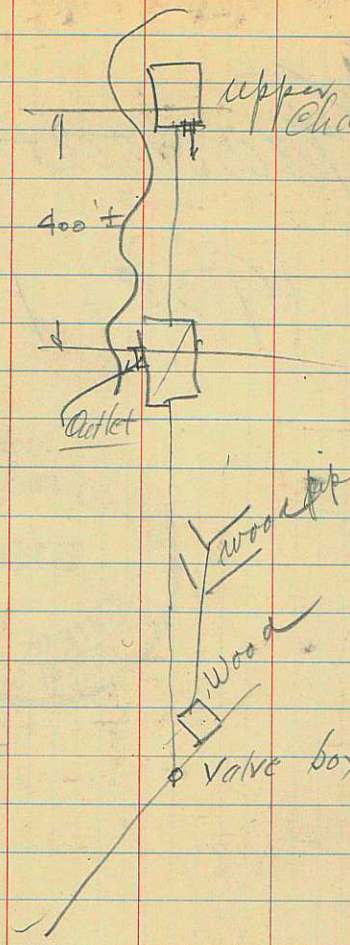
77

Property of
Fairview High School
Dallas, Texas

Farmers Ditch

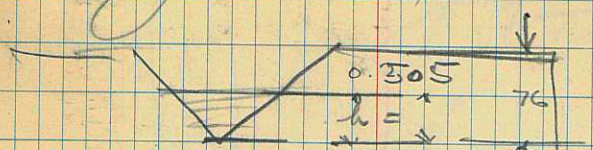
1939-1





July 3 - 1939

Pavement



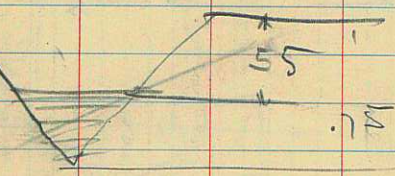
39 gal

0.76
.50
.38
.26
.152
.0076

.0688
.26
4128
1376
.017888
.0177
.26
1062
354
.004602
.26
2772
924
.001196
.0796

.6877
4354
34.8
39.150

.035
2.5
175
70
.0875



.55
.20 = Ci

.9
.2
.04
0.2
.0084
.12
.0016
.00032 × 2
.00064
1
.00128

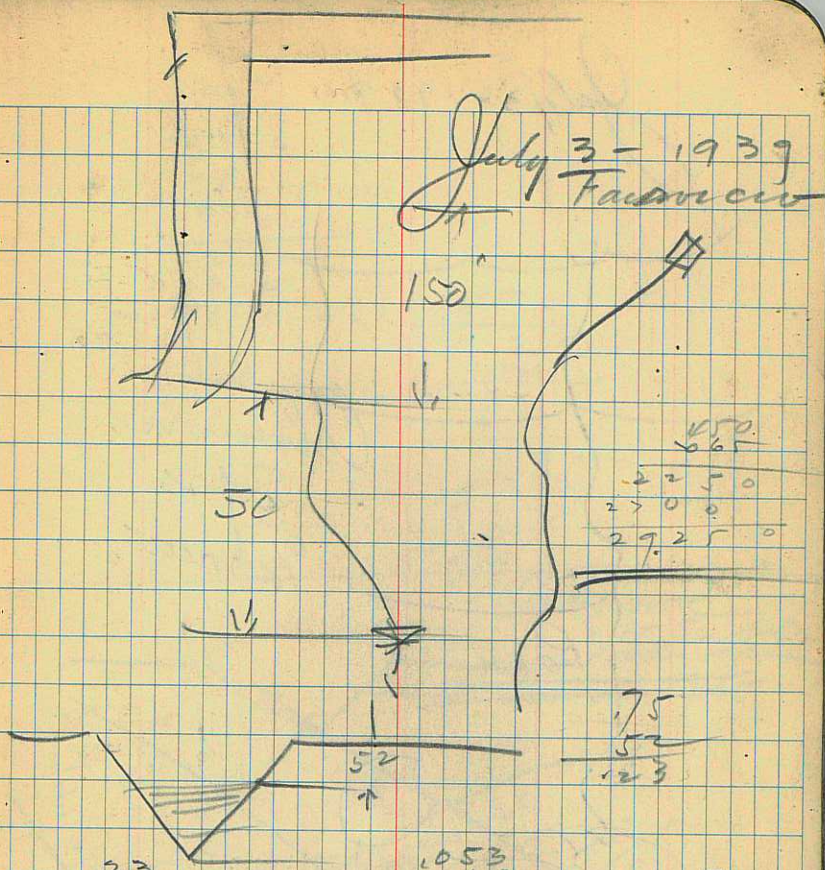
.102 CFJ

.019 = 9 gal

29

229

July 3 - 1939
Facsimile



.0650
.2250
2700
27.250

.75
.52
.23

.0533
.23
159
106
.012219

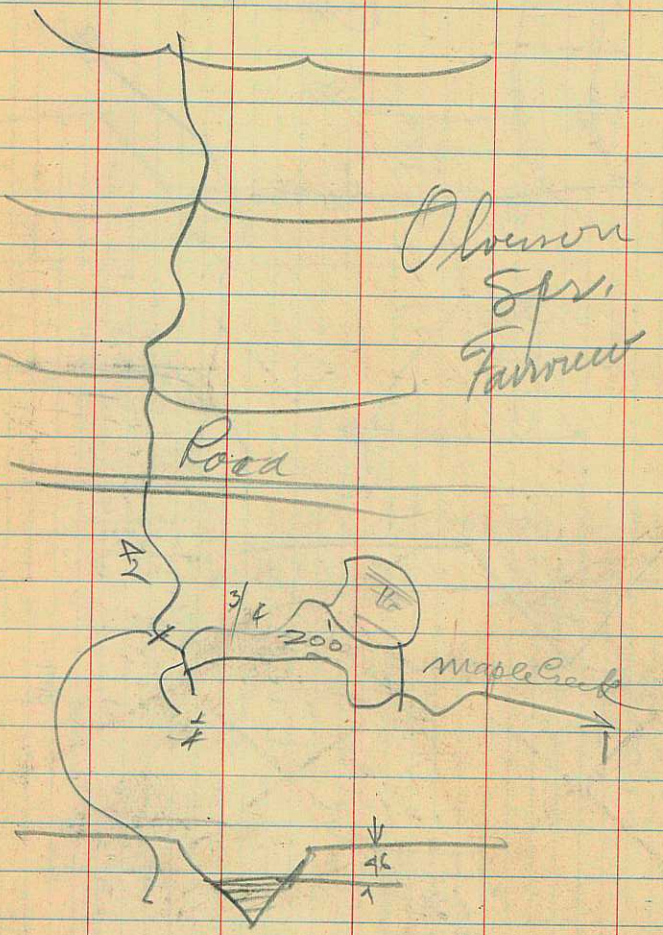
23 5/12

.0122
23
366
2440
.00283
84
56
.000644
244
.026

2.5
.0560
.150
.050
.0650

29
9
38

July 3 - 1939



75
.46
.29

.29
.29
261
.581
.084
.29
756
168
.0243

.024
.29
216
.48
.0069
.29
672
1392
.0020184
26
.045
425

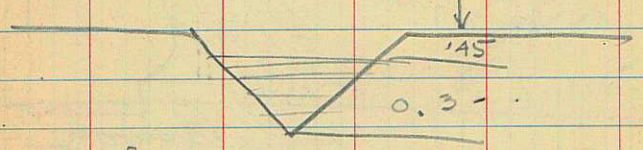
.045
2.5
.045
1250
1000
.1125
.045
5600
448
5048

Alverson Spr. 50' below Baker dam
mean .545

.02
.02
.0050
.0450
.225.0
.019 (decrease)

July 3 - 1939

Water must have leaked around plate as we only meas. 22 1/2 GPM while it should be more than 50.4



.3
.3
.09
.3
.027
.3
.0081
.3
.00243
16.30
88
8 3 0
7 0 2
1 2 6

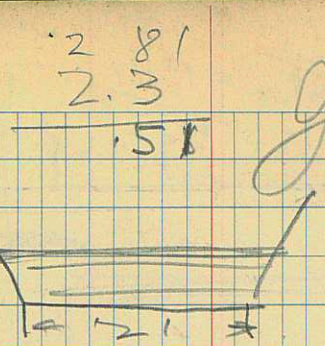
0.48

0.97
2.5
23
9 2
.1 1 7 5

.5 0
4 5 0
9 9.5 0

117.0
5 8 5 0
+ 6 8
√ 2.6 5

July 3 - 39



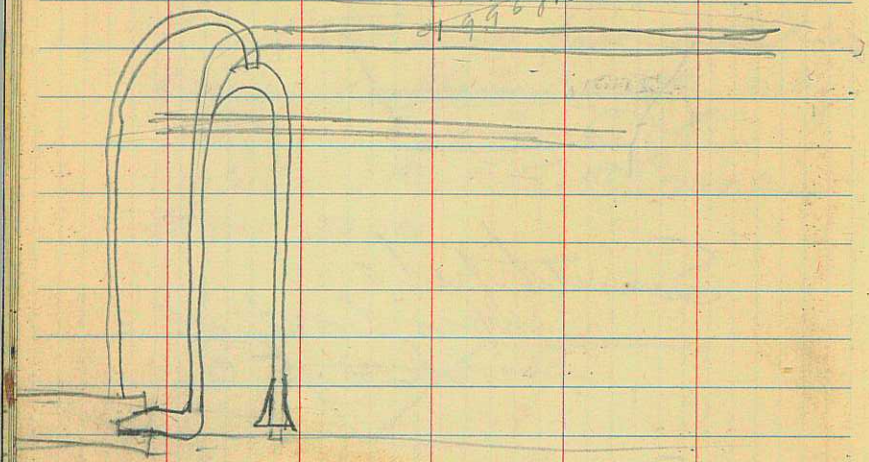
Smithfield
supper Control
K = .50

.5
.5
.25
.125 0
9
3 5 0

60

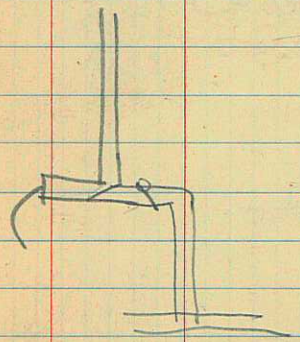
.35

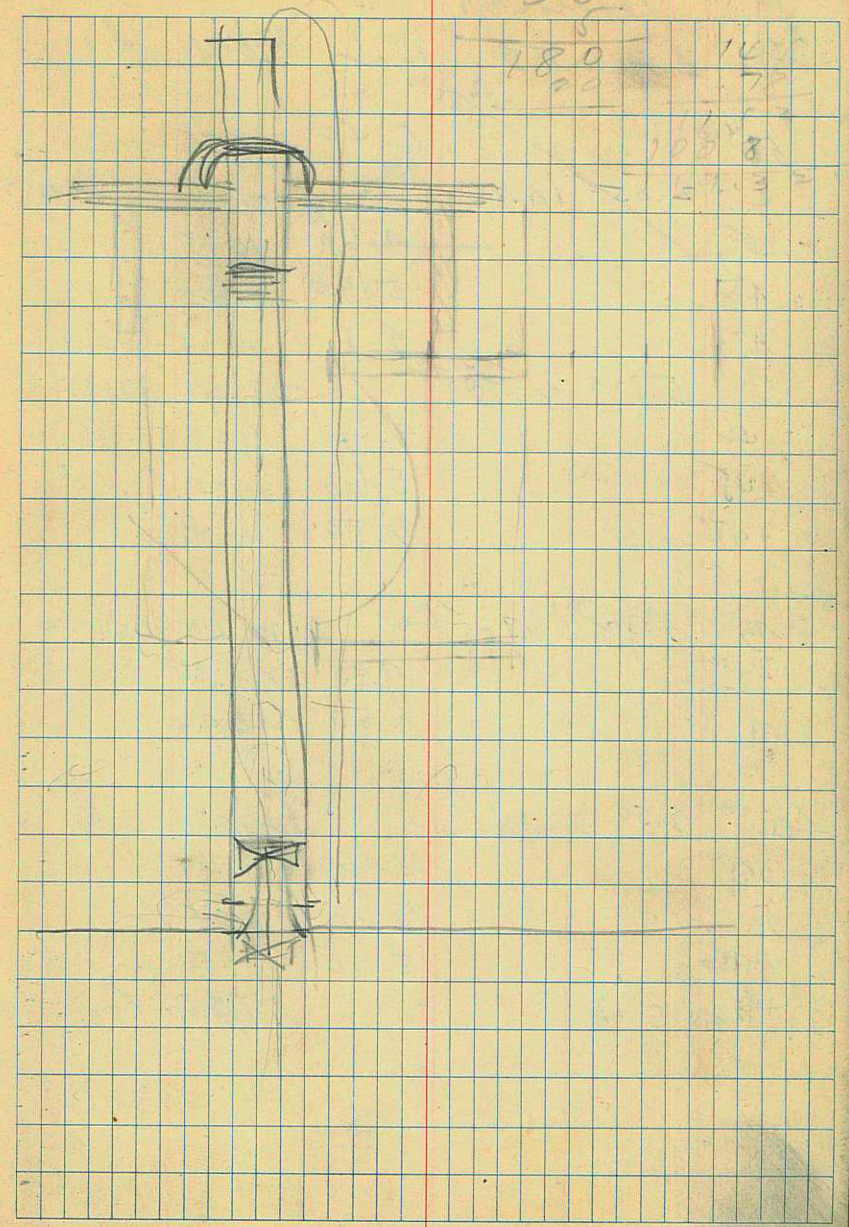
3.33
.31
.1 6 5
9 9 9
9 9 9
1.1 6 2
2.3 2



3 ÷ 640 / 60 × 8 = 60 F

10 W = 500/30



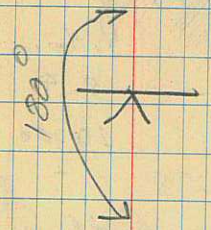


Cub River 8-20-40

Levels up

Sta	BS	FS		Elev	HI
50 +00			6.40	5199.55	
	2.05	10.85		5203.90	5205.95
49			4.60	10.15	
48			5.30	09.95	
47			4.70	10.05	
	5.82	2.48		5208.93	5214.75
46			4.00	4.41	
45			5.60	05.81	
44			3.50	01.91	
PI 43	3.72	9.05		5205.69	5211.41
42 +00			9.80	5206.94	
41			6.80	5209.94	
Δ0 +00	2.50	9.60		5212.24	5216.74
39			6.60	11.24	
38			5.00	18.84	
37+86			5.30	18.54	
37+93 BM	5.44			5218.44	5223.84

C - contour

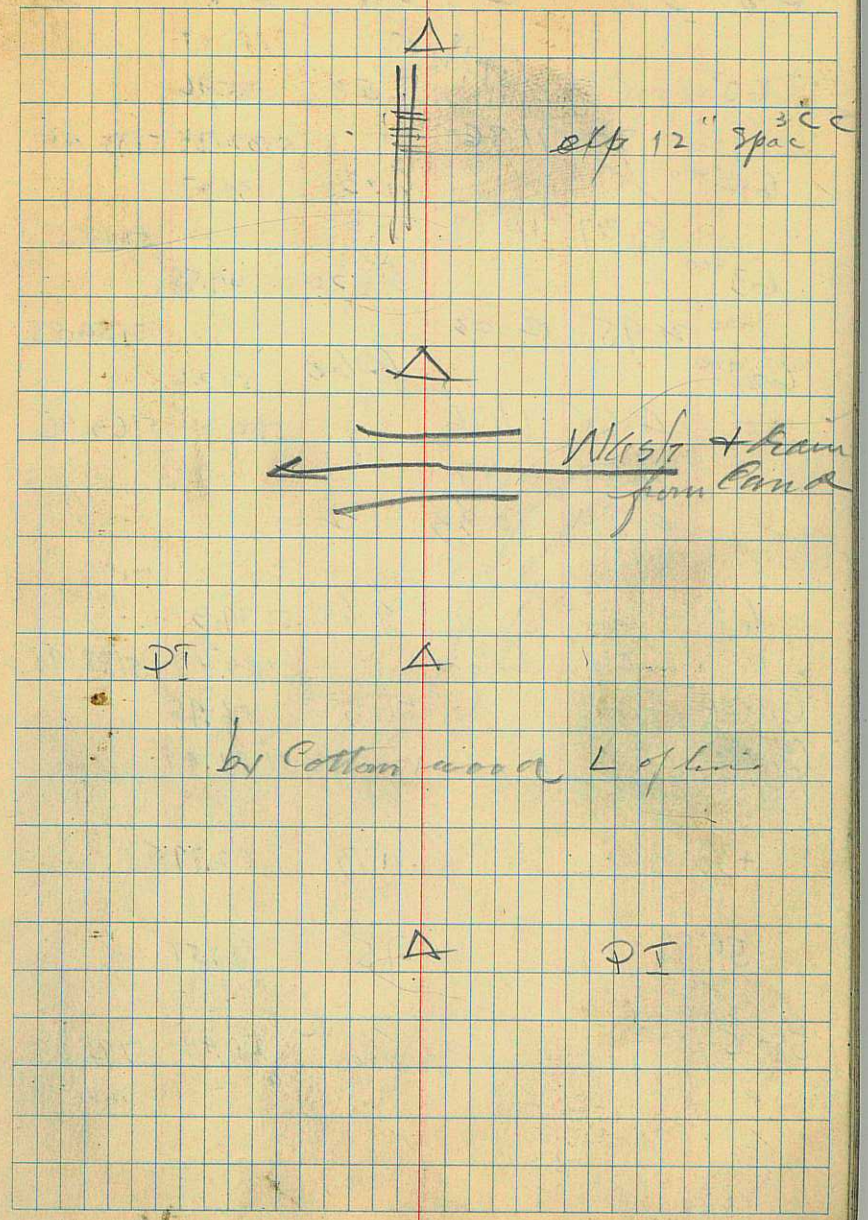


Δ PI ANGL

on Rock

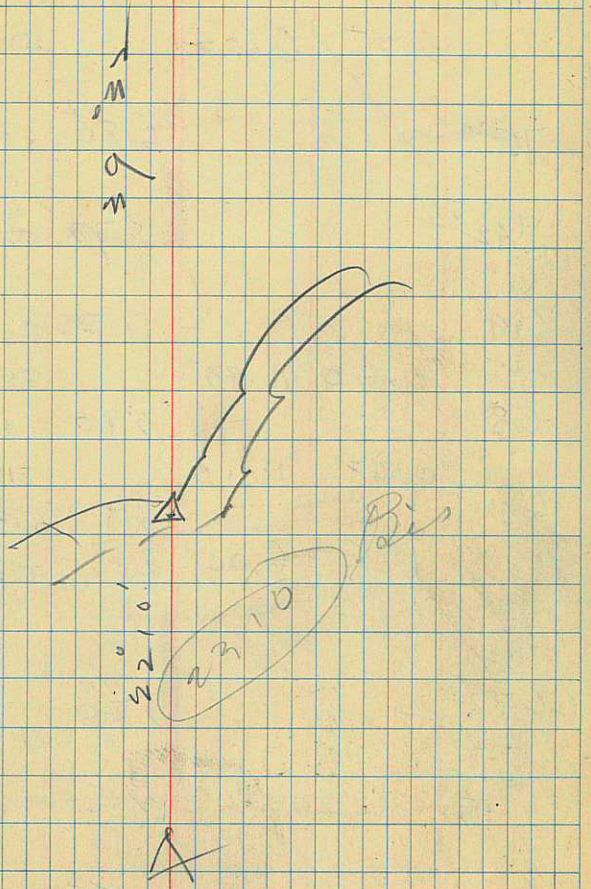


Sta.	BS	FS	HI	Elev	HI
+75			35.6 ± h	5188.49	
+57		36.9 70.0	8×03	86.06	
	8×76	1.540		5185.33	5194.09
58			1.6	85.27	
57	5		8.4	78.47	
56			10.00	76.87	
	8.92	10.88		5177.95	5186.87
55+84			10.60 ft	78.23	
+35			16.00	72.83	
55			8.2	80.63	
	2.64	5×94		5186.19	5188.83
54+35			6.09 ft	86.04	
54			6.00	86.13	
53+10			6.22	85.91	
53+00			5.60	86.53	
52+25			3.80	88.33	
	3.29	8.01		5188.84	5192.13
52+25					
52			6.80	5190.05	
51			4.00	5192.85	
	2.57	11.67		5194.28	5196.85
50+00			6.40	5199.53	



Sta	BS	FS	HI	Elev	HT
			59.38 / 53.07		
65			7.50	25.96	
	0.75	11.86		5132.71	5133.46
64+00			6×3	38.27	
	0.37	10.68			5144.57
63+00			5.30	49.58	
	2.95	12.03			5154.88
62+00			6×60	57.36	
	4.65	11.76		5159.31	5163.96
	3.47	11.77			
	0.80	10.33			
61+00			9.60	5179.3	
	1.43	6×62		5184.44	5188.90
60+50			7.13 ± 6	86.96	
60+00			12.60	5181.49	
+30			11.3	82.99	
59+00			7.5	86.59	
58+75			5.60	88.49	5194.09

on 12" wood wires 12'



Sta	BS	FS	IH	Elev	HT
73+00			7.00	5098.05	
72+00			5.50	5099.55	
+40		6.40	6.70	5098.35	
71+00		180.0'	4.00	5101.05	
	3.27	6.02		5101.78	5105.05
70+00			6.80±	5101.00	
+42.50			8.73	5099.07	
69			7.20	5100.60	
	0.60	11.83		5107.20	5107.80
68			3.10	1593	
	0.87	11.10		5118.71	5119.03
67			1.80	27.50	
	1.85	6.00		5127.46	5129.31
66+00			3.50	29.96	
+50			12.5	20.96	
65			7.5	25.96	5133.46

on top exposed 12" Wood pipe

PS

on top 12"

mc brook pipe exit

6.6+40

on 12" wood

small hardware

Sta	BS	FS	HI	Elev.	HT
	9.3	10.6		5089.12	5098.94
+62			14.2		
79+00			10.5		
78+00			7.9		
77+52.46			8.50	5091.26	
76+77			14.6	5085.16	
@	6	3.91		5093.30	5099.76
74+25			3.59	5093.62	
	2.86	10.70		5094.35	5097.21
74+00			10.40	5094.65	
73+15			7.08	5098.	
73+00			7.00	5098.05	5105.05

loading pan on bobcat

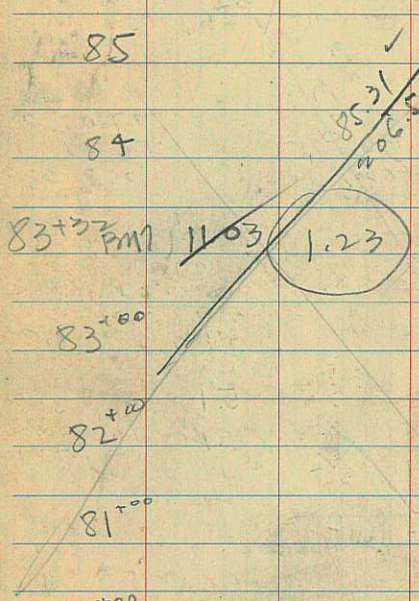
Sod Co

Shoulder 77+54.5 Eq + 2'

77+52

Fence

Sta.	BS	FS	cm	Elev	HI
83			11.1	83.8	
	6.08	9.83		5088.86	5094.94
82			13.6	85.1	
81			13.00	85.4	
80			16±	82.7	
79			9.7	88.99	
78			7.2	5091.49	
PM 83+32	1.48			5097.21	5098.69
85			5.73		
84			8.30		
83+32 PM	11.03	1.23		5097.21	
83+00			4.10		
82+00			7.9		
81+00			8.00		
80+00			12.4		



Grade

on rock
design alignment of

POT

one large boulder 20 NE of Northwest

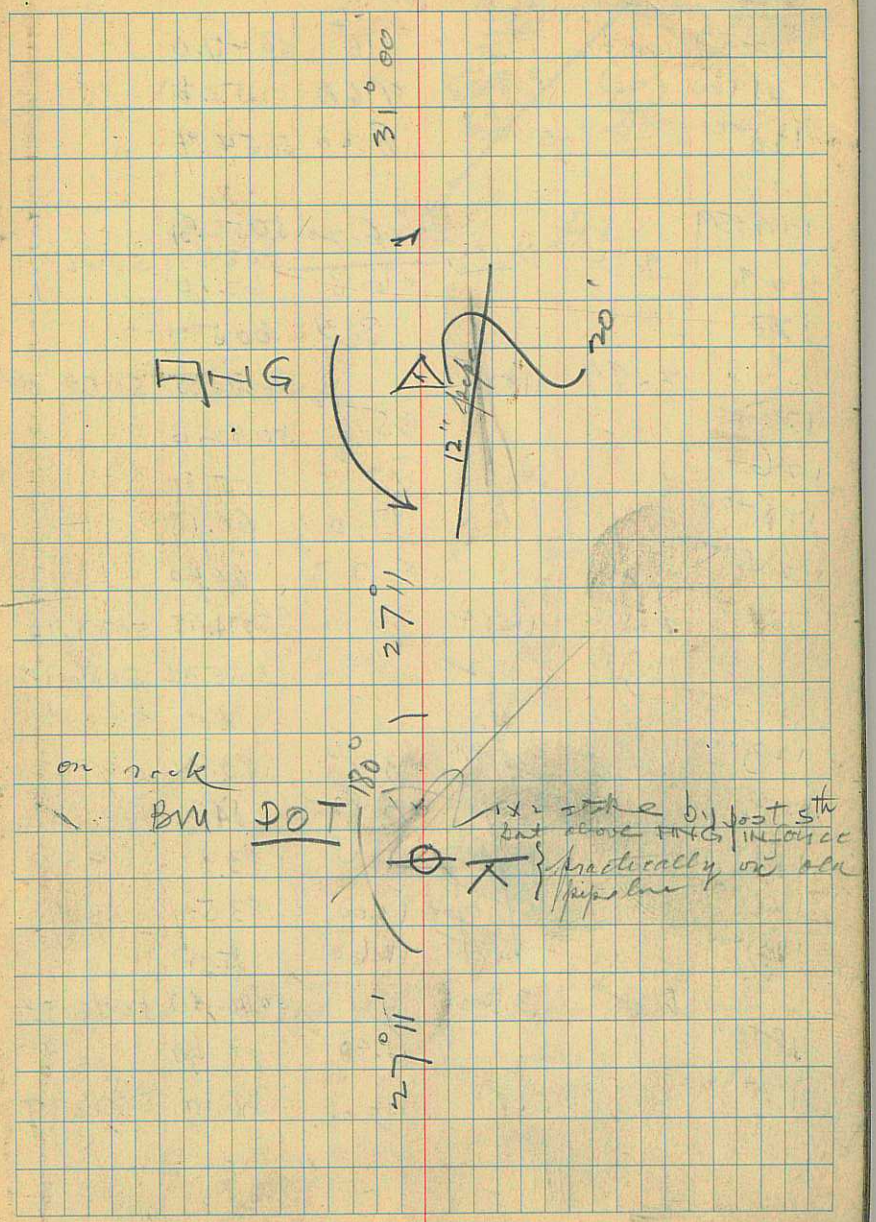
Sta	BS	FS	HI	Elev	HI
100			10.20	5080.44	
99			10.60	180.00	
	8.37	4.50		5082.27	5090.64
98			4.50	82.27	
97			3.00	83.77	
96			3.80	82.97	
95			3.00	83.77	
94			4.4	82.37	
93			6.1	80.67	
92+82.5			6.2	80.56	
	1.46	1.03		5085.31	5086.77
87			6.5	79.8	
86			7.5	78.8	
85			4.9	81.4	
84			5.00	81.3	
	2.87	11.47		5083.52	5086.39
83			11.1	83.8	

ANG

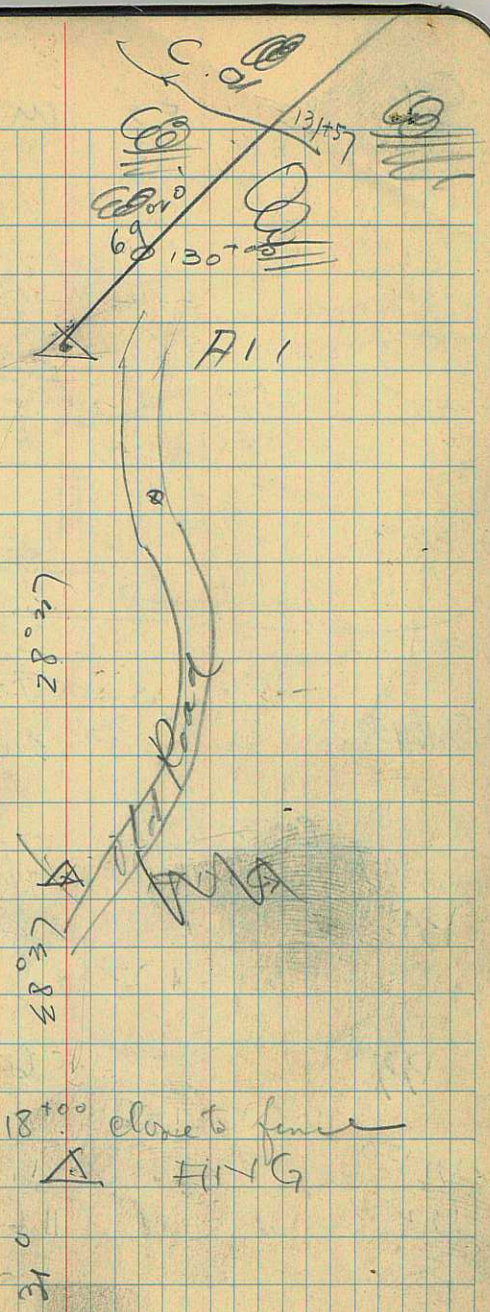
HL

89+50

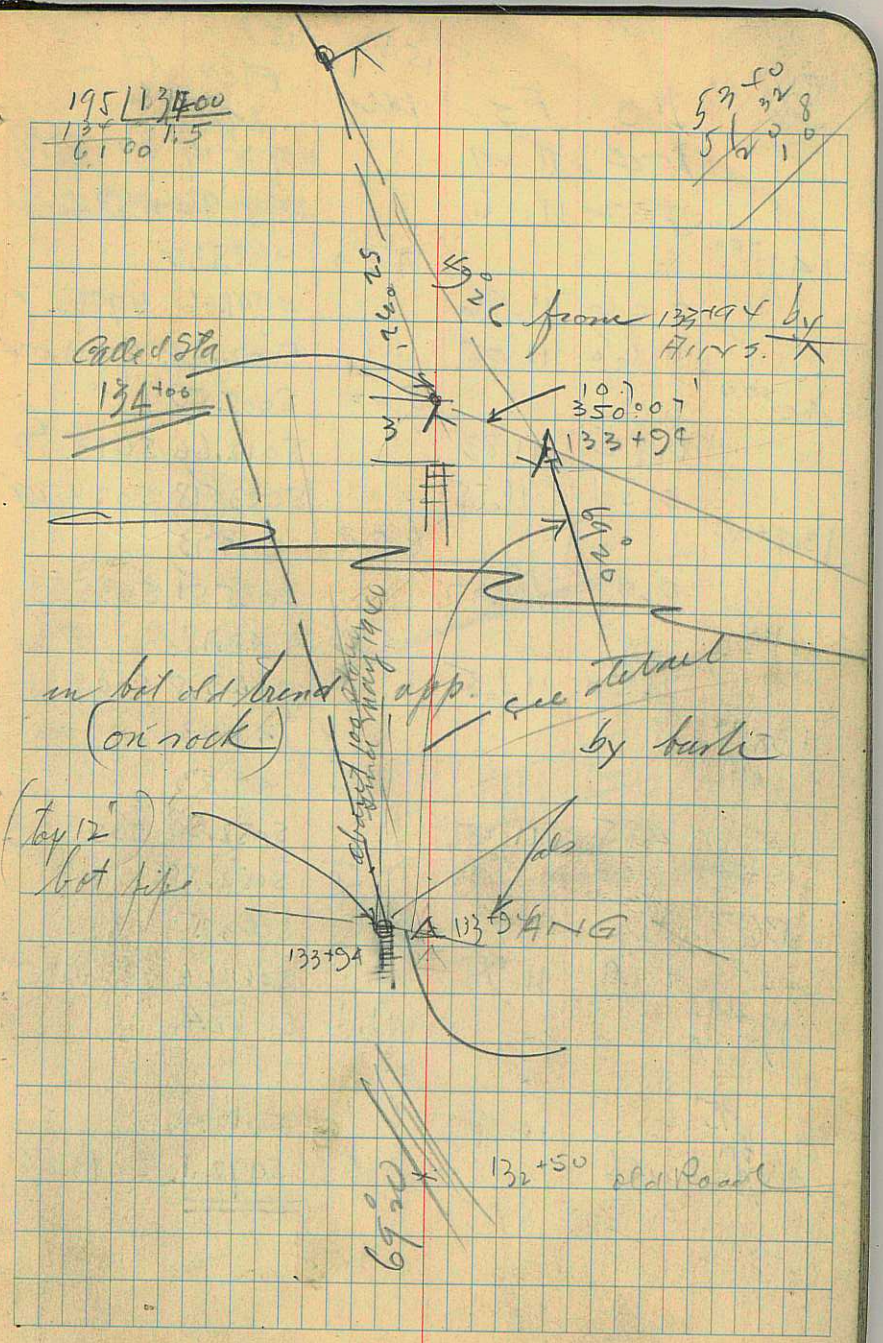
Sta	BS	FS	HI	Elev	HI
117			10.0	86.19	
116+00			10.7	85.49	
115+00			9.7	86.49	
114			9.7	86.49	
113+00			9.5	86.69	
112+00			10.1	86.1	
111+			9.7	86.49	
110+00			10.6	85.59	
	9.82	11.33		5086.37	5096.19
~~110+00~~					
109+00			10.8	86.9	
108+00			8.5	89.2	
107+00			8.4	89.3	
106+00			7.6	90.1	
105+00			8.0	89.7	
	7.20	0.14		5090.50	5097.70
102+04			8.76	88.88	
104+00			1.4	89.2	
103+00			4.5	5096.14	
102+00			9.8	80.84	
101+00			10.7	79.94	
100			10.2	5080.44	5090.64


FHG
12" pipe
20'
on rock
BM
POT
180°
270°
90°
31°00'
1
1
1

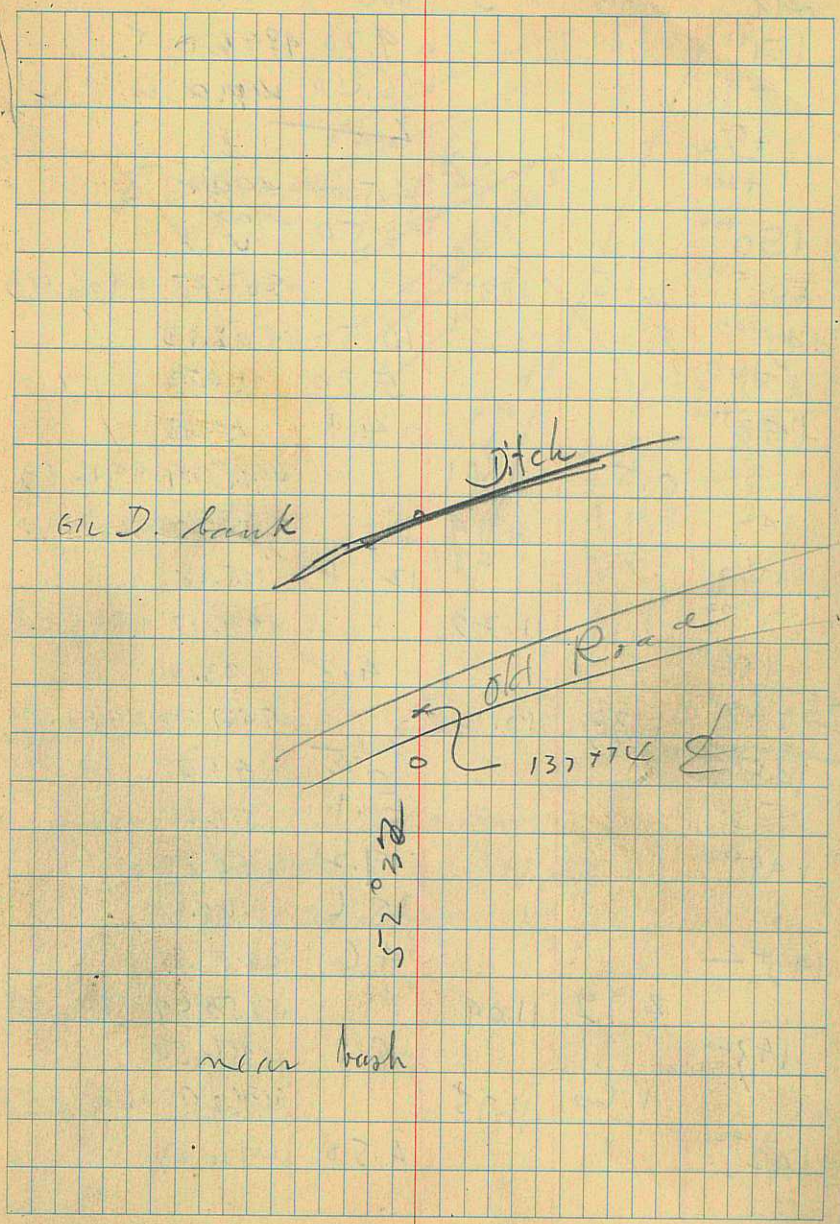
Sta.	BS	FS	HI		
+57			16±	5047.0	
131+00			9.60	53.4	
130+00			8.00	5054.7	
129+59			6.2	5056.51	
129	4.74	10.87		5057.91	5062.91
128			6.8	62.0	
			8.3	60.5	
	2.99	11.25		5065.85	5068.84
127			25+00	5052.0	
126			22±	55.1	
125+00			17.0	60.1	
124+00			7.7	69.40	
	2.12	11.79		5074.98	5077.10
	1.38	1.12		5085.34	5086.72
123+00		~~13.20~~	13.20	83.3	
122		~~12.5~~	12.5	84.	
121+00		~~13.4~~	13.4	83.1	
120+00		~~13.00~~	13.00	83.5	
119+00		~~11.60~~	11.60	85.	
	6.05	5.70		5090.49	5096.54
118+00			6.40	89.79	
117+00			10.0	86.19	5096.19



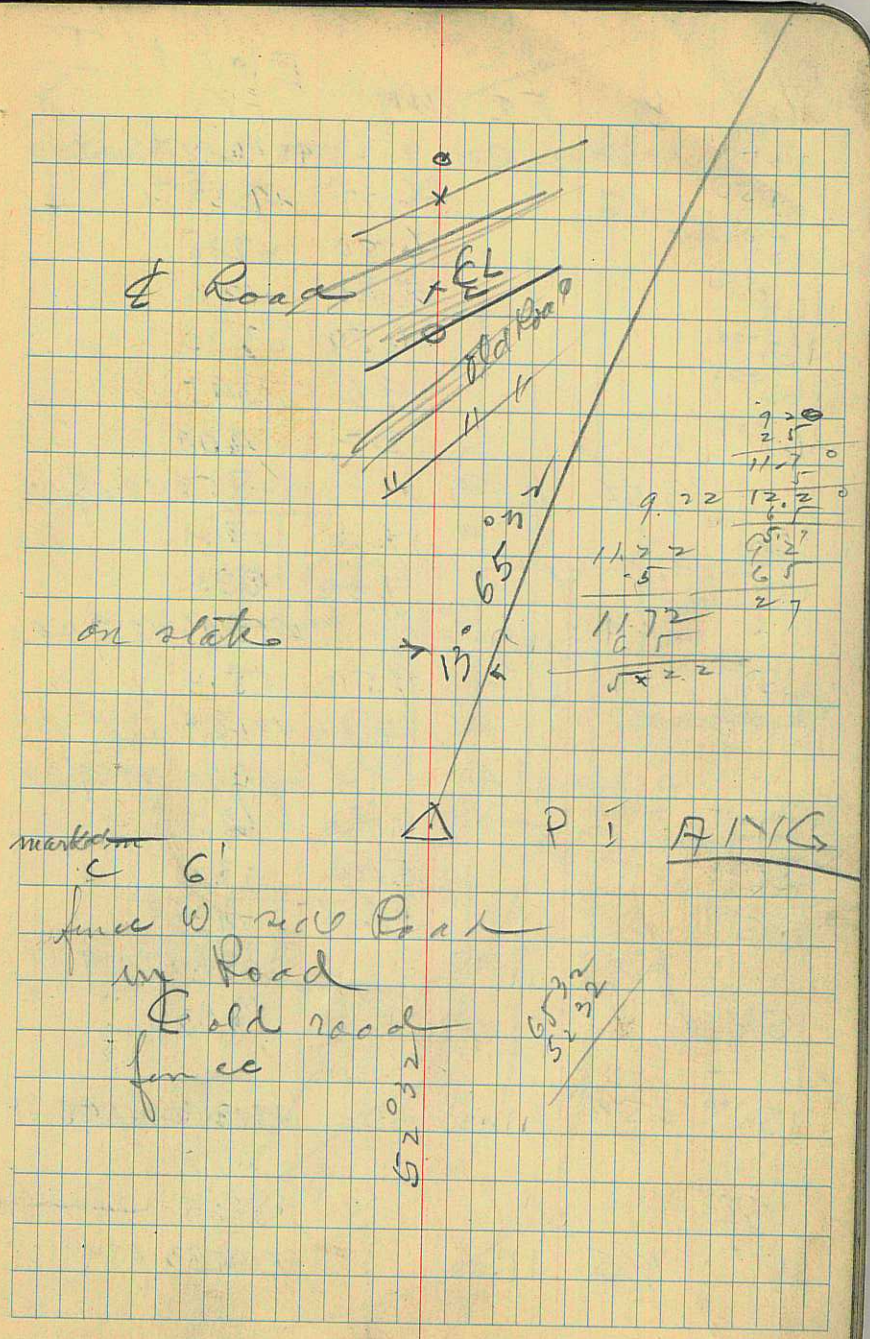
Sta	BS	FS	CM	Elev	HI
Old BM 59		1.42 / 3.08	7.7 / 3.37	5072.1	
	6.5 / 6.92			5068.95	5075.47
133+94			7.9 X	69.93	
134+00			4.00	71.9	
	5.37	1.72		5070.50	5075.87
133+00			6.7	66.0	
	10.77	1.26		5061.45	5072.22
132+50			1.3	61.4	
132			11.6	5051.11	5062.71



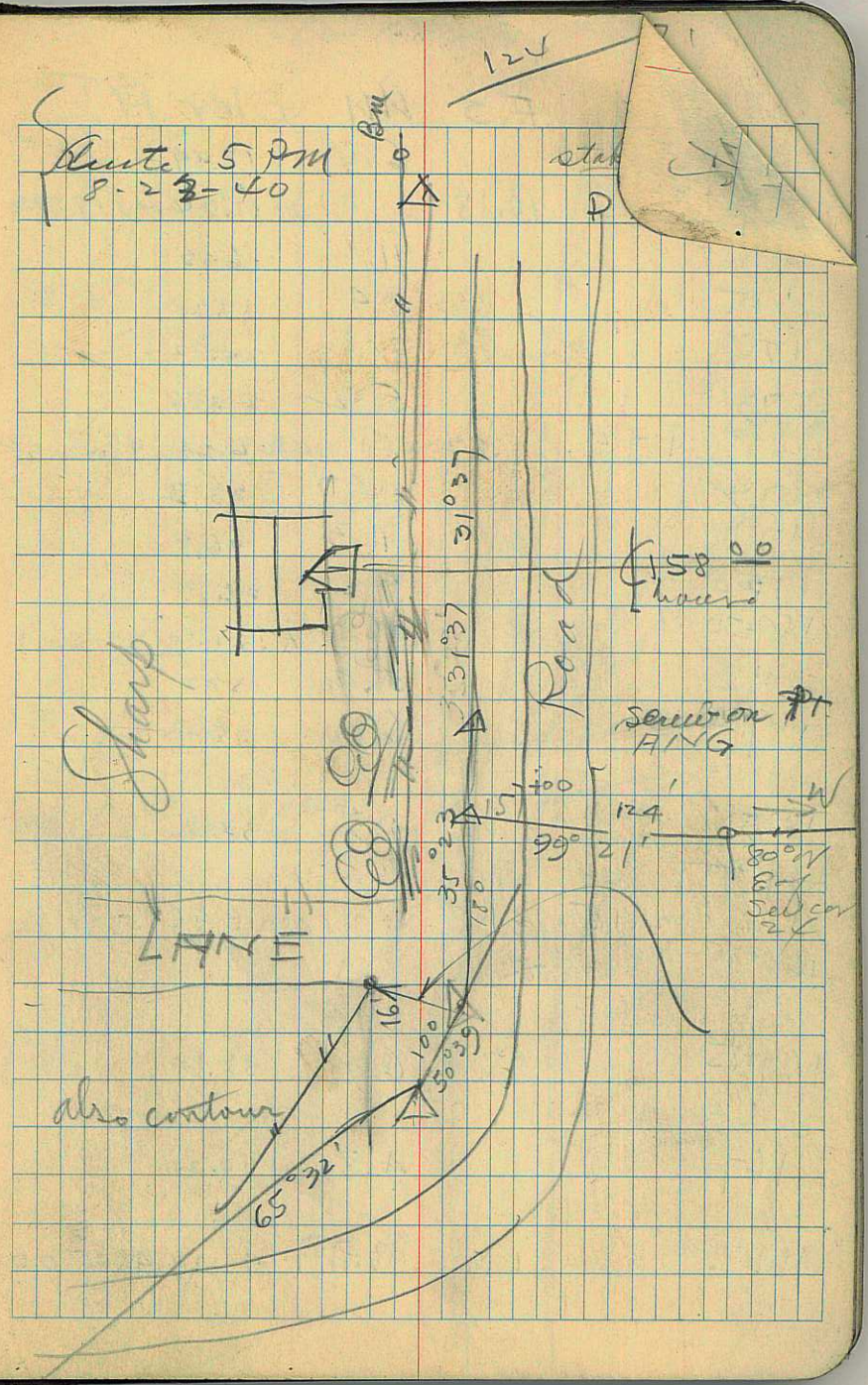
Sta	BS	FS	HI	Elev	HI
	1.54	11.29		4973.19	4974.73
	2.52	11.16		4981.96	4984.48
141+00			7.80	4985.32	
	2.06	11.96		4991.06	4993.12
	0.60	11.08		5002.42	5003.02
140+00			8.00	5005.50	
	0.84	11.83		5012.66	5013.50
	0.51	11.55		5023.98	5024.49
139+00			6.80	5028.73	
	0.02	10.77		5035.51	5035.53
+33			3.50	42.78	
	2.50	11.65		5043.78	5046.28
138+00			8.0	47.43	
+74			7.6	47.83	
	2.85	11.27		5052.58	5055.43
137+00			11.0	5052.85	
136+00			3.7	5063.15	
	2.19	11.90		5061.66	5063.85
135+69			11.1	5062.46	
135+00			6.1	5067.46	
old BM +59	1.46			5072.1	5073.56



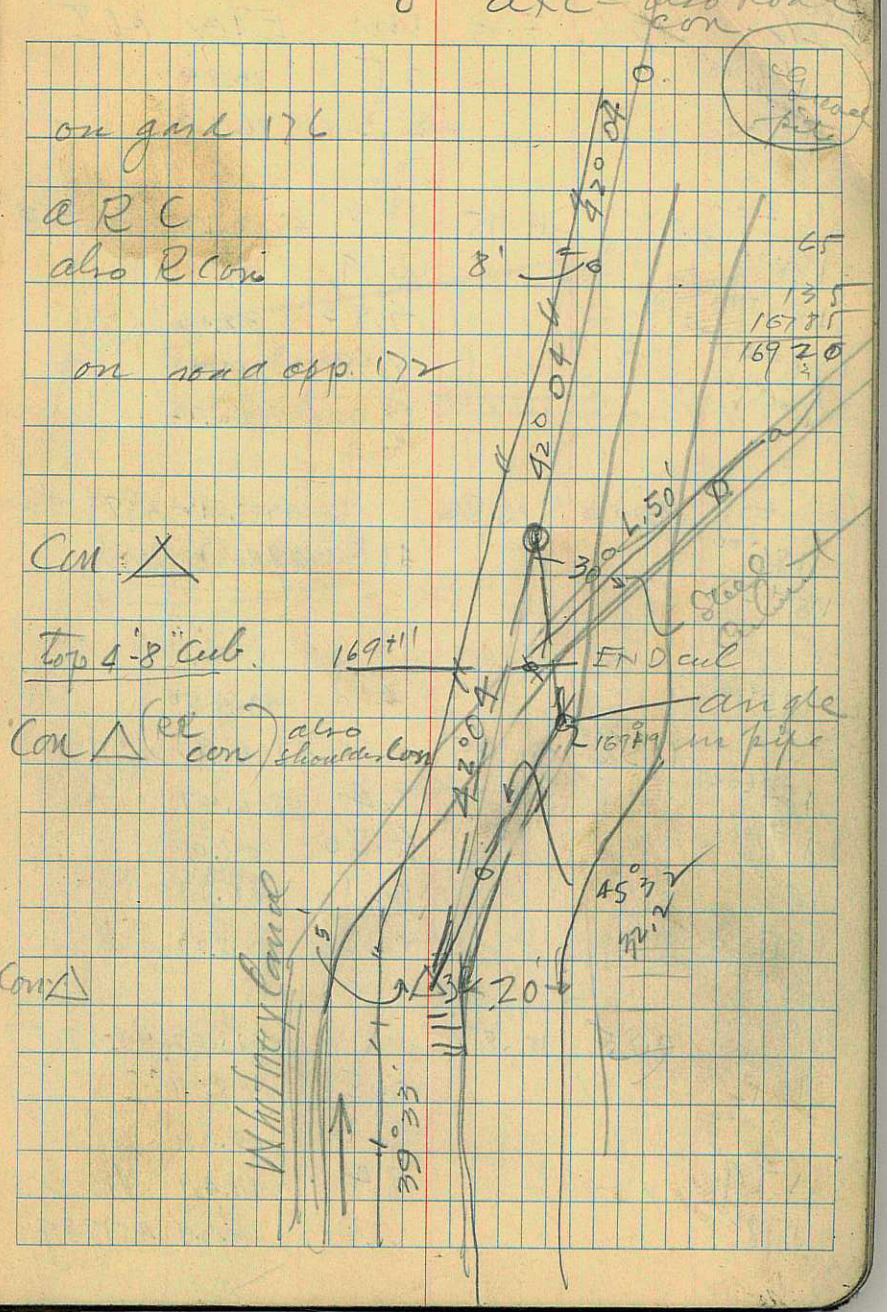
Sta	BS	FS	WI	Elev	HI
151+00			9.70	4896.73	
+90			6.60	4900	
+90			~~6.60~~		
+20			4.50	4902	
150+00			4.50	4907	
	1.15	11.35		4905.28	4906.43
149+00			10.50	4906.13	
+60			5.80	10.83	
148+00			4.1	12.53	
	0.84	11.41		4915.79	4916.63
147	1.71	11.79		4925.49	4927.20
147			12.1	25.18	
	1.11	11.23		4936.17	4937.28
146+00			4.2	43.2	
PI +75	1.33	10.21		4946.07	4947.40
145+00			6.5	4938	
			5.1	51.18	
144+00			9.2	47.08	
			8.6	49.68	
143+—			4.6	4951.68	
	2.79	11.09		4953.49	4956.28
143+00			8.1	4956.50	
	1.60	11.75		4962.98	4964.58
142+00			4.50	4970.23	



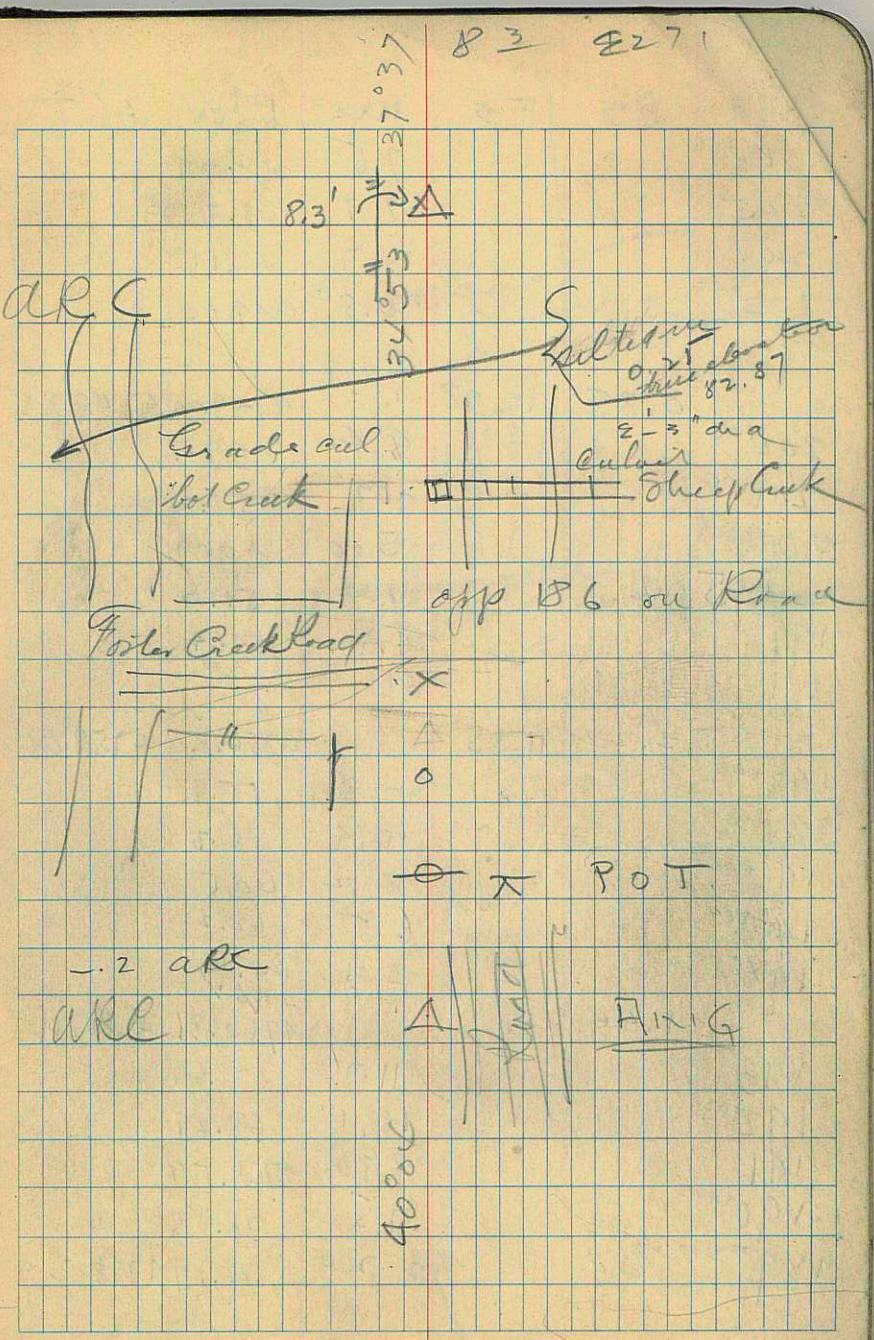
Sta	BS	FS	HI	Elev	HI
BM +58	2.82	6.92		4842.18	4845.00
+50			6.77	42.33	
165+00			6.80	42.30	
164+00			5.50	43.6	
163+00			6.00	43.10	
162+00			9.6	395	
161+00			8.2	40.9	
	3.52	11.87		4845.58	4849.10
160+00			12.2	45.1	
159+00			7.30	50.1	
	1.44	11.94		4853.96	4857.00
158+00			9.50	58.4	
PT 157+49			4.00	4863.9	
	0.20	11.47		4864.70	4864.90
157+00			11.60	64.57	
156+00			5.80	73.37	
155+00			1.60	77.57	
	0.27	11.78		4878.90	4879.17
154 PI			7.75	81.93	
PI 153+00	2.52	11.12		4888.16	4890.68
152+00			10.1	4889.18	~~4889.18~~
	3.85	11.00		4895.93	4899.28



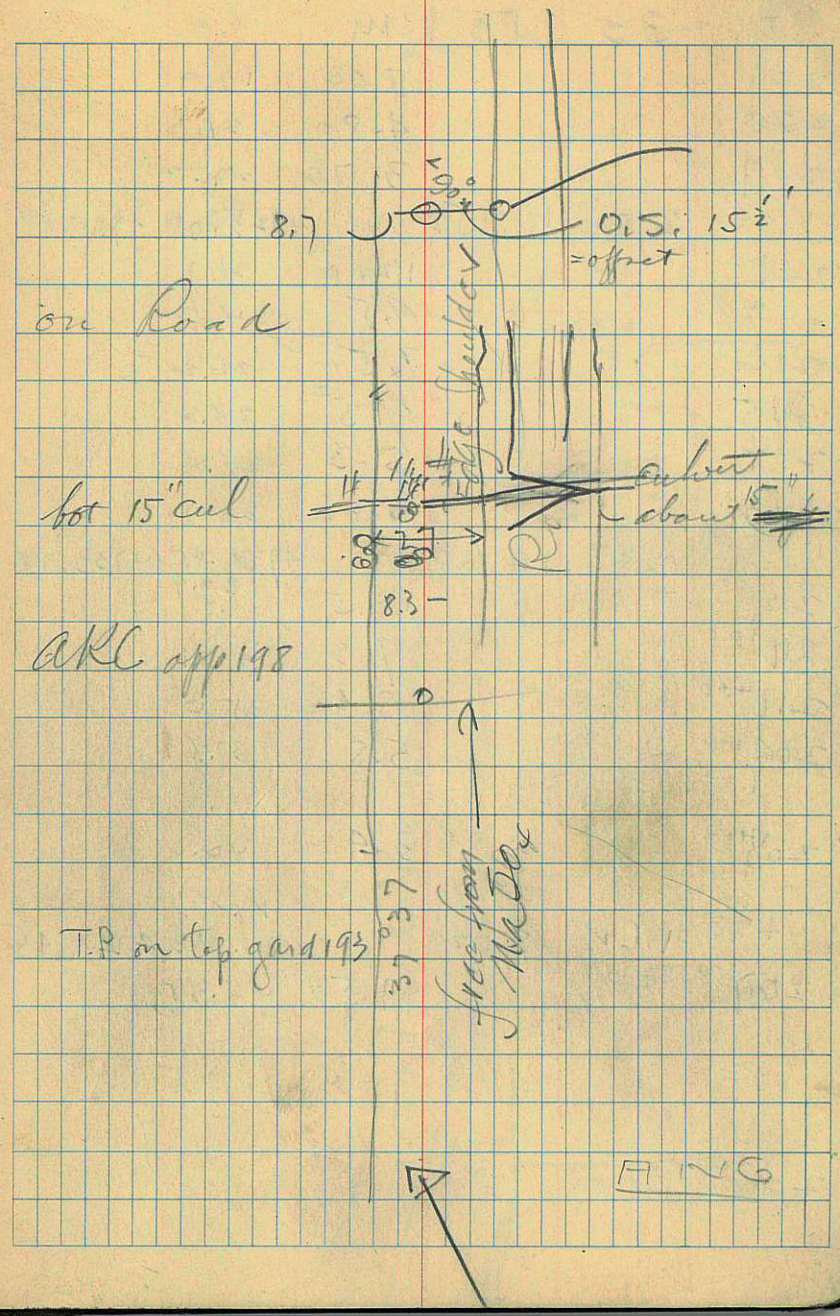
Sta.	BS	FS	HI	Elev	HT
			6.4	12.49	
	1.05	10.18		4817.84	4818.89
176			11.1	16.92	
175			8.9	19.62	
174			7.1	20.92	
173			5.42	23.82	
	1.74	11.82		4826.28	4828.02
172			14.7	23.14	
171			11.3	26.8	
170+00			9.2	28.9	
169+50			5.4	32.70	
			5.90	32.2	
169+11			6.00	32.1	
169+19			3.3	34.8	
~~169+19~~					
	2.15	9.05		4835.95	4838.10
168+85 3.4		~~9.05~~			
167+85			6.72	38.68	
167			4.8	40.20	
166+00			3.77	41.23	4845.00



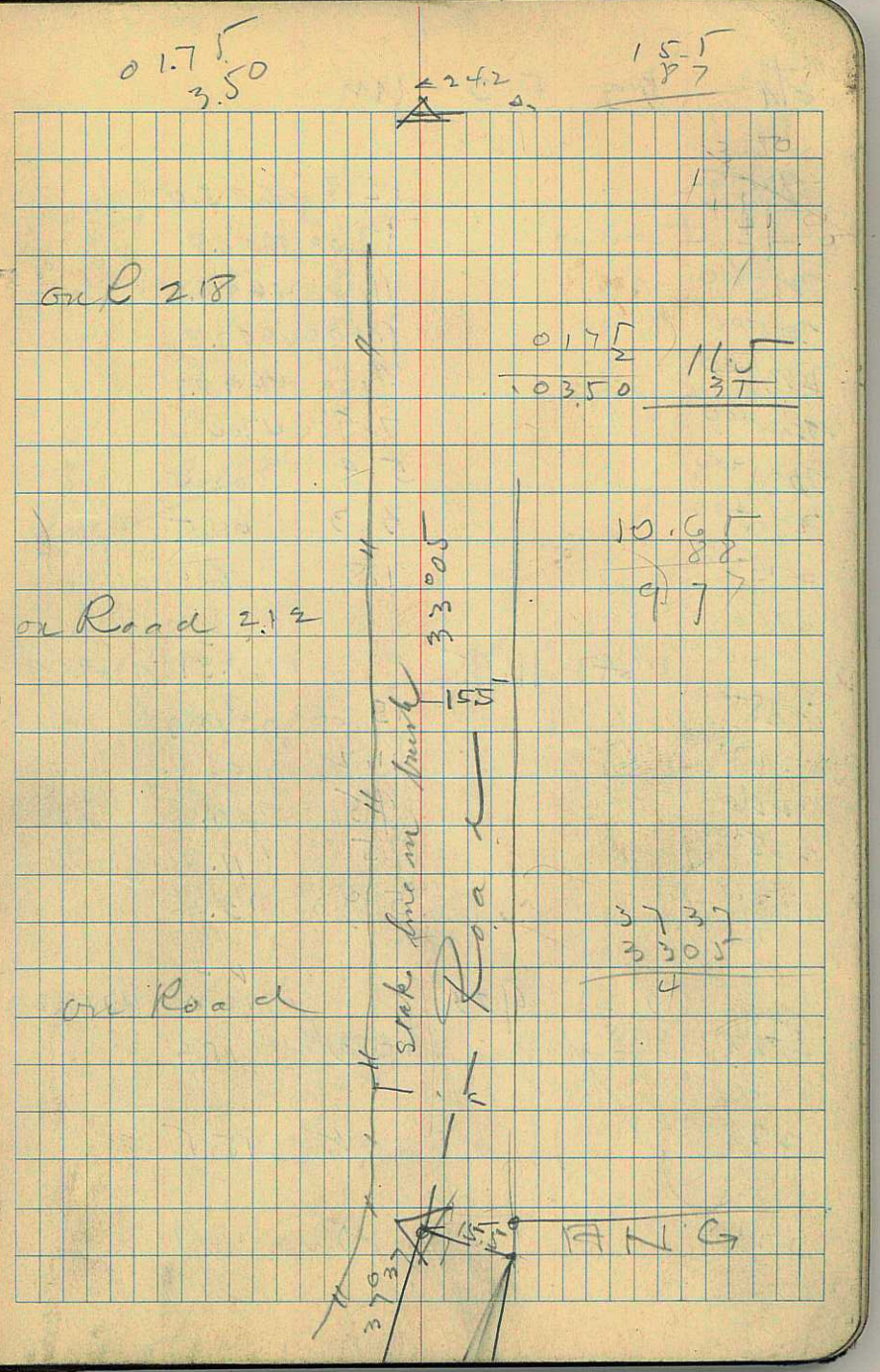
Sta	BS	FS	HI	Elev	HI
190+00			7.5	70.89	
189+00			2.20	76.19	
+40	0.27	11.75		4778.17	4778.39
188+00			10.9	79.	
187+00			7.80	82.12	
186+45			6.80	83.12	
186+45			9.00	80.92	
	2.00	10.56		4787.92	4789.92
186+00			11.80	4786.7	
185+45					
				4718.311.26	
185+00			4.0	4794.50	
	1.56	11.95		4796.92	4798.48
184+00			8x4	4800.47	
183+00			4.80	04.07	
182			2.1	06.77	
181+25			0.60	4508.27	
	0.85	10.87		4808.02	4808.87
181+00			10.5	08.39	
180+00			10.1	08.79	
179			8.4	10.4.9	
178			6.6	12.29	4518.89



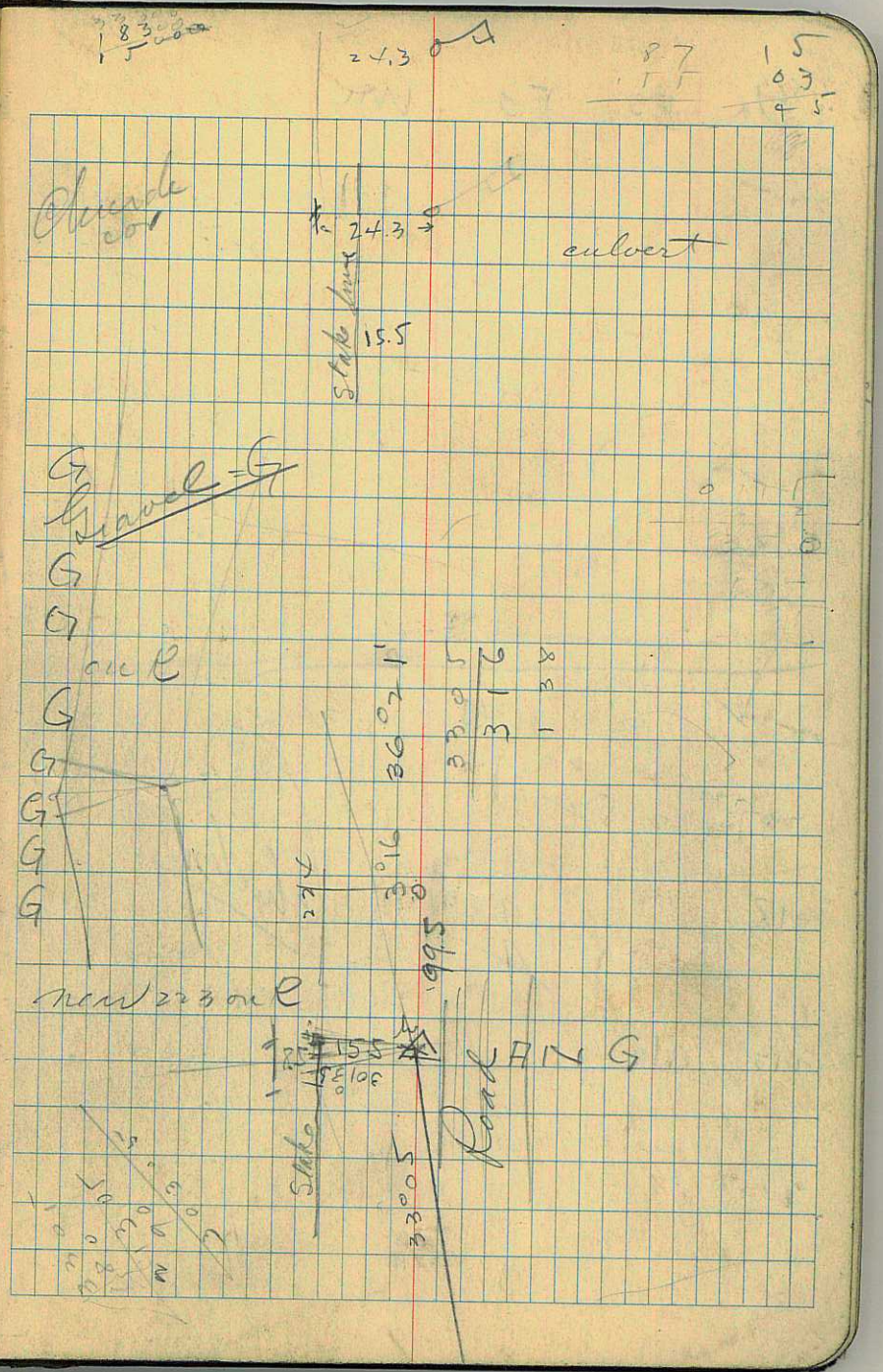
Sta	BS	FS	HI	Elev	H I
206+00			7.5	42.35	
205			7.9	41.95	
204			3.7	46.15	
203+00			0.8±	49.00	
	0.85	10.08		4749.00	4749.85
202+00			9.4	4749.7	
201+00			7.7	51.4	
200+00			5.00	54.1	
+65 cul.			7.4	51.7	
199			4.7	54.4	
				4756.80	
	2.22	11.85		4756.86	4759.08
198+00			12.8	55.9	
197+00			10.4	58.3	
196+00			8.2	60.5	
195+00			6.5	62.2	
194+00			4.3	64.4	
	1.40	11.08		4767.31	4768.71
193			11.7	66.69	
192+00			10.1	68.29	
191			9.80	4768.59	
190+00			7.5	70.89	
189+00			2.20	76.19	4778.39



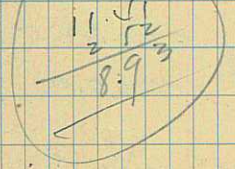
Sta	BS	FS	HI		
221			8.00	17.9	
220			4.80	21.1	
219			3.70	22.2	
	2.80	10.65		4723.08	4725.88
218			12.0	21.7	
217			9.5	24.2	
216			7.5	26.2	
215			9.5±	24.2	
214			5.3	28.4	
213			3.00	30.1	
	0.88	10.60		4732.85	4733.73
212			10.5	32.9	
211+00			9.3	34.1	
210+00			8.4	35.0	
209+00			5.8	37.6	
208+00			3.4	40.0	
+20	1.62	8.02		424.83	4743.45
207+00	56.28		7.50	42.35	
203+00 PI					



Sta	BS	FS	HI		
235+50 +			12.8	4695.0	
			17.00	469 0.8	
235+00			11.6	4696.2	
234+00			10.00	4697.8	
233+00			9.1	4698.7	
232+00			7.9	4700	
231+00			5.4	02.4	
230+00			3.3	04.5	
229+00			1.8	06.0	
227+70	0.48	11.95		4707.31	4702.79
228+00			15.00	47.67 04.3	
227+00			11.2	08.1	
226			9.5	4709.8	
225+00			7.5	11.8	
224			5.90	13.4	
PT 223	3.21 / 61.58	9.83		4716.05	4719.26
			10.3	15.6	
222			10.4	15.5	
221			8.00	17.9	



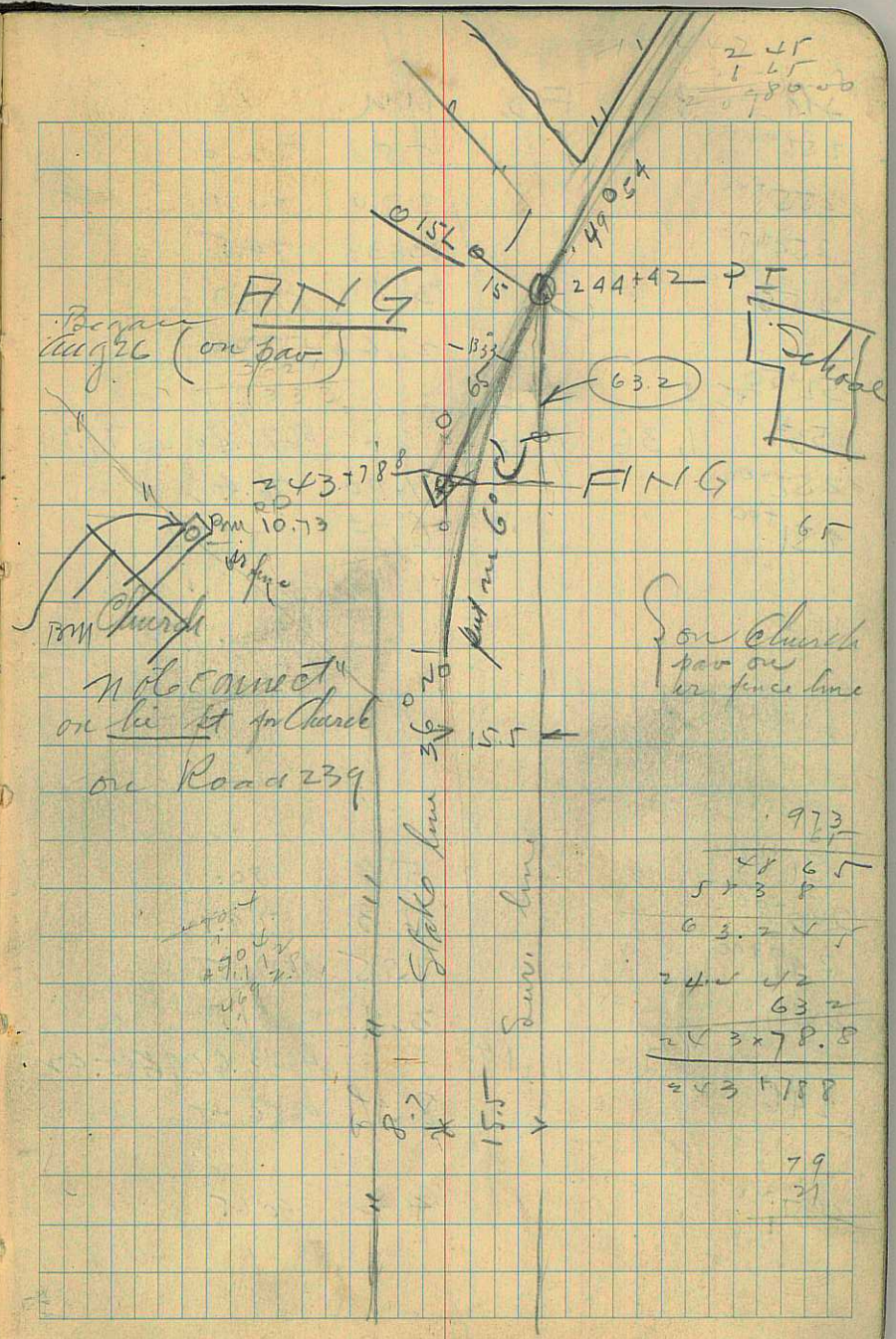
Sta	BS	FS	HPC
217		11.45	
207+20	2.52		
218		9.83	
217	0.10		



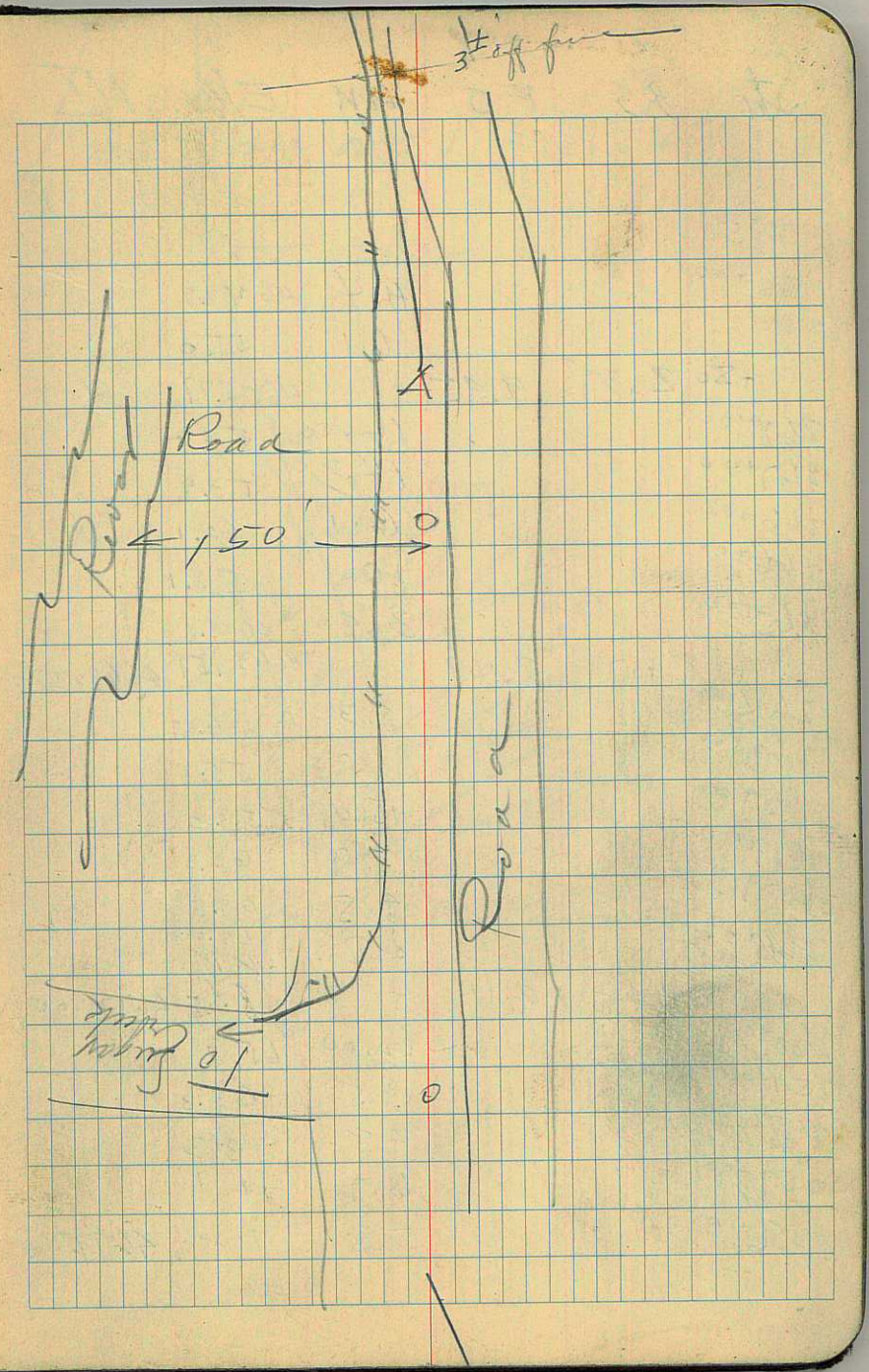
9.93

10.40
1.62
8.78

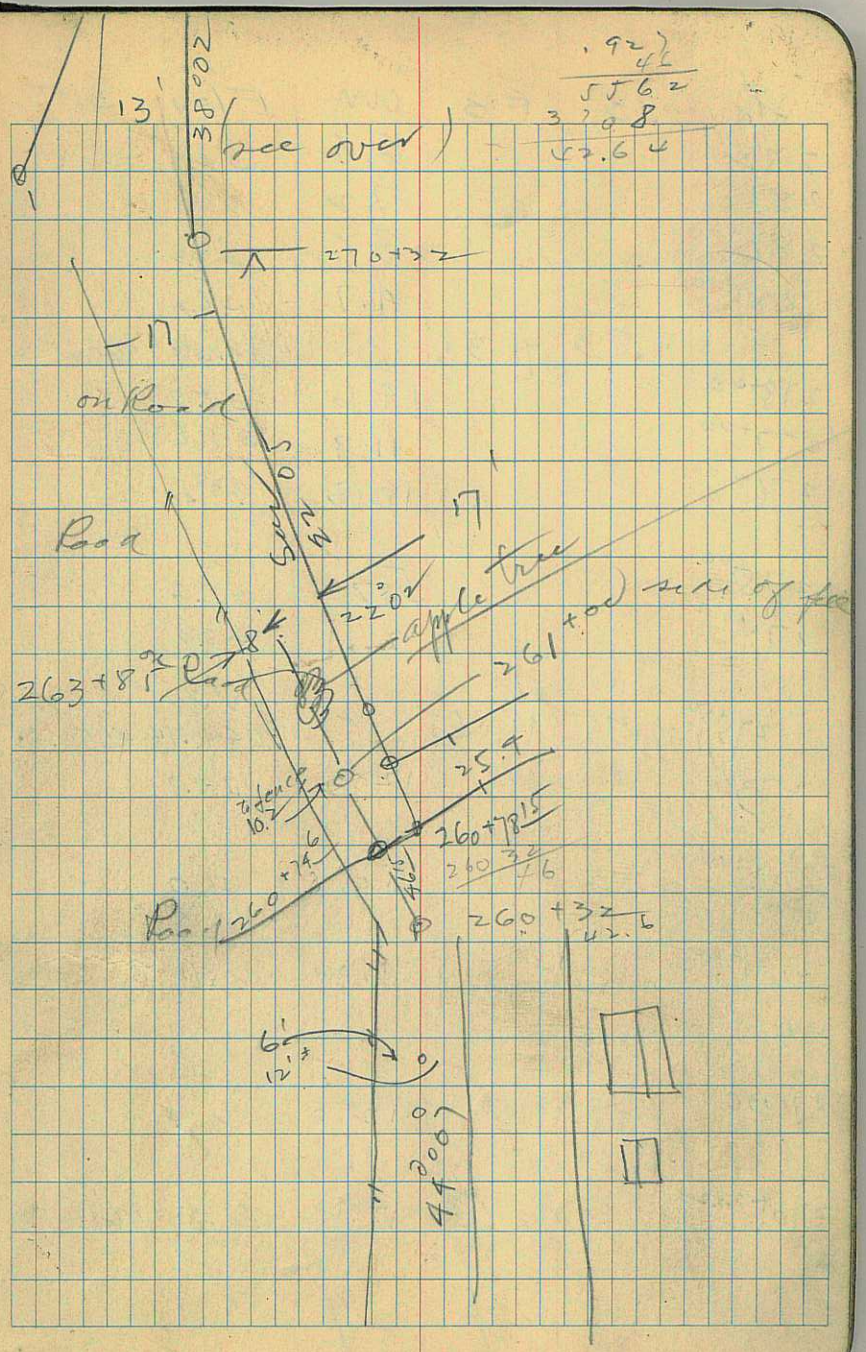
Sta	BS	FS	HI	Elev	H.I.
245+00			9.2	90.65	
244+42 PI			2.30	92.55	
Church BM	1.58				4694.85
		11.5			
244+00			11.2	4692.8	
243+78.8 PI					
243+00			9.00	4697.70	
242+00			6.40	4691.59	
church BM			10×7.2	4693.27	
241+00			3.50	4700.5	
240+00			2.7	4701.3	
	3.60	7.40		4700.39	4703.99
239+00			7.8	4700.0	
238+00			11.2	4696.6	
237+00			12.5	4695.3	
236+50			18.00	4689.8	
235+50			12.8	4695.0	4707.79



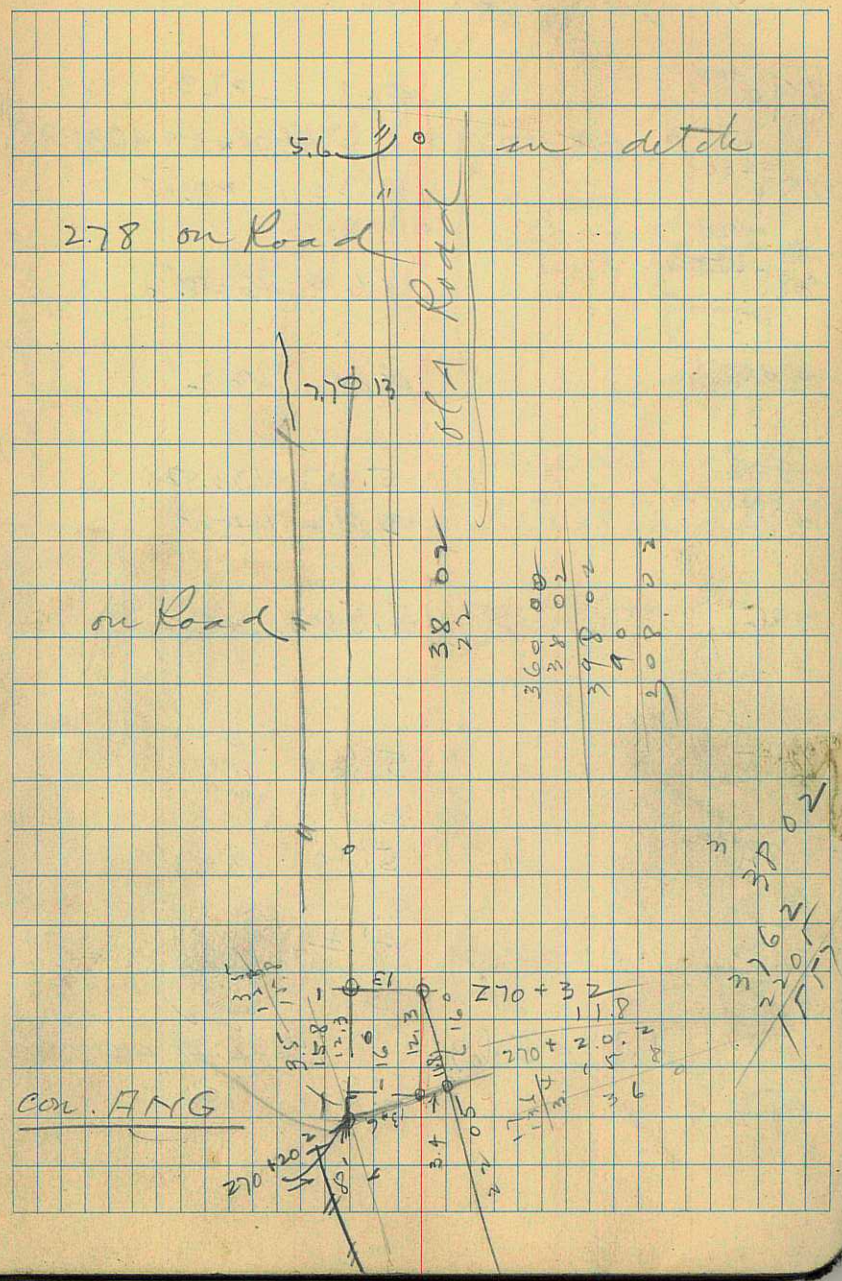
Sta	BS	FS	Cut		
256+00			5.80	72.0	
255+00			3.70	74.1	
254+00			3.30	74.5	
253+00			3.10	74.7	
			2.60±	75.2	
252+50 PI					
253±	1.36	9.0± TP on Rock		4676.40	4677.76
252+00			9.00	96.40	
251+00			6.7±	78.7	
250+00			5.4	80.	
249+00			6.3	79.1	
248+00			7.85	4677.53	
247			3.9	81.50	
	1.76	11.19		4683.64	4685.4±
246			8.4	4686.45	
245+00			4.2	90.65	



Sta	BS	FS	cm	Elev	HI
270+32					
270+00			11.4	4649.7	
269			6.1	55.0	
+50	2.37	9.45		4658.77	4661.14
268+00			16.00	52.2	
267+00			14.3	53.9	
266+00			6.1	62.1	
266+00			10.1	58.1	
265+00			3.40	64.8	
	4.71	8.49		4663.51	4668.22
264+00			8.3	63.7	
263+00			16.8	55.2	
262+00			15.0	57.0	
261+00			8.7	63.3	
260+78.15			4.5	67.5	
260+32			9.8	67.2	
	3.35	9.11		4668.65	4672.00
260+00			12.00	65.8	
259+00			14.5	63.3	
258+00			4.5	73.3	
257+00			6.7	71.1	
256+00			5.8	72	4677.76



Sta	BS	FS	cm	Elev	HT
282			6.6	34.3	
281			7.2	33.7	
280+00			8.6	32.3	
279+00			4.7	36.2	
	1.83	11.36		4639.09	4690.92
278+00			14.6	35.8	
277+00			11.8	38.6	
276+00			10.3	40.1	
275+00			5x2	45.2	
274			2x1	48.3	
273+50	0.71	11.4		4649.74	4650.45
273			12.3	48.8	
272+00			10.1	5x0	
271+00			11.00	50x1	
270+36	O.T.		12.0	49.1	
270+20.2			12.6	48.5	4661.14



Sta	BS	FS	HI		
290+00			4+1	27.3	
	3.09	10.70		4628.29	4631.38
289+00			11.30	27.1	
+20					
288+00			11.0	4628.	
287+00			9.00	4630.	
286			5.07	4633.92	
BM 286			3.92	4635.07	
286+00			7.50	31.5	
285			5.60	33.4	
284+00			5.70	33.3	
283			8'±	31.	
283	3.70	5.63		4635.29	4638.99
282+00			6.6	34.3	

on grade 289

Drainage ditch

0.13

Cross fence with gate and brace

on Road

over Road to bridge

on top 6"x8" upright

100' → 0 ⊤ POT

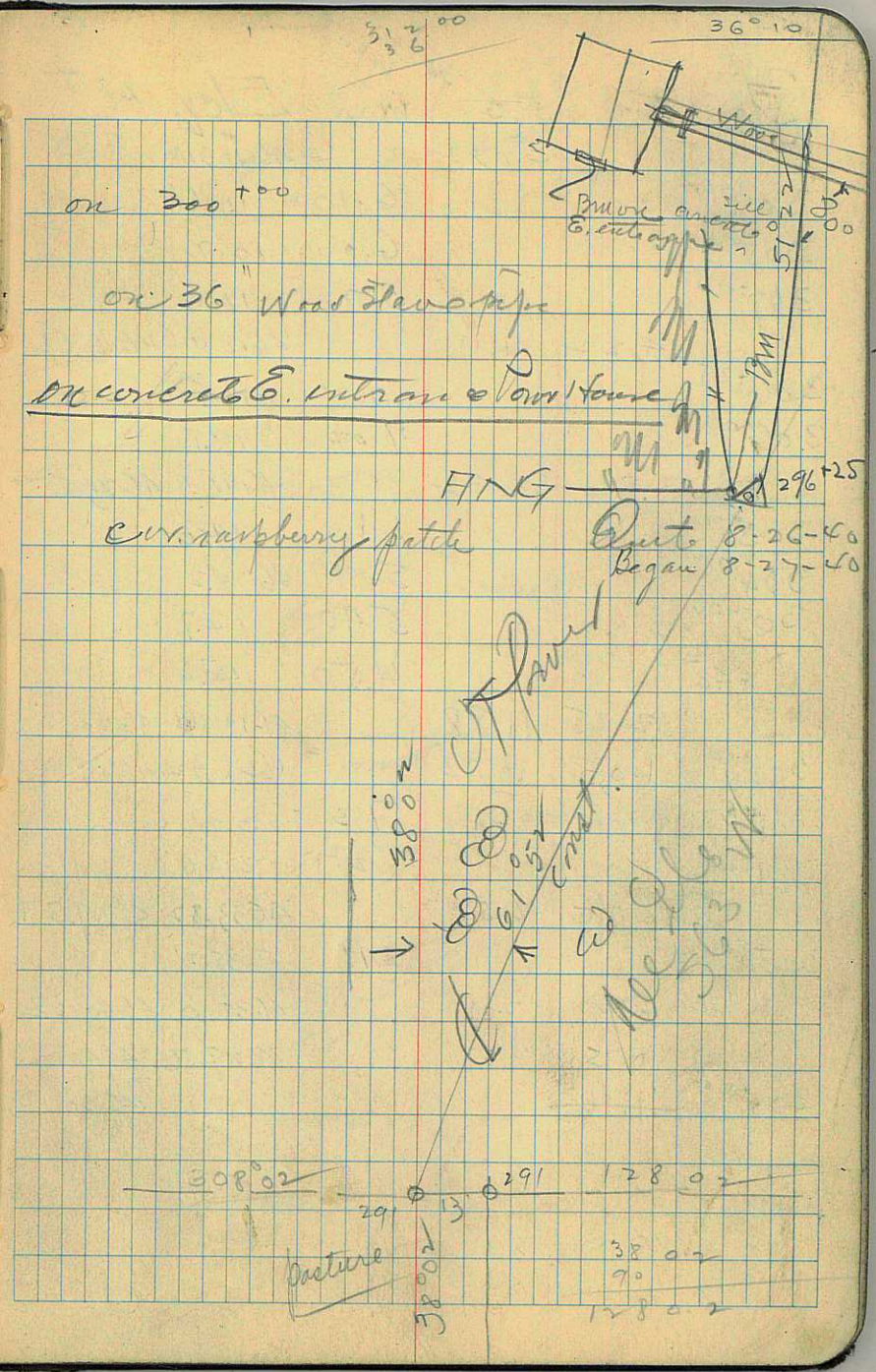
Road

38.2

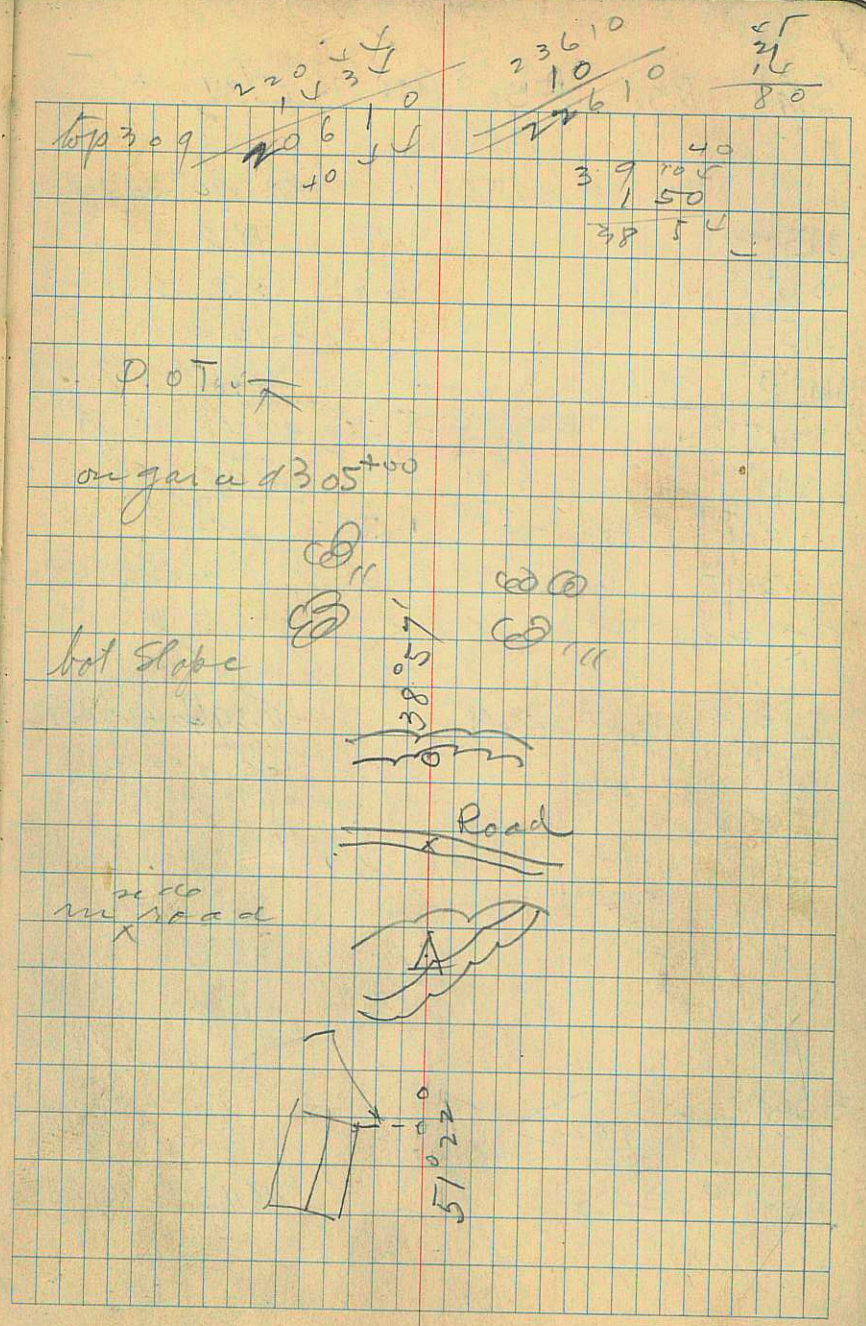
swamp (fill in)

on Road

Sta	BS	FS	HI	Elev	HI
	11.16	6.55		4618.7	4630.13
300+00			7.2	4618.30	
299+24			2.11	23.39	
299+00			5.10	4745.9	20.4
PMK				54	
			5.78	4619.74	
298+00			4.30	21.2	
297+00			4.00	21.5	
PMK by Formula					
5'	3.06	5.73		4622.46	4625.52
296+25			6.30	21.9	
296+00			6.2	22.0	
295+00			5.60	22.6	
294.10			3.00	25.2	
293			3.50	24.7	
	4x12	7.31		4624.07	4628.19
292+00			7.00	24.4	
291+00			6.30	25.1	4631.38



Sta	BS	FS		Elev.	HT
		5.32		4611.34	
309+00			6.10	10.6	
308+00			6.00	10.7	
307+00			5.7	11.0	
	4.22	11.11		4612.44	4616.66
306+25			10.00	13.5	
306+00			9.00	14.1	
	3.86	0.42		4619.69	4623.55
305+00			1.1	19.0	
304+00			5.9	461 4.2	
303+00			5.40	14.7	
+40			4.50	15.6	
	2.25	11.88		4617.86	4620.11
302+00	1.00	10.83		4628.74	4629.74
+37	Road bars		7.3	32.3	
301+00			2.7	36.9	
20 (B)	5.75	6.50		4633.82	4639.57
300+80			2.11	38.21	
#2	2.32	2.31		4638.00	4640.32
#1	10.75	0.57		4629.57	4640.31
300+06	~~11.16~~				4630.13



Sta	BS	FS	HI	Elev	HI
	12.10	0.36		4678.90	4691.00
317+00			1.00	78.3	
316+00			6.00	73.3	
315+00			9.30	4670.0	
314+73	9.40			4669.86	4679.26
				-61.3	
311+00	10	11.85	-7°50'	4613.50	
310+00	7	-6°21'	11.65	-60.3	
309+10	6	-5°48'	11.50	4614.5	
309+00	6	5°39'	11.65	4669.86	4674.76
C/L = 314+73					
314+73		4×9			
309+10	63.42				
309+00	63.62			4611.24	4674.76

3-3-1941 Direct levels given this sta 4670.25
Lg. + (+.39)

Top stake

Eq. — 21.3

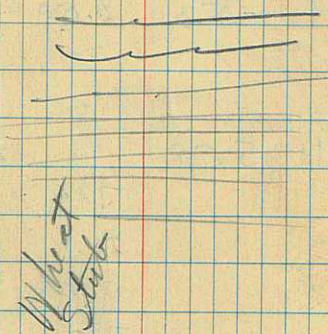
Top stake

Ht I 9.9

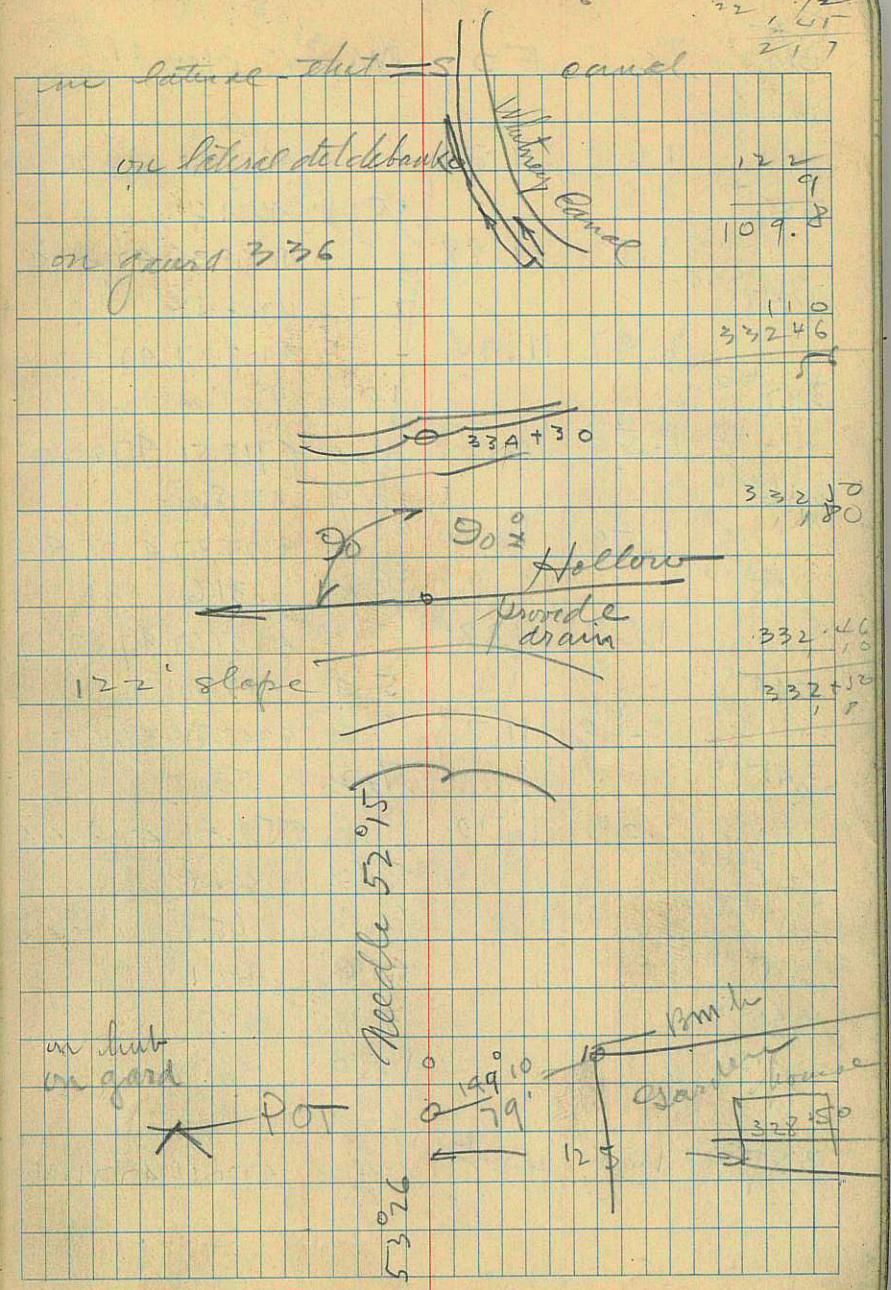
Ht Shoulder 314+52.3

Top

Sta	BS	FS	mm	Elev	HI
	11.05	0.27		4761.91	4772.96
328+00			3.6	58.6	
327+75			8.6	53.6	
	11.61	1.01		4750.57	4762.18
	12.20	0.59		4739.38	4751.58
327			11.00	29.00	
326+80			13.5	26.5	
326			7.1	32.9	
	9.52	1.66		4730.45	4739.97
	10.36	0.4			
	9.66	1.25			
	11.15	1.30			
	11.7	1.47		4692.17	
325+00			7.00	87.6	
+87			13.00	81.6	
324+00			17.00	77.6	
323+06			15.7	78.9	
322+00			14.00	80.6	
321+06			10.0	84.6	
320+00			6.5	88.1	
319+00			4.4	90.2	
+47			5.5	89.1	
~~+97~~	4.75	1.11		4689.89	4694.64
318+00			6.6	4684.4	4691.00

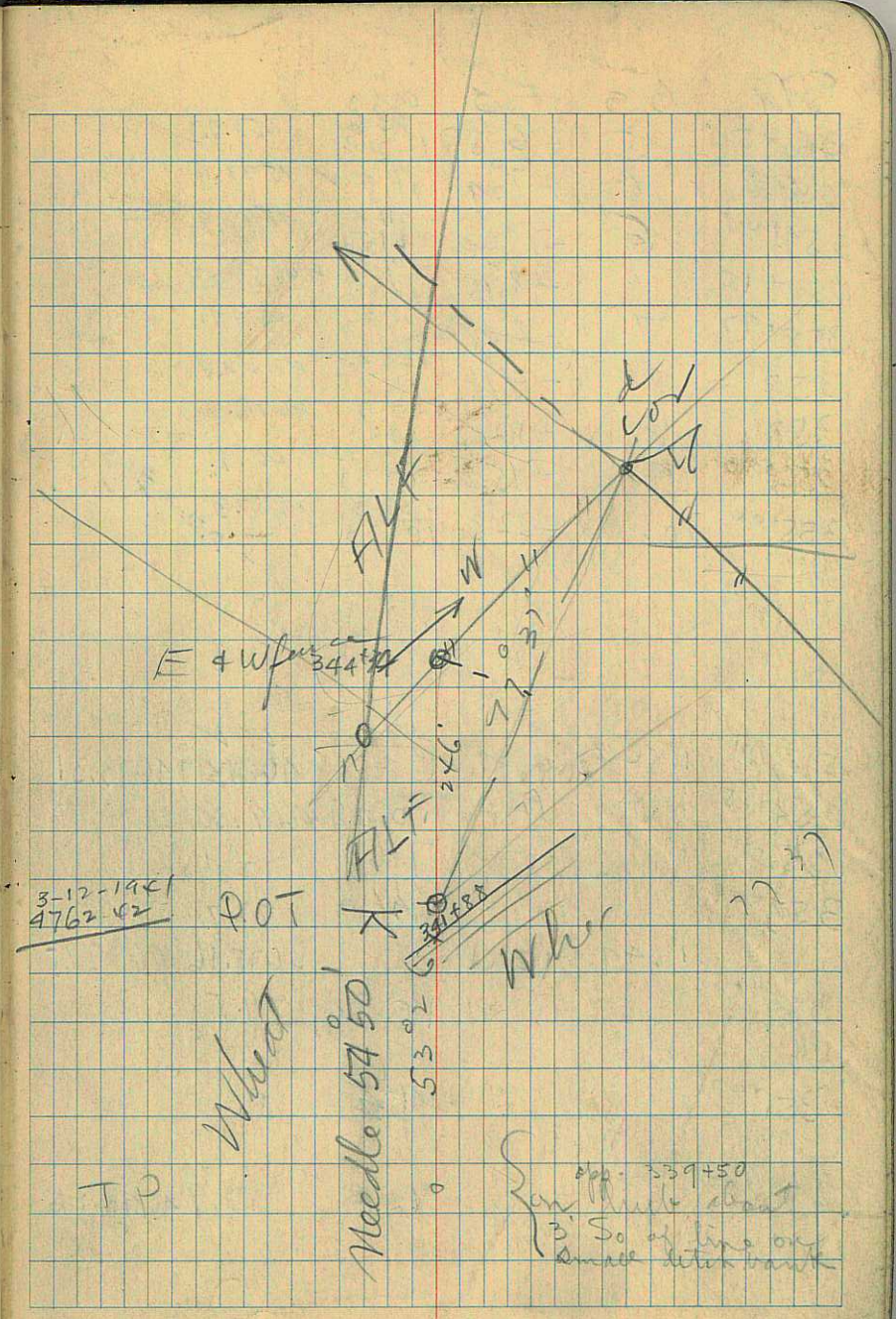


Sta	BS	FS	HPC	Elev	HI
339+00			5.1	69.8	
339+00			3.2	71.7	
338+00			3.50	71.4	
337+00			5.1	69.8	
	5.56	1.12		4769.37	4774.93
336			1.75	68.5	
335+00			3.90	67.10	
334+30			11.40	4759.10	
333+56		-25°30	8.00	-60.5 4710.	
332+50					
332+46					
	3.31	5.78		4767.18	4770.49
332+46			7.4	65.6	
332+00			7.1	65.9	
331+00			8.40	64.6	
330+00			7.8	65.2	
Bm 329+10			2.17	70.79	
329+00			1.43	71.51	
328+50			6.15	66.84	
			8.1	64.9	4772.96

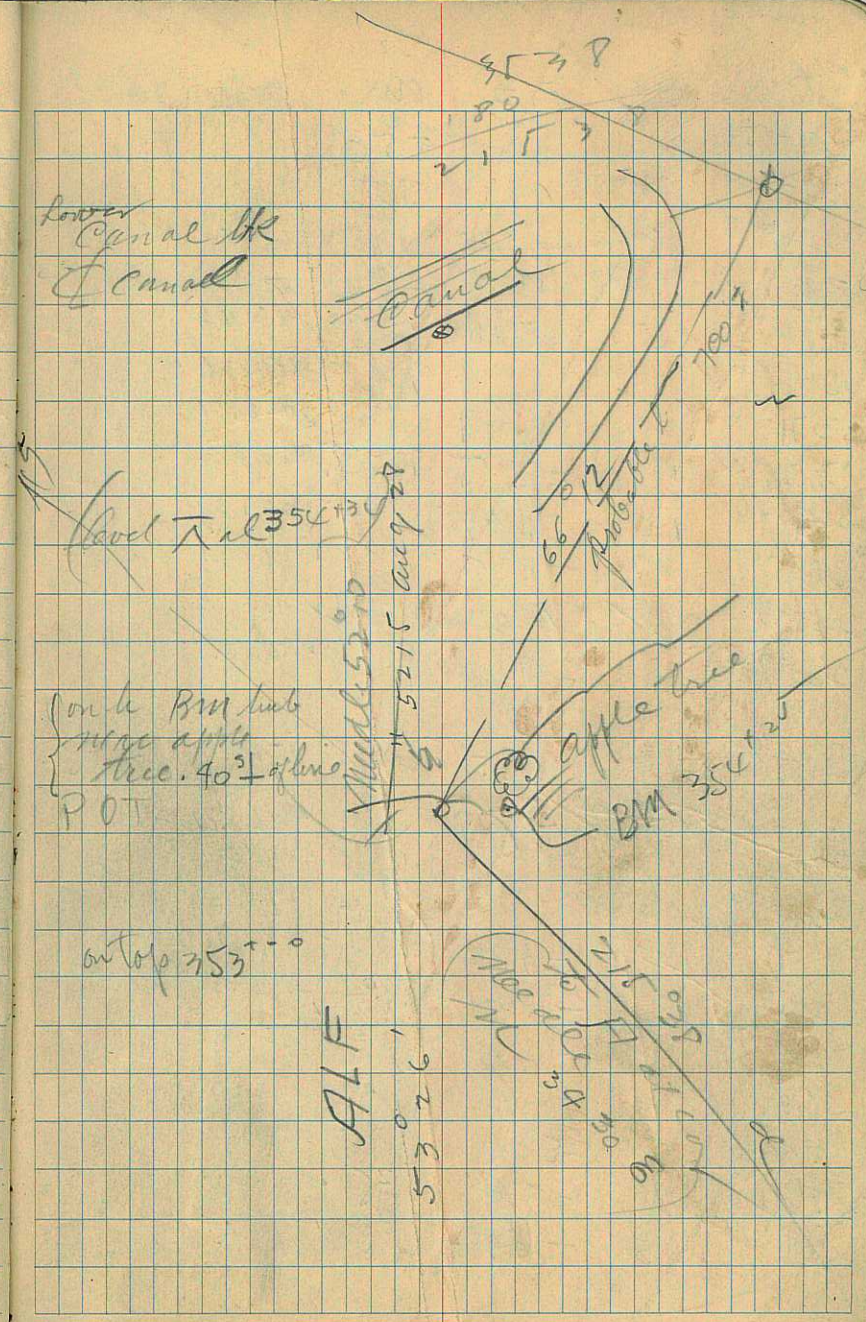


Sta	BS	FS	HI	Elev	HI
	1.6 ℄	11.57		4688.62	4690.26
349+00			10.6	4689.6	
	1.83	11.88		4698.36	4700.19
348+00			7.7	4702.54	
	1.97	11.74		4708.27	4710.24
347+00			10.6	4709.4	
	1.50	10.45		4718.51	4720.01
346+00			10.9	4718.00	
	1.59	12.00		4727.37	4728.96
345+00			7.8	31.6	
	1.68	11.88		4737.67	4739.37
344+00			5.9	43.7	
	0.83	11.70		4748.74	4749.57
343+00			7.2	53.2	
	1.03	11.70		4759.41	4760.44
342+00			8.6	62.5	
341+65			6.1	65.	
341+00			4.0	67.1	
340+50			3.30	67.8	
339+50			1.80	70.3	
339+50	1.00	4.82		4770.11	4771.11

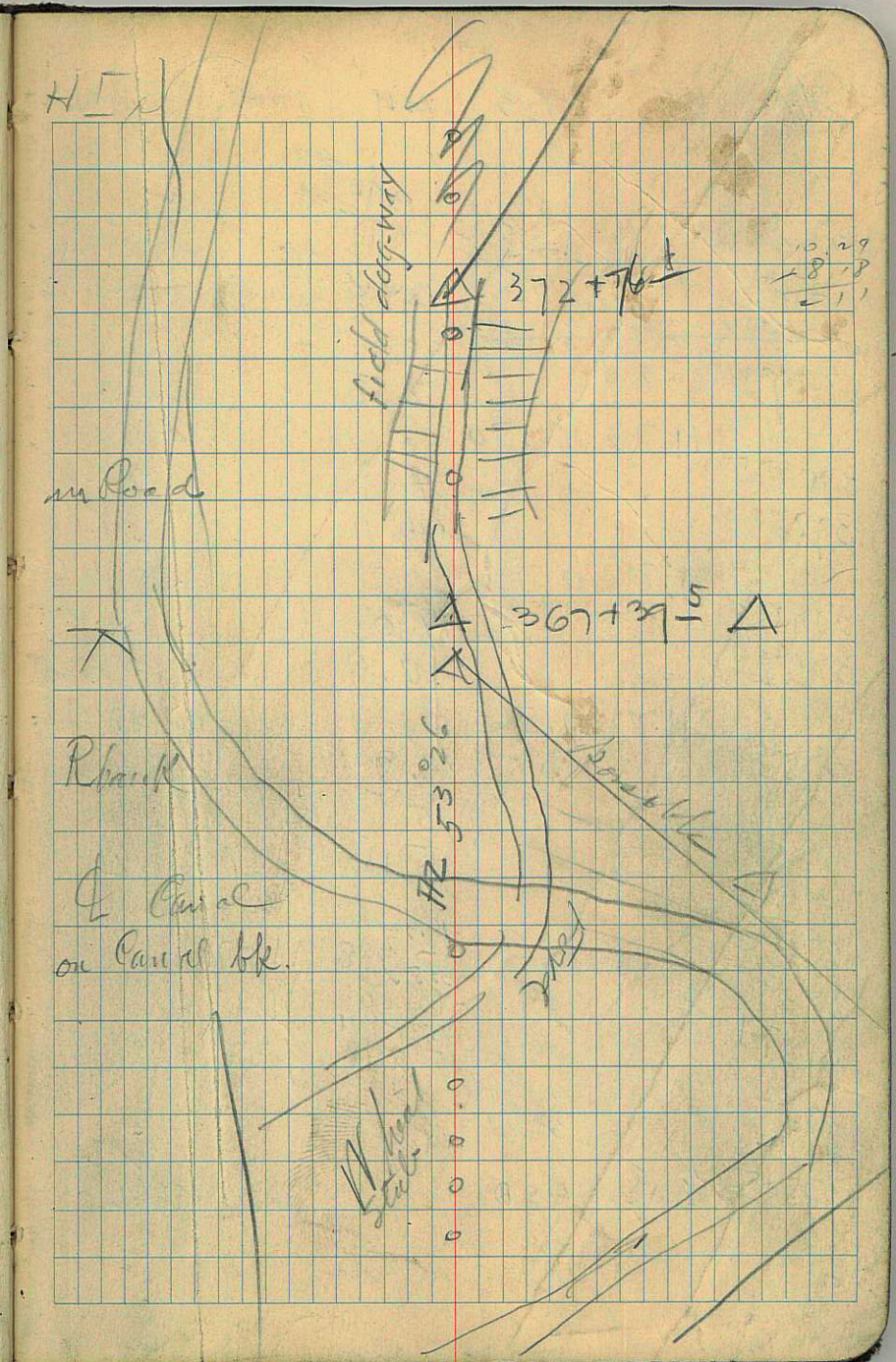
339.26+.12


E + W for 344+00
Fix
Nail
Nail
Nail

Sta	BS	FS	elev	
360+50	5	−6°58	−83.6 11.27	4589.7
359.87	6	−7°29	−79.7 11.5 ✓	4593 6
359+44	6	−7°20	−74.4 11.2	4698.9
359+10	7	−8°15'	−79.1 11.9	4594.2
358+97	7	−8°08	−75.3 11.7	4598.
358	8	−9°11	−69.4 11.78	4603.9
357	8	−10°25	−57.3 10.7	4616.0
356+00	9	−15°26	−54.3 10.75	4619.
355+00	10.	−22°30	−36.3 10.73	4637.0
359+25 BM	1.84	8.18		4671.47 4673.31
354+25			10.29	4669.36
354+00			7.6	72.1
353+00			4.0	77.7
	1.49	12.1		4678.16 4679.65
352+00			10.80	79.5
351+00			9.25	81.05
350+00			6.4	83.9 4690.26



Sta	BS	FS	HI	Elev	HI
375+50			5.50		
375+00			7.5		
374+00	8	-1°20'	11.5	4652.6	
373+00	10	11.2	-4°16'	4641.8	
372+00	5	-7°11'	-25.8 / 6.6	4645.	
371+25			1.45	4669.36	
371+00	11	-18°43'	-34 / 11.7	4636.8	
370+00	11.0	-27.55	-47.9 / 11.87	4623.14	
369+00	10	-16°43'	-57.8 / 11.7	4613	
368+00	9	-11°25'	-61.7 / 11.6	4609.1	
367+39	8	9°27'	-60.6 / 11.24	4610.2	
367+00	8	-9°20'	-68 / 11.64	4602.8	
366+40	7	-8°50'	-73.60 / 11.25	4597.2	
	2.80	5.30	0°	4668.01	4670.81
366+00	6	12	-79.1 / -3.17	4594.3	
365+	0	-3°26	-71.9 / 11.1	4601.0	
365	1	-3°51'	-78.0 / 11.7	4595.30	
364+82	1	-4°03	-80.2 / 11.5	4593.1	
364	2	-4°41'	-86.7 / 11.8	4586.6	
363	3	-5°20'	-81.8 / 11.7	4585.5	
362	4	-5°55	-87.2 / 11.75	4586.1	
361	5	-6°34	-85.4 / 11.8	4587.9	4673.31



Sta	BS	FS	HI		Elev
379+50		1.25			4705.31
379+10 BM			1.44		4705.12
379+50		1.25			
379+00			7.50		4699
	11.73	0.70			4694.83
378+75			4.1		91.4
378+00			14.1		81.4
	11.89	0.73			4683.64
377+00			7.0		77.4
376+00			10.9		73.5
	11.77	1.56			4672.60
375+082			4.8		4669.4
375+00			5.15		4669.05
374+00		10	-16.3 -3.08	11.07	4657.9
373+00		9	-32.5 -6.00	11.1	4641.7
372+761		9	-31.7 -5.10	11.37	4642.5
375+56	8.15	4.80			4666.01

346.83 − 75.21 = 271.62

390.37 − 375.35

HI

By Nalley's mail box

P.O.T.

4706.56

4695.53

4684.37

P.O.T.

Meade 60°

(Cross Dam)

ANGR

4674.16

on solid rock 3 to 1 slope

.0116 × 3000 = 34.8

110.29 − 8.18 = 102.11 − 1.8 = 100.31

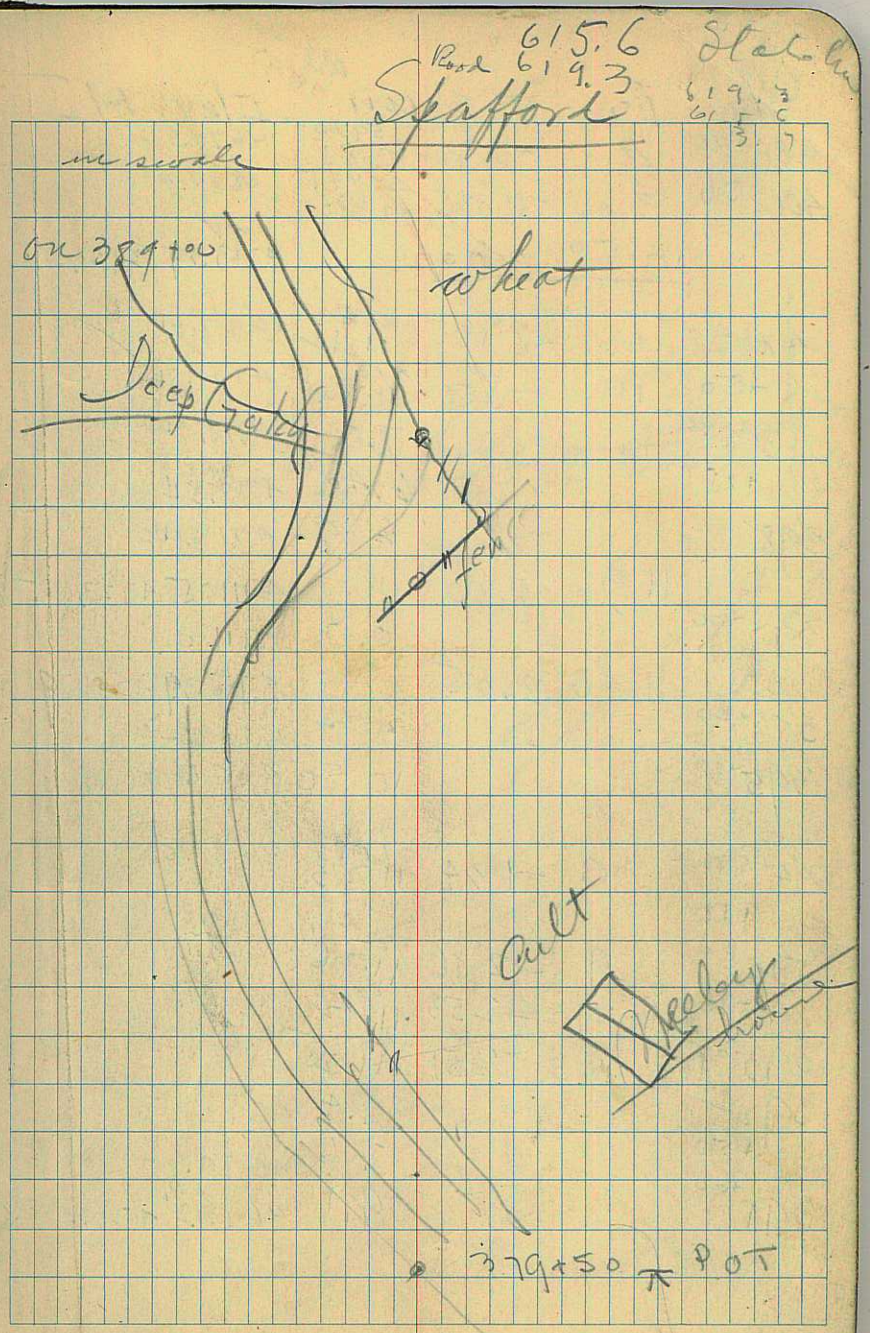
100.31 − 1.3 = 99.01 − 3.36 = 95.65

95.65 − 4.0 = 91.65

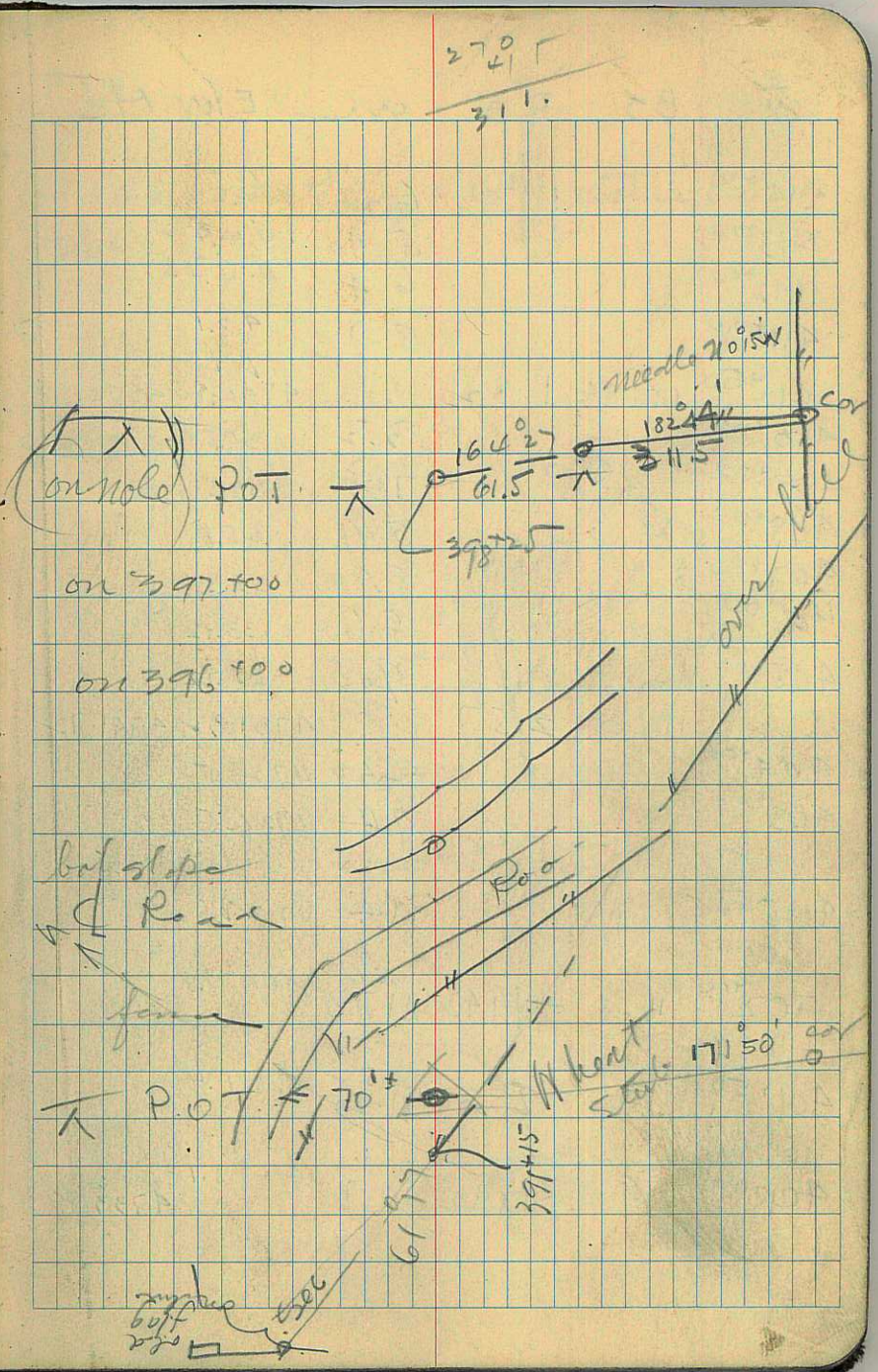
Stamped 8-29-40

Sta	BS	FS	HI	Elev	HI
+35			14.5	4687.9	
390+00			11.8	4690.6	
	10.60	0.20		4691.84	4702.44
389+00			0.9	91.1	
388			9.6	82.4	
387+00			10.7	81.3	
+82			10.6	81.4	
~~+82~~			~~10.6~~		
386+00			12.6	79.4	
+85			10.6	81.4	
385+00			11.3	80.7	
384+00			11.8	80.2	
+50			6.6	85.4	
	1.80	11.57		4690.24	4692.04
383+00			5.5	4696.31	
	1.63	9.90		4700.18	4701.81
+50			6.80	4703.3	
382+00			5.90	04.2	
381+00			5.30	04.8	
386+50			5.30	4704.8	
380+00 Not from typical plot	4.96		5.7	4704.4 / 4705.12	4710.08

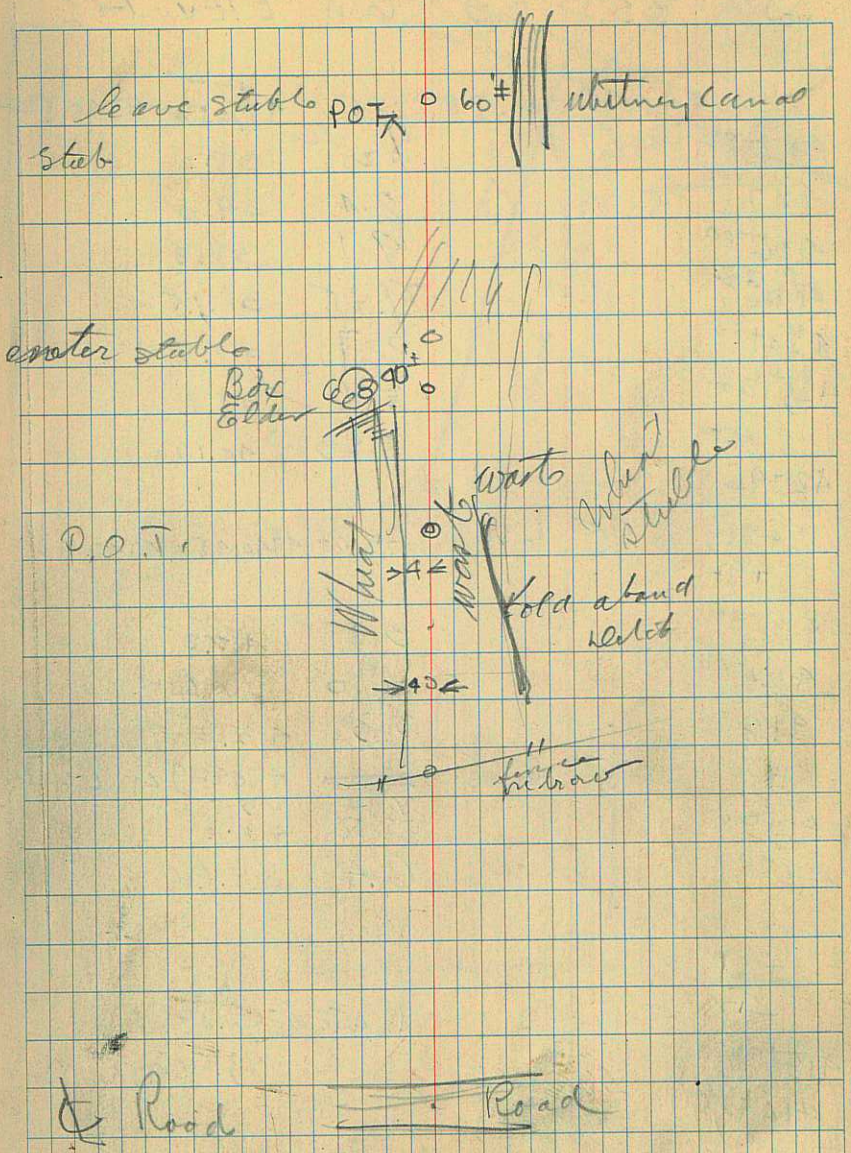
3.98-7.6 = 79.02 FS



Sta	BS	FS	HI	Elev	H I
400+90	9	-16°12	10.85	4674.9	
400+50	3.00	-11°5C	5.10	4684.4	
	10.50	0.30		4723.39	4733.89
400+00	10	-8°10'	11.12	4697.44	
+50	11	-5°56'	11.6	4705.74	
399+00			7.8	4715.94	
+25			6.40	4717.34	
398			6.9	4716.84	
	11.90	0.00		4711.75	4723.65
397+00			0.7	4711.0	
	11.40	2.05		4700.39	4711.79
396+00			2.	4700.2	
395+00			10.80	4691.6	
394+50	9	-1°34'	11.73	4684.6	
+10					
394+00	9	-2°46	11.26	4681.4	
+86	9	-2°53	11.12	4681.6	
393+00	10	-2°51	11.25	4685.7	
392+00			9.4	4693.0	
+50			7.6	4694.8	
391+00			9.1	4693.3	4702.4

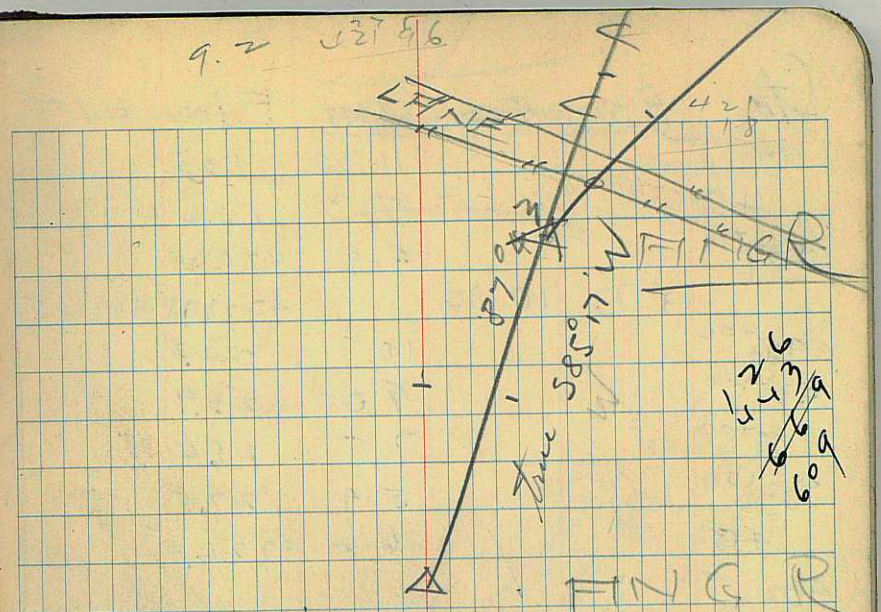


Sta	BS	FS	ir	Elev	HI
414+00			6.22	44.62	
413+00			5.90	44.9	
412+00			6.4	44.4	
411+00			8.7	42.1	
410+50	10.44	1.32		4740.40	4750.84
410+00			3.2	38.5	
409+00			7.2	34.5	
408+00	45°3.56' 185.26		5.9	35.8	
407+00			8.40	33.3	
406+00			8.60	33.12	
405+00			9.00	32.72	
	10x40	2.57		4731.32	4741.72
404+00			4.40	47295	
403+00			7.14	4726.5	
+52					
402+50			11.4	47 22.5	
402+00	11.0	−19°42	−34.6 11.73	4699.3	
401+50	10	−21°30'	−52.5 11.25	4681.4	
401+00	9	−17°40	−58.8 10.7	4675.1	4733.89

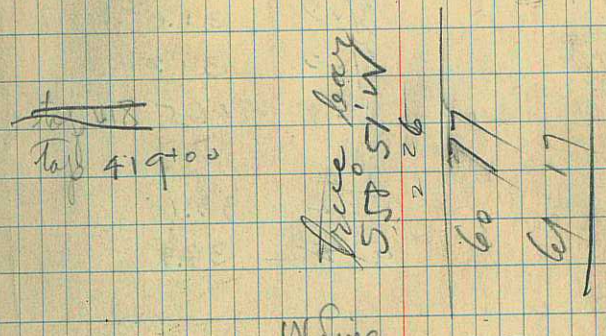


Sta	BS	FS	HI	Elev	
	4.00	10.88		4736.52	4740.52
427+80			9.2	38.12	
427+00			8.4	39.0	
426+00			9.1	38.3	
425+00			9.25	38.15	
424+00			8.7	38.7	
423+00			8.6	38.8	
+92			7.23	40.17	
421+96					
+80	6.95	6.19		4740.45	4747.40
+92					
421+00			3.8	42.8	
420+00			2.0	44.6	
419			3.3	43.3	
418	2.45	6.65	~~7.00~~	4744.19	4746.64
418			~~7.00~~	43.8	
417+00			5.8	45.0	
416+00			6.4	44.44	
+87					
+17			6.45	4744.39	
415+00			7.2	43.64	4750.84
414+34					
414+00					

9.2 427+96



Base on boulder 3' Rt Sta
P.O.T.

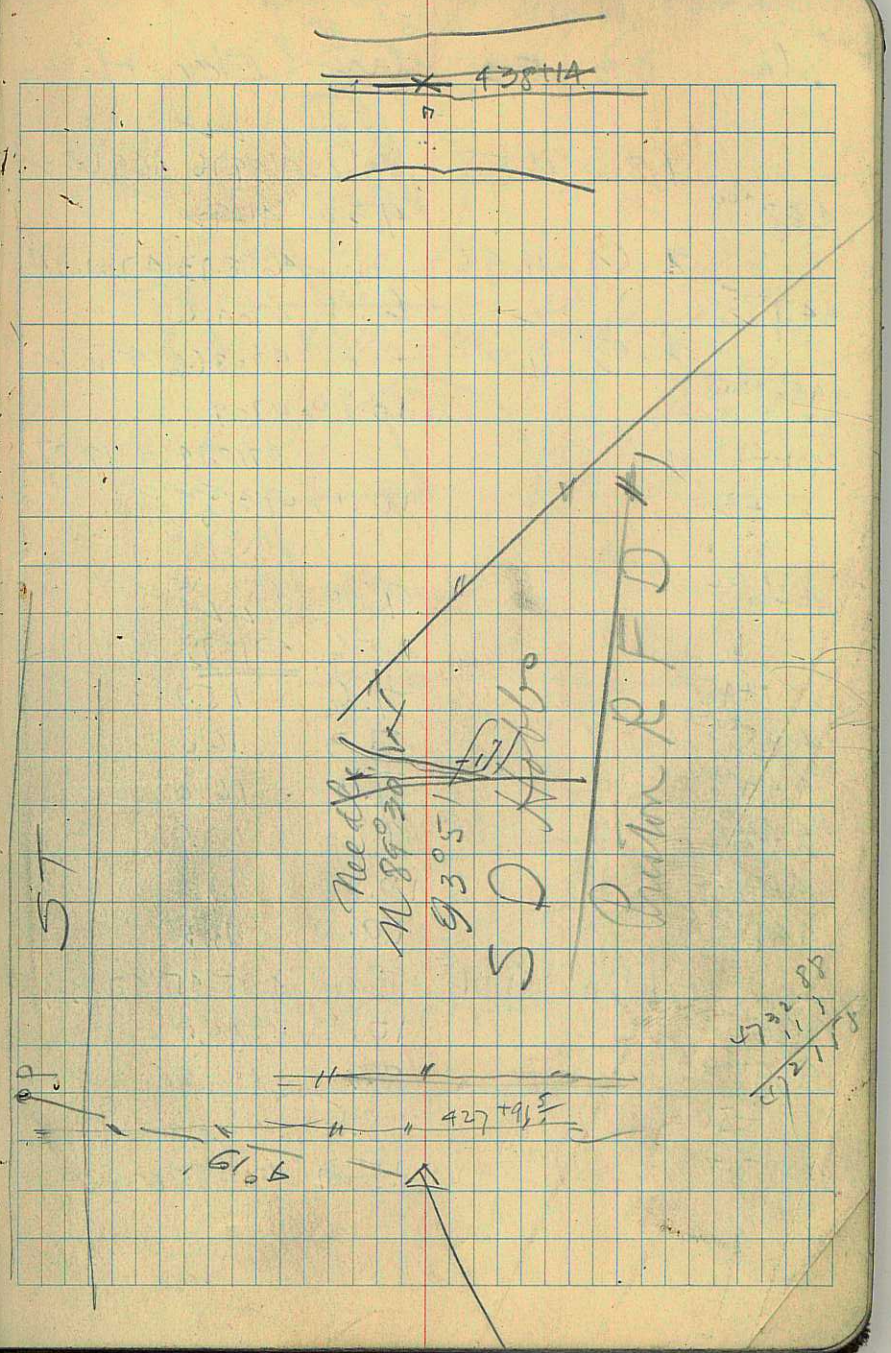


Wire fence

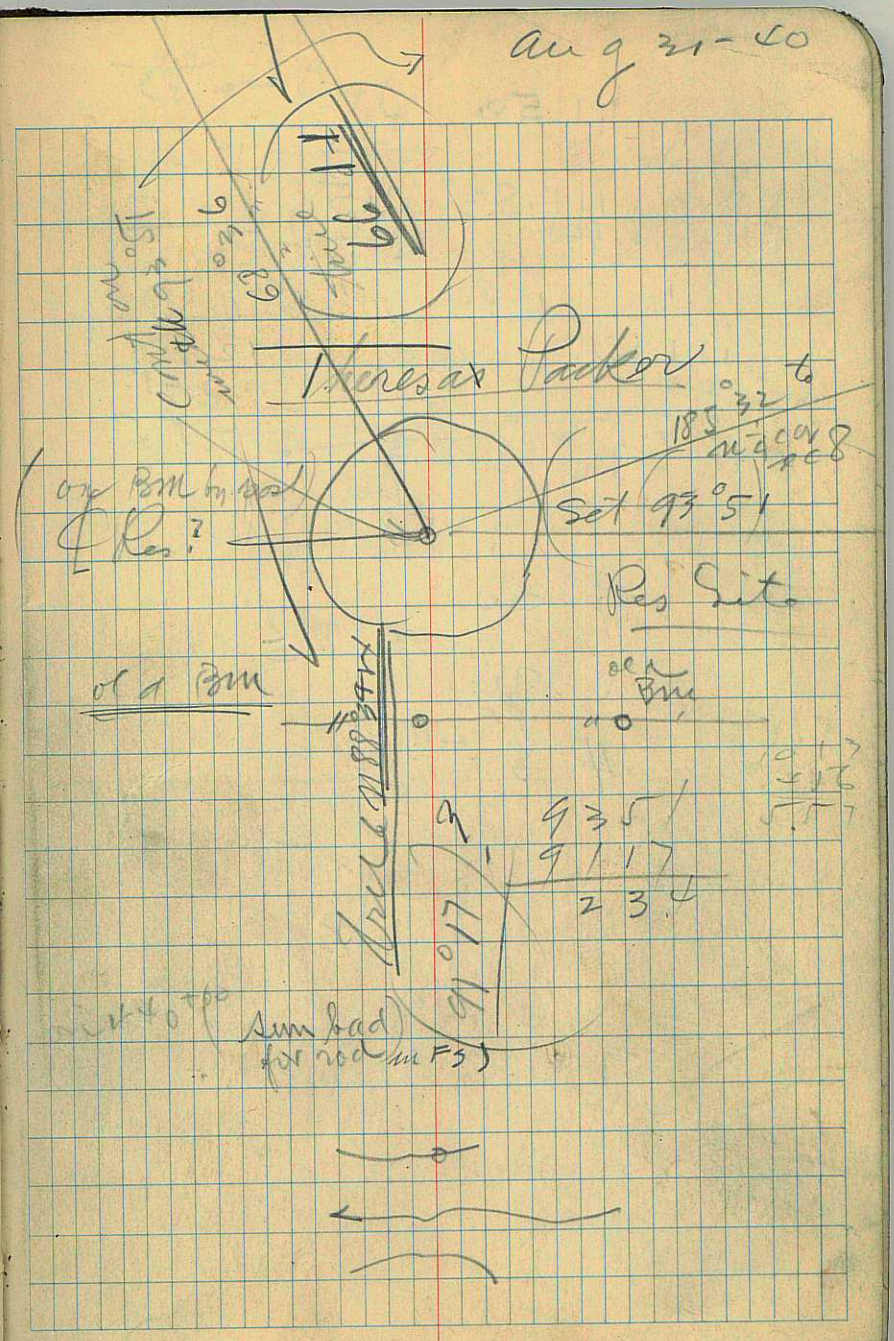
on steel 2x4 stake
steel fold brace 12' Sq Line

Elec. 1ϕ Power
40 KVA

Sta	BS	FS	HI	Elev	H.T.
438+00			11.30	13.2	
+50			5.3	19.2	
437+00			4.6	4719.9	
	1.73	10.10		4722.78	4732.51
436+00			10.7	22.2	
435+00			9.00	23.9	
434+00			7.5	25.4	
433+00			5.9	27.5	
+18			6.6	4726.3	
432					
+95			11.3	4721.6	
+44	4.90	11.6		4728.88	4732.88
431+00			9.3	31.2	
+34			9.3	31.2	
+10			14.00	4726.5	
430+00					
+90			7.4	33.1	
429			4.~~8~~	36.3	
428+00			3.00	4737.5	4740.52
91.5					
427+80					



Sta	BS	FS	HI	Elev	HT
	1.86	11.58		4689.76	4691.62
448+00			9.30	4692	
	2.61	11.96		4698.73	4701.34
447+05			6.1	4704.6	
	2.03	11.21		4708.66	4710.69
446+80			10.80	4709.	
start 8-3-60	1.08			4718.79	4719.87
+30			10.13	4713.32	
				4710.53	
446+00			9.00	4710.79	
			4.56	4718.79	
+45			7.6	15.7	
445+00			7.3	16.0	
444+00			7.3	16.0	
443+00			9.1	13.6	
442+00			10.1	13.2	
441+00			10.0	13.3	
	7.90	9.06		4715.45	4723.35
440+00			10.1	4714.4	
439+00			8.3	16.2	
+50			8.5	16.0	
438+14			15.3	4709.2	4724.5



50 60
2ve 83

111 50

111.83° 15
105 7.45
68
80

111 50 12
105 7 45
6.50 15 4.55
50 43
60
2580

9:30

5

8 90
5
3!

4.
0.91
4.1
45 5
36
1.095

8° 36.6 M
4.09
8 32.51

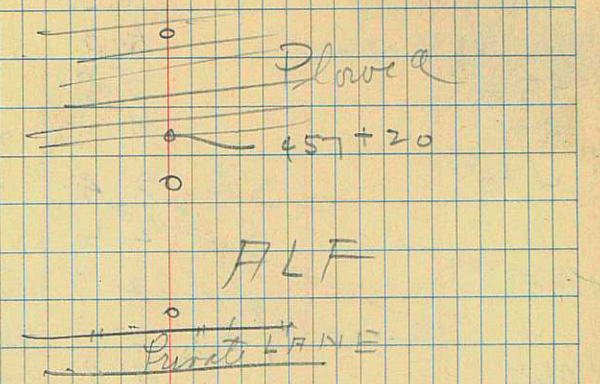
8° 32.5
7
8 33 12

8 32 5

8 32.7

30
42

Sta.	BS	FS	HI	Elev	HI
460			12.x	4594.	
459			8.0	4598	
458+00			4.4	4601.6	
	1.17	11.3x		4604.8x	4606.01
457+00			9.9	06.3	
456+00			4.0	12.x	
	0.60	11.02		4615.56	4616.16
455+50			11.6	15.0	
455± Datum			13.3	13.3	
+90			7.9	18.7	
	0.69	11.33		4625.89	4626.58
454+00			11.9	25.3	
453			3.5	33.7	
	1.21	12.00		4636.01	4637.22
452+00			4.0	4644.	
	0.96	11.93		4647.05	4648.01
	0.68	11.87x		4658.30	4658.98
451+00			11.7	58.4	
	0.57	11.16		4669.55	4670.12
450+00			9.7	4671.0	~~4671.~~
	0.37x	11.23		4680.39	4680.71
449+00			10.4	4681.2	4691.62



Sta	BS	HI			
			4.8	71.4	
			6.3	69.9	
472			5.8	70.4	
471			4.7	71.5	
470+00			3.4	72.8	
		16.36	2.6	73.8	
469+00		159.25	2.7	73.5	
	0.30	9.30		4575.90	4576.20
468			9.9	75.3	
467+00			9.6	75.6	
466+00			8.6	76.6	
465			7.0	78.2	
+40			6.2	79.	
464+00			6.1	79.1	
463+00			4.4	80.8	
+25	1.11	11.65		4584.09	4585.20
462+00			10.4	85.3	
461+30			4.90	90.80	
			1.20	94.54	
			12.00	83.7	
+04			9.66	86.04	
461+00			7.8	87.9	
	1.47	11.74		4594.27	4595.74

461

4576.30

℄ Road

fence

Middle Fork Road

fence

toe 468

Fill

test soil

Cut

Pasture

Channel

on L bk final OBM

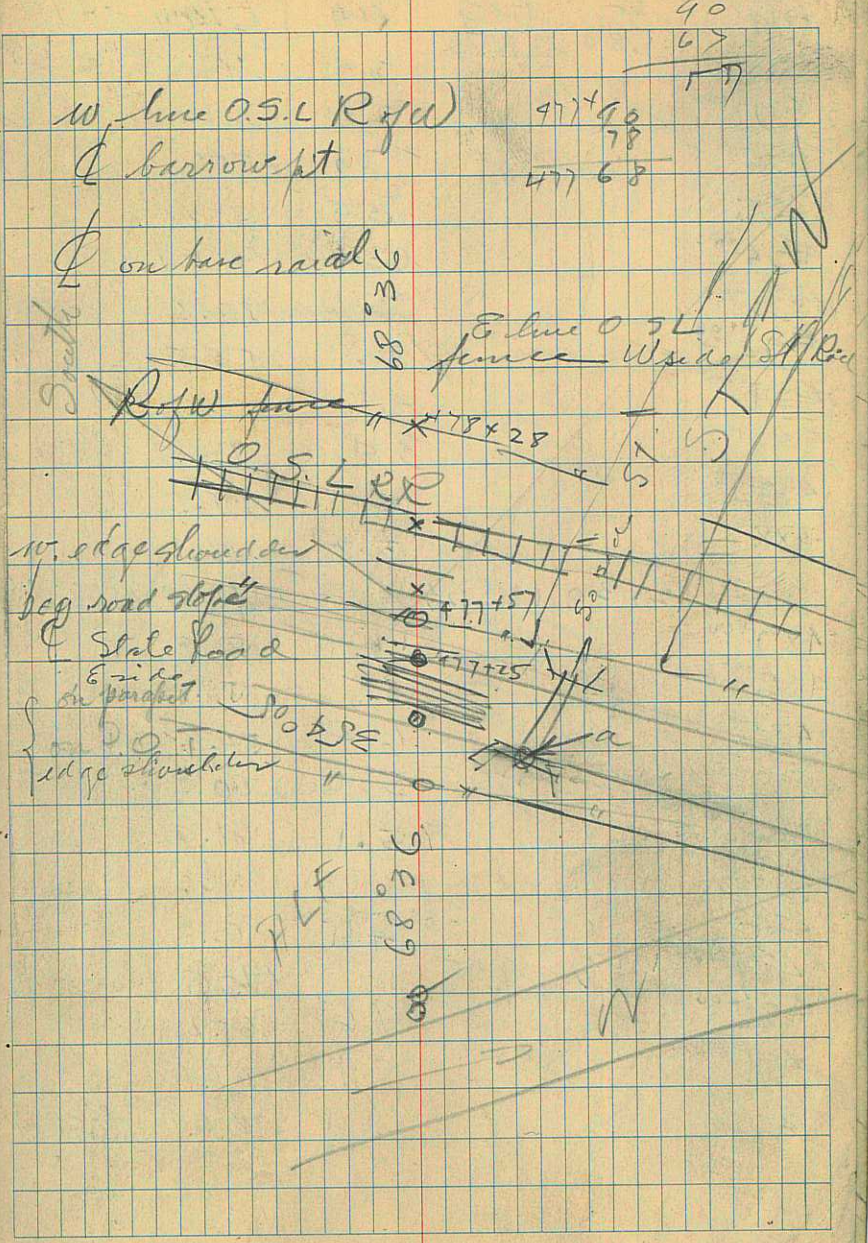
on mail on top 6 limb post

Left final

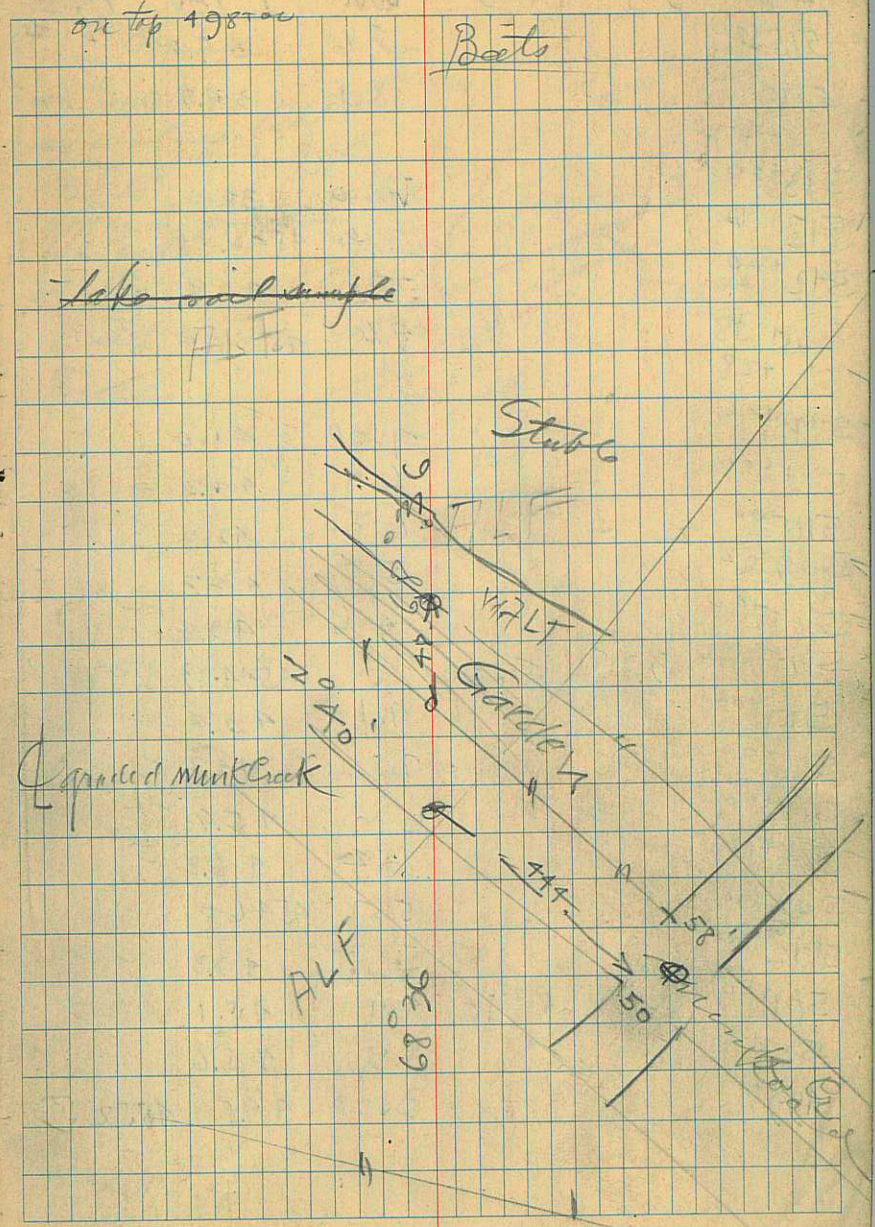
on this Channel

on top 460+00

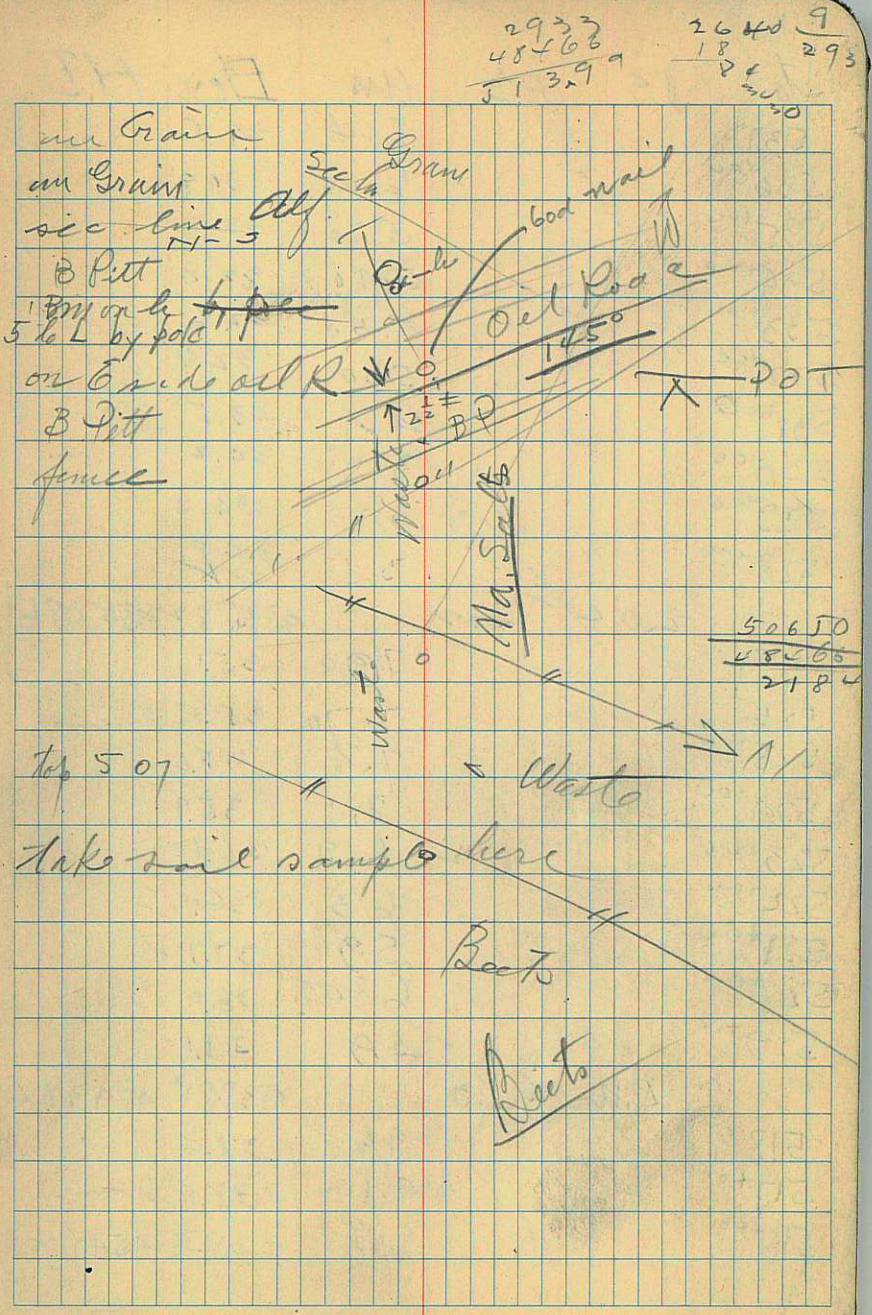
Sta	BS	FS	HI	Elev	HT
479			6.9	68.1	
478+78			6.00	69.	
478+25			7.10	67.9	
478+00			5.55	69.48	
477+93			5.75	69.88	
			6.25	68.78	
477+68			8.30	66.7	
477+57			7.00	68.	
477+35			7.1	67.8	
477+25			5.06	70.	
476+80			7.8	67.2	
477+06			4.7	70.3	
a			3.43	4571.60	
476+90	5.01	6.18		4570.02	4575.03
+			7.7	68.5	
476+00			8.6	69.6	
475+00			8.00	68.2	
474+00			7.0	69.2	
473+50			7.1	69.1	4576.20


40
67
W. line O.S.L Rfw
℄ borrow pit
℄ on base raid
E line O.S.L
fence
Rfw fence
O.S.L
477+78
477+68
477+57
477+25
477+90
477+78
477+68
477+57
477+35
477+25
477+06
a
O.S.L
O.S.L
O.S.L

Sta	BS	FS	HI	Elev	HT
		25.20	193.26		
498+00	1.80	7.55	7.9	4550.13	4552.53
497+00			7.6	50.7	
496+00			7.3	4551	
495+00			7.0	51.3	
494+00			6.4	51.9	
493+00			5.7	52.6	
492+00			4.8	53.5	
491+00			4.1	54.2	
490+00			3.4	54.9	
489+00			2.7	55.6	
488			2.2	56.1	
	2.30	10.33		4555.98	4558.28
487+00			10.1	56.2	
486+00			8.5	57.8	
485+00			6.4	59.9	
			5.60	60.7	
484+46			5.1	61.2	
~~484+46~~					
484			began 9-2-40 4.1	62.2	
483+00	1.23	9.95		4565.08	4566.31
482+00			9.6	65.4	
481+00			8.9	66.1	
480+00			8.1	66.9	4575.03

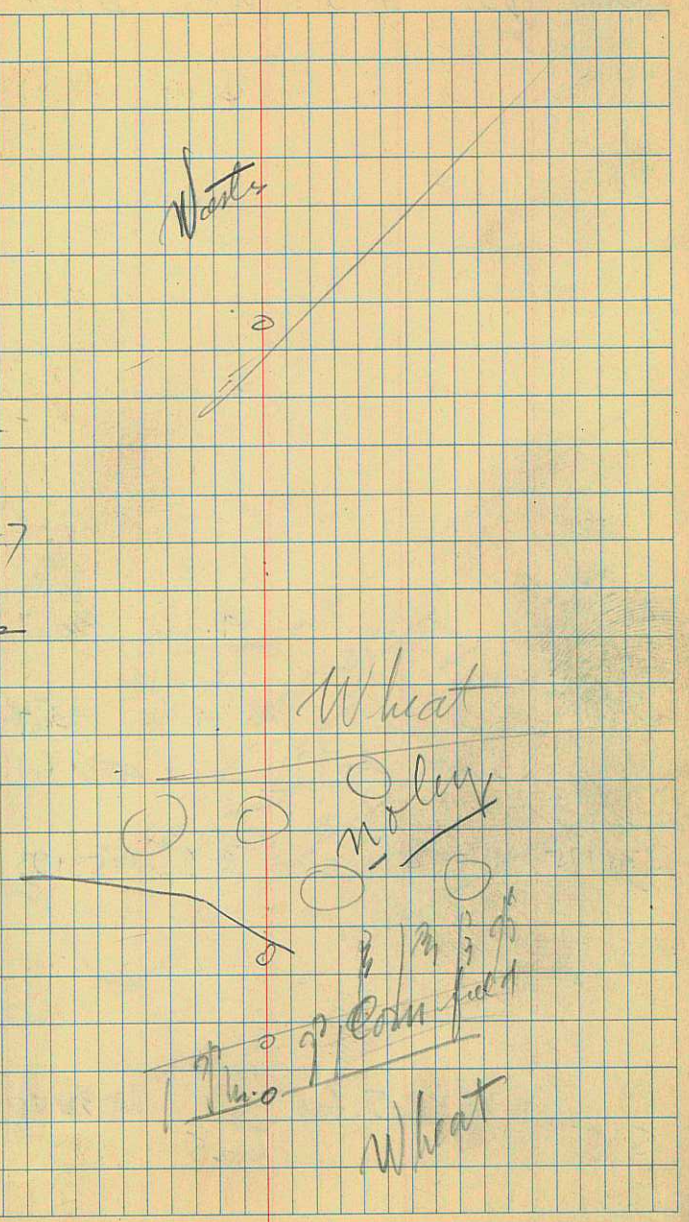


Sta	BS	FS	HI	Elev	
515+00			8.6	39.4	
514+00			8.1	39.9	
+74					
513+00			10.0	38.0	
512+92			7.42	4540.58	
512+60			5.10	42.9	
512+52					
+38			9.6	4538.4	
+28					
512+00			7.00	41.0	
511+00			6.7	41.3	
510+00			6.00	42.0	
509+00			5.80	42.2	
508+00			4.6	43.4	
	3.75	8.30		4544.23	4547.98
507+00			9.1	43.4	
506+00			7.8	44.7	
505+00			6.6	45.9	
504+00			6.2	46.3	
503+00			5.7	4546.8	
502+00			5.2	47.3	
501+00			4.4	48.1	
500+00			3.90	48.6	
499+00			3.00	49.5	4552.53



Sta	BS	FS	HI	Elev	HI
537+00			6.4	31.5	
536+00			6.00	31.9	
535+00			5.70	32.2	
534+00			5.90	32.0	
533+00			5.30	32.6	
532+00			5.00	32.9	
531+00			4.4	33.5	
530+00			3.7	34.2	
529+00			3.7	34.2	
528+00			3.1	34.8	
	2.04	7.72		4537.82 ~~4537.86~~	
527+00			7.90	35.1	
526			7.70	35.3	
525			7.4	35.6	
524+00			7.1	35.9	
523+00			6.9	36.1	
522+00			6.3	36.7	
521+00			5.9	37.1	
520+00			6.80	36.2	
519+00			4.9	38.1	
	4.16	9.10		4538.87	4543.0
518			9.6	38.4	
517+00			9.1	38.9	
516+00			8.65	39.35	4547.98

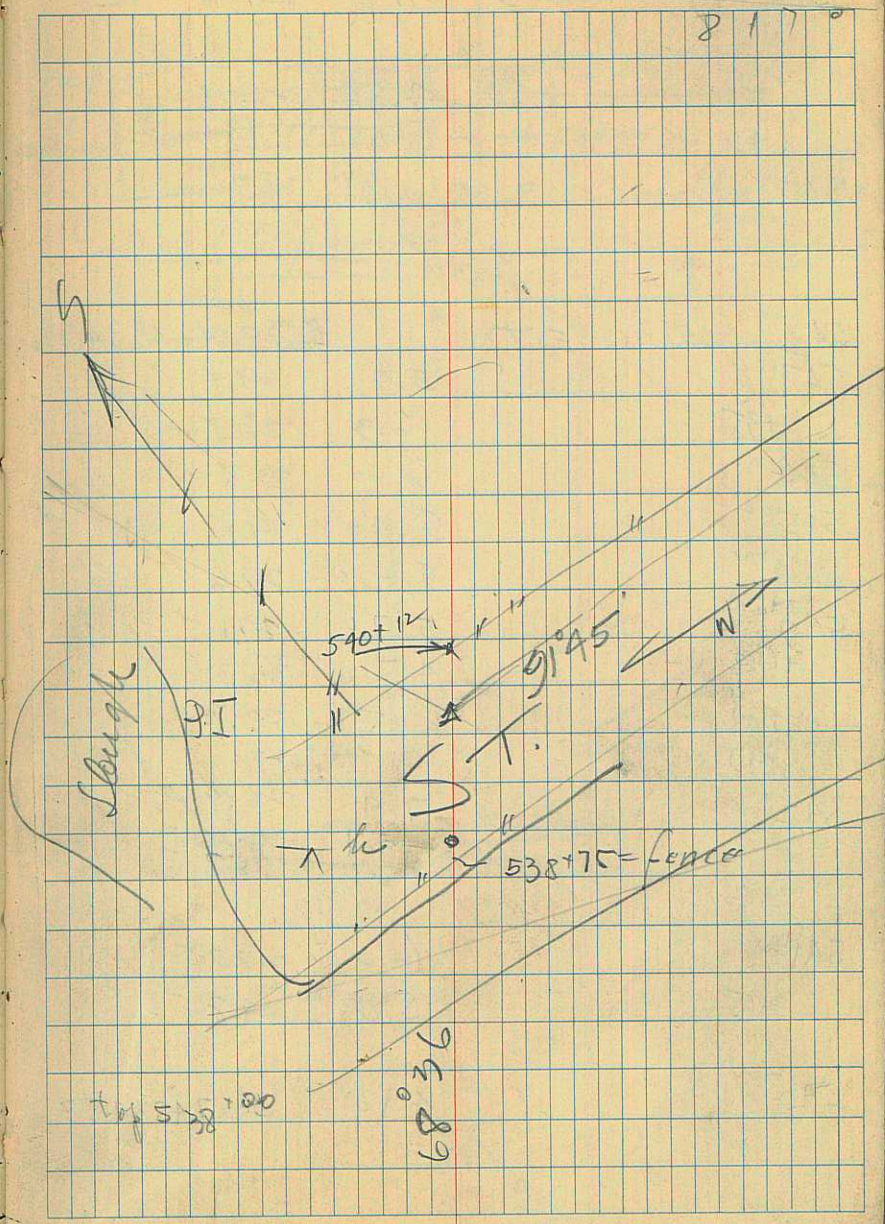
3.04 − 7.72 = −4.68
217.87 − 4.68 = 213.19



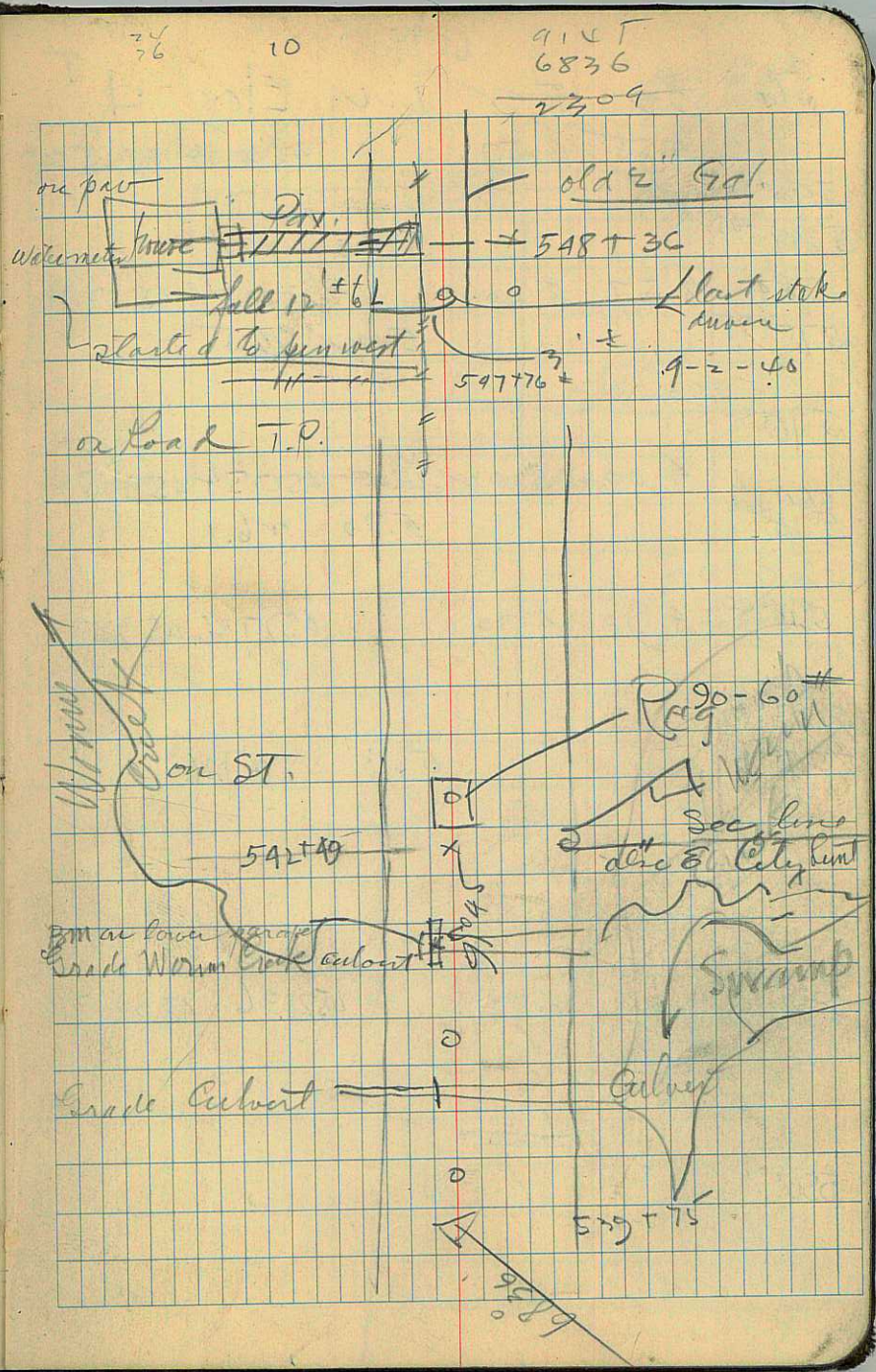
Sta.	BS	FS	HPC	Elev	HI
540+00			4.10	307	
539+75			4.1	307	
+80	3.2r	4.72 final		4531.61	4534.83
538+75			4.95	4531.93	
	3.9r	5.40		4532.46	4536.39
538+00			6.5		4537.86

538
+6630

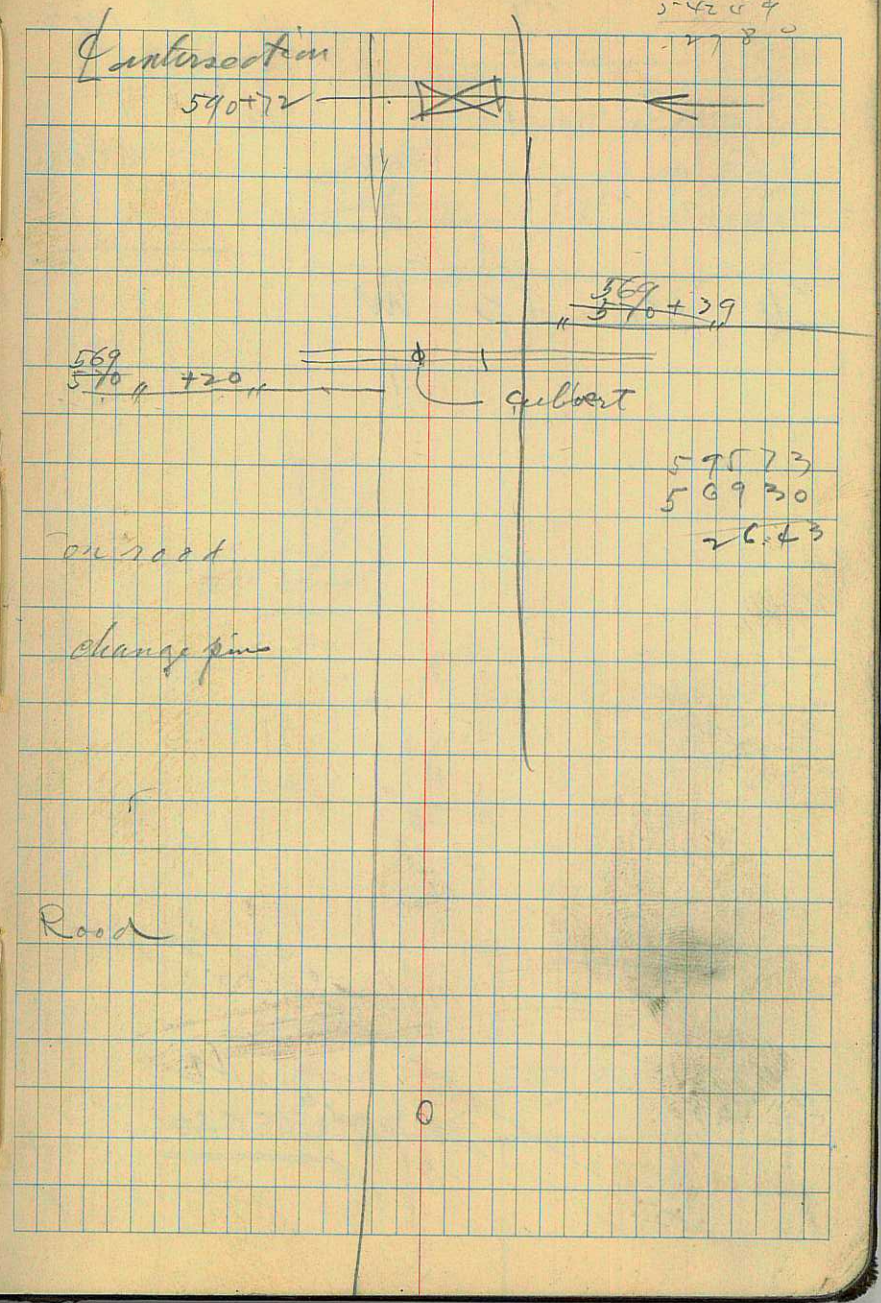
817°



Sta	BS	FS	HI	Elev	HT
		on house pav	on house pav		
+36		~~4.80~~	4.80	29.56	
+14					
548			4.9	29.5	
			44.09		
			233.87		
547 +00	5.30	5.17		4529.06	4534.36
547 +00			5.7	29.1	
+35			6.3	28.5	
546 +60			6.00	28.8	
545 +00			5.40	29.4	
544 +00			5.20	29.6	
543 +00			5.70	29.1	
+60			4.50	30.3	
+60			6.05	28.78	
+49					
542			7.9	26.9	
			~~4.57~~	30.26	
+			10.0	24.8	
541 +00			6.0	28.8	
+95			5.0	29.8	
540 +00			4.10	30.74	534.83



Sta	BS	FS	IH	Elev	HI
	4.55	6.57		4520.54	4525.09
590+00					
589+25			5.00	22.1	
584	3.57	8.00		4523.54	4527.11
575+75			5.00	26.5	
570+00					
	4.00	5.07	top culvert	4527.54	4531.54
569+00			5.70	≈6.8	
564+00	4.90	4.70		4527.66	4532.51
560+00					
559+00			5+1	27.26	
553+00	4.00	6.00		4528.36	4532.36
		6.00			
550+00					



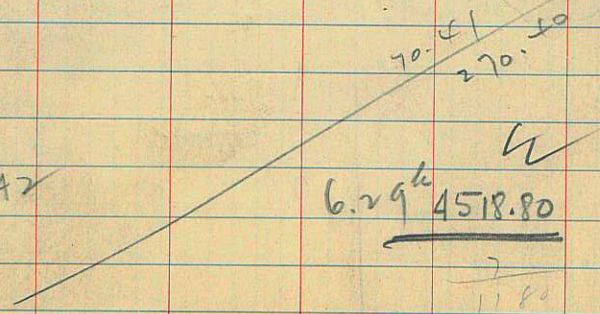
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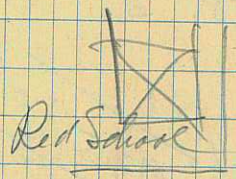
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5 ℄ 8

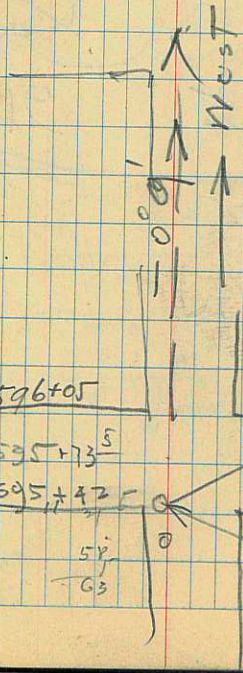
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91° 26

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along line 91° 51

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4 10 3

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930

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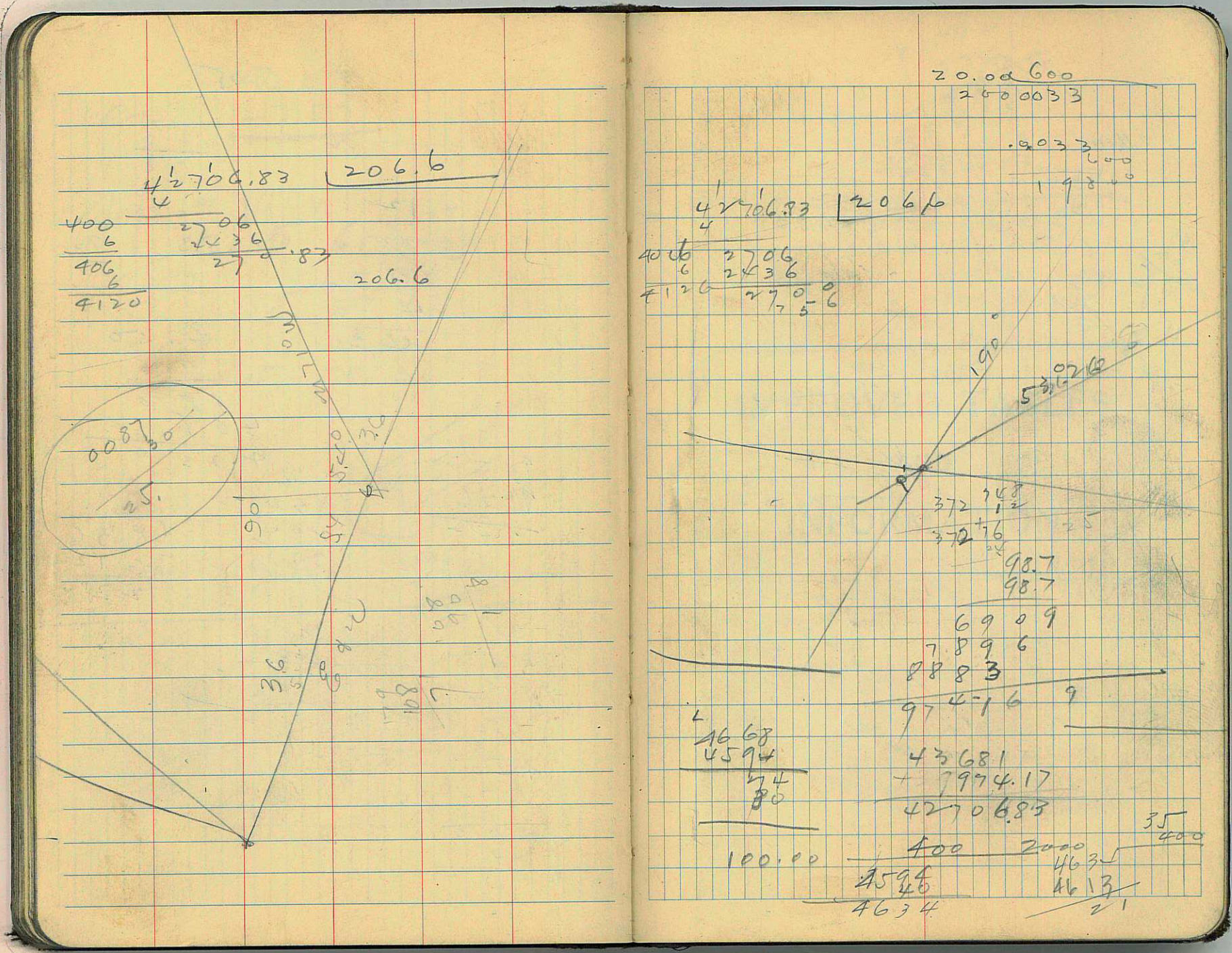
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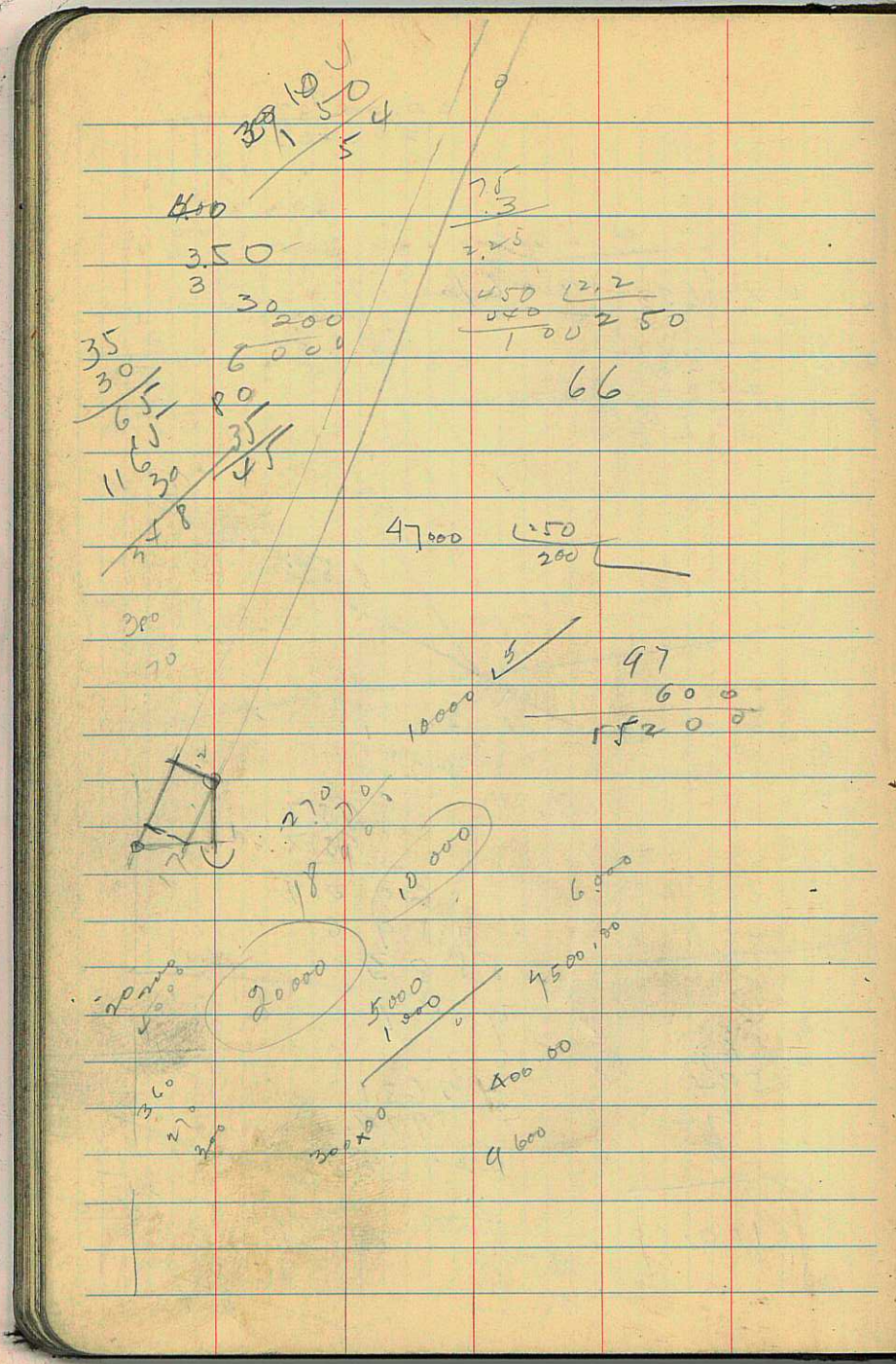
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IMPROVED TABLES

AND

INFORMATION