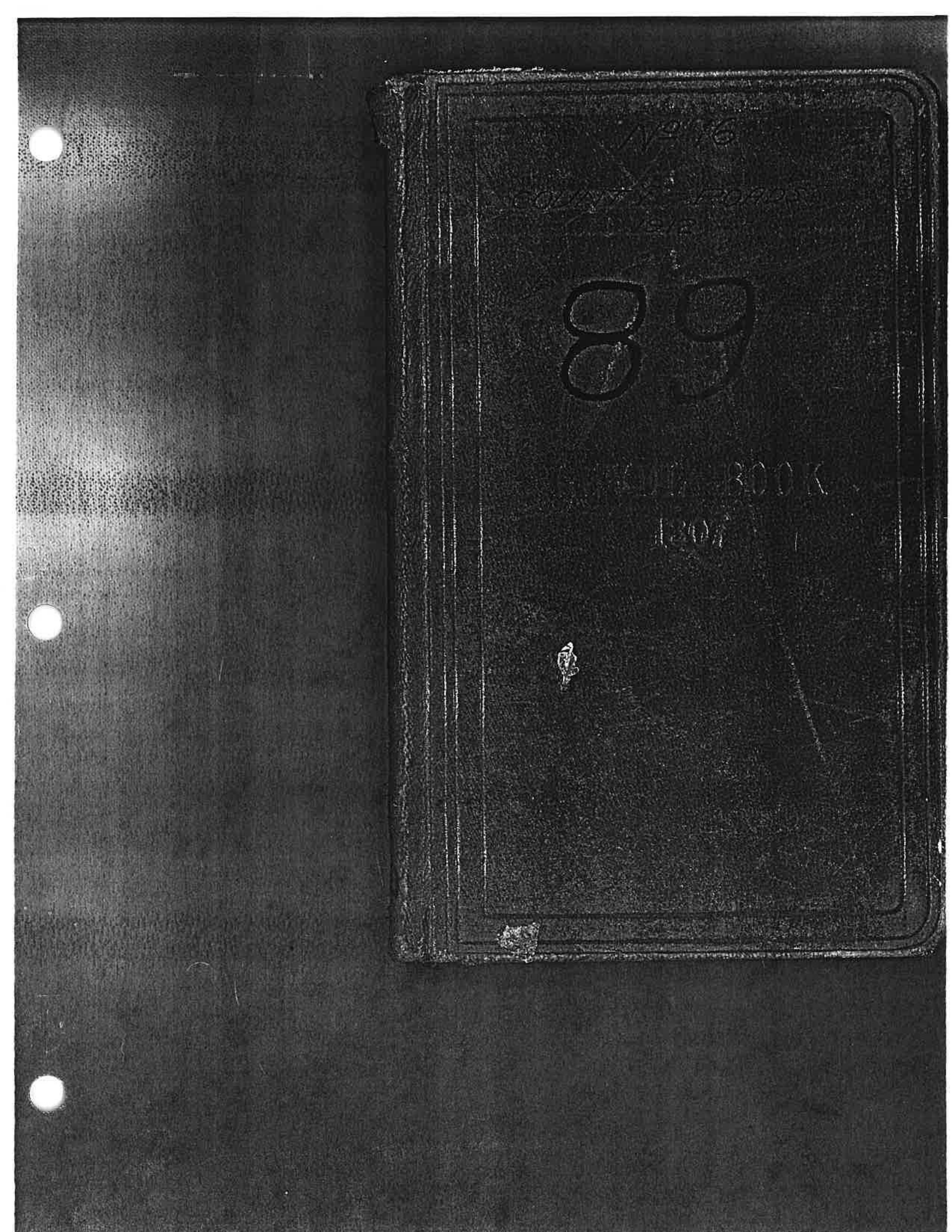
Field Book # 89



TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 20 FEET WIDE. SIDE SLOPES 1 TO 1.

FOR SINGLE TRACK EXCAVATION.

Copyright, 1902. No. 39340.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	0
1	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	1
2	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	2
3	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	3
4	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	4
5	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	5
6	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	6
7	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	7
8	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	8
9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	9
10	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	10
11	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	11
12	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	12
13	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	13
14	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	14
15	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	15
16	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	16
17	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	17
18	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	18
19	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	19
20	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	20
21	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	21
22	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	22
23	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	23
24	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	24
25	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	25
26	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	26
27	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	27
28	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	28
29	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	29
30	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	30
31	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	31
32	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	32
33	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	33
34	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	34
35	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	35
36	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	36
37	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	37
38	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	38
39	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9	39
40	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	40

Calculated by F. E. Paradis, C. E.

T 25-6

Sec 0 22+28

1/4 D. cir left 21+22

N 0°02' E 717.0

Change from west one

Blue - from map

Proposed Tee

Parallel to Robert Street

0 to 19.0 ft

South 823

$\frac{44}{123}$

$\frac{132}{310}$

$\frac{244}{116}$

Cloudy 45

Billiard
Billiard
B Billiard Billiard
& &
& &
B
6 T
Billings
S Morrano
B B
T T
B Billings
B Billards
&
Pool

(1)

Sta	+	H.I.	−	Elev
Assume ground under store which is same as road level in front of it as elev				100.00
Other store is 65 feet east sta 0+0				
" " " 90 "				" end Bridge
	0.1	100.10		100.0
B.S. 0+0			0.4	
0+25			2.4	
+50			7.5	
+65			12.0	
T.P.	0.15	88.50	11.75	88.35
+85			3.2	
B.M. 1+0			5.0	
1+15			8.3	
+25			10.0	
+50			10.6	
T.P	0.01	79.06	9.45	79.05
1+70			4.3	
1+85			11.9	
T.P	3.65		11.95	

Sta	+	HI	−	Elev
1+90	Edge Water Rock		10.95	
2+0	Old Pier stood		12.6	
Rod across river rod 1.62 and				
3.25	℄ To ℄ old Pier			
3	water			
4	"			
5	"			
5+30	edge water + Ledge rock			
T.P	4.35			Water
5+35			10.9	
5+50			6.8	
+62			3.8	
+75			0.1	
T.P	12.00		0.65	
+92			6.5	
T.P	11.55		0.12	
Sta 6			6.6	
6+25			4.8	
6+75			3.8	
7			3.7	

Sta	+	HI	−	Elev
8			2.3	

Index of Book No 16.

Name	Sec or Cl	Twp	Cor Establish	date	Page
Anderson Road				Sep 9/12	19-30
Bradburn Harding Orchards				Oct 8/12	3-45
Harding				Oct 3/12	73
Hurd Road					15-18
Hinkley R W				Oct 1/12	74
Dean M					13-14
Green Bert		28-6		July 21/12	76-77
		~~28-6~~			
Sutherlin Road					5-11
Survey		27-7		July 24/12	75

(4)

Levels old Road to be abandoned

Sta	S	A	-	R	
200	+5,0	205			
1				7,3	197
2				5,0	200,
3				1,8	203,
4				1,2	203
5 TP	8,20	210,7	2,5	2,5	208,2
6				5,9	204,8
7				11,2	199,
8				13,5	197,2
9				10,7	200,
10				5,0	205,
11				3,4	207
12				5,0	205
13				5,9	204
14 TP	9,5	219,2	1,0	1,0	209,7
15				12,3	206
+30				14,	205, Bridge 24'
16				12,4	206,
	22,7		3,5		

3					
17		219.2		4.8	214
18				2.7	216
19				4.1	215
20				5.5	213
21 TP	5.0	216.1	8.1	8.1	211
22				9.2	206
TP	1.8	204.9	13.0	13.0	203
23				6.8	198
24				5.7	199
25				6.1	198
TP	14.0	218.9	0.0		204
26				10.9	208
27				5.5	213
28				8.2	210
TP	2.1	208.0	13.0		203
29				5.5	203
30				6.3	201
31				8.8	199
32				5.0	203
	27.9		34.1		

33		208		7.8	200.	
34				2.1	205	
TP	12.4	2204	0.0		208	
35				11.8	209	
36				2.6	217	
+50				0.0	220.	Top of Knoll
37				4.1	216	
TP	00	2070	13.4		207	
38				1.7	205	
39				5.7	201	
40				9.3	197	
41				11.0	196	
TP	4.00	1980	13.0		197	
42				3.0	193	
+06				5.2	192.	End of Road to be Abandoned
			3.5		194.	Beginning point of new road ✓
	16.4		79.9			

Levels Sutherlin Proposed Road

BM 194.3	+4.8	199.1				194.3 BM Iron pipe
1				8.0	191.1	
2				7.3	192.0	
3				2.8	196.3	
TP	3.7	203.2	00		199.5	
4				0.5	202.7	
5				2.6	201.2	
6				6.4	196.8	
7				10.3	192.9	
8				14.2	189.2	
9TP	0.1	190.5	13.8	12.8	190.4	
10				3.5	187.0	
11				11.6	178.9	
+90				16.5	174.0	Cul 18x8
12				15.6	174.9	
13				9.4	181.1	
14				9.0	181.5	
15				12.8	177.7	
16TP	8.3	185.8	13.0	13.00	177.5	
	17.1		25.8			

17		185.8		12.7	172.1
+50				13.2	170.6
18				11.5	174.3
19				4.2	181.6
20				3.8	183.0
21				2.8	183.0
22				2.6	183.2
23				4.0	181.8
24TP	1.4	185.4	1.8	1.8	183.6
25				1.1	184.3
26				5.8	179.6
#25				8.7	176.7
27				5.8	177.1
28				7.6	177.8
29				7.6	177.8
30				5.3	179.1
31TP	5.0	183.2	7.2	7.2	178.2
32				6.6	176.6
33				7.8	175.2
	6.4		9.6		

Cut 12 x 24

11		183,			
TP	12.0	193.0	1.0		182.0
52				8.5	176.5
53				3.2	189.8
TP	12.7	205.7	0.5		193.0
54	"	"	"	11.5	194.2
55				13.0	192.7
56				11.7	194.0
57				10.6	195.1
58				9.9	195.8
+30				11.8	193.9
59.5	12.2	217.5	0.4	0.4	205.3
6 TP	9.4	226.1	0.8		217.7
60				7.80	218.3
61				5.00	221.1
62				4.4	221.7
63				1.2	224.9
TP	13.0	239.1	0.0		226.1
64				9.9	229.2
65				4.9	234.2
	58.3		2.7		

CM/36x36

		239.1									
66				4,5	234.6						
67				2,0	237.1						
TP	13,	252.1	0.0		239.1						
68				8,5	243.6						
69				3,2	248.9						
70				1,8	250.3						
71TP	12,	264.1	0.0	0.0	252.1						
72				7,3	256.8						
73				2,6	261.5						
74				6,0	258.1						
TP4			8,5	5,5	255.6	End of Road west side of present C/Road					
	25,0		8,6								

Levels M Dean Road

BM 100	+	=	−	P		center of Road
	5.0	105.0		1		
1				6.5	98.5	
2				6.8	98.2	
3				9.7	95.3	
4				10.6	94.4	
5 TP	5.0	101	9.0	9.0	92	
6				5.4	95.6	
TP	8.3	102.3	7.0		94.0	
7				5.7	96.6	
8				7.7	94.6	
9				7.0	95.3	
10				5.1	97.2	
11				4.3	98.0	
12				1.8	100.5	
TP	5.7	108.0	0.0		102.3	
13				4.8	103.2	
14				4.0	107.0	
15				6.4	101.6	

M. Dean

1		108.0				
16				5.4	102.6	
17				4.2	103.8	
18				5.9	102.1	
19				7.9	100.1	
20				9.4	98.6	
21TP	4.10	101.2	10.9	10.9	97.1	
22				6.2	95.0	
23				9.4	91.8	
24TP	4.0	94.3	10.9	10.9	90.2	
25				6.1	88.2	
26				6.2	88.1	
27				10.3	84.0	
28				10.0	84.3	
+50 TP.	2.7	86.5	10.5		83.8	Right bank cor c. ck 2 ft below high water
+75				11.2	75.3	
TP	0.8	74.2	13.1		73.4	
+97	11.1	72.8		12.5	61.3	Waters edge
30+05				10.4	62.4	" "
+32				1.7	71.1	

7+00+37		72.8	0.5		72.3	
	10.1	82.4				
36+50				8.9	73.5	
+53				4.5	77.9	
+72.7				3.6	78.8	Center of Road

May 28 1912

Levels, Hurd Road Fernvale

BM 100	+	-	-	R	E	
						Centre of County Road
0	5.1	105.1				
1 TP	5.1	100.4	9.8	9.8	95.3	
TP	0.4	87.8	13.		87.4	
2				5.1	82.7	
3				12.5	75.3	
4				11.6	76.2	
5 TP	5.	82.1	10.7	10.7	77.1	
6				4.5	77.6	
#80				6.6	75.5	Left bank Windy Creek
7				14.0	68.1	
+30				9.5	72.6	
8				5.10	77.0	
+06						Flume
9				7.20	74.9	
10				6.00	76.1	
11 TP	11.20	88.5	4.8	4.8	77.3	
12				4.7	83.8	
13				7.1	81.4	✓
	26.8		38.3			

		88.5				
13+50				10.2	78.3	Right bank of Creek
+65				12.5	76.0	Bottom " "
+80				7.9	80.6	Left " " "
14				7.2	81.3	
15				1.1	87.4	
TP	6.0	94.5	0.0		88.5	Top of Pile
16				5.3	89.2	
TP	12.3	106.8	0.0		94.5	
17				6.1	100.7	
18				5.7	101.1	
19				3.9	102.9	
20 TP	12.1	118.9	0.6		106.8	
2Φ				11.8	107.1	
22				3.2	115.7	
23				1.2	117.7	
TP	6.5	122.6	2.8		116.1	
24				3.5	119.1	
TP	7.9	130.5	0.0		122.6	
25				4.4	126.1	
	448		2.8			

		130.5			
TP	12,8	138,9	4,4		126,1
26				16,6	122,3
27				8,8	130,1
28				5,7	133,2
29TP	8,9	145,9	1,9	1,9	137,0
30				3,6	142,3
31				2,1	143,8
TP	11,4	157,3	0,0		145,9
32				5,0	152,3
33				7,0	150,3
TP	4,6	157,0	4,9		152,4
34				4,6	152,4
35				4,4	152,6
36				3,9	153,1
TP	6,2	161,9	1,3		153,7
37				3,9	158,0
38				5,0	156,9
39				6,2	155,7
40				5,3	156,6
TP	12,5	174,4	0,0		161,9
	56,4		12,5		

		174.4									
41				8.2	166.2						
42				6.7	167.7						
43				11.2	163.2						
44				5.5	168.9						
TP	5.1	174.4	5.1		169.3						
45				5.8	168.6						
46				10.5	163.9						
TP	0.7	162.1	13.0		161.4						
47				3.0	159.1						
+75				9.0	153.1						
48				7.5	154.6	CMP 24x24					
49				3.6	158.5						
50 TP	6.0	165.8	2.3	2.3	159.8						
51				5.8	160.0						
52				8.0	157.8						
+80			10.	10.0	155.8	End of Road					
	11.8		30.4								

Anderson Road - Melrose. Sept. 19th 1912

Sta	+	T	−	R	E	
0	1.81	101.81		1.81	100.00	
1				9.7	92.11	
0	1.89	90.80	12.9		88.91	
2				3.4	87.40	
3				6.8	84.00	
4				11.9	78.90	
0	0.08	77.68	13.20		77.60	
5				3.7	73.98	
6				8.9	68.78	
7				13.2	64.48	
0	0.26	64.72	13.22		64.46	
8				7.2	57.52	
8+50				9.7	55.02	L Bank of Creek
8+85				19.7	45.02	Ctr. of Creek
9				12.0	52.72	R Bank of Creek
10				8.7	56.02	
0	5.57	61.59	8.70		56.02	
11				5.4	56.19	
	9.61		48.02			

		61.59									
5+2	+	x	-	R	E						
12				5.6	55.99						
13				4.3	57.29						
14				4.6	56.99						
15				3.8	57.79						
16				3.3	58.29						
17				4.3	57.29						
18				4.0	57.59						
19				3.2	58.39						
0	10.82	69.24	3.17		58.42						
20				9.2	60.04						
21				9.5	59.74						
22				9.5	59.74	12"x12" Culvert					
23				7.3	61.94						
24				6.5	62.74						
25				5.0	64.24						
26				4.6	64.64	26+20	12"x12" Culvert				
27				3.3	65.94						
28				2.5	66.74						
	10.82		3.17								

		69.24				
Sta	+	x	−	R	E	
29				1.0	68.24	
0	9.2	77.41	1.03		68.21	
30				8.2	69.21	12" x 12" Culvert 29+50
31				7.1	70.31	
32				6.6	70.81	
33				5.1	72.31	
34				3.3	74.11	33+50 12" x 12 Culvert
35				2.9	74.51	
36				2.2	75.21	
0	6.56	81.77	2.20		75.21	
37				5.2	76.57	
38				11.2	70.57	
39				11.0	70.77	R. Bank of Creek
+				23.0	58.77	Ctr of Creek
+60				7.5	74.27	L Bank of Creek
40				5.1	71.67	
0	8.11	84.81	5.07		76.70	
41				7.1	77.71	
	23 x 7		8.30			

		84.81			
Std	+	x	−	R.	E
42				6.6	78.81
43				5.0	79.81
44				1.8	83.09
@	13.35	97.37	0.79		84.07
45				10.3	87.07
46				8.3	89.07
47				3.5	93.87
48				0.5	96.87
@	12.98	109.82	0.53		96.34
49				9.9	99.92
50				5.8	104.02
51				0.4	109.42
@	5.62	114.99	0.45		109.37
52				4.5	110.49
53				9.3	105.69
+50				20.5	94.49
54				14.0	100.99
55				9.6	105.39
	31.95		1.77		

41+90 12" × 12" Box

In Gully 24" × 24" Culvert R.L

Sta	+	114.99 X	−	R	E
56				10.5	104.49
57				9.4	105.59
0	13.60	119.19	9.40		105.59
58				12.9	106.29
59				5.3	113.89
60				3.7	115.49
61				2.4	116.79
0	-0.10	116.91	2.38		116.81
62				3.3	113.61
63				4.8	112.11
64				5.0	111.91
65				2.9	114.01
65+83 0	10.95	122.24	5.60		111.31
66				10.4	111.84
67				5.4	116.84
68				2.2	120.06
0	7.60	127.62	2.24		120.02
69				7.2	120.42
70				0.5	127.12
	3225		19.82		

Sta	+	127.62 X	−	R	E	
0	5.55	133.17	0.00		127.62	
71				2.2	130.97	
72				8.5	124.67	
73				8.6	124.57	
0	7.20	131.77	8.60		124.57	
73+20				11.7	120.07	24" x 24" Culvert. Draw L 6' wide.
74				5.5	126.27	
75				0.9	130.87	
0	1.00	131.87	0.90		130.87	
76				5.8	126.07	
77				6.9	124.97	76+90 12" x 12" Culvert
78				6.6	125.27	
79				7.6	124.27	
80				7.9	123.97	
80+15				12.9	118.97	80+15 3' x 3' Culvert. Draw L 6' wide
81				5.3	126.57	
0	9.4	135.97	5.30		126.57	
82				13.0	122.97	
83						
84				14.5	121.49	
84+90				14.5	121.49	L Bank of Creek
84				24.5	111.49	Ctr. of Creek Bridge 26'
85+20	28.19		14.80	14.4	121.57	R Bank of Creek

		135.97									
Sta	+	x	−	R	E						
84											
85+90				14.3	121.67						
85											
86 85				13.6	122.37						
86											
87 86				13.0	122.97						
87											
88 87				8.6	127.37						
88											
89 88				9.9	135.07						
0	5.47	141.44	0.00	-	135.97						
89											
90 89				5.3	136.14						
90											
91 90				4.4	137.04						
91											
92 91				5.0	136.44						
92											
93 92				9.5	131.94						
93 92											
93+40				14.4	127.04	Draw L 24 x 24 Box					
94 93											
94				9.3	132.14						
94+72				0.6	140.84						
95 94				1.4	141.04						
9											
96 95				2.4	139.04						
97	13.40	154.07	0.77	-	140.67						
97 96				10.7	143.37						
+55				13.1	140.77	Draw R 24 x 24 Box					
98 97				7.6	146.47						
	18.87		77								

		154.07			
Sta	+	K	−	R	E
99 98				2.4	151.67
⊙	10.47	164.39	1.16		152.91
100 99				7.6	156.79
101 100				6.4	157.99
102 101				1.6	162.79
⊙	11.64	175.02	0.00		163.38
103 102				10.3	164.72
104 103				12.5	162.52
105 104				11.4	163.62
106 105				10.4	164.62
107 106				6.7	168.32
108 107				2.0	173.02
⊙	10.76	185.02	0.76		174.26
109 108				7.2	177.82
110 109				6.2	178.82
111 110				9.3	175.72 ✓
112 111				12.2	171.82
⊙	8.43	181.20	12.25		172.77
	41.30		14.17		

		181.20			
Sta	+	x	−	R	E
113 112				10.5	170.70
114 113				11.2	170.00
115 114				11.2	170.00
116 115				11.7	169.50
117 116				11.7	169.50
118 117				11.1	170.10
119 118				8.3	172.90
120 119				5.1	176.10
⊙	9.90	188.96	2.14		179.06
121 120				9.0	179.96
122 121				6.2	182.76
123 122				5.3	183.66
⊙	13.10	202.06	0.00		188.96
124 123				11.5	190.56
125 124				9.2	192.86
126 125				4.5	197.54
127 126				2.2	199.86
⊙ 128 127	10.55	212.61	0.00	0.0	202.06
129 128				10.2	202.41
	33.55		2.14		

		212.61			
Sta	+	π	−	R	E
130 129				4.8	207.81
131 130				3.4	209.21
⊙	12.00	224.61	0.00		212.61
131 132				10.2	214.41
132 133				6.4	218.21
133 134				3.1	221.51
134 135				2.5	222.11
⊙	12.40	237.01	0.00		224.61
135 136				12.1	224.91
136 137				9.6	227.41
137 138				5.2	232.81
138 139				2.0	235.01
139 140				0.4	236.61
⊙	12.25	248.84	0.42		236.59
140 141				8.6	240.24
141 142				2.5	246.34
⊙	13.00	261.84	0.00		248.84
142 143				6.4	255.44
	49.45		.42		

		242.85			
Sta	+	x	+	R	E
143					
144 ⊙	4.80	246.64	0.00		261.84
144					
145				2.6	264.04
145					
146				2.1	264.54
146					
147				5.9	260.74
147					
148				9.2	257.44
148					
149				11.0	255.64
149					
150				12.7	253.94
⊙	0.00	253.84	12.80		253.84
150					
151				3.4	250.44
151					
152				6.5	247.34
152					
153				7.2	246.64
153					
154				6.7	247.14
⊙	0.14	240.98	13.00		240.84
154					
155				0.8	240.18
155					
156				9.0	231.98
156					
157				8.7	232.28
157					
158				8.5	232.48
157					
158+40				13.5	227.48
	4.94		25.80		

Ctr of Creek L. 20' Wide.

		24.99				
Sta	+	X	−	R	E	
⊙	13.10	254.08	0.00		240.98	
158						
159				11.8	242.28	
⊙	13.20	267.28	0.00		254.08	
159						
160				12.0	255.28	
160						
161				8.5	258.78	
161						
162				4.7	262.58	
162						
163				3.0	264.28	
163						
164				2.1	265.18	
164						
165				0.0	267.28	
⊙ = 165+50	2.50	264.28	5.50		261.78	
165						
166				12.8	251.48	Ctr of Creek 25' Wide
165						
166+05				7.7	256.58	L. Bank of Creek.
165						
166+52				6.4	257.88	
165						
166+77				1.8	262.48	End of Road.
	28.80		5.50			

Survey of Bradburn-Harding Orchards
Near Winston. Oct. 8th, 1912.

Sta.	Hub	Def.	M.C.	C.C.		
10+15.9 = 0+00	△	101°19'R ✓		S 15°19'W	To Pt. 5.7' N. of N.E. Cor. Lot #16 - Plat "F"	(1015°)
		86°00' ✓		S86°00'E	<S89°55'E True Bearing>	
8+10.9 = 0+00	△	86°19'L		S86°20'E	S.W. Cor. of Wood Lot. = N.W. Cor Lot #16 - Plat "F"	(811.5)
7+08					S.W. Cor. of Apple Orchard - S of Barn Lot.	
		86°13'R				
0+46.2 = 0+00	△	86°10'R	S3°00'E	S0°01'E	N.W. of Apple Orchard - S of Barn Lot. Cor. of Hog Pen	(46.8)
		86°15'L ✓				
6+54° = 0+00	△	86°11'L	S86°10'E	S86°11'E	S.W. Cor. of Barn Lot.	(654.6)
0+00	△		South ~~North~~		N.E. Cor. Lot #7 - Plat "F." Iron Pin - # N.W. Corner of Barn Lot.	

Sta	Hub	Def	M.C.	C.C.		
7+78.3 = 0+00	△	72°35' L	✓	N. 29°32' E	✓	65' from L. Bank – 150' from ctr of River. 778.3 N.E. Cor. of Lot #18 - Plat "F" – L. Bank of S. Umpqua River
2+34.4 = 0+00	△	~~30°46' L~~ 30°48' L		S 77°53' E	✓	∠ Pt. in N. Line of Lot #18 - Plat "F" 234.4
6+19.2 = 0+00	△	97°08' 97°07' L	✓	S 47°05' E	✓	S.E. Cor Lot #17 - N.W. Cor. Lot #18 - Plat "F" 619.2
3+69.2 = 0+00	△	7°38' R 7°39' R	✓	S 50°02' W	✓	∠ Pt. on E side of Lot #17 - Plat "F" 369.4
1+25.5 = 0+00	△	~~6°05' R~~ 6°04' R	✓	S 42°23' W	✓	∠ Pt. on E side of Lot #17 - Plat "F" 125.5
2+15.3 = 0+00	△	21°00' R	✓	S 36°19' W	✓	S.E. Cor of Lot #16, Plat "F" = N.E. Cor Lot #17 Plat "F" 215.3

Sta	Hub	Def.	M.C.	C.C.	
3+02.2 = 0+00	△	20° 51' R 20°52' R	✓	N 32° 14' E	✓ 302.2
1+47.3 = 0+00	△	18°22' R	✓	N11°22' E	✓ 147.3
3+56.8 = 0+00	△	19°14' L 19°13' L	✓	N7°00' W	✓ 356.8
2+39.3 = 0+00	△	0°10' R 0°09' L		N12°13' E	✓ 238.3
2+79.4 = 0+00	△	~~6°59' L~~ 7°00' L	✓	N12°22' E	✓ 279.4
2+14.4 = 0+00	△	4°05' L	✓	N19° 22' E	✓ 214.4
1+60.5 = 0+00	△	13°15' L	✓	N23° 27' E	✓ 160.5
2+24.2 = 0+00	△	~~16°27' R~~ 16°26' R		N 36°42' E	✓ 224.2
3+67 = 0+00	△	9°07' L 9°16' L	✓	N. 20°16' E	✓ 367

18+85.5 = 0+00	△	100°00' L	✓	56°27' E	✓	To Pt. 5.3' S. of N.W. Cor. of N Prune Orchard.	
2+45.2 = 0+00	△	(100°17' L) 100°18' L	✓	N 86°27' W	✓	N.E. Cor. of Tract.	
1+57 = 0+00	△	2°36' L 2°35' L	✓	N 13° 51' E	✓		157.0
2+22 = 0+00	△	2°36' R	✓	N 16°26' E	✓		222.1
2+39.9 = 0+00	△	7°27' L	✓	N 13°50' E	✓		239.9
3+38 = 0+00	△	5°35' R 5°36' R	✓	N 21° 17' E	✓		338.2
2+88.8 = 0+00	△	3°53' L 3°54' L	✓	N 15°41' E	✓		288.8
3+48.9 = 0+00	△	~~11°16' R~~ 11°15' R	✓	N 19°35' E	✓		348.9
1+23.3 = 0+00	△	23°55' L 23°54' L	✓	N 8° 20' E	✓		123.3

Sta	Hub	Def	MC	C.C.	
2+50	△	82°15' L ✓ 82°13' L		S 0°09' E	Pt. 1' E & 1' S of N.W. Cor Barn Lot. (I.P.)
4+20	△	96°34' R	✓	S 82°04' W	Pt 1' E and 1' S. of Cor. (S.W. Cor of N. Apple Orchard.)
3+64.8 = 0+00	△	8°06' R ✓ 8°07' R		S 14°30' E	
2+22.6 = 0+00	△	2°38' L	✓	S 22°37' E	Pt 1' E. of Rock in Gateway.
2+45 = 0+00	△	10°32' R ✓ 10°31' R		S 19°59' E	
7+24.3 = 0+00	△	124°00' L	✓	S 30°30' E	Pt. 1' S. 86°30' E of Cor. N.W. cor. of N. Apple Orchard.
1+49.4 = 0+00	△	99°57' R	✓	N 86°30' W	

Bearing	Distance	N.	S	E	W.	
South	654.0		654.0			1
S.86°11'E.	46.7		3.1	46.6		2
S 0°01'E	810.9		810.9	0.2		3
S 86°00'E.	1015.9		70.9	1013.4		4
S 15°19'W	215.3		207.6		56.9	5
S 36°19'W	125.5		101.1		74.3	6
S 42°23'W	369.3		272.8		248.9	7
S 50°02'W	619.2		397.7		474.6	8
S 47°05'E	234.4		159.6	171.7		9
S 77°53'E	778.3		163.4	761.0		10
N 29°32'E	367.0	319.3		180.9		11
N 20°14'E	224.0	210.1		77.6		12
N 36°42'E	160.5	128.7		95.9		13
N 23°27'E	214.4	196.7		85.3		14
N 19°22'E	279.4	263.6		92.6		15
N 12°22'E	239.3 X	233.7		51.2		16
N 12°13'E	356.8	348.7		75.5		17
N 7°00'W	147.3	146.2			17.9	18
N 11°22'E	302.2	296.3		59.6		19
N 32°14'E	123.3	104.3		65.8		20
N 8°20'E	348.9	345.2		50.5		21
N 19°35'E	288.8	272.1		96.8		22
N 15°41'E	338.1	325.5		91.4		23
N 21°17'E	239.9	223.5		87.1		24
N 13°50'E	222.0	215.6		53.1		25
N 16°26'E	137.0 X	131.4		38.8		26
N 13°51'E	245.9	238.8.		58.9		27
N 86°17'W	1885.5	122.2			1881.5	28
S 6°27'E	154.7		153.7	17.4		29
N 86°30'W	723.3	44.3			723.9	30
S 30°30'E	246.0		212.0	124.9		31
S 19°59'E	222.6		209.2	76.1		32
S 22°37'E	364.8		336.7	140.3		33
S 14°30'E	419.0		405.6	104.9		34
S 82°04'W	250.0		34.5		247.6	35
		4166.2	4192.8	3717.5	3725.6	

Barn lot.

Begin at N.W. Cor.			True Bearings		
	Assumed Bearings				
	N. 82°04' E (5°43' E)		250.0	N 78°42' E	To S.W. cor of N. Apple Orchard.
	N 87 47' E		500.0	N84°25' E	" To N.E. cor. of Barn Lot.
			532.0	S22°03' E	" S.E. " " " "
			668.0	S70°53' W	At 74.3 N.W. Cor. of Slough E. of Hay Field = N.E. Cor of Hay Field (Course)
					" N.E. Cor of S. Apple Orchard (Note - Balance on Line)
			227.0	S80°09' W	" N.W. Cor S. Apple Orchard.
			46.7		" S.W. " " Barn Lot
	North		1654.0		" N.W. " " "

South Apple Orchard.

Begin at N.E. Cor.				
		227.0	S 80°09' W.	To N.W. Cor. of S. Apple Orchard.
	S 0°01' E	708.0		To S.W. Cor of S Apple Orchard. = N.W. Cor. of Wood Lot
		(Calculate)		To S.E. " " " " " = N.E " " " "
		781.0	N.8°44' W	" N.E. " " " " " = N.W. Cor. of Hay Field.

Wood Lot S. of S. Apple Orchard.

Begin at N.W. Cor. = S.W. Cor of S. Apple Orchard				
	S. 0°01' E	102.9		To S.W Cor of Wood Lot
	S 86°00' E	298.9		" S.E. " " " "
		77.0	N8°44' W.	" N.E " " " "
		(Calculated)		" N.W " " " "

Slough between S. Prune Orchard - E Apple Orchard and Hay Field.

Begin at S. W Corner

148.0	S. 89°55' E	
522.5	N. 8°04' E	=S.E. Cor. of Hay Field
441.0	N 20°34' W	To " " " " Slough = N.E. Cor Lot #16 - Plat F.
		To N.W Cor. of South Prune Orchard.
		Along W. Side of S Prune Orchard
		" W. " " E. Apple "
180.0	N 31°39' W	Along W side of E Apple Orchard
		At 142' N.W. Cor. of E. Apple Orchard = S.W. Cor. of Pear Orchard.
		To N.E. Cor. of Slough.
118.0	S 70°53' W	At = 43.7' S.E. Cor. of Barn Lot.
		To N.E Cor Hay Field = Cor. of Pear Orchard
		To Pt. "A" <See Note next Page>
		To S.W. Cor.

East Apple Orchard. <Young Trees>

Begin at S.W. Cor.

	619.8 ~~621.3~~	N. 89°06' E	=N.W. Cor. of S. Prune Orchard.
N 7°00' W	66.6		To S.E. Cor = N.E. Cor. of S. Prune Orchard.
N 11°20' E	302.2		
N 32°14' E	123.3		
N 8°20' E	77.6		
	943.3	S 88°25' W	To N.E. cor = S.W. Cor. Pear Orchard.
	~~944.3~~	~~S 88°34' W~~	To N.W. Cor of E. Apple Orchard.
	142.6	S 31°39' E	Along E side of Slough.
	441.0	S 20°34' E	" " " " " To S.W. Cor.

Assumed Bearings	Dist.	True Bearings	
Hay Field. ✓			
Begin at N.E. Cor.			= N.W. Cor. of ~~Barn Lot~~ Slough.
	593.7 ~~668.0~~	S 70°53' W	To N.W. Cor. of Hay Field = N.E. Cor. of S. Apple Orchard
	858.0	S. 8°44' E	To S.W. " " " " = S.E. " " Wood Lot
	570.0	S 89°55' E	" S.E. " " " " = S.W. " " Slough.
			" Point "F" <See Note below>
			" N.E. Cor. of Hay Field.
✓ **S. Prune Orchard.**			
Begin at N.E. Cor. of Lot #16 - Plat "F"			= S.W. Cor. of Slough W. of S Prune Orchard. = S.W. Cor. of E Apple Orchard.
	522.5	N. 8°04' E	Along E. side of Slough. To N.W. Cor. of S. Prune Orchard
			<Note. From N.W. Cor. S. Prune Orchard S 84°54' W 168± ft to Pt "A" on W. Side of Slough.>
	620.5 ~~621.3~~	N 89°04' E	{To N.E. Cor. of S. Prune Orchard in Meander Line 65' W. from Bank of River.
S 7°00' E S 12°13' W	80.7 3 sets 8		
And Courses 17 to 5 Inc.			To N.E. Cor. Lot #16 - Plat "F"

Pear Orchard. (Bartlet)

Begin at S. W. Cor.

		37.4	N 31° 39' W
		43.7	S 70° 53' W
		532.0	N. 22° 03' W
		1306.0	N 87° 34' E
	S 19° 35' N.	283.3	
	S 8° 20' W.	271.3	
		944.3	S 88° 34' W

= N. W. Cor. of E. Apple Orchard

= S. E. cor. of Barn Lot.

= N. E. " " " " = S. W. Cor of Comise Pear Orchard

To N. E " " Bartlet Pear Orchard = S. E. Cor. of Comise Pear Orchard

To S. E. Cor Bartlet Pear Orchard = N. E. Cor of E. Apple Orchard.

To S. W. Cor.

North Apple Orchard.

Begin at N.E.Cor.			
	N86°30'W	658.2	
	S30°30'E	246.0	
	S19°59'E	222.6	
	S22°37'E	364.8	
	S14°30'E	419.0	
		353.0	N.84°25'E

Note - Reduct 40' Road from South End of North Apple Orchard Tract

<Calcutate>

Comise Pear Orchard.

Begin at S.W. Cor.			
		1306.0	N.87°34'E
	N19°35'E	5.5	
	N15°41'E	168.5	
		600.0	S87°34'W
	N15°41'E	54.2	
			S 89° W
		250.3	S21°00'E

= N.W. Corner of North Slough.

To N.W. Cor of North Apple Orchard.

Point in N. Line of Barn Lot.

To S.W. Cor of North Apple Orchard

North Slough.

To S.E. Cor. of N. Apple Orchard = S.W. Cor. of

To N.E. Cor. of N. Apple Orchard.

= N.E. Cor. of Barn Lot.

Bartlet Pear Orchard

To S.E. Cor. of Comise Pear Orchard = N.E Cor. of

Prune Orchard.

To N.E. Cor of Comise Pear Orchard = S.E. Cor of North

Prune Orchard.

To N.W. Cor of C. Pear Orchard = S.W. Cor. of North

To S.W Cor

North. Slough.

Begin at S.E. Cor.			= N.E. Cor. of Barn Lot.
	250.3	N. 21° W	To S.W. Cor. of N. Prune Orchard
	456.6	N. 20° 42' W	Along W Side of North Prune Orchard
	427.5	N. 5° 08 W	" " " " " " " To N.E Cor.
N. 86° 30' W	67.1		To N.W. Cor. of North Slough.
	(Calculate)		To S.W " " " "
	147.0	N. 84° 25' E	To S.E. " " " " = S.W. Cor. Comise Pear Orchard.

East Slough. Within N. Prune Orchard

Begin 45.0' N 21° 17' E (Assumed Bearing) from S end of Course #24			
N 21° 17' E	101.5		
	270.0	N 43° 16' W	Along N Side of Slough (S 63° W 66° to pt. on S side) (A)
	137.0	N 27° 32' W	" " " " " S 70° 30' W 70' " " " " " (B)
	155.8	N. 12° 42' W	375.2 ft. West from N.E. Cor. of North Prune Orchard
N 86° 17' W	100.0		To North Line of North Prune Orchard.
S. Ely	To (B)		" W Side of Slough.
"	to (A)		
"	to Beginning.		

338.1
168.5
16-9.6

North Prune Orchard.

Begin at S.E. Cor.

	600.0	S. 87°34' W
N15°41' E.	54.2	
	839.8	S. 89° W
	456.6	N. 20°42' W.
	427.5	N 5°08' W
N6°27' W	154.7	

Courses 28-27-26-25-24

S15°41' W 169.6

= N.E. Cor. of Comise Pear Orchard.

To S.W. Cor. of N. Prune Orchard = N.W. Cor. of Comise Pear Orchard.

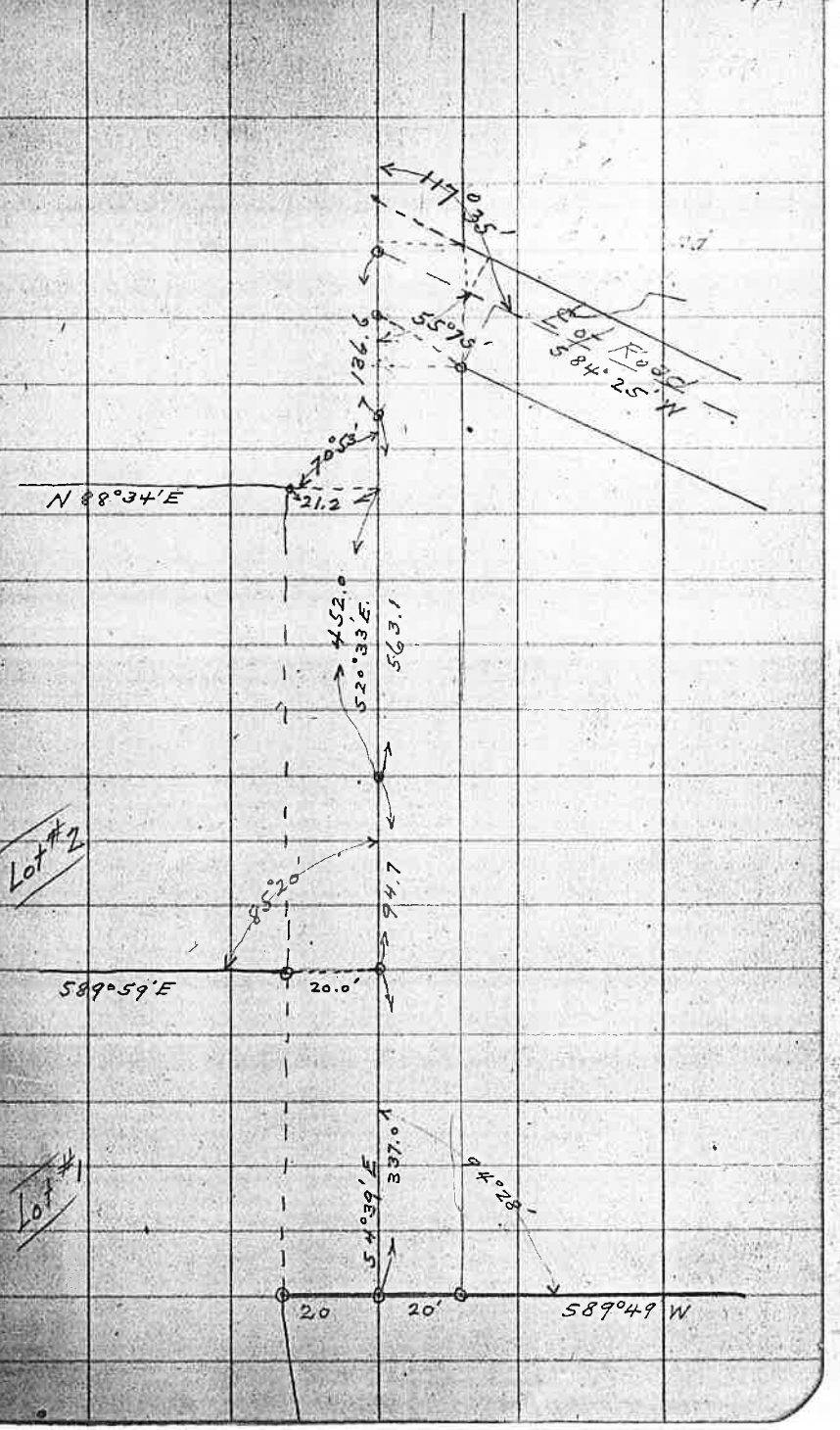
Along E. side of North Slough.

" " " " " " To N.E cor North Slough

To S.E. Cor.

Survey of Road - Bradburn - Harding Orchards.

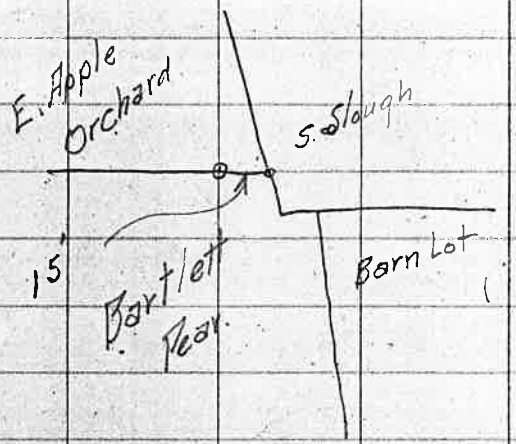
11+31.4	△	7°10' R	S 33°10' E
9+94.8	△	19°47' L	S 40°20' E
8+83.7			
4+91.7	△	15°54' L	S 20°33' E
3+37			
0+00	△		S 4°39' E



17+29.8 Δ

d 35.8

12+91 Δ 9°00' R.



Field Book No. 89

Pages 46 -69 Blank

March 15 1913

Survey for H.F. Wells

Beginning 535' South from NW Cor of Aaron J Tiefer DLC #63 T30-5 to Center of Shoestring Creek.

		Chs
S 57° 15' W	335	5.07
S 47°-45 W	601	9.10
S 9- 35 W	213	3.22
S 87° E	250	3.79
S 0 -30' E	2641.5	40.02
N 87°-25 E	479.6	7.25
North	3425.5	51.96

From this point North cor brs N 8° W 94.5

Copied From FB 6 1913 Road, T6S, E1

6° 36′	19.50″	(4 AM)			
8′	32.37				
6° 44′	51.87″ +	1′ 09.44″ =	6° 43′ 43.43″	1 P.M.	
6° 45′	56.93 / 48.80″ +	1′ 15.04″ =	6 44′ 33.76″	2 P.M.	
6° 46′	56.93 / 45.73 +	1′ 31.84″ =	6° 45′ 13.89″	3 P.M.	
6° 47′	56.93 / 42.80″ +	2′ 15.52″ =	6° 45′ 26.28″	4 PM	

1/4 Sec Secs 21 & 22.
T 28 S

S 0°22′ W	848.5	
East	349.9	
	1025.0	
	461.6	
N 3°41′ W	176.8	
West	47.2	
N 3°35′ W.	674.3	

E & S.

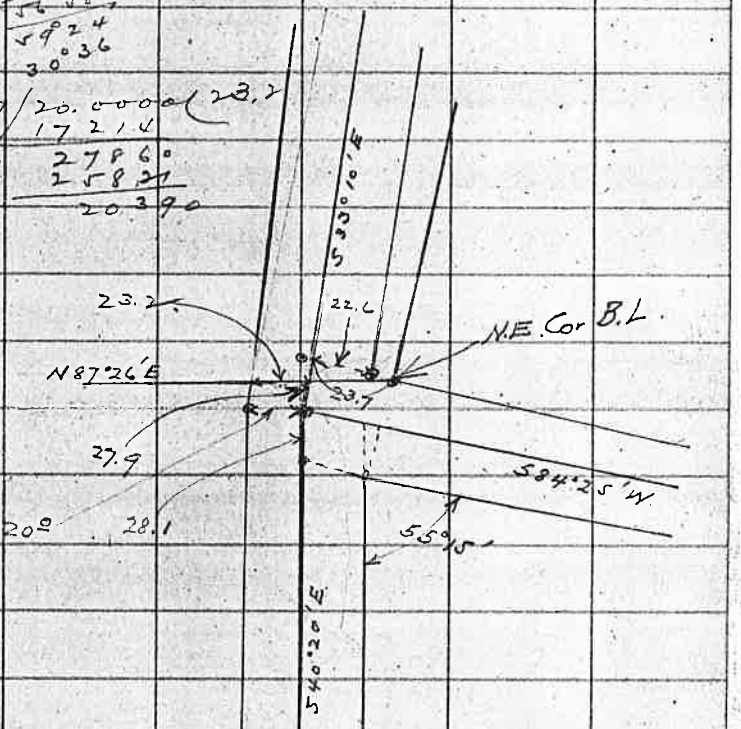
1197.4
349.9
848.5

2°34'
5924
30°36

8607 / 20.0000 (23.2
17214
27860
25821
20390

99219
28.1
99219
793752
199438
27.880539

995 / 20.0000
1996
004000
20.0



84 25
40 20
124°40'
180
55 15'

84°25
32 10
117°35'
90
27°35'

Oct 3 1912

Harding

Begin at a point N41°07'E 23.5 ft from Cor Secs 28 29 32 33 T26S R6W

N00°15'W	230.5
East	243.6
S03°46'E	327.8
N33°51'E	302.8

1.20/100

To place of beginning

Beginning at a point 44 ft North of the NE Cor of Lot 4 of Plat E Roseburg Home Orchard Tracts

N00° 11'W	355.1
~~North~~	~~347.6~~
West	252.2
S00° 11'E	335.7
~~South~~	~~328.1~~
S85°35'E	253.0

2.00 Acs +

18°
120 00
55 15

199692 / 20.0000 (2°
19938
6160

North 629.5 cor Lots 8 & 17 B/K 5 74

" 1277.6 " " " "

28.00.
1 84.
29 84

Oct 1 1912

Survey for R.W. Hinkley

CC Boyer & Jesse Cole Chain men

Beginning at the NE Cor of Lot 6 Roseburg Home Orchards Plat E

West	2955.3 2986.0		
South	2559 2549.6		To Cor of Lot
"	2671.8 2611.6	2691.8	Point 40'
N76° 45'E	228.8	248.7	South side dedicated Road
N17° 44'E		419.3 ✓	North of County Road
N03° 46'W		570.3 ✓	offset 20, South to Center of road
N50° 15'E		262.2 ✓	
N5C° 20'E		302.0 ✓	
N86° 13'E		708.0	
S85°35'E		429.7	
		699	
North		698.0	
East		593.5	
West		586.7	
N30°09'E		90.2	
N37°06'E		663.1	to begin

July 28 1912

Begin at 1/4 Sec cor bet Secs

Thence West ~~785.7~~ 784.0 ft

1 North 11,0 " to

N0°8E 406.2

N89°23E 272.0 To NE Cor Lot

S.0 22E 163.4 " SE " "

S89°29W 241.5 "

S0°8'W 242.9

West 21,0 ft to place of begin

1647
28
136.6

(75)

35 R 36 Tp 27-S R 7 W

Initial monument

To NW cor of lot

21' to NW cor of Cemetery Lot

94° 28
89° 49'
4° 39'

mmg 71019 / 20,000 / 14 2038 / 579620 2 ft.

July 2, 1912

Bert Green

Beginning at Cor of Secs 8, 9, 15 & 16

South	823, 1650	12.19 chs
East	1850	28.13 chs
N 21° E	881	13.09
N 32° E	975.5	to point 200' East of
West	—	32.83 to place of beginning

Begin at point 319' South

Thence	S 72° 58' W	204.0
"	S 17° 02' E	478.0
"	N 72° 58' E	276.0
"	N 17° 02' W	478.0
"	S 72° 58' W.	69.0'

(76)

7109 / 20.000 (28.1 20 chs
14218 49
5782. 257
5687
9480

L 9
207
72

TP 2 F-L

Cor to be established

m.q Cons 37.15 acs

From NE Cor Lot 9 Glen D Park

7° 57'

9904 / 20.00 (20.2
19808
19200

	A				
Δ	-0°45'	3,00	0,13	4,00	
Δ	-7°49'	2,00	13,7	26,40	
Δ	-2°25'	2°10	11,2	23,5	
Δ	-8°26'	1 20	14,8	17,4	
Δ	7°31'	190	18,2	25,1	✓
Δ	2°11'	240	10,9	26,1	
Δ	8°30'	11,2	14,9	16,7	
Δ	3°24'	92	5,9	5,0	
Δ	5°52'	220	10,3	22,6	
Δ	7°56'	96	13,9	13,5	
Δ	2°45'	230	11,8	27,1	✓
Δ	4°12'	52	7,4	3,8	
	6°05'	320	10,2	34,9	
		23 96		246.7	

Beginning point 5.70' N 129.5' from the corner of the NW¼ of NE¼ Sec 22 T 22 R 7

a Fir 20" S 12° W 72'

a Cedar 16" N 85° W 73'

38 | 246.2 (87)
224
22.4

704 | 20.000
1408

1026'
69 27
70√3
1907

.00407
163
221
2442
447
6389

9489 | 20,000
18898
11020
9449
1571.0

21.2

L

19° 13'
23 54
3 54
7 27
23√
100 18
3
1572 1
58√0
9831
N 8 27 E
N 90 04 W
S 89 56 W
10
N 89 54 W
93 42
S 89° 56' W
3 36

R

09'

18 22
20 √2
11 1√
√ 36
2 36
√8 50

L
100° 00
124 00
2 38
82° 13
308 47
215 09
93 42

R
99° 47
10 21
8 07
96 34
215 09

(77)

F. J. Cole 518 S. Main St Roseburg

F.C.
6 Riddle Quad.
Detail plats.
Envelope
W.P. Paper

N E ¼ Sec 31 -
T 28 S R 7 W

1085.9 / 5.700000 (0561
5 0795
6205.0
6095.4
1090.0

180
117 35
62.25
27.25

1873.3
12.2
1885.5

186

98409 / 20.000
19 6818 (20.3
318200

99591 / 20.
199182 (20.1
8,800

84.25
40.20
124.45
180.
55.15

88634 / 20.0000 (22.58
177268
227320
177268
50052.0
44317.0
5735.00