Field Book #63

DOUGLAS COUNTY

1912 and 1913.

Date

F.B. 63.

No 9.

FIELD BOOK.

63

GDS

See page 68. for Index

Levels to establish B.M. at Dam Site - Whitsett Place

Station	+	H	-	R.	E.	
B.M.	6.34	925.19			918.85	Sta. 939+75 P. Line.
"	1.03	914.62	11.60		913.59	
"	2.39	905.69	11.32		903.30	
"	3.06	896.86	11.89		893.80	
"	1.02	886.61	11.27		885.59	
"	0.15	875.70	11.06		875.55	
"	0.37	864.42	11.65		864.05	
"	2.83	855.48	11.77		852.65	
"	4.74	855.55	4.67		850.81	On Oak 15' North of 0+00
B.M.			3.21		852.34	

All drainage Notes in this book have been transferred to Book Entered to J. C. White
J. W. Cook

Proposed Dam Site - Whitsett Place.

Cross Section of South Umpqua River

Sta	+	×	R.	E	
B.M.	3.21	855.55		852.34	
0+00			5.8	849.75	
+10 R			3.3	852.2	
0	6.90	862.13	0.32	855.28	
+20 R			4.8		
+28.5 R			0.6	861.5	Foot Rock bluff
+34				872.0	Top " " (Estimated)
B.M.	2.00	854.34		852.34	
0+00				849.75	
0+13 L			10.2	844.1	
0	1.71	845.10	10.95	843.39	
0+18 L			10.0	835.10	
0	3.83	837.13	11.80	833.30	
0+23± L			11.1	826.0	Edge of Water R Bank. Ordinary Low Water
0+31 L			"		Water 7.4 ft. deep. Elev. 818.6
0+48 L					" 8.7 " " " 817.3
0+63 L					" 12.7 " " " 813.3
0+93 L					" 14.0 " " " 812.0
1+10 L					" 12.0 " " " 814.0
1+16.4 L			11.1	826.0	Edge of Water. L. Bank
0	9.75	835.77	11.11	826.02	
0	6.53	841.80	0.50	835.27	
1+26			9.5	832.8	
1+76			4.4	837.4	
2			4.0	837.8	

Sta.	+	T	−	R	E	
2+24 L		841.80		7.6	834.2	L. Edge of Rock
2+44 L				4.3	837.5	
⊙	11.61	852.73	0.68		841.12	
2+54 L				8.3	844.4	
2+64 L				3.4	849.3	Edge of L. Bank
3+00 L				2.5	850.2	
⊙	5.95	856.35	2.33		850.40	
3+50 L				4.9	851.4	
4+00 L				2.2	854.1	
⊙	5.16	859.31	2.20		854.15	
H.W.				9.3	845.0	On L. Bank (1909)
4+50 L				4.6	854.7	
5+00 L				4.5	854.8	
5+50 L				6.3	853.0	
5+75 L				9.5	849.8	
6+00 L				8.5	850.8	
⊙	6.84	857.92	8.23		851.08	Ft. of Hillside
6+20 L				1.1	856.8	

Slopes 2 to 1 above

Levels down L. Bank South Umpqua River from Perdue Ranch to Martin Ranch.

Sta	+	=	−	R.	E	
B.M.	1.28	812.41			811.13	On Madrone. Water Level at L. Bank – Perdue Ranch.
				22.85	789.56	Water 3' deep = Elev. 786.56
⊙	8.58	819.71	1.28		811.13	
⊙	6.91	820.68	5.94		813.77	
⊙	6.69	816.03	11.34		809.34	
⊙	1.47	807.66	9.84		806.19	} Opposite S.E. cor Sec 21
⊙	1.25	797.37	11.54		796.12	
				14.00	785.4	Water Level Water 5' deep Elev. 780
⊙	7.55	796.05	8.87		788.50	
⊙	8.32	793.50	10.87		785.18	
⊙	7.89	800.79	0.60		792.90	
⊙	6.65	800.92	6.52		794.27	
⊙	5.96	800.68	6.20		794.72	
⊙	5.12		1.53		799.15	Sta. 486
⊙	8.32		4.91			
⊙	0.17		11.25			
⊙	6.47		6.34			
B.M.			4.43		792.30	Sta 477+60
	82.63		101.46			
		—o—				
486	10.55	809.70			799.15	
⊙	7.01	815.57	1.14		808.56	
△			2.57		813.00	

Sta	+	K	−	R.	E	
535 P line	0.80	895.76			894.96	
0	0.34	884.12	11.98		883.78	
0	0.00	872.13	11.99		872.13	
0	0.00	860.1	12.00		860.1	
0	0.32	848.32	12.00		848.0	(811)
0	0.00	836.3	12.00		836.3	
0	0.72	825.0	12.00		824.3	
0	1.10	814.1	12.00		813.0	
				3.1	811.0	Approx. Grade for upper Dam.
0	1.5	803.5	12.00		802.0	
0	0.4	791.9	12.00		791.5	
				6.9	785.0	
0	6.8	791.8	6.9		785.0	
0	3.25	788.25	6.8		785.0	
0	12.3	797.3	3.25		785.0	
0	4.45	801.75	0.00		797.3	
0	10.10	800.10	11.75		790.0	
0			10.10			

Note
In Lot 2. Sec. 21. T 30 R4. WM } Sole.

Proposed Dam Site.
Cross Section of South Umpqua River.

Sta	+	T.	−	R	E	
0	10.06	795.46			785.40	Water Level
0	10.97	805.67	0.76		794.70	
0	9.57	814.20	1.04		804.63	
0+00				8.03	806.17	H.W. Mark L. Bank.
H.W.				7.72	806.48	" " " " Drift (1909)
0+12				12.2	802.00	
B.M.				7.91	806.29	W. oak 8" diam. 30' S. of Sta. 0+00. – L. Bank
0–12				4.60	809.6	
0–18				1.2	813.0	1 to 1 slopes above.
0	1.77	805.19	10.78		803.42	
0+24				7.9	797.3	
0+41				6.4	798.8	
0	2.47	796.04	11.62		793.57	
0+49				3.7	792.3	
0+63.5				5.0	791.0	
0+68				8.4	787.6	
0+88.5				10.64	785.40	Ordinary Low Water Water Level L. Side of Channel
0+90					781.8	Water. 3.6' deep.
0+95					778.9	" 6.5' "
1					778.4	" 7.0' "
1+10					779.1	" 6.3 "
1+19.5					785.40	Water Level R. Side of Channel.
1+32				8.7	787.3	
1+70				2.5	793.5	
0	9.00	803.32	1.72		794.32	
2				10.6	792.7	

Sta	+	∓	−	R.	E
2+50		803.32		6.5	796.8
3+00				2.5	800.8
@	6.45	807.54	2.23		801.09
3+50				1.1	806.4
4+00					812.0
4					
5					

Sta	+	=	−	R.	E.	Grade.	Grade Rod	
0+00		807.54		1.54	806.50	803.50		
				1.59	806.45	803.45		
1	6.08	810.34	3.28		804.26			
2				3.94	806.40	803.40		
3				3.99	806.35	803.35		
4				2.84	807.50	803.30		
				2.6	807.74	803.25		
5	0.82	809.58	1.58		808.76			
6				3.38	806.20	803.20		805.20 H.W. Mark 8' R of 6+00
				3.43	806.15	803.15		
7	3.85	806.91	6.52		803.06			
				0.91	806.10	803.10		
8	5.66	810.61	1.96		804.95			
9				4.56	806.05	803.05		804.1 H.W Mark 10' R. of 9+50
				4.61	806.00	803.00		10+85 { End of Concrete Ditch. Beginning of Flume
10	6.11	808.39	8.33		802.28			
11				7.44	800.95	802.95		
12				7.49	800.90	802.90		800.90 H.W. Mark 5' R. of 12+00
13				7.54	800.85	802.85		800.90 " " 1' R " 13+00
B.M.				9.95	798.44		Madrone	20' R of Sta 13+00
				7.59	800.80	802.80		
14	7.35	807.83	7.91		800.48			
15				7.08	800.75	802.75		
16				7.13	800.70	802.70		800.70 H.W. Mark
				7.18	800.65	802.65		
17	3.57	805.13	6.27		801.56			
18				4.53	800.60	802.60		
				4.58	800.55	802.55		
19	0.68	802.13	3.68		801.45			
20	4.62	802.34	4.41	2.9	799.2	802.50		800.2 H.W. Mark
					797.72			
21				2.89	799.45	802.45		
22				2.94	799.40	802.40		
23				2.99	799.35	802.35		
24				3.04	799.30	802.30		

Sta 19 to 23+50 along Rock Bluff

Sta	+	π	−	R.	E	Grade	G.R.
25		802.34		3.09	799.25	802.25	
26				3.14	799.20	802.20	
00	3:00	802.08	3.26		799.08		
27	7.48	805.68	3.88	6.53	798.20 799.15	802.15	799.0 HW Mark Sta 26+25
28				6.58	799.10	802.10	
0	7.95	807.64	5.99		799.69		
29				8.59	799.05	802.05	
0	6.11	807.47	6.28		801.36		
30				8.47	799.00	802.00	
31				8.52	798.95	801.95	
0	1.43	801.61	7.29		800.18		
32				2.71	798.90	801.90	
33				2.76	798.85	801.85	
34				2.81	798.80	801.80	Fir 6" diam. Sta 33+85
B.M				4.01	797.60		
35				2.86	798.75	801.75	
0	7.54	803.11	6.04		795.57		
36				4.41	798.70	801.70	} End of Flume = Beginning of Ditch
0	6.74	806.16	3.69		799.42		
37				2.02	804.14	801.64	
38				2.08	804.08	801.58	
39				2.14	804.02	801.52	
0	4.04	809.15	1.05		805.11		
40				4.3	804.85	801.46	
41				6.00	803.15	801.40	
0	3.08	807.17	5.06		804.09		
42				3.33	803.84	801.34	
43				3.39	803.78	801.28	
0	5.11	808.99	3.29		803.88		
44				5.27	803.72	801.22	
B.M.				2.87	806.12		B. Oak 18" diam 35' L. of Sta 44+80
45				5.23	803.76	801.16	
46				5.39	803.60	801.10	
47				5.45	803.54	801.04	
48				5.51	803.48	800.98	
0	3.21	807.52	4.68		804.31		
49				4.10	803.42	800.92	

Sta	+	x	−	R.	E	Grade		
50		807.52		4.16	803.36	800.86		
51				4.22	803.30	800.80		
52				4.28	803.24	800.74		
⊙	7.93	811.90	3.55		803.97			
53				8.72	803.18	800.68		
54				8.78	803.12	800.62		
55				8.84	803.06	800.56		
56				9.10	802.80	800.50		
57				8.96	802.94	800.44		
⊙	6.54	808.99	9.45		802.45			
58				0.40	808.59	800.38	802.88	
59				2.20	806.79	800.32	802.82	
60				6.23	802.76	800.26	802.76	
61				6.29	802.70	800.20		
62				6.35	802.64	800.14		
63				6.41	802.58	800.08		
⊙	2.62	805.87	5.74		803.25			
64				3.35	802.52	800.02		
⊙	3.42	807.14	2.15		803.72			
65				4.68	802.46	799.96		
⊙	5.30	808.47	3.97		803.17			
66				6.07	802.40	799.90		
67				6.13	802.34	799.84		
⊙	4.69	807.76	5.40		803.07			
68				5.48	802.28	799.78		
⊙	5.01	805.43	7.34		800.42			
69				3.21	802.22	799.72		
B.M.				2.56	802.87		B. oak 24" diam. Sta. 68+40	
70				3.27	802.16	799.66	Drop 7ft. Offset 39' R.	
⊙	0.37	803.31	2.49		802.94	799.66	795.16	8.15
71				8.21	795.10	792.60		
⊙	5.95	802.31	6.95		796.36			
72				7.27	795.04	792.54		
73				7.33	794.98	792.48		
⊙	3.56	798.92	6.95		795.36			
74				4.00	794.92	792.42		

Sta.	+	π	−	R	E	Grade	
75		798.92		4.06	794.86	792.36	
⊙	6.58	802.41	3.09		795.83		
76				7.61	794.80	792.30	
77				7.67	794.74	792.24	
⊙	6.77	802.44	6.74		795.67		
78				7.76	794.68	792.18	
79				7.82	794.62	792.12	
80				7.88	794.56	792.06	
81				7.94	794.50	792.00	
82				8.00	794.44	791.94	
B.M.				5.15	797.29		on W. oak 20" diam. 70' L of Sta 82+00
83				8.06	794.38	791.88	
84				8.12	794.32	791.82	
85				8.18	794.26	791.76	
86				8.24	794.20	791.70	Cut 0.5
87				8.30	794.14	791.64	
88				8.36	794.08	791.58	
89				8.42	794.02	791.52	
⊙				8.48	793.96	791.46	
90					792.20		
6	4.24	796.44	10.24	2.54	793.90	791.40	
91				2.60	793.84	791.34	
92				2.66	793.78	791.28	
93					791.49		
⊙	5.43	796.92	4.95	3.20	793.72	791.22	
94				3.26	793.66	791.16	
95				3.32	793.60	791.10	
96				3.38	793.54	791.04	
97				3.44	793.48	790.98	
98				3.50	793.42	790.92	
⊙							
99							

Sta	+	℄	−	R.	E.	Grade	
100	3.41	796.92	4.38		792.54		
		795.95		2.59	793.36	790.86	
101				2.65	793.30	790.80	
102				2.71	793.24	790.74	
103				2.77	793.18	790.68	
104				2.83	793.12	790.62	
105				2.89	793.06	790.56	
106				2.95	793.00	790.50	
107	10.00	798.17	7.78		788.17		
				5.23	792.94	790.44	
108				5.29	792.88	790.38	
109	7.11	804.31	0.97		797.20		
				11.49	792.82	790.32	
110				11.55	792.76	790.26	
111				11.61	792.70	790.20	
112				11.67	792.64	790.14	
113				11.73	792.58	790.08	
114				11.79	792.52	790.02	
115	2.62	795.88	11.05		793.26		
				3.42	792.46	789.96	
116				3.48	792.40	789.90	
117				3.54	792.34	789.84	
118				3.60	792.28	789.78	
B.M.				1.67	794.21		
119				3.66	792.22	789.72	
120				3.72	792.16	789.66	
121				3.78	792.10	789.60	
122	3.44	796.65	2.67		793.21		
				4.61	792.04	789.54	
123	4.91	798.54	3.02		793.63		
				6.56	791.98	789.48	
124				6.62	791.92	789.42	

on B.02k 6'L of Sta 118 +12

Sta	+	T	−	R.	E	Grade	
		798.54					
125				6.68	791.86	789.36	
				6.74	791.80	789.30	
126					792.85		
⊙	1.20	794.05	5.69	2.31	791.74	789.24	
127							
				2.37	791.68	789.18	
128					792.48		
⊙	3.37	795.80	1.62	4.18	791.67	789.12	
129							
				4.24	791.56	789.06	
130							
				4.30	791.50	789.00	
131							
				4.36	791.44	788.94	
132					792.63		
⊙	6.38	797.01	3.17	5.63	791.37	788.88	
133							
				5.69	791.32	788.82	
134					792.25		
⊙	4.39	796.64	4.76	5.38	791.26	788.76	
135							
				5.44	791.20	788.70	
136					792.25		
⊙	1.50	793.75	4.39	2.61	791.14	788.64	
137							
				2.67	791.08	788.58	
138				4.72	789.03		On B. Oak 8" diam. 10'R. of Sta 138+10
B.M.							
				2.73	791.02	788.52	
139							
				2.79	790.96	788.46	139+91 W. Line of White Ranch
140							
				2.85	790.90	788.40	
141							
				2.91	790.84	788.34	
142					792.08		
⊙	2.68	794.76	1.67	3.98	790.78	788.28	
143							
				4.04	790.72	788.22	
144							
				4.10	788.66	788.16	
145							
				6.16	790.60	788.10	
146							
				4.22	790.54	788.04	
147							
				4.28	790.48	787.98	
148					791.44		
	4.36	795.80	3.32	5.38	790.42	787.92	
⊙							
149							

Sta	+	=	−	R	E	Grade
150		795.80		5.44	790.36	787.86
151				5.50	790.30	787.80
152	5.32	796.75	4.37	5.56	790.24	787.74
153				5.62	790.18 (791.43)	787.68
154				6.63	790.12	787.62
155				6.69	790.06	787.56
+ 55				6.72	790.03	787.53
			6.16		790.59	

Frazier West Line
Top of Stake 155 + 55

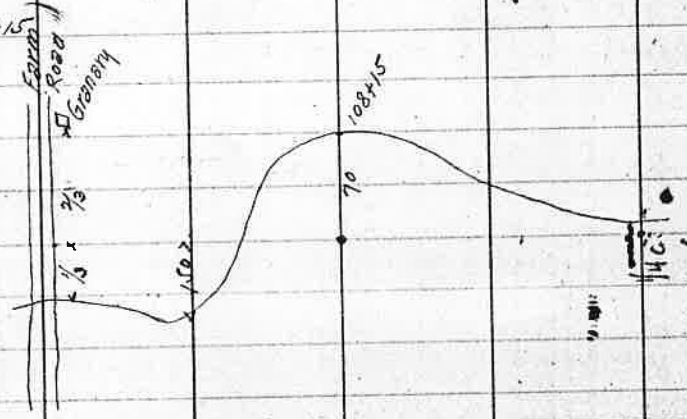
Notes to Locate Preliminary Line

Sta 44+19 = Sta 486+68 of S.U.I.D. Line.
Located Line 4.0 above Preliminary Line
crosses S.U.I.D. Line at Sta. 488+17

Sta 0+00 to sta 30 along H.W. Mark of River
" 36 200' from River bank.
" 49 to Sta. 90 along Edge of Bottom-
" 68+20 1422 ft. W. from Ctr of Road near S.E. Cor. of White Ranch in River

(Located Line 4' above Preliminary sta 0 to 62).
(" " 1' below Preliminary Sta 62 to 70)
(" " 3 above " " 70 to 89)

Sta 68+20 Leave Beal Enter White
(Located Line on Preliminary sta 89 to
Drop 3' at 89+00 of P. Line)
Sta 94+60 50' S 20° E from S.E. Cor of Corn Field.
{North 70 ft from W.O.B.T. S.W. Cor Sec. 16 to Sta 108+15}



Notes for Estimate.

Sta 0+00 to 10+85 Rock Excavation with concrete lined ditch
Sta 10+85 to 19+00 Flume on trestle 8' high.
" 19+00 to 29+50 Bench Flume. Grade in solid Rock. Bluff slope about 3/4 to 1.
Sta 29+50 to 36+00 50% Flume on trestle 6' high
50% Bench Flume with excavation 150 c.y. per sta.
Sta 36 to 48 Level Cross Section ±10%
Gravelly soil and boulders.
Clearing:- Sta 0+00 to 19+00 and
" 25+00 to 48+00
Sta 48 to 51:- Level X Sec. Earth. No clearing.
" 51 " 57 Slopes 5 to 1. Earth. No clearing.
" 57 " 60 Level. Earth Cut 3-4-3. No clearing
" 60 " 61 " " Clearing.
" 61 - 62 Slopes 1½ to 1. Earth. Clearing.
Drop of 5 at 62+00 would locate ditch on ground with slopes of 2½ to 1 to sta 70
{Use slope on upper side of Ditch ½ or ¾ to 1.? from 62 to 70. Clearing - Earth Exc.}
Drop of 3 at 70+00 Location at Ft. of Hill. Slopes 2 ft to 1. Clearing Earth. Exc.

Notes to Locate Preliminary Line.

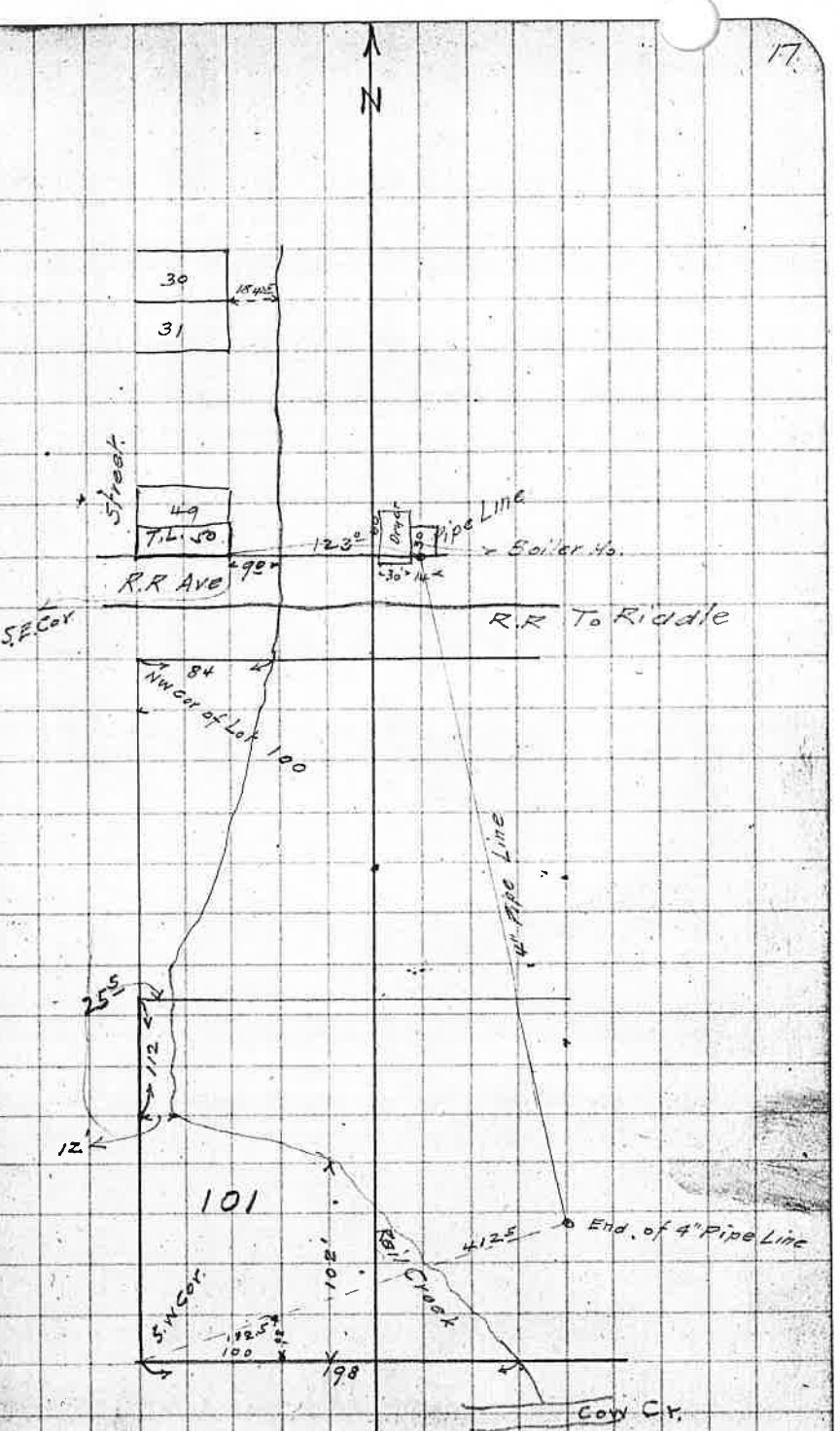
Sta 125+15 – 552 ft. S. of S. side of Whites
Primary measured along Line of T. Poles.
Sta 125 to 139+91 50' to 60' S. of S. Edge of Bottom.
" 139+91 2052' N. of S.W. Cor. of White Ranch.

	△	= Sta 155+55
12+73	△ S59½° W	= Sta 153
11+72		Sta 152 8' L
9+73	△ S68¼° W	= Sta 150
8+72		Sta 149 8' L
7+74		Sta 148 20' L
6+74	△ S75½° W	= Sta 147
6+70		X Drw. Sta 146 35' L
4+83	△ = S 30° W	= Sta 145
3+85	Sta 144	18' R
2+95	" 143	15' L
2+00	Sta 142	57' L
=0+00		
139+90	△ S 67° W	

Notes for Estimate

Sta. 70 to 89 Ea. Exc. Slopes 1 to 1.
Clearing 70 to 78. No clearing 78 to 89.
Cut 2' sta 80 to 87
Sta 89 to 95+00 50% Rock 50% Earth.
Slopes 2 to 1. Clearing. Sta 89 to 93
Sta 93 to 98 Slopes 2 to 1 Earth Exc.
" 98 " 100 " 6 " 1 " "
" 100 " 102 " 3 " 1 " "
" 102 – 107 " 2 " 1 " " except
" 102 " 104 40% Rock 60% Earth.
" 100 " 108 Clearing Light.
" 107 " 116 Slopes 8 to 1 Earth Ex. No clearing.
Cut 2' ± 108 to 116. No Clearing.
Sta 116 to 123 Slopes 2 to 1 Ea and Boulders
No Clearing.
Sta 123 to 125 Slopes 4 to 1. Ea & Boulders
No clearing.
Sta 125 to 139 Clearing
" 125 " 139 Slopes 2½ to 1. Ea & Boulders.
" 139 " 155 No Clearing.
" 139 " 148 Slopes 1 to 1 Ea.
" 148 " 155 " 2½ to 1 Ea.

Glenbrook. Location of Rail Creek and Irrigation Ditches.

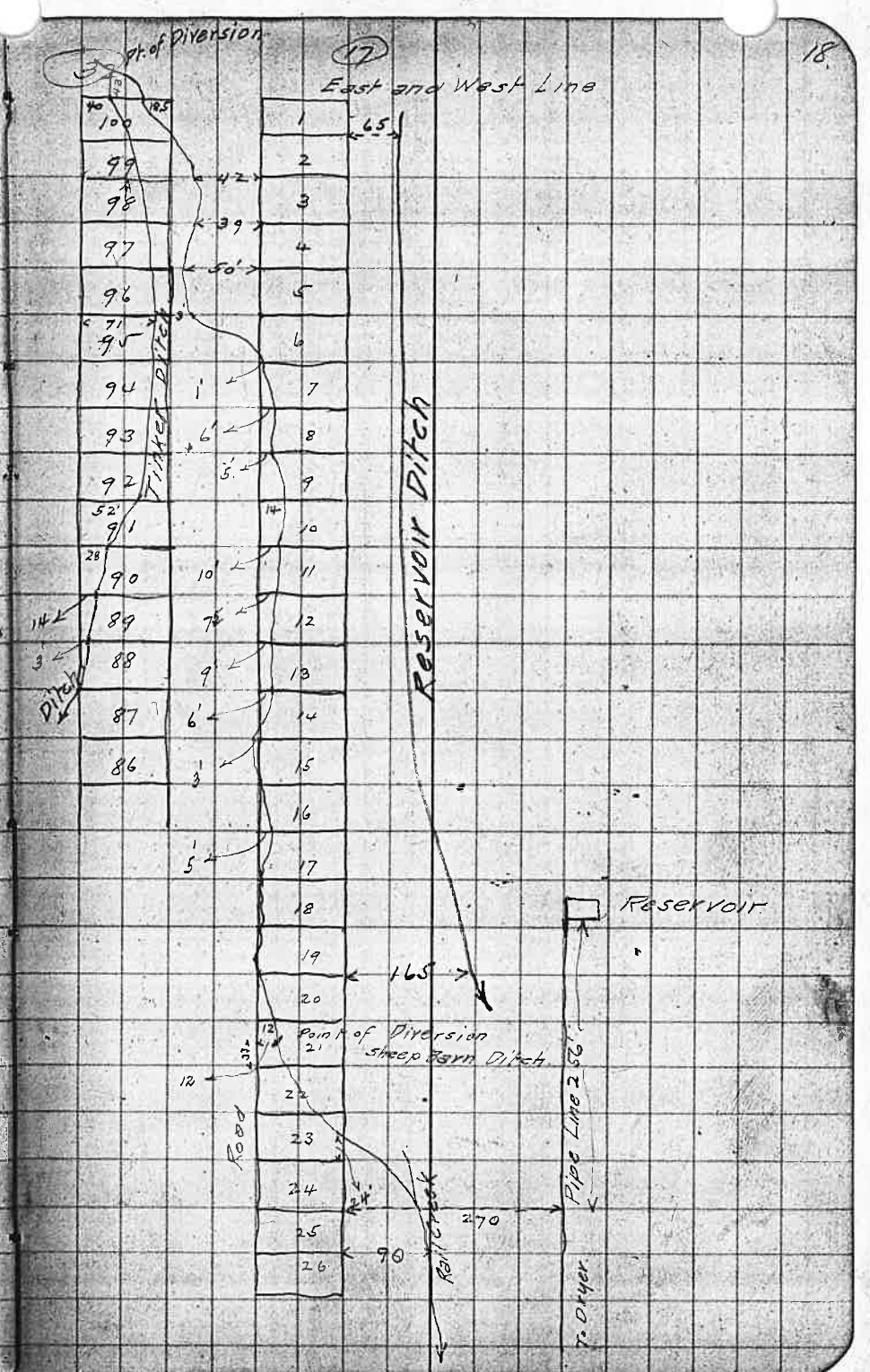


Location of Rail Creek.

Note :- Ctr. of Creek ~~4~~ 0' W. of P.T. of Curve (R = 153.21') ~~Same~~ in Lot 32.

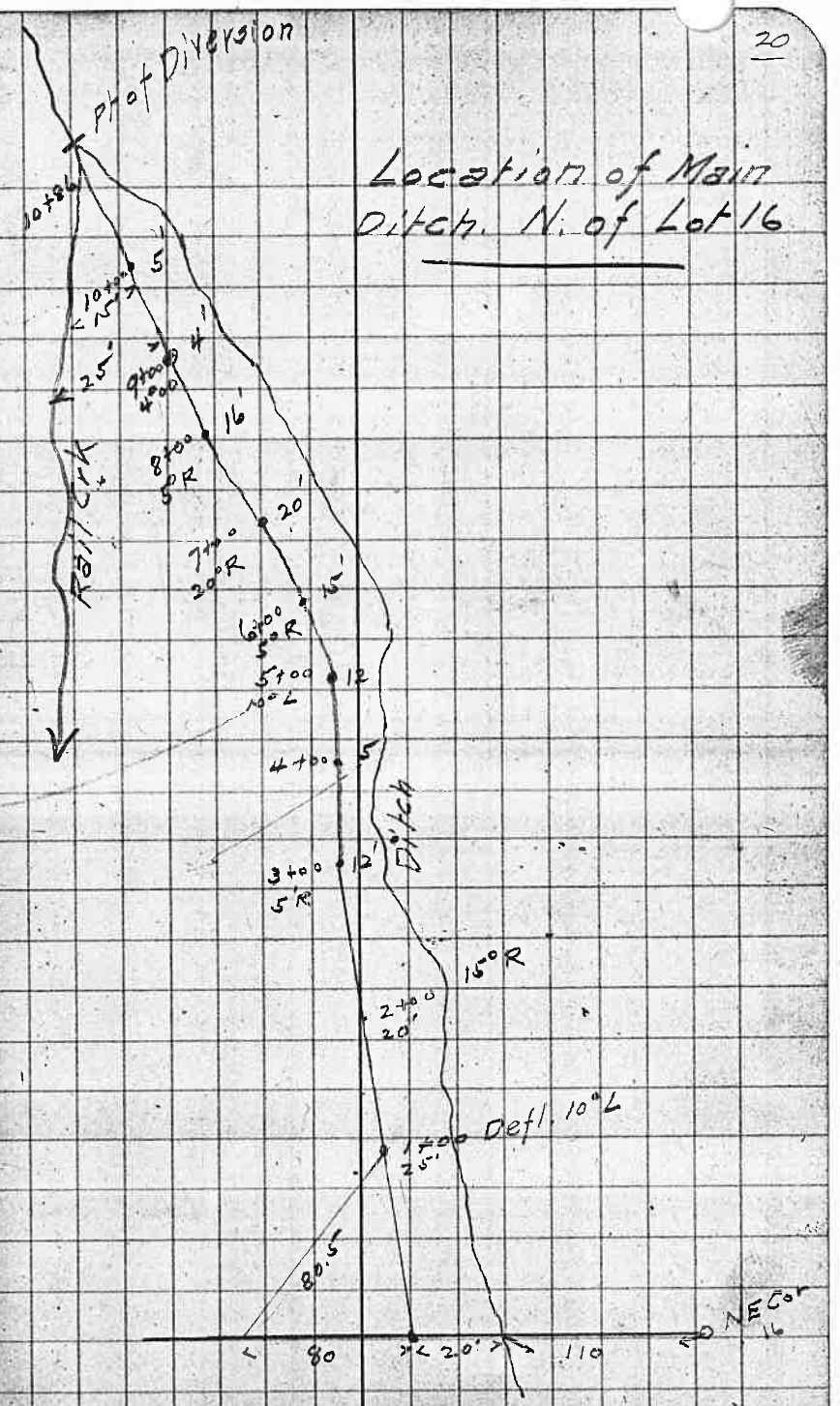
Same ~~4~~ 60' W. of P.T. of Curve (R = 153.21') in Lot 32

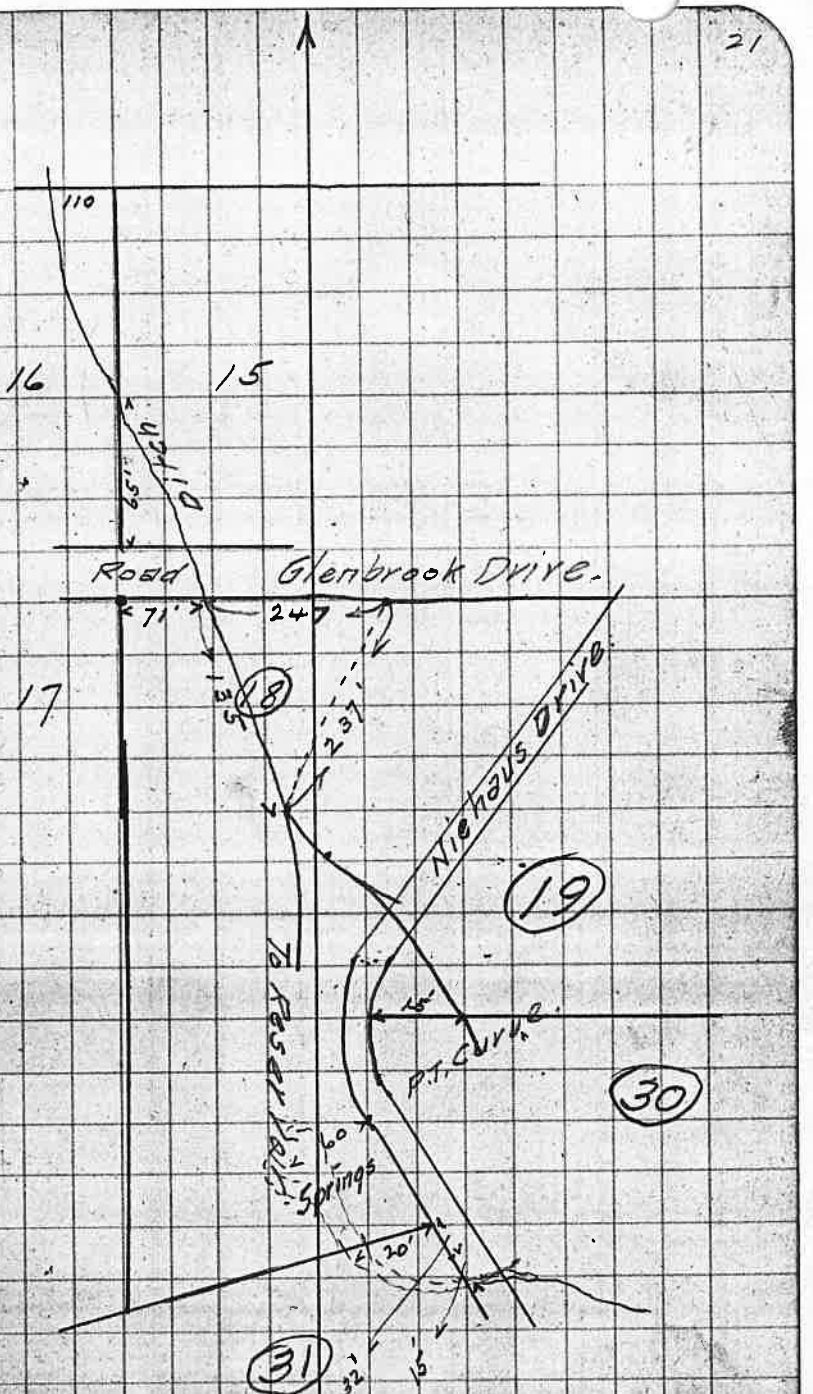
100' W of Pt. Marked (A) on B/P

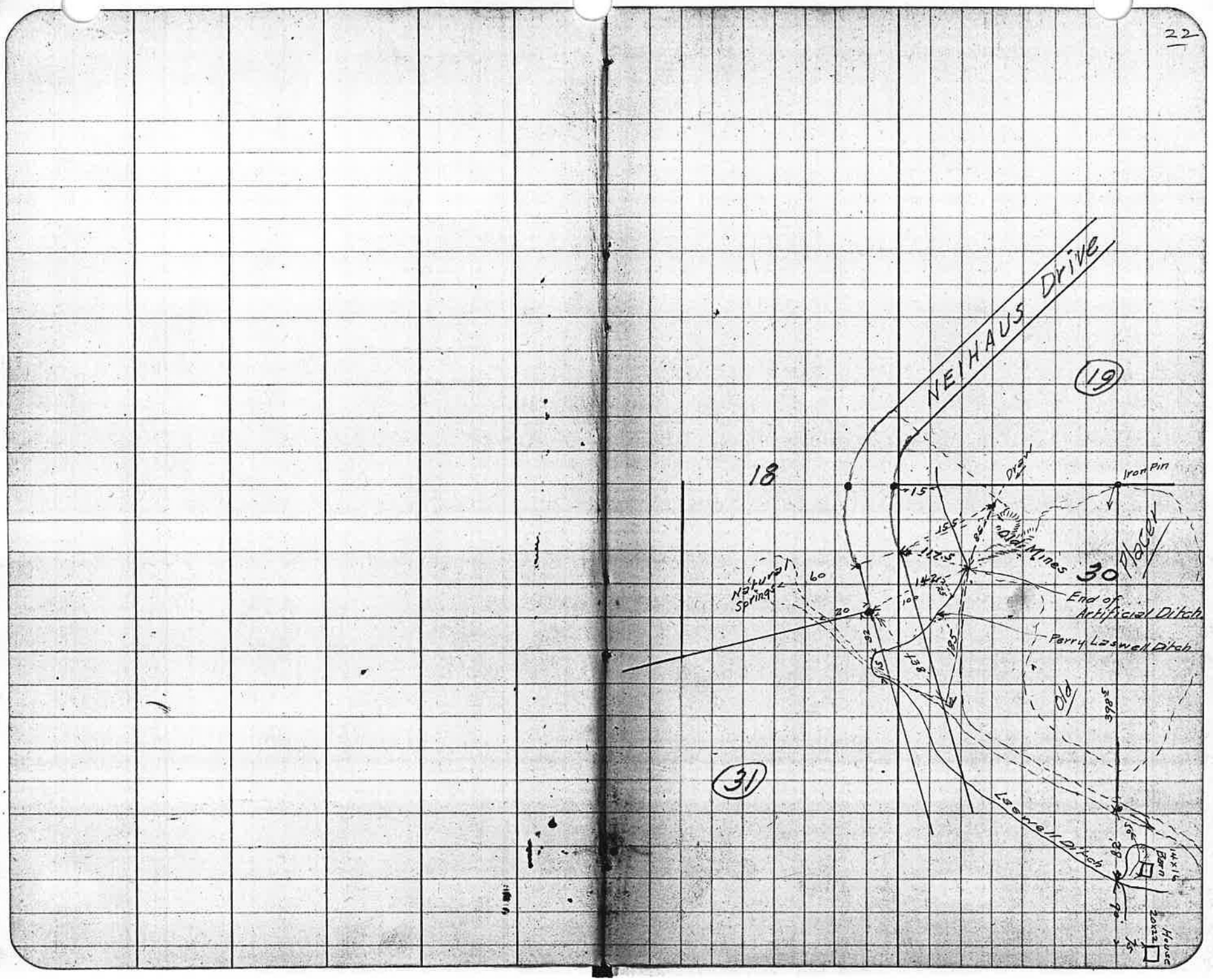


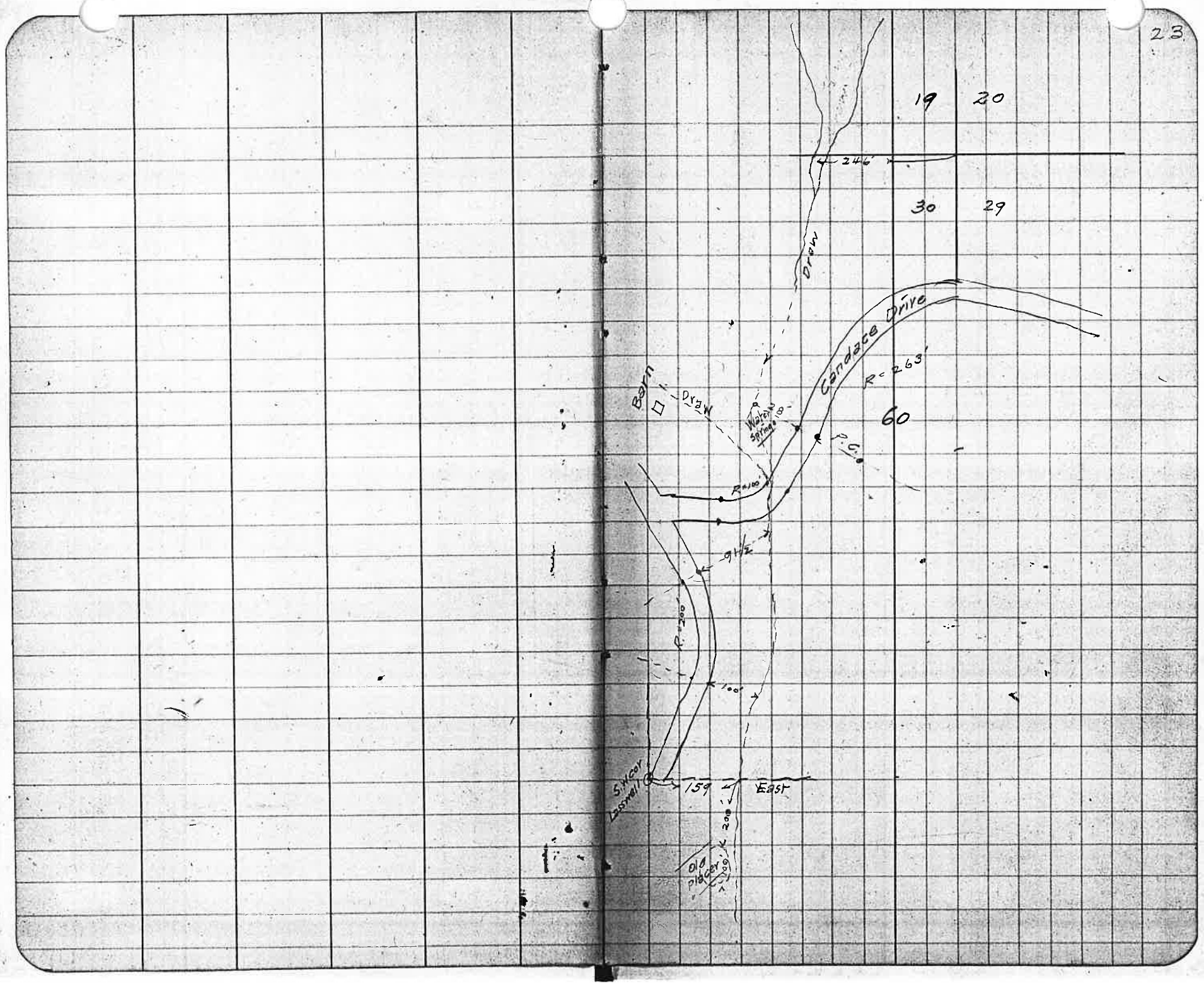
N ECAR LOHR
Ditch
16
17
107
P.C. R=200'
Δ=52°00'
L=253.8'
Tinker Ditch
57
56
55
54
Tinker Ditch
Grand Main Valley
House
Street
Tinker Ditch
82
81.9
80
79
78
77

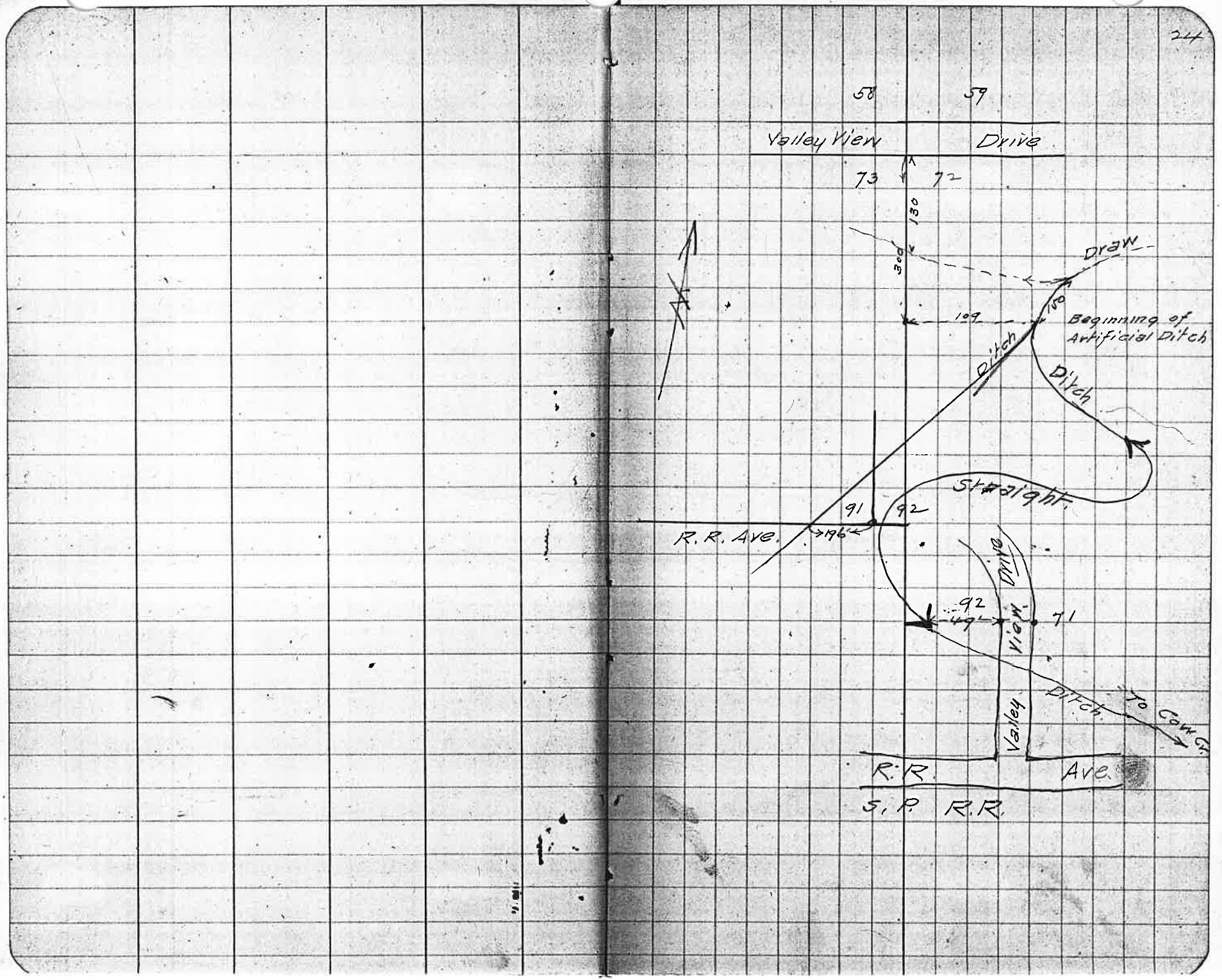
Location of Main Ditch N. of Lot 16




110
16
15
65'
Ditch
Road
Glenbrook Drive.
71'
24'
17
18
135'
237'
Niehaus Drive
19
45°
P.I. Curve
30
To Fraser Park
60'
Springs
20'
31
32'
15'


NEIHAUS Drive
19
18
31
Iron Pin
Drew
15
15
8
112.5
112.5
Old Mines
30
Placer
Natural Springs
60
20
10
End of Artificial Ditch
Perry Laswell Ditch
185
138
Old
398.5
Laswell Ditch
38
14x16 Barn
20x22 House


19
20
246'
30
29
Draw
Candace Drive
R=263'
Barn
Draw
Water Spring
60
P.C.
R=100'
91½'
R=200'
100'
Simcoe Lookout
159'
East
200'
Old placer
100'


58
59
Valley View
Drive
73
72
130
300
Draw
109
100
Beginning of Artificial Ditch
Ditch
Ditch
Straight
91
92
R. R. Ave.
196'
Valley View Drive
92
49'
71
Ditch
To Cow C.
Valley
R. R.
Ave.
S. P. R. R.

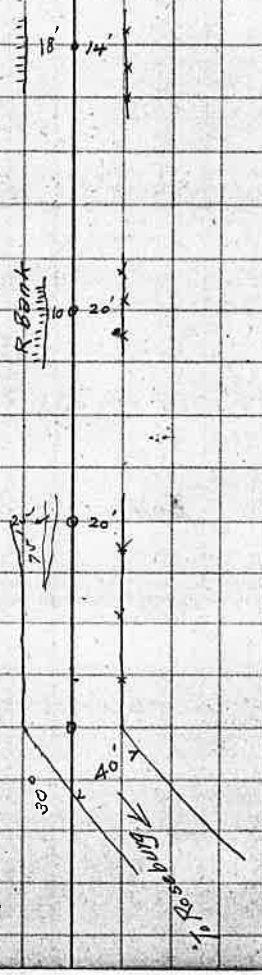
Winston Bridge Site

Sta	Hub	Def.	Bearing		
8+50	△	55°14'L	N.58°W	To Ferry Cable Post	E.Side
8+25		35°16'L			
8+00		21°50'L			
~~8+00~~ 7+75		13°34'L			
7+50	△	47°53'L			
7+48		End of	East Approach.		
			528½°W	To Ⓑ	
6+39	△	15°23'R.			
			556°W	To B.O. L. Bank Ⓑ	
			54°40'E	To Ⓐ	
4+50	△	42°52'R.			
			51°W	Tree on L Bank Ⓐ	
			S53°E	350'	To Rocky Pt R. Bank
			S32°W	35'	To R. Bank – 85' to Water
4+00	△	49°48'R.			
0+00	△		S32°W	Ctr. of Co. Road	

7+48 to 8+50 Trestle Approach.

End of Truss Approach.

Temporary Road to Ferry



		N 46 1/4° E To ℄
18	△	39°07′ R
		S. 60° E To Winstons Ho. ℄
14+44	△	73°56′ L
14+28		End of N Approach
13+32		Ctr of Pier # 3
11+90.5		Ctr of Pier # 2
8+90		Ctr. of East Pier. #1

Sta	+	=	−	R	E		
B.M.	4.75	204.75			200.00		
20				6.0	198.7		
19				4.9	199.8		
18				5.0	199.7		
17				5.6	199.1		
16				6.2	198.5		
15				6.0	198.7		
14+44				5.1	199.6		
14+28				5.1	199.6		
14				2.5	202.2		
⊙	8.64	210.90	2.49		202.26		
13+75				6.2	204.7		
13+50				3.9	207.0	9.0	198.0
13+25				2.5	208.4		
△				4.32	206.58	Top of Pier #3	
13+00				2.13	208.77	12.2	196.6
12+75				2.01	208.89		
12+50				1.99	208.91	34.0	174.9
12+25				2.04	208.86		
12+00				2.14	208.76	39.5	169.3
△				4.50	206.40	Top of Pier #2	
11+75				2.30	208.60		
11+50				2.21	208.69	46.0	162.7
11+25				2.08	208.82		
11+00				1.96	208.94	44.0	164.9

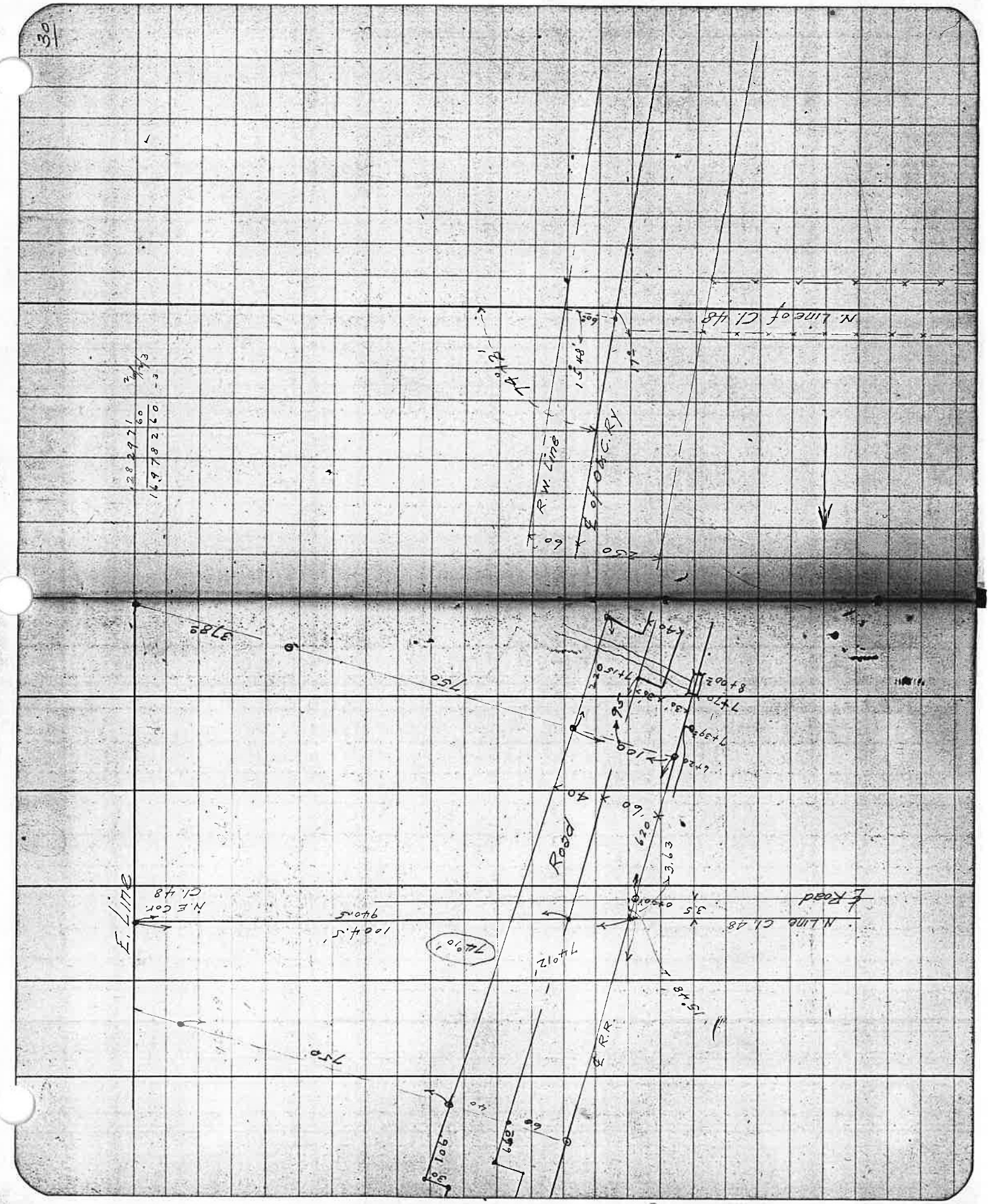
Sta.	+	H	−	R	E		
10+75		210.90		1.94	208.96		
10+50				1.94	208.96	41.6	167.3
10+25				1.95	208.95		
10+00				2.09	208.81	41.6	167.2
9+75				2.08	208.82		
9+50				2.18	208.72	48.4+	160.3
9+25				2.27	208.63	43.1	165.5
9+00				2.60	208.30	35.4	173.9
⊙	4.04	211.79	3.15		207.75		
△				5.70	206.09	Top of Pier #1	
8+90				3.59	208.20		
8+75				4.04	207.75	31.1	176.6
8+50				4.50	207.29	15.5	191.8
8+25				6.65	205.14	18.6	186.5
8+00				9.02	202.77	7.5	195.3
⊙	1.75	204.52	9.02		202.77		
7+75				5.2	199.32	4.6	194.7
7+50				8.0	196.5		
7+48				8.2	196.3		
7				9.6	194.9		
6+50				10.1	194.4		
6				9.5	195.0		
5+50				8.9	195.6		
5				8.6	195.9		
4+50				8.1	196.4		

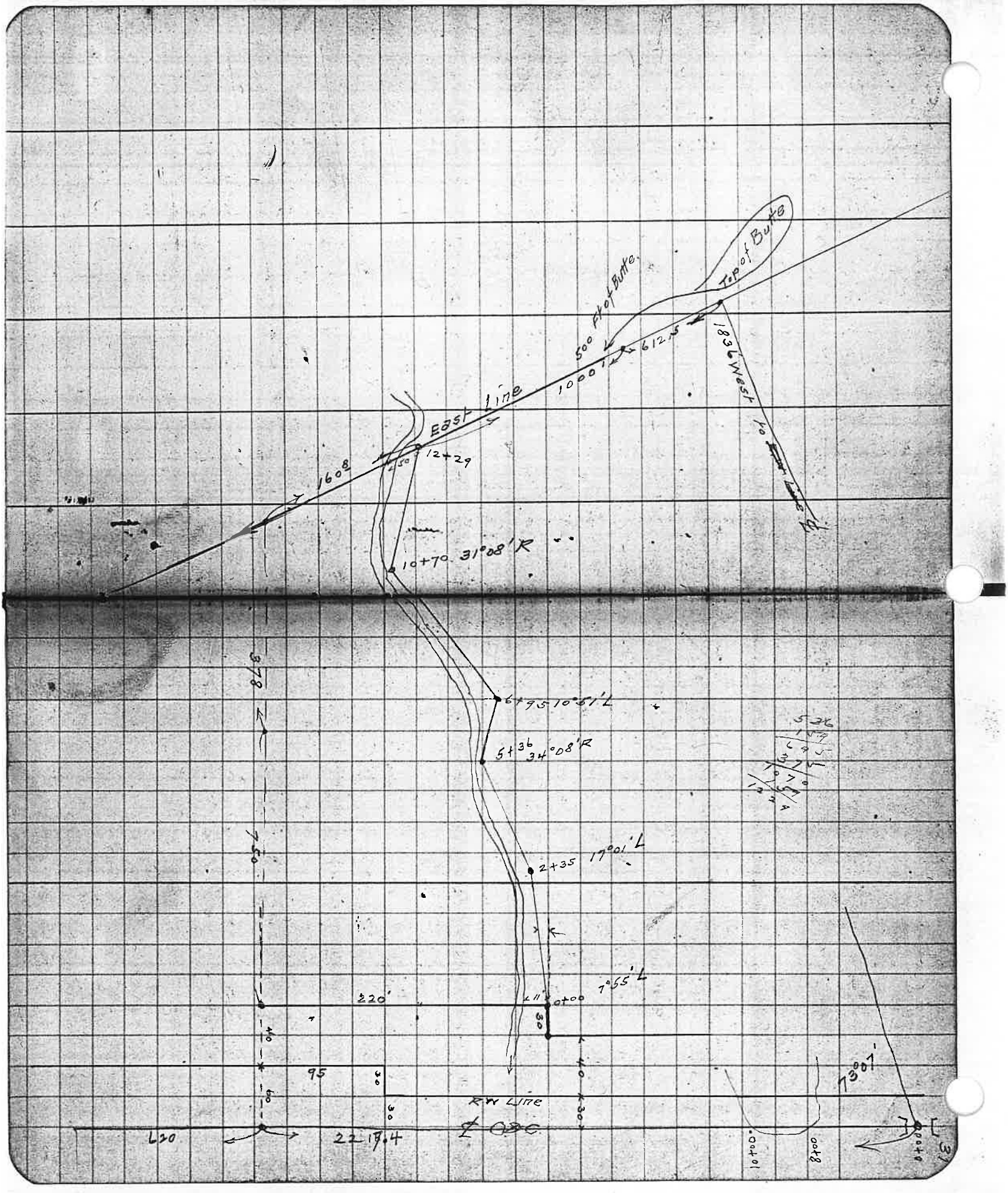
Sta	+	K	−	R	E
4		204.52		6.2	198.3
3+50				5.6	198.9
3				4.6	199.9
2+50				4.4	200.1
2				4.0	200.5
1+50				1.7	202.8
1				0.0	204.5
	Distance below floor of Bridge to Bottom of River				
7+75				4.6	
8+00				7.5	
8+25				18.6	
8+50				15.5	
8+75				31.1	
9+00				35.4	
9+25				43.1	
9+50				48.4	
10				44.6	
10+50				41.6	
11				44.0	
11+50				46.0	
12				39.5	
12+50				34.0	
13+04				12.2	
13+50				9.0	

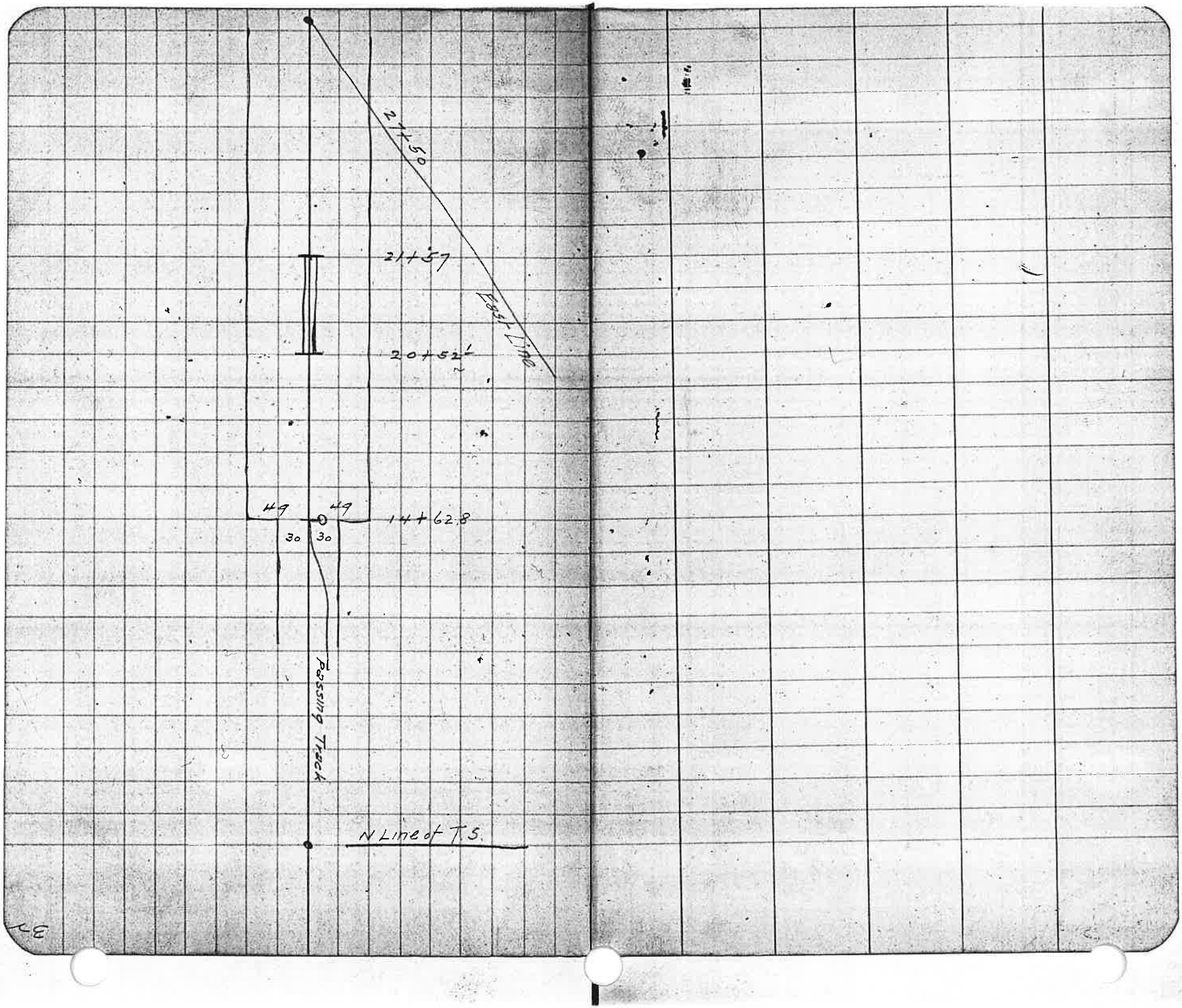
(Rock at Water Edge (R. side) Sta 8+98)
(R Bank 8+59)

(12+44 Water Edge L side)

13+04 L Bank


30
N. Line of Cl. 48
R.W. Line
Road
Cl. 48
N. Line
E Road
RR
Bldg 3
N.E. Cor.
Cl. 48
100 h.s.
94 h.s.
74°10'
74°12'
74°12'
3782
750
750
1500
1000
1000
1000


Top of Butte
500' Slope
1000'
612.5
1836' West
to Section Line
East Line
160'
12+29
10+70
31°08' R
6+95
10°51' L
5+36
34°08' R
2+35
17°01' L
0+00
7°55' L
220'
30
40
95
50
R/W Line
℄ Osc
L20
22
18
14
73°01'
10+00
8+00
0+00


27+50
21+57
East Line
20+52.1
49
49
30
30
14+62.8
Passing Track
N Line of T.5

Survey for C. J. Stovin

Begin S. 7°16'E 20.0' from S.E. cor. of 102 Acre Tract :— (In center of Road)

Thence N. 72°05'E 1050 ft (21-50 chains)

" S 43 3/4° E 1676 6/10 ft (33-50 " + 26 6/10)

To N.E cor. of Willis Ck.

at 739.5' opposite stake L4 and L5

20' R. Gleenmoor Plat A.

Description of 102 As.

Begin at a point from which the N.W. Cor. of Wm A. Willis D.L.C. bears

Valley S 67°33'W 996 6/10'

thence N. 33 79 5/10

E. 1220°

S 7°16'E 2905 5/10

S 74°58'W 1678 0/10 to beginning.

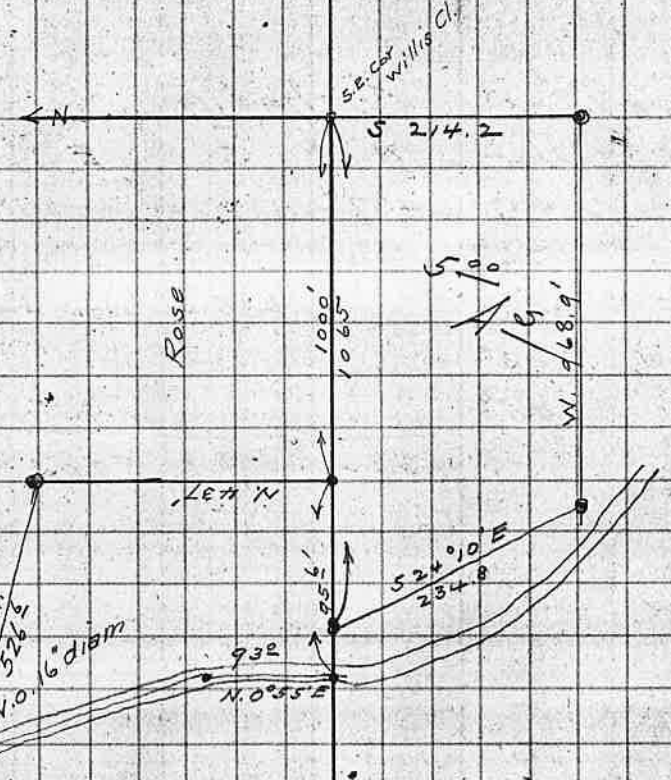
102.4 As.

T. 27 S. R. 4 W.

Beginning at N. W. cor. of Cl. 44

thence	East	17.10	
	North	40.00	
	West	20.00	
	South	20.00	
	S 71½° W	16.00	
	S 5½° W	6.94	
	S 72¾° W	42.46	
	S 9½° E	4.50	
	West	7.36	
	South	0.42	
	East	65.00	
	North	10.26	to beginning.

Survey for Cachelin..



234.8
912.4

Survey for Cachelin

Course	Dist	+ N.	− S.	+ E	− W.	D.M.D.	+A	−A.
North	437 ±	437 ±						
N80°W	526 ±	91.4			518.6	518.6	47400.0	
S.44°15'E	608 ±		435.4	424.4		612.8		266813.1
S.0°55'W	93 ±		93 ±		1.4	187.0		17391.0
East	95 ±			95 ±		95.6		
		528.4	528.4	520.0	520.0		47400.0	284204.1

47400.0

2 | 236804.1

43566 | 118402.1

87120

31282.1

304920

79010

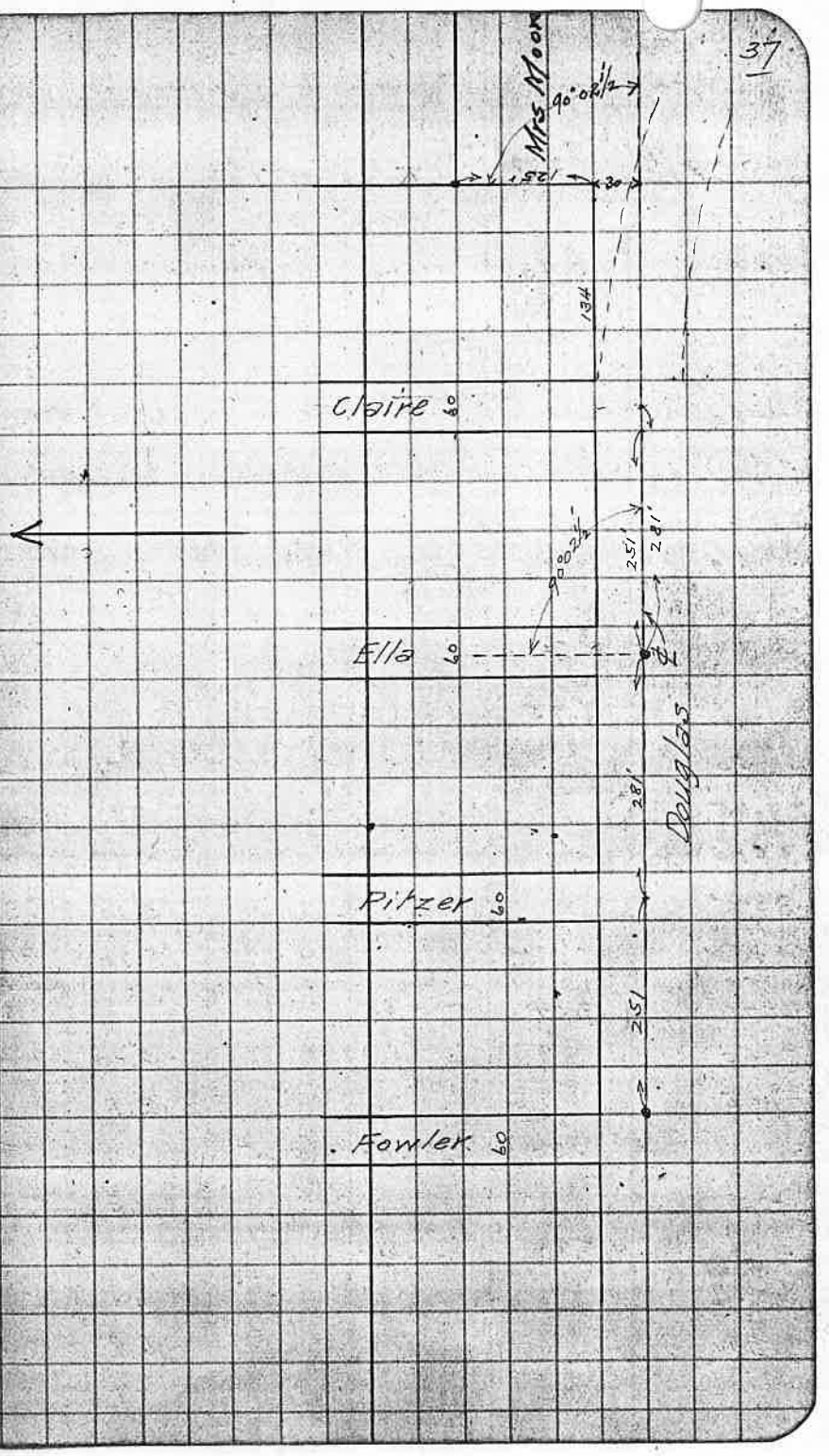
43560

354500

348480

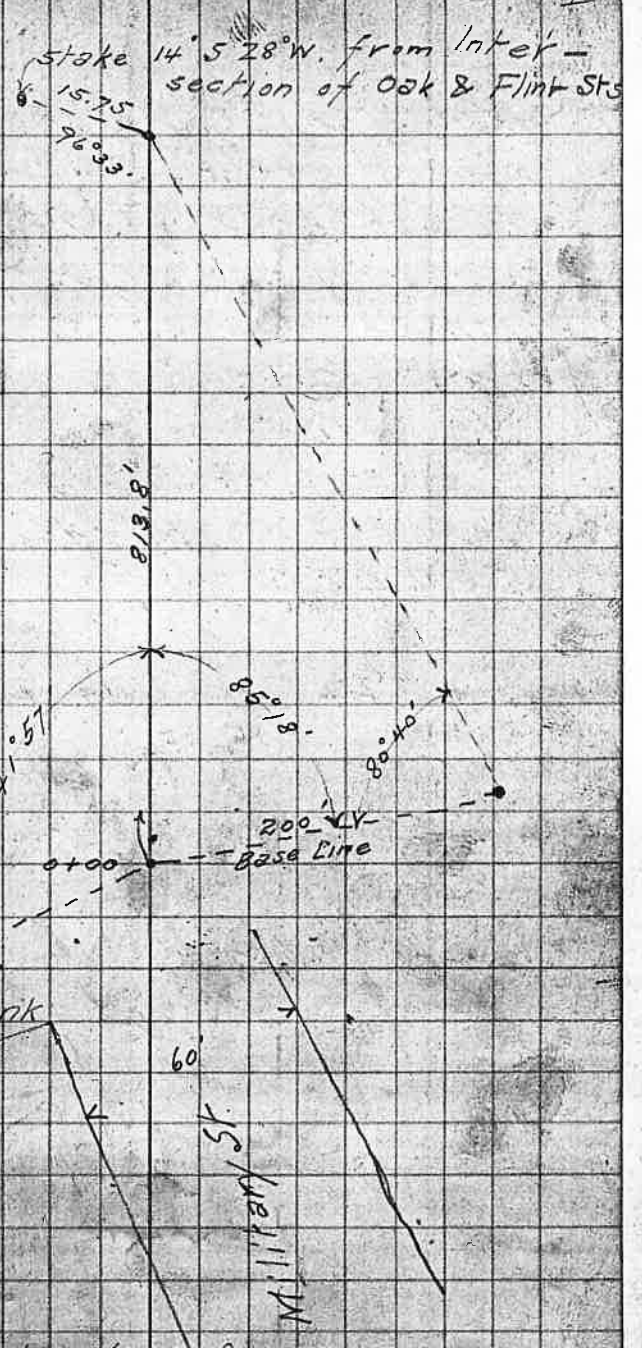
2 | 718.95

Survey for Mrs. Lucinda Moore



Proposed Oak St. Bridge

Sta	+	X	−	R	E	
0+00		100.00		5.0	95.0	
0+	0.93	91.04	9.89		90.11	
0+50				2.2	89.8	
0+70				4.7	86.3	
0+80				9.0	82.0	H.W. Mark
0	0.51	81.68	9.87		81.17	
1+00				7.0	74.7	
0 1+10	0.89	72.84	9.73		71.95	Top of Rock
1+50				5.6	67.2	
2				4.7	68.1	
0	3.75	66.74	9.85		62.99	
2+50				10.8	62.0	
2+65				5.35	61.39	W. Edge L. Bank
3+00				7.35	59.4	In Slough
3+75				3.00	63.7	Top of Bar
4+50				5.30	61.4	Edge of channel
6+00					54.4	
7+40	9.04	75.43			61.39	Water Edge R. Bank
7+50				8.00	62.4	
7+75				2.1	68.3	
0	8.30	78.08	0.65		69.78	
8+00				1.3	76.8	
0	7.80	85.64	0.24		76.84	
8+13.8				4.1	81.5	
9+14				0.8	84.8	In Ctr of Oak 100' E of 8+13.8



Survey for F. C. Allen.
Description of 30 As. in E½ of
S.W. ¼ of Sec. 22 T. 29 S R. 5 W.
Beginning at 1/16 Cor. stake from
Which cor of Secs. 21-22-27-28
bears W. 20 chains; thence.
N. 16.50
E 24.08 to iron stake in
middle of Co. Road.
S 34°45' W. 20.08 to junction
of Co Roads.
W. 12.64 to beginning
Containing 30 As.

165
66
990
990
1089.0

Course	Dist.	N.	S	E	W.
North	16.50	16.50			
East	24.08			24.08	
S 34°45' W	20.08		16.50		11.44
West	12.64				12.64
		16.50	16.50	24.08	24.08

Area
24.08
12.64
2)296.32
148.16
16.5
9180
1101.6
1836
30.279 ± Acres.

Course	Dist	+ N.	− S.	+ E.	− W.	DMD	+A	−A
N 33°00' E	28.64	24.02		15.60		15.60	374.71	
East	12.27			12.27		43.47	−	
South	3.60		3.60			55.74		200.66
S 54° W	8.83		5.08 ~~5.19~~		6.85 ~~7.44~~	48.89		248.36
S 26° E	1.00		.90	.44		42.48		38.23
S 37° W	4.45		3.48 ~~3.55~~		2.58 ~~2.68~~	40.34		140.38
S 54° W	5.15		2.97 ~~3.05~~		3.99 ~~4.17~~	33.77		100.30
N 88° W	3.58	.12			3.44 3.58	26.34	3.16	
S 30° W	9.56		8.11 ~~8.28~~		4.58 ~~4.78~~	18.32		148.58
West	6.87				6.87	6.87		
		24.14	24.14 ~~24.55~~	28.31	28.31 ~~29.22~~		377.87	876.49
								377.87
								498.62
								24.9

April 25th 1912.

Lat 43°37' H.D. +48.90"

N. 13°	09'	48.5"		4 A.M.
	7'	20.1		
13°	17'	8.6" + 38"	= 13° 17' 46.6"	1 P.M.
		48.9		
13°	17'	57.5 + 38"	= 13° 18' 35.5"	2 P.
		48.9		
13°	18'	46.4" + 46"	= 13° 19' 32.4"	3 P.
		48.9		
13°	19'	35.3" + 1" 0 3"	= 13° 20' 38.3	4 P.

T. 22 S. R. 4 W.

Begin at NE cor Cl. 37

Thence ~~East~~ N. 89° 50' E 1709.4 ft.

to S.W. cor. Cl. 38. from which W.O. 8" diam bears N 89° 45' W. 23½ ft.

Begin at N.E. cor. Cl. 38

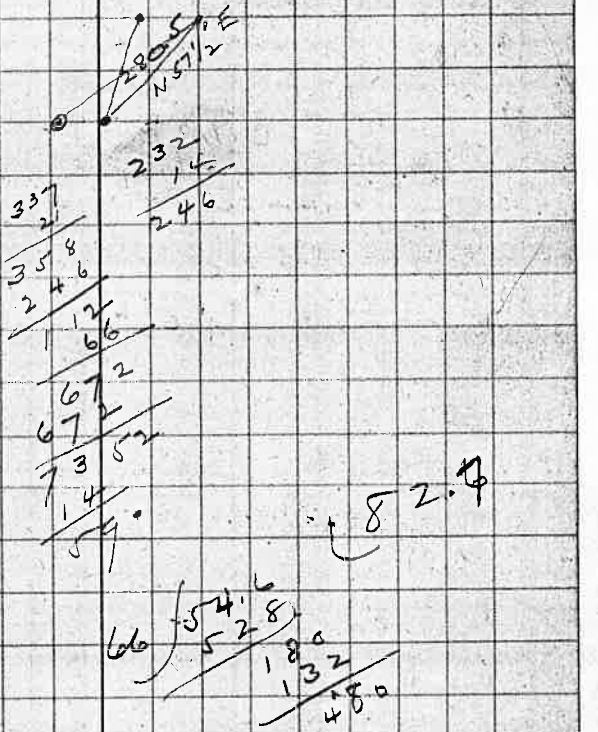
thence South 2640 ft to S.W cor of Cl 38

Begin at SW Cor Cl 38

N 89° 50' E. 2654 ft to ~~Cor~~ S.E Cor Alten

from which W.O. bears S.W. 854.6 ft

N 89° 50' E 1709.4



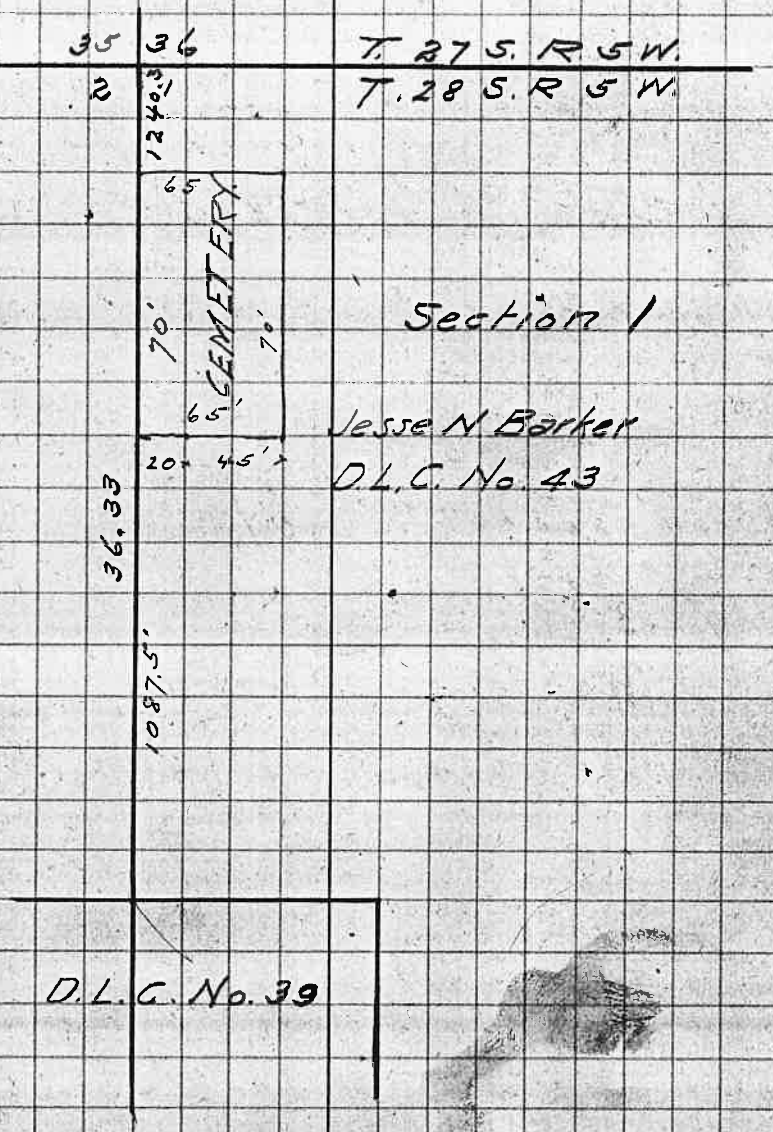
W. O. 20" S 85½° E 450
Y. O. 18" S 66¼° W. 232

232 ³
66
1392
1392
153.12 ft.

Survey for Mrs. Reagen.

May 5th, 1912.

Beginning at a point in the West ~~Line of D.L.C. 1240.3 ft. South~~ Line of D.L.C. No. 43 in Twp. 28 S. R. 5 W. N.M. 1240.3 ft. South from the N.W corner of said D.L.C. ; — thence South, with said West Line of D.L.C. No. 43, 70.0 ft. ; thence East 65.0 ft; thence North 70.0 ft thence West 65.0 ft to beginning



3133 / 200 = 1131

1131 / 802 / 22662 / 90648 / 907062 / 8712 / 358620 / 348480 / 10140

.24474 × 827.5 = 22370 / 17132 / 4894 8 / 19579 2 / 202.5 22350

.96959 × 827.5 = 48477.5 / 67871.3 / 19391 8 / 77567 2 / 802.33 57.2

2 / 202.5 = 101.25

101.25 / 802.3 / 30375 / 20250 / 8,000 × / 43560 / 812328.75 / 43560 / 368768 / 348480 / 20288.7 / 282487.0

1.86

1742400 / 81233 / 802.3 / 1661167 / 160446 / 56567 / 5611 / 40600 / 4160 / 2070.5 / 202.5 / 2273.0 / 2068.5 / 2704.5

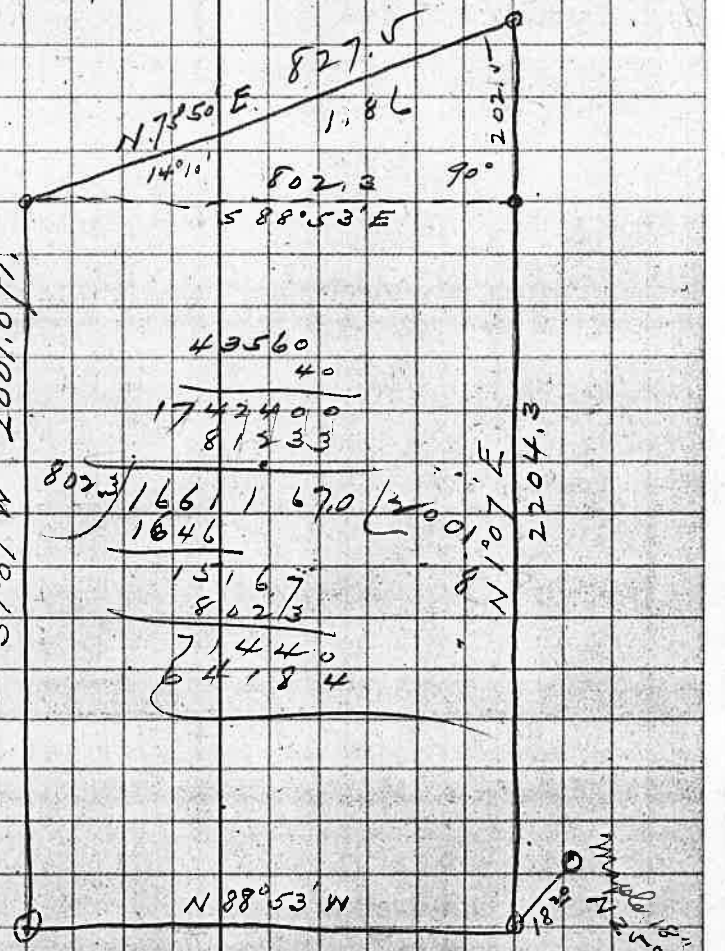
2070.5 / 2001.8 / 68.7

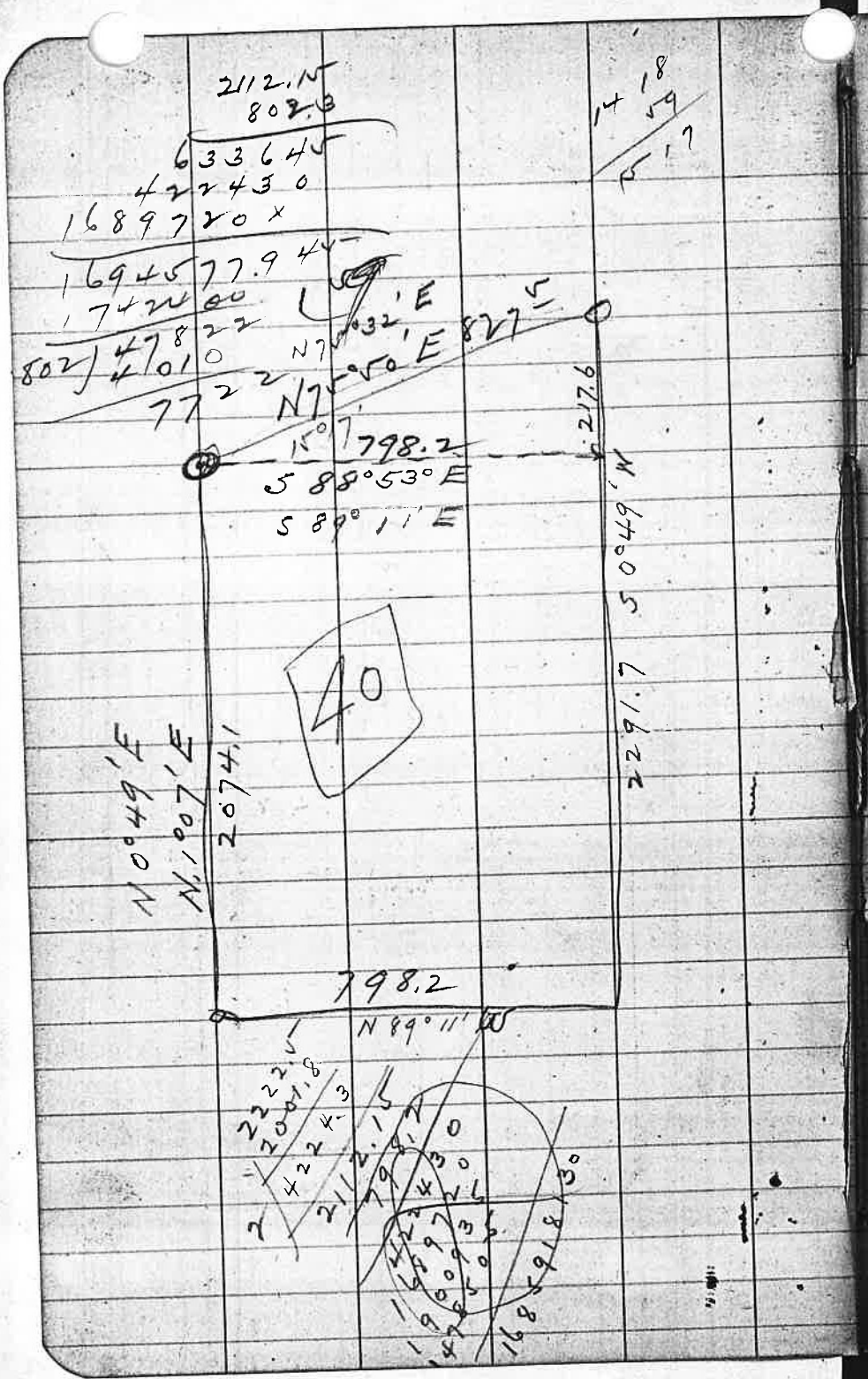
11.9 / 119 / 131.4 / 120 / 11.4

Lat. 42°56'

22° 59' 3.10"
2' 11.4"
22° 56' 51.65" + 0'36" = 22°57' 27.65" - 3P
11.95"
22° 56' 39.70" + 0'50" = 22°57' 29.70" - 4P

4 AM.





14.10
1.07
15.17

1.07
49
15.

.96959
827.5
4847 95
6787 13
8

7.5 N
88 53
16443.
15.17

.96463
827.5
48235
67524
19296
77170 4
798.2381325

26303 5-
827.5
13151 5
184121
52606
2104 24
217.6573 25

798.2 5
108.8 1
63856
63856
7982x
86844.16

174200
86844
798.2 / 16556 2074
14964
5915 6
5892 4
32820
31928
892 0

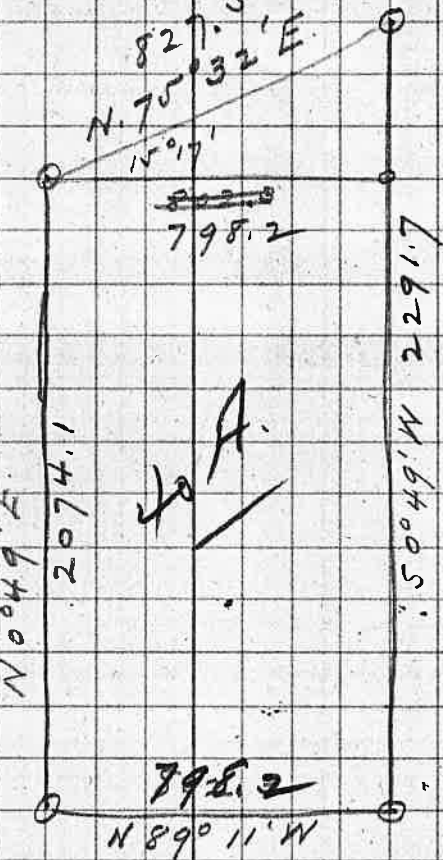
2074.1
217.6
2291.7
72.3
2219.4
2222.5
3.1

2074.1
2001.8
72.3

.96463 / 802.3000 (831.7
771704
305960
289389
16571.0
96463
692470

.96463
827.5000
482315
675241
192926
771704
798.231325

2074.1
2291.7
43655
21827
7985
6
4331
4461
17643
19803
1523
1423
17



Lat 43° N

N 22° 48′ 41 5″		4 P.M.
2′ 19 4″		
22° 46′ 22.2″	+ 24.64″	= 22° 46′ 46.84″ 2 P.M.
13.9		
22′ 46′ 8.3″	+ 32.48″	= 22° 46′ 40.78″ — 3 P.M.

Lat. 43°13'30"

N. 18°47', 29.3"
3', 32.4"

N 18°43'56.9" + 0'30" = 18°44'26.9" — 10 AM.

35.4

N 18°43'21.5" + 0'27' = 18°43'48.5" = 11 A.M.

4 AM.

3.97 Ch. = 262.0'
11.15 Ch = 736.0'
8.70 - = 574.2

N.W. Cor. Brown.

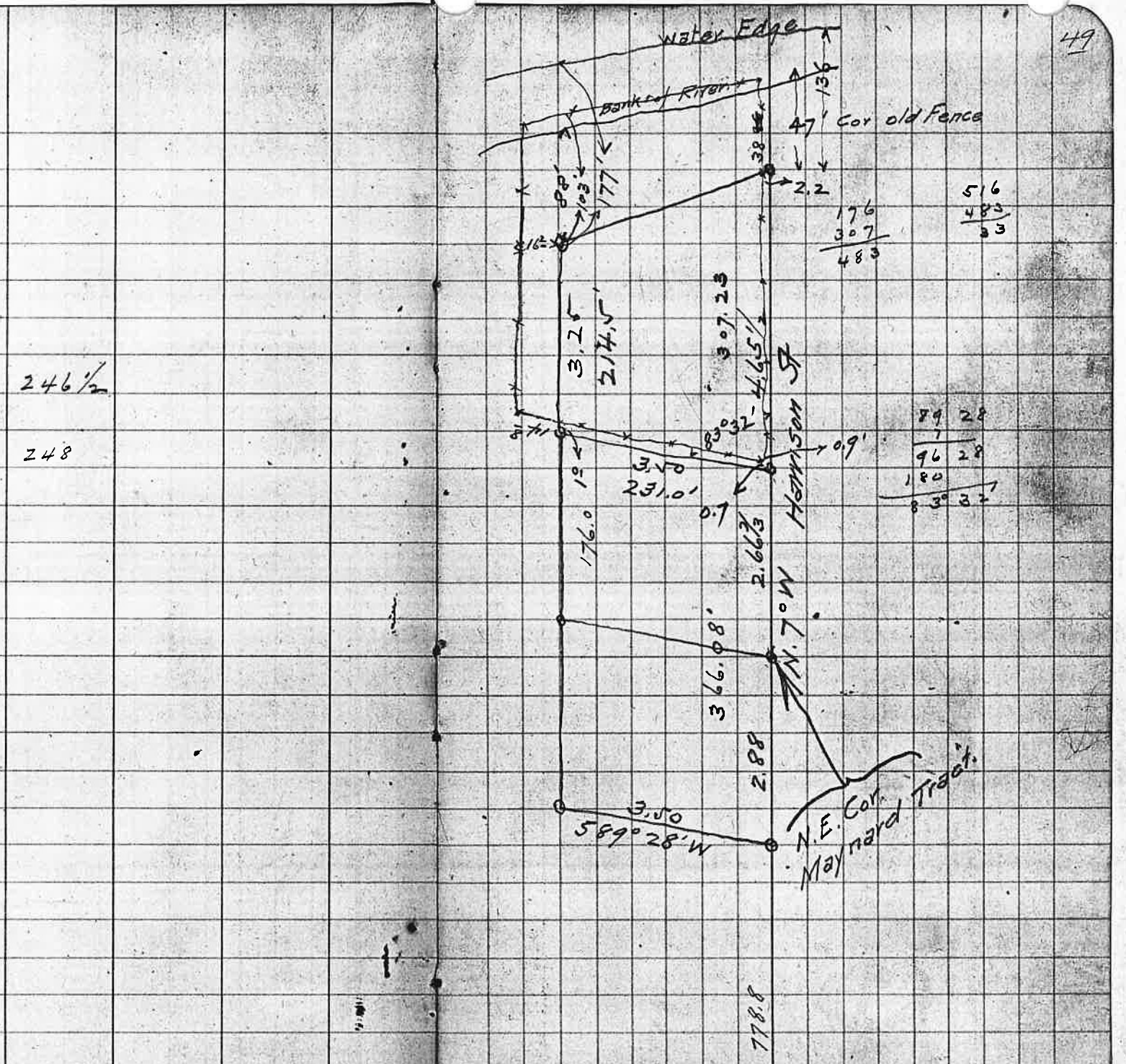
3.97

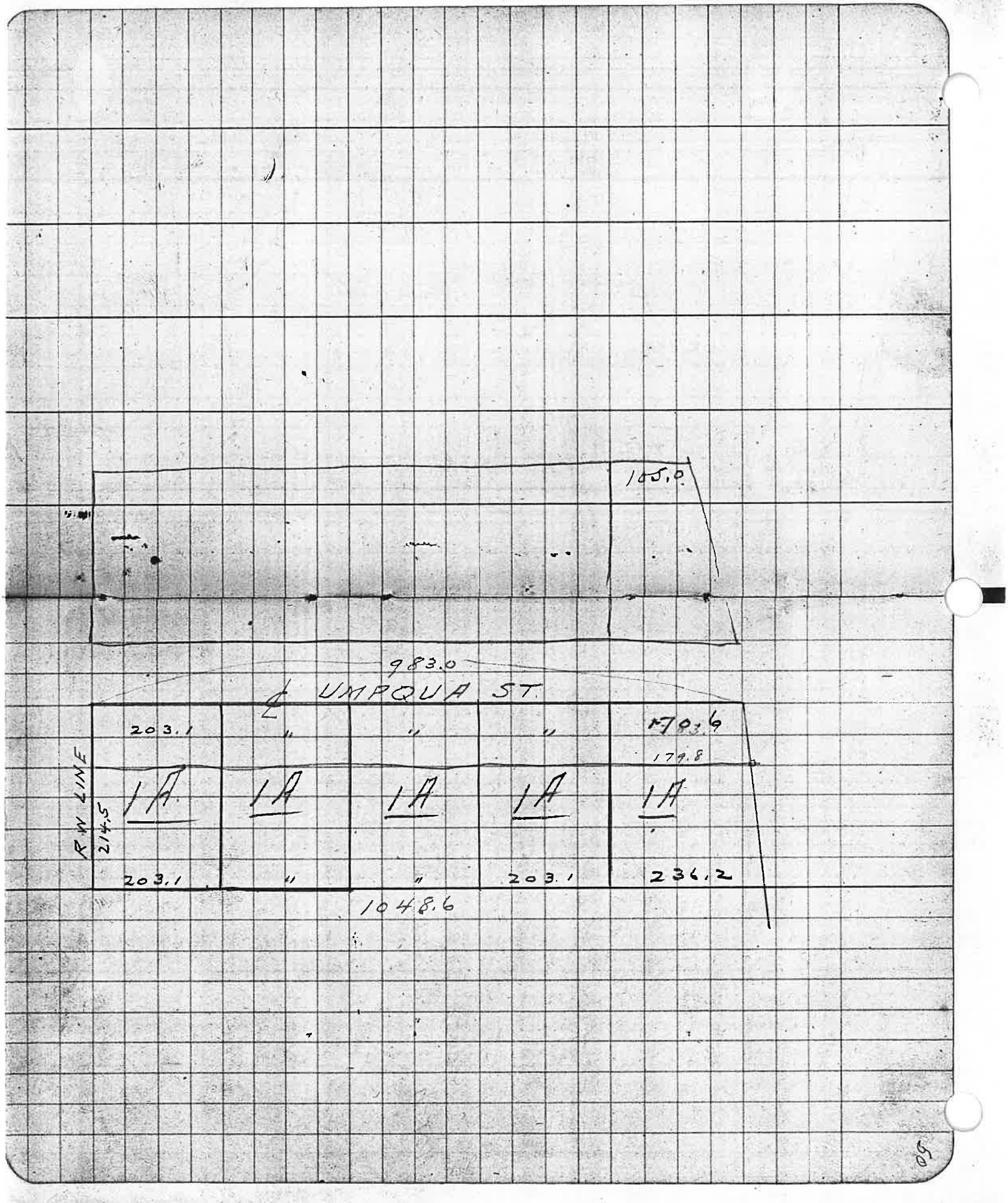
30.41

41.56

S.W Cor

S.E. Cor


Water Edge
Bank of River
47' Cor old Fence
136
38
2.2
88'
103'
177'
16
3.25
214.5'
307.23
465'
83°32'
0.9'
3.50
231.0'
0.7
176.0
2.663'
Harrison St
N. 7 W.
366.08'
2.88
3.50
S 89° 28' W
N.E. Cor. Maynard Tract
1788
516
483
33
176
307
483
89 28
96 28
180
83° 32'
246½
248


105.0
983.0
℄ UMPQUA ST.
203.1
"
"
"
N70.9
179.8
RW LINE
214.5
1A
1A
1A
1A
1A
203.1
"
"
203.1
236.2
1048.6

Survey for Al. Tompkins. May 8th 1913

N. 43°01'

I begin at S.W. Cor of Cl. #38 which I reestablish from the original B.T. a Yellow Pine 18" dia. N 60° E 393 links. Marks on the other B.T. (a W. oak) are obliterated.

At 4:00 P.M. L.M.T. I set off 17°9' on decl. arc and 43°01' on Lat arc. and establish meridian at S.W. Cor. Cl #38 T 29 S R 7 W.

Thence I run

North Variation 20°58' E.

4.00		
	500'	2.66
	1000'	5.32
	1500'	7.98
	2000'	10.63
	2500'	13.29
	3000'	15.95
	3500'	18.61
57.00	Intersect N. Line of Cl. 38	30 links W
	of Cor.	

Var 20°40' E

37.6 ✓

N16° 59' 59.00" — 4 A.M.

7' 30.96

17° 7' 29.96" + 0'40" = 17°08' 9.96" — 3 P.M.

40.96

17° 8' 10.92 + 1'0" = 17° 9' 11.92" — 4 PM.

40.96

17° 8' 51.48" + 1'40" = 17° 10' 31.48" — 5 PM.

I mark a yellow pine 16" dia, marked C38 CS BT which bears N. 33¾° W 30 links.

May 9th 1913.

N. 17° 16' 13.60" ~~4 A.M.~~

5' 2.92

17° 21' 35.52" + 2'56" = 17° 22' 31.52" — 8 AM.

40.24

N 17° 16' 13.60" 4 AM.

2' 40.96

17° 18' 54.56" + 0'56" = 17° 19' 50.56" — 8 AM.

40.24

17° 19' 34.80' + 0'41" = 17° 20' 15.80" — 9 AM.

40.24

17° 20' 15.04 + 0'33" = 17° 20' 48.04" — 10 AM

40.24

17° 20' 55.28" + 0'27.50" = 17° 21' 22.78" — 11 AM

N.W. Cor. W.O. 10" dia marked C38 CS BT.

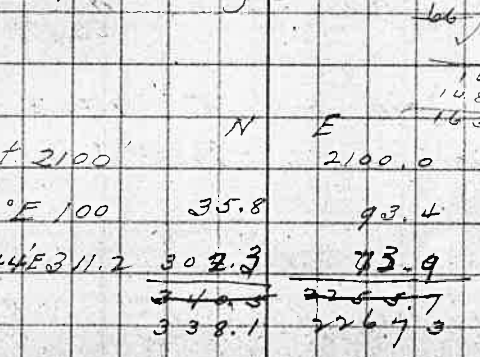
N74° E 30 lks.

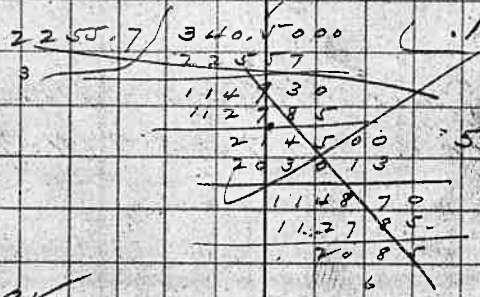
Survey for Mrs Ellen Terebaugh.
T. 29 S. R. 7 W.

May 10th, 1913.
F. Cain
F. J. Roberts
A Tompkins
} Chainman. Sworn.

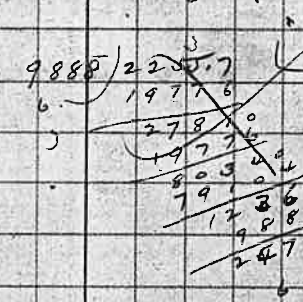
Beginning at 1/4 Sec. cor between Sections 8 and 17 which I reestablish from original B.Ts. as follows, a 5.0ak 12" dia S10°W 27 lks, the original marks have been cut out and are all obliterated except the following. mark 1/4 on the chip.; the other B.T. a B.Oak 9" dia. N78°W 21 links the original mark on which are obliterated except a scribe mark) which is evidently a part of 1/4 S or S 8.
I remark Two other trees for B.T.s to this corner.
A Fir 8" dia marked 1/4 S 58 CSBT. bears N20½° E 30 links
A W Oak 36" dia marked 1/4 S 17 CSBT. ~~S~~ S 61¾° W 84½ links
East = Var. 20°40' E
3.42 225 R. Bank of Creek
1000' Stake
1320 "
1500 "
2000

	N	E
East 2100		2100.0
N 69° E 100	35.8	93.4
N 13°44' E 311.2	302.3	73.9
	338.1	2267.3









Cor to Secs 8-9-16-17

B.O. 36" N79°30'E 243 ft
Marked S.9. C.S. T.29 S.R.7 W. B.T.

W.O. 20" dia S12¼°E 172.5 ft.
Marked C.S. S16 T29S R7W B.T.

B.O. 30" "dia N89¼°W 153.2 ft.
Marked C.S. S8 T29S R7W BT

B.O. 20" dia S70°40' W. 164.2 ft.
Marked C.S. S17 T29S R7W B.T.

S82°31'W
1141½
2283

1/16 Sec Cor Set Stake 1/16 S C S
1/4 Sec Cor.

North
2640
68.0 L B Olalla Cr.

1213 E of N W Cor C140
2280 —

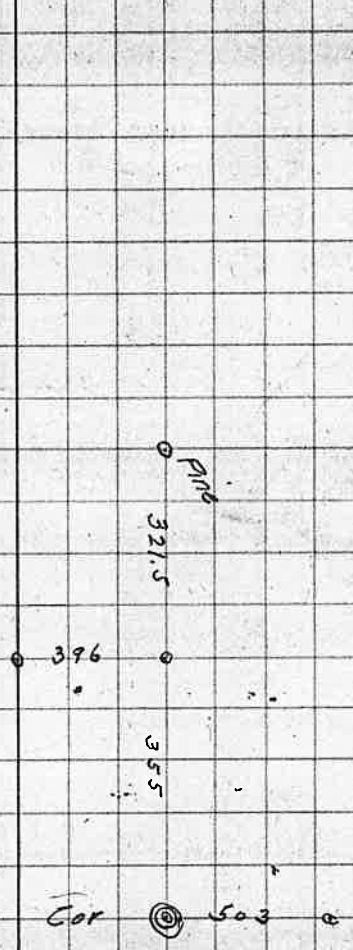
from gh Fir 8" diam S46½°E 8.7 ft
a Fir 36" " S83¾°W 22 ft

Cor to 8-9-16-17

W Oak	18"	S 34° E	247 lks	16.3
B "	18"	N 20° E	105	69.3
B "	16"	N 14° W	117	77.2
B "	12"	S 50° W	128	84.5

Cor. to Sec 4-5-8-9

B.O. 30" diam, marked S5 T29S R7W CSBT
N 31° W 431.0 ft.
Red Fir 20" diam. marked S4 T29S R7W CSBT
N 10° E 198.2 ft.



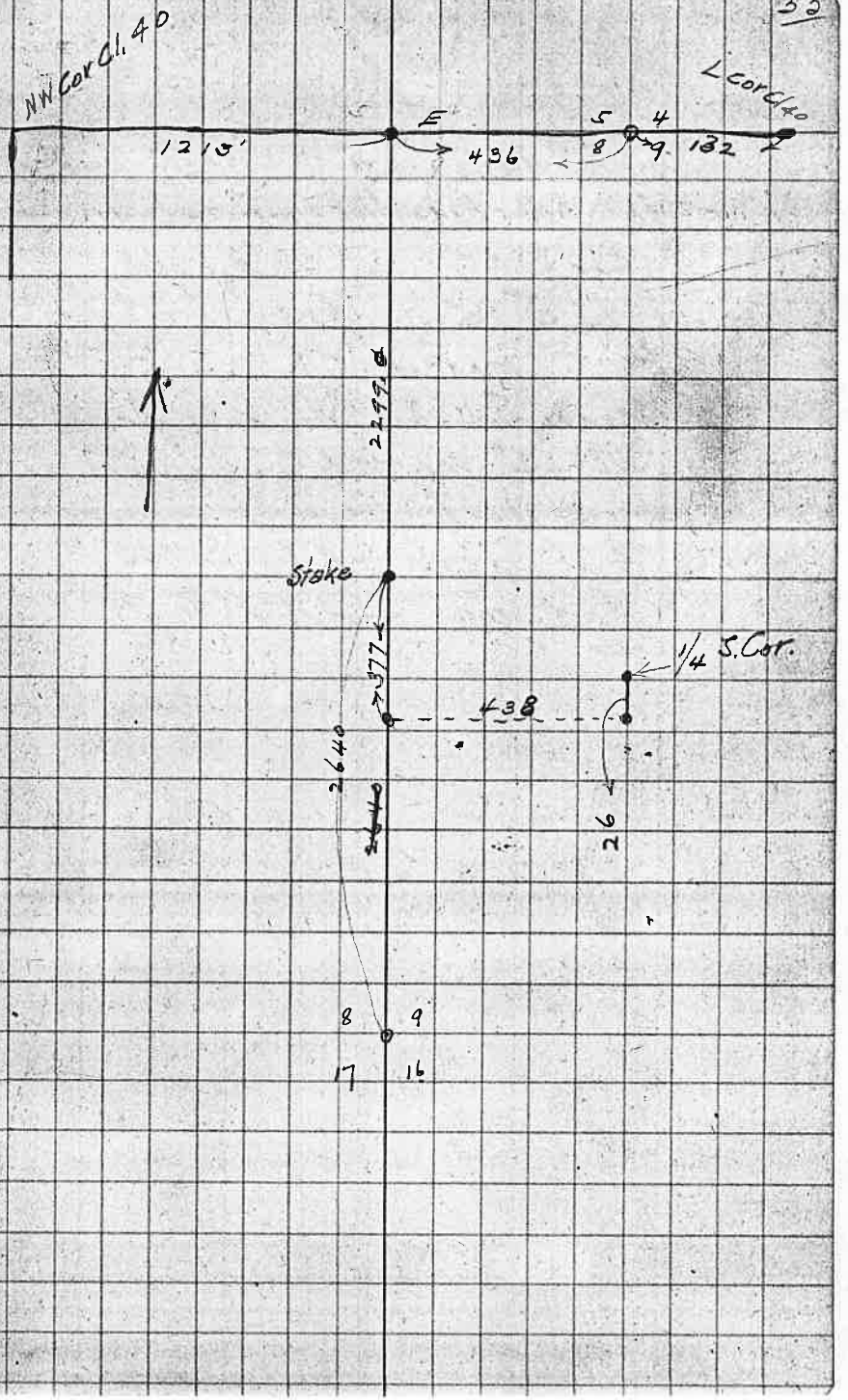
1/4 Cor between Secs 8 and 9 29/7

Red Fir 24" marked 1/4 S 59 C S B.T.
S 65½° E 63 ft

Red Fir 12" marked 1/4 S 58 C S B.T.
S 40° W 6.6 ft

N. 89° 50' W. on N Line of Mrs Tevebaugh Land
F.S. on 1/4 Sec Cor bet Secs 7 & 8
1724.2 To E Line Cl. #39 set a stake
from which
a Balm 16" marked C.S. B.T.
bears S 11° E 32 ft.
a Balm 42" marked C.S.B.T.
bears S 74° E 19.6 ft.

South
93.0 ft to S.E. cor Cl. 39 set a stake
from which a B. Oak 20" marked
C.S. C39 B.T. S 46½° E 65 ft
an Ash 8" marked C.S. B.T.
N 47½° E 11 ft.



North bet Secs 8 and 9

1165.2 ft set stake 1/16 S cor between Secs 8 and 9, marked 1/16 S. C.S. from which B.O. 16" marked C.S. 1/16 S BT bears S. 68 1/4° W. 6.3 ft
B.O. 22" marked C.S. 1/16 S BT bears N 3° E 20.4 ft

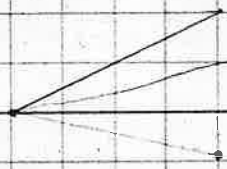
2330 S Intersect at 1/4 S cor between Secs 8 and 9

Field Book No. 63

Pages 58 - 61 Blank

Index of Book 9.

Name.	Sec. or Cl.	T-R	Cor. Establ.	date	Page.
Alten F.C.	Sec. 22	29-5			39.
Cachelin	Willis Cl. #	27-4			35-36
Computation.					40
"					40.
"					44-48.
Moore. Lucinda.	Roseburg				37.
Oak St. Bridge.					38.
Rail Creek Irrig					17-24
Reagen. Mrs	#43.	28-5		May 5 1912.	43
South Umpqua Irr. notes					1-16.
Survey. (?)					30-32
" "	#44				34.
Stovin Cl.	Wm Willis DLC.	27-5			33
Survey.	Harrison St.				49.
"	#37.	22-4.		April 25/1912.	41.
Sketch of lots on Umpqua St.					50.
Tompkins. Al.	#38	29-7	S.W. Cor Cl #38	May 8 '13	51.
Tevebaugh Ellen	Sec. 8-17.	29-7	1/4 bet 17-8 Cor. 8-9-16-17 1/16 Cor bet 8-17	" 10 1913	52-56
Winston Bridge.					25-29.



4.6
3.2
7.90
1.7
39.0
55.30
79.0
13.82.0

N69°E 100. N 0°W
5.84
3.2.30
33818

E 31
93.32
73.87
167.23

N 13°44'
97141
311.2
194282
97141
97141
29142.3
3023027.92

2334
311.2
4748
2334
2334
7122
73.8888

366
150
516
176
340

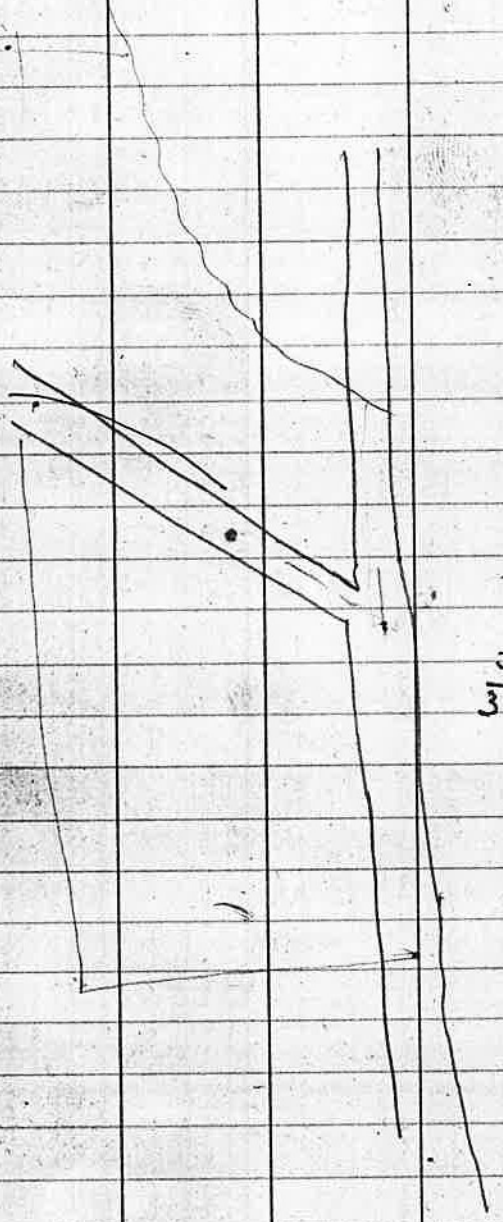
176
307
483

910
30
940
30
970

180
900

11.80
2.88
14.68
66
8808
8808
968.88
516
1484

910
30
516
1456



S 7° E Harrison ML
S 89°28' W Road

180
165 58
14°02'

$\frac{X}{200} = \frac{\sin 80°40'}{\sin 14°02'}$

.9867
200
.2425 / 197.3400 | 813.8
19400
3340
2425
9150
7275
1875

2.88
2.66 2/3
5.54 2/3
66
44
3324
3324
366.08

2.66 2/3
66
44
159.6
159.6
176.00

24.08
12.64
3672
18.36
16.5
9180
9180
11.016
1836
1836
40
30.29

8 3/8
9 1/8
109
36 1/2

4.65 1/2
66
279 0
279 0
33
3.07.23