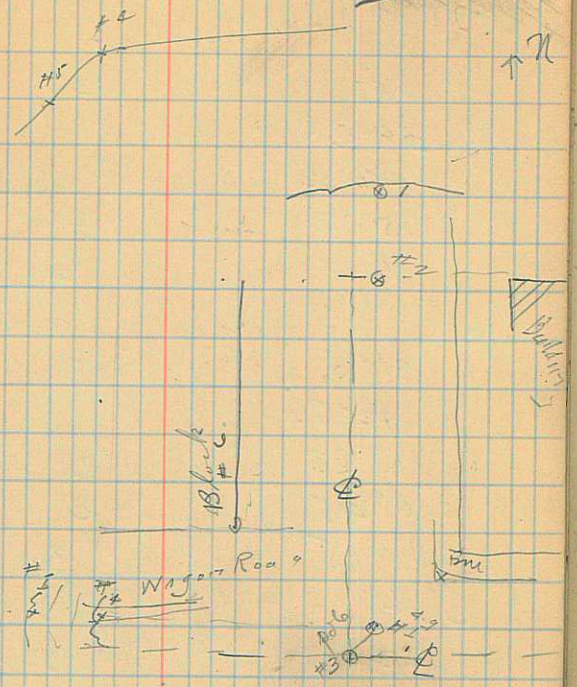


Sugar Maple
Canoe Birch
Eng.-oak
" Elm
Purple Beach

Notes on proposed Sewer for Bldg. Hospital. 6/11/14

Δ-Pt	∢ from Sta.	R.R.	∫	Sta. C	L	Elev	HI
BM	227°41	4.70		4.70	4.41	94.08	98.78
-1	180°00	7.80		7.80	6.35	90.98	
-2	180°	6.53		6.53	5.62	92.25	
-3	67°						
HI		4.9				93.88	
-4	93°30	8.27		8.27	7.30	90.51	
-5	93°	12.64		12.64	11.40	86.14	
-6	127°50	5.00	5.345	5.00			

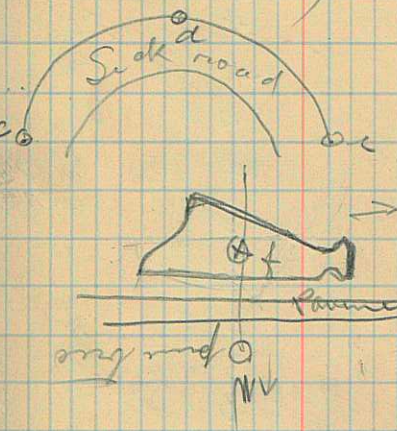
140



Temple continued

	Q from Spt	Dist	L	Shade C	J
A-P4	352°06'		2		4.7
	34°34		2		4.8
	34°30		2		4.5
	350°12		2		4.7
	6°11'		3		5.52
	4°10		2		.435
	1°15		2		4.20
	-1°48				
	1°48		3		4.74
	6°45		3.		4.62
	12°15		3		4.48
c	16°.		3		4.31
d	22°07		3		4.58
e	32°51'		3		4.61
f	89 41		5		5.90
g	76°16'		4	+	5.75
h	78°10'		4		6.04

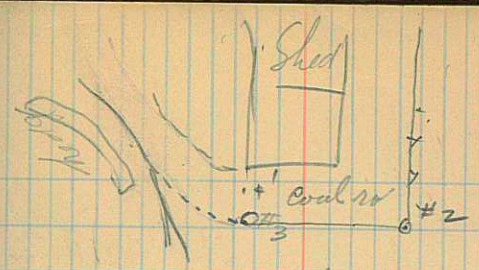
German Linden
Oriental planes or Sycamore
Center of bed ▷◁ "
So. end "
Kentucky coffee tree
N. end of row
center of row rows (12 rows more)
E end row 12 row row
E end of another row rows
C. of " " "
E. end (W. end) at Catalpa tree d3



during rows (7 rows) go Rows h

Stadia

K.-A	S. pt	Lbs	L	C	J
#2	119°20'		3		5.02
3	107°54		0.5		2.42
#4	126°19		4		5.37
K-5	35°51'		3		6.60
5-	68°30	9'			
6	269°16		4.		4.24
	325°15		4.		4.285
	295°		4		4.38
	248°		3		3.66
	201 39'		4		4.41
	332°07		4		4.65
	6°50		4		4.955
	12°26		4		4.52
	46°55		4		4.66
7	88°07'		4		5.50
8	88°45		3		4.85
9	89°08		3		4.70
10	93°		3		4.66
11	75°35		3		4.83
12	74°35		3		4.71
13	78°09		3		4.75
#4	107°55		4		5.77

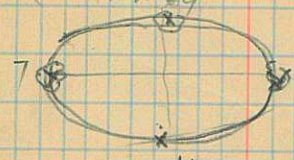


147
186
159
35

Siberian harbaretta

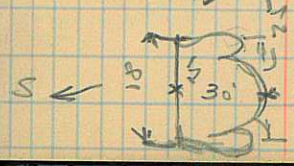
Butternut

Via. Juniper
Cinnamon - linden
Eng. Walnut.
Cut-leaf oak
White oak
Southern - persimmon tree
Black-ash



Eng - hawthorn





Old farmyard tree + flower

.0037
8
.0296

6.125

6.125
6.1
.025

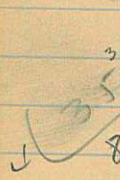
6.20

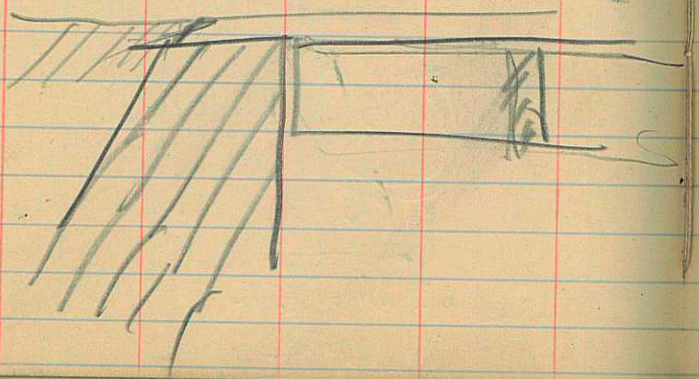
6.125

6.28
6.125
2.155
.075

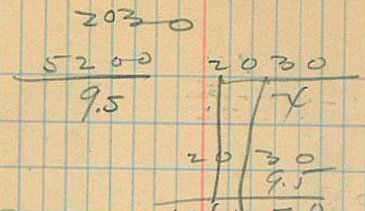
6.28
.07
6.21

180°
120°
60°



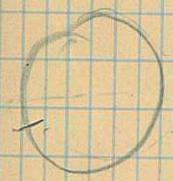


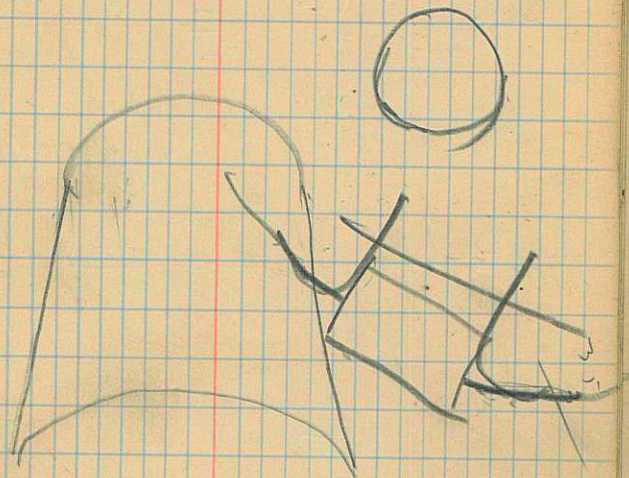
2030
5200
9.5

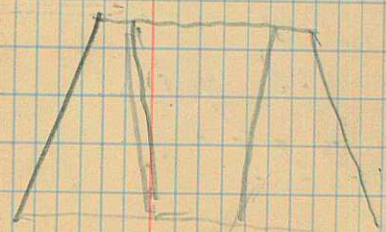


10150
18270
19285.0
1900
3685.0

5200
3.7

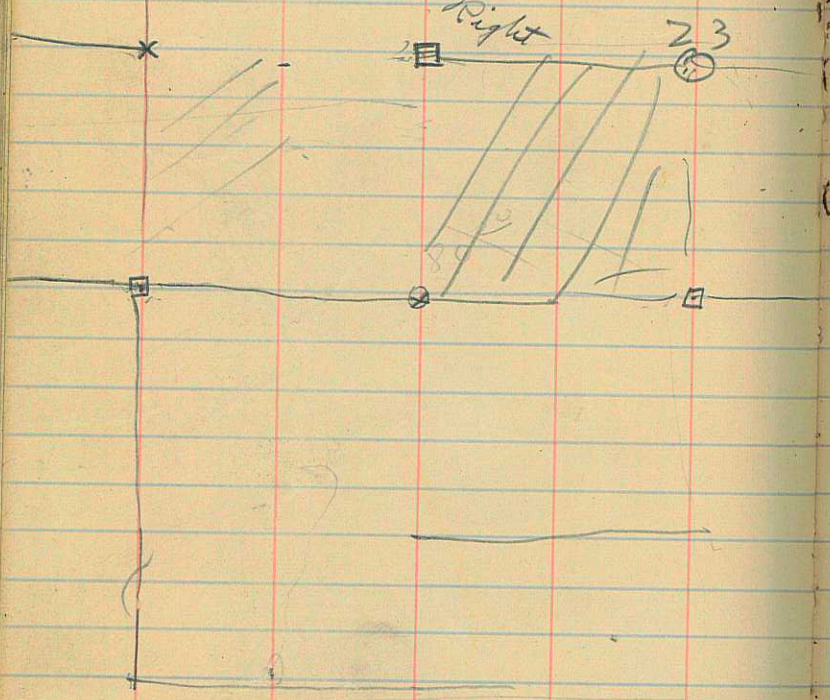






1446
66
6

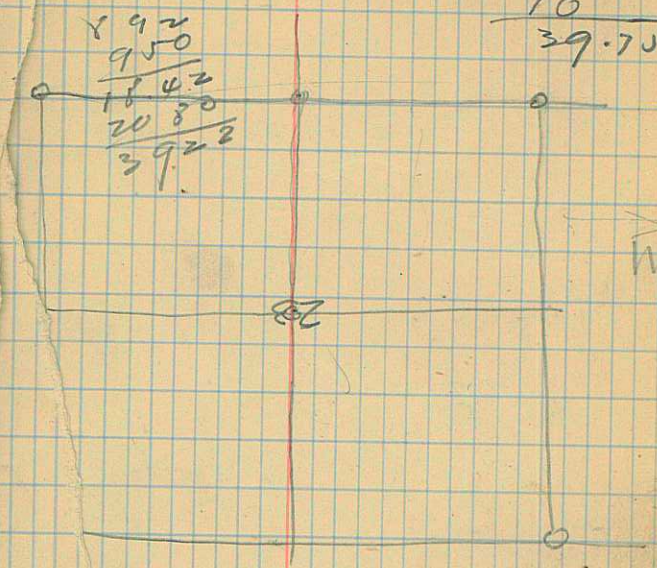
1446 | 66
132 | 218
126
66
00



39.7
37.8
41.79

40.20
148
20.40
9.75
10
39.75

8.92
9.50
18.42
20.80
39.22



sun Feller
march 31 all day

1996
14
1056

3546 60
61 11
298 49

3546
8214
47726

7 20 11.33
65 54
550

4 6 0
35 46 17
03

92

4 6 0 2
35 5
5

2649.5
30
26795
2660
39.5

3 6 0 6
35
5

4 6 0
35 4 6 0
3 1 0

49.7

2630
1980
496

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