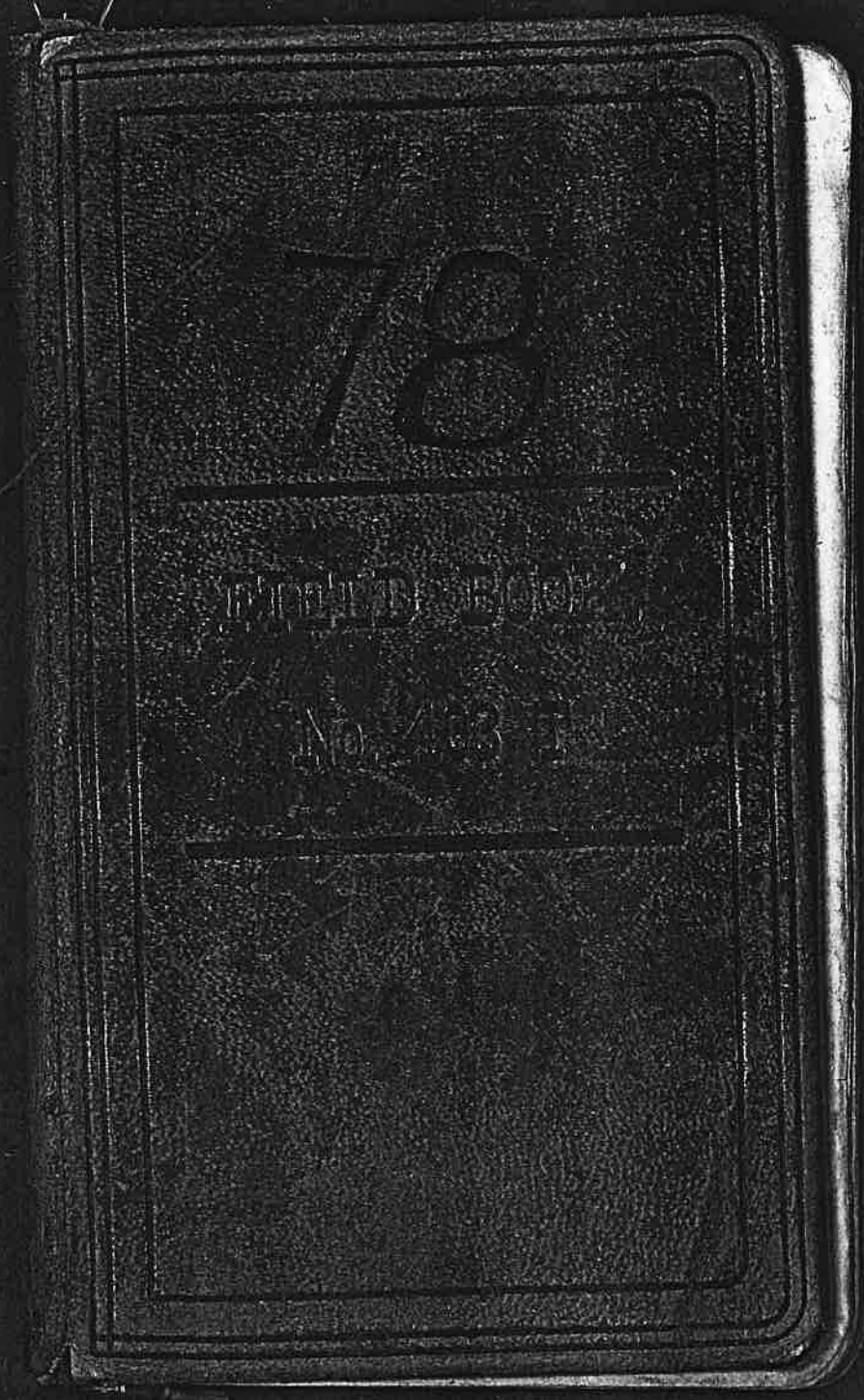
Field Book #78


78

EUGENE DIETZGEN CO.,

Drawing Materials and Surveying Instrume

NEW YORK. CHICAGO. SAN F

TABLES FOR EXCAVATIONS AND EMBANKME

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECT

ROADWAY 20 FEET WIDE. SIDE SLOPES 1 TO 1.

FOR SINGLE TRACK EXCAVATION.

Copyright, 1902. No. 30340.

39340

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

Calculated by F. E. Ro[illegible], C. E.

T. Sutherlin Land and Water Co.
Transit Book #12.

N 0° 43 W

S 0° 43 E

S 89° 47 E

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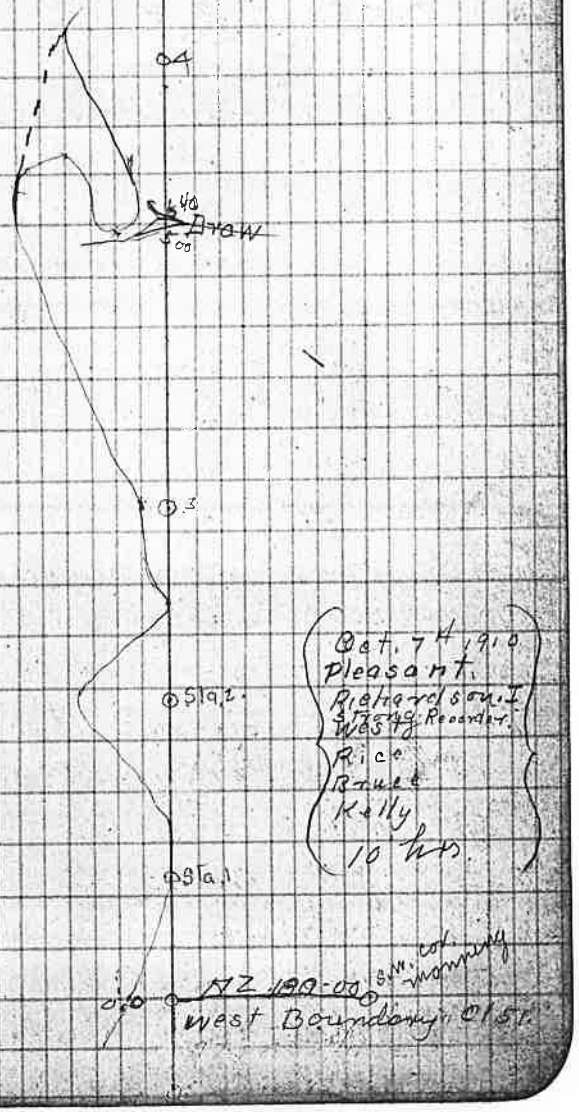
Plat K

Timber Line

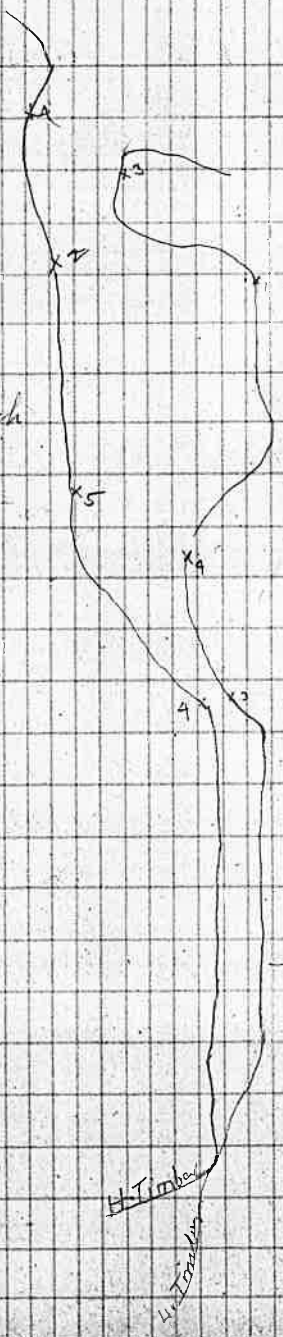
Sta.	Dist	Az.	V.A	Elev. Diff	Elev.	
a	760	038-15				Thick Timber
2	565	26-11	-4-36	-44.6	650.4	Bottom of draw
1	50	290°-00'				Thick Timber
Sta. 4	862°	19-45				
Sta. 2		173-24				
	At Sta. 3,	Elev,			694.99	
5	1100	87-10	-2-10	-41.3	629.4	foot of slope
4	125	34-10	+5-00	+10.9	652.1	Top of ridge
3	175	317-11	+5-30	+16.8	688.°	Timber
2	400	177-24	-6-38	-45.6	625.6	Foot of slope
1	200	256°57'				Timber
Sta 3	379.6	353-24				
Sta. 1.		256°57'				
	At Sta. 2.	Elev. 671.16			671.16	
2	210	181°34	-8°-10'	-30.2	623.9	Foot of slope
1	200	7-25				to Thick timber
Sta. 2.	350'	76°57				
Sta. 0.		293-04°				
	At Sta. 1	Elev.			654.09	Timber
1	75	00				Timber
Sta 1.	235.5	113-04				
S.W. Cor. Manning		180				
	At Sta. 0.	Elev.			654.46	
East side of	apire	S.W. Cor. Lot 7 Blk 4 Plat B.				



PLAT K.

Timber Line

Sta.	Dist.	Az.	V △	Elev. Diff.	Elev.	
3	380	~~334 50~~ ~~335 50~~	+ 4-30	+ 29.9	734.0	L Timber
2	600	~~305 25~~ ~~306 25~~				H. Timber
1	75	~~305 25'~~ ~~306 25~~				L. Timber
Sta. 7.	338.4/2	~~76° 07'~~ ~~77 07~~				
Sta. 5		~~215° 43'~~ ~~216° 43~~				
	At Sta. 6. Elev.				704.06	
5	600	~~95° 25'~~ ~~96 25~~	-4°45'	+ 49.8	755.2	Bottom of gulch
4	175	~~283 55~~ ~~284°55~~				H. Timber
3	200	~~283 55'~~ ~~284 55~~	+8-20	+ 29.2	734.6	L. Timber
2	700	~~335 30~~ ~~336 30~~				H. Timber.
1	360	~~335° 30'~~ ~~336° 30~~	+7-00	+ 44.3	749.7	L. Timber
Sta. 6.	798.1	~~35° 43'~~ ~~36° 43~~				
Sta. 4.		~~187° 11'~~ ~~188 11~~				
	At Sta. 5. Elev.				705.41	
5	600	~~7-10~~ ~~8-10~~	+0°40'	+ 7.2	679.3	conifers
4	400	~~356 30'~~ ~~357 30~~	+1°40	+ 11.6	683.7	L Timber
3	300	~~331 00~~ ~~332 00~~	+4°30	+ 23.7	695.8	H Timber
2	200	~~291 30~~ ~~292 30~~	+5°30	+ 19.2	691.3	H. L Timber
1	500	~~86-00~~ ~~87°00~~	-5°30'	-48.0	624.1	Footing slope
Sta. 5.	1071.6	~~7-11~~				
Sta. 3.		199°-45'				
	At Sta. 4. Elev.				672.05	
5	760	351°-48				H. Timber
4	565	7-30				L. Timber
	At Sta 3. Elev.					



Sum Reading
+ V. △ 38°46'
AZ. 337°32'
Time 10:45 A.M
@ Ch. 7th 1910.

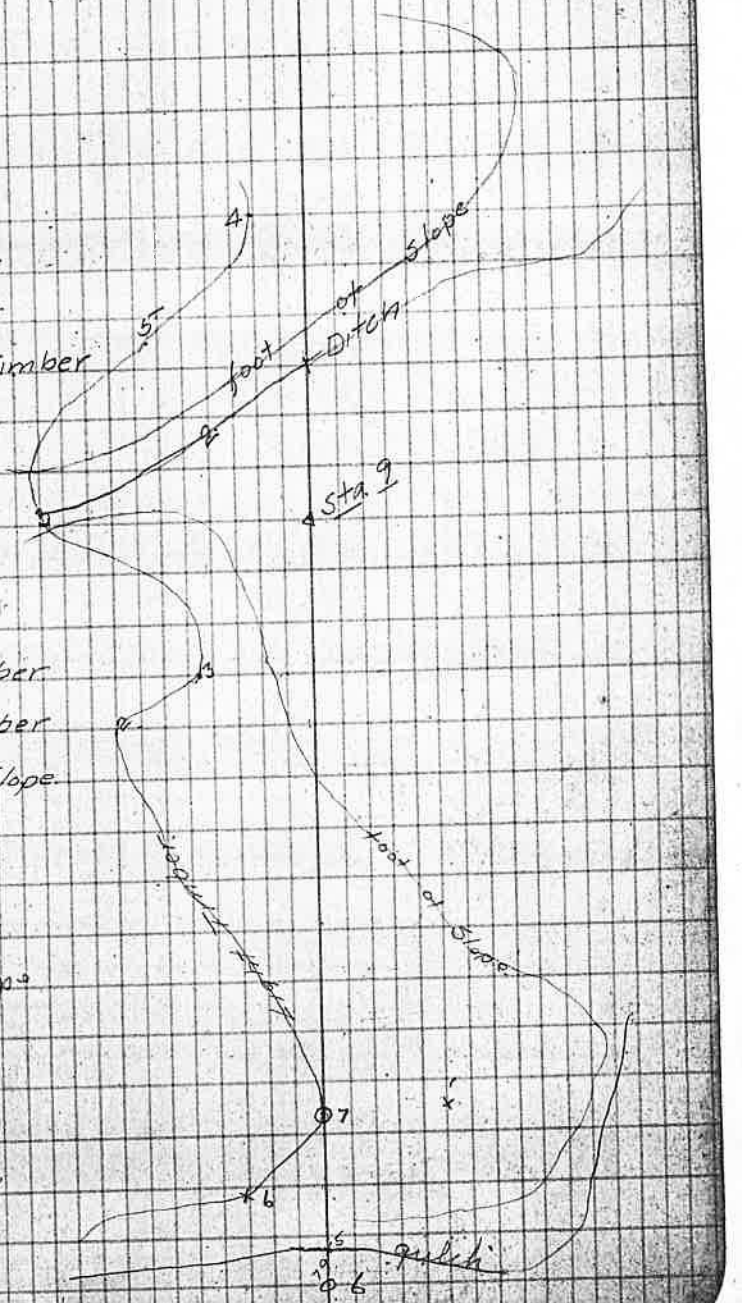
Lat 43°20" North
Long 123°20"

Calculated course
From N Bore
Sum Reading = AZ
337°10 from Sta 5
Showing our courses
to 22' to much to Right

PLAT K

Timber Line

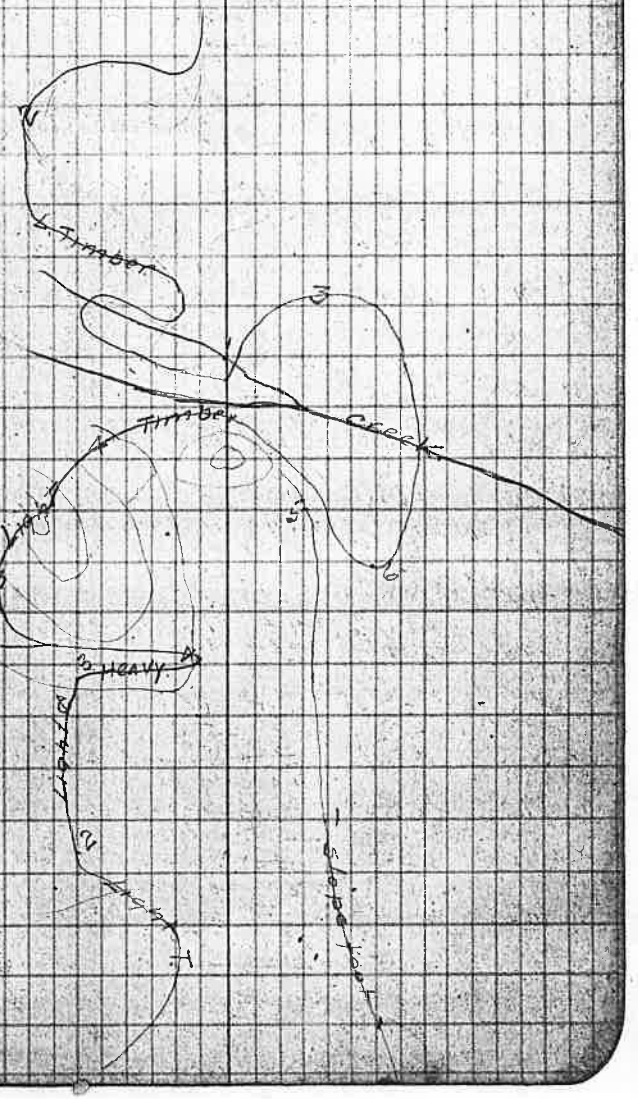
Sta.	Dist.	Az.	V. Δ	Diff.	Elev.	
Sta 11	184.5	~~44°43'~~ ~~45°43'~~	-2°30'	- 8.1	678.9	
Sta. 9	497.6 ~~597.1~~	~~230°45~~ ~~231°45~~				
		Sta. 10.			686.99	
5	500'	~~9°30'~~ 8 30'	+7°20'	+ 64.5	718.8	L. Timber
4	800'	~~29°50'~~ 28 50'	+7°20'	+ 103.2	757.5	L. Timber
3	700'	~~35°05'~~ 314 05'	+7°30'	+ 92.4	746.7	Ditch & L Timber
2	100'	~~317°00'~~ 316 00'	-1°30'	- 2.6	651.7	Ditch
1	100'	~~51°45'~~ 50 45'	-6°30'	- 11.4	642.9	Ditch
Sta. 10	497.6	~~51°45~~ 50°45'	+3°40'	+ 38.2	692.5	
Sta 8.	817.4	~~246°16'~~ 245 16'	+5°25'	+ 77.7	732.0	
		At Sta 9.			654.25	
3	500'	23°00' 22 00'	+1°40'	+ 14.5	746.6	L. Timber
2	600'	~~45°50'~~ 44 - 50	-4°00	- 42.0	690.1	L. Timber
1	300'	~~66°16~~ 65 - 16	-9°00'	- 47.4	684.7	foot of Slope
Sta 9	817.4	~~66°16'~~ 65°65°16				
Sta 7.	173.8	~~239°07~~ 138° 07				
		At Sta 8.			732.04	
1	250	~~148°25~~ 147 25	-13°30'	- 60.0	671.2	Foot of Slope
Sta. 8	173.8	~~59°07~~ 58°07'				
Sta. 6	338.2	~~257°07~~ 256° 07.				
		At Sta. 7 Elev.			731.19	
6	225	~~58°30~~ 58° 30'	+7°40'	+ 30.4	734.5	L Timber
5	79	~~77°06'~~ 77° -06'	-16-00	- 22.7	677.4	gulch
4	70	~~335°50~~ 334 50				H T.
		At Sta. 6. Elev.				



PLAT K

Timber Line

Sta.	Dist.	Az.	V.A.	Diff.	Elev.	
3	250'	~~78°30'~~ 77 30	-6°30'	- 28.5	645.2	L. Timber
2	675'	~~22°35'~~ 21 - 35	+3°40'	+ 43.2	716.9	L. Timber
1	100	~~69°17'~~ 68 17	-10°30'	- 18.5	655.2	Creek
Sta. 14	644	~~69°17'~~ 68 17	0°00'			
Sta 12	7+44	~~165°59'~~ 164 59	-1°00'	- 13.6	660.1	
		Sta 13			673 74	
7	250'	15°30'	-5°20'	- 23.3	636.7	L. Timber
6	125'	49°30'	-8°00'	- 17.6	642.4	L. Timber
5	150'	82°20'	-9°30'	- 25.1	634.9	foot of S. slope
4	550'	305°25'	+7°10'	+ 69.3	729.3	L. Timber
3	480	265°00	+12°30'	+ 106.6	766.6	L. Timber
2	450	345°59	-3°00	- 28.4	636.6	Creek Bottom
1	80	345°59'	+1°00	+ 1.4	661.4	Knob
Sta 13	744	~~345°59'~~ 345 59	+1°00'	+ 12.6	672.6	
Sta 11	830	~~214°22'~~ 213 22	+1°30'	+ 21.6	681.6	
		Sta 12. 5!			660.04	
4	600'	~~31°10'~~ 30 10	-2°00'	- 21.0	651.4	H&L. Timber
3	350'	~~354°35'~~ 353 35	+4°00'	+ 24.5	706.9	H&L Timber
2	175'	~~308°55'~~ 307 55	+10°20'	+ 31.9	714.3	L. Timber
1	275'	~~82°20'~~ 21 20	-9°20'	- 45.1	637.3	foot of slope
Sta 12	830	~~34°22'~~ 33 3°22	-1°30'	- 21.6	560.8	
Sta. 10	184	~~225°43'~~ 224. 43				
		Sta 11			682 37	
1	350'	~~97°40'~~ 96 40	- 8°10'	- 50.4	636.6	foot of slope
		Sta 10				

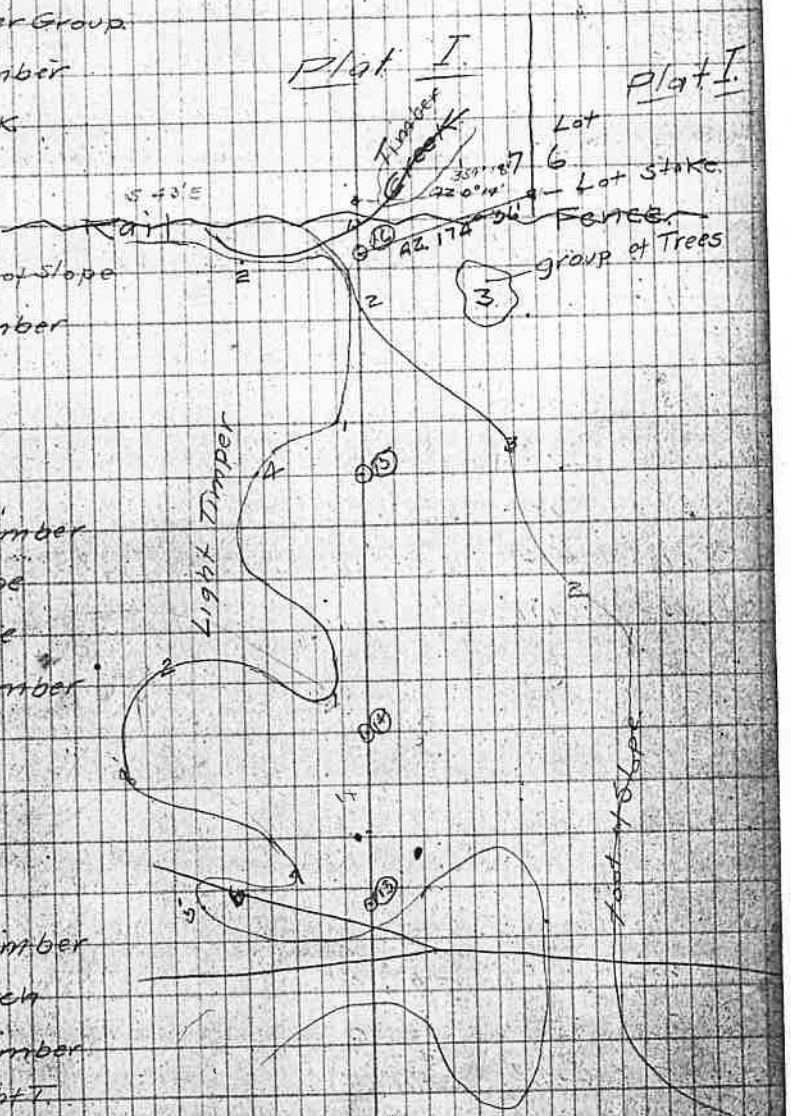


P/ H.T. K

Timber Line

Sta	Dist	AZ	Vert ∠	Diff.	Elev	
		173° 36'				East Lot Cor 6 & 7 Block 4 Plat I.
4	149.6	174° 36'				
		206 00				
3	250.0	207° 00'	+0° 50'	+ 3.8	615.2	Timber Group
		317 10				
2	180.0	318° 10'	+1° 10'	+ 3.6	615.0	L. Timber
		265 42				
1	75.0	266° 42'	0° 00'			Creek
		265 42				
Sta 15	680.5	266° 42'	+4° 15'	+50.3	661.4	
		Sta 16			611.36	
		85 42				
2	500'	86° 42'	-5° 25'	- 47.5	612.6	Foot of Slope
		72 20				
1	150'	73° 20'	-5° 00'	- 13.1	647.0	L. Timber
		85 42				
Sta 16	680.5	81° 42'	-4° 15'	- 50.3	609.8	
		248 31				
Sta 14	664.9	249° 31'	+1° 30'	+ 17.3	677.4	
		Sta 15			660.09	
		55 50				
4	625'	56° 50'	+2° 15'	+ 24.3	698.0	L. Timber
		107 35				
3	650'	108° 35'	-7° 00'	- 80.0	593.7	Slope
		165 30				
2	175'	166° 30'	-12° 30'	- 38.9	634.8	Slope
		269 40				
1	125.5	270° 40'	+1° 00'	+ 2.1	675.8	L. Timber
		68 30				
Sta 15	664.8	69° 31'	-1° 30'	- 17.3	656.4	
		248 171				
Sta 13	644.8	249° 17'	0° 00'			
		Sta 14			673.72	
		333 25				
8	375.0	334° 25'	+5° 40'	+ 37.1	710.8	
		244 40				
7	80.0	245° 40'	+2° 20'	+ 3.3	677.0	L. Timber
		229 30				
6	350.0	230° 30'	+1° 30'	+ 9.1	682.8	Ditch
		229 30				
5	400.0	230° 30'	+2° 50'	+ 19.6	693.4	L. Timber
		134 55				
4	125.0	135° 55'	-6° 30'	- 14.3	659.4	Light
		Sta 13				

Sketch

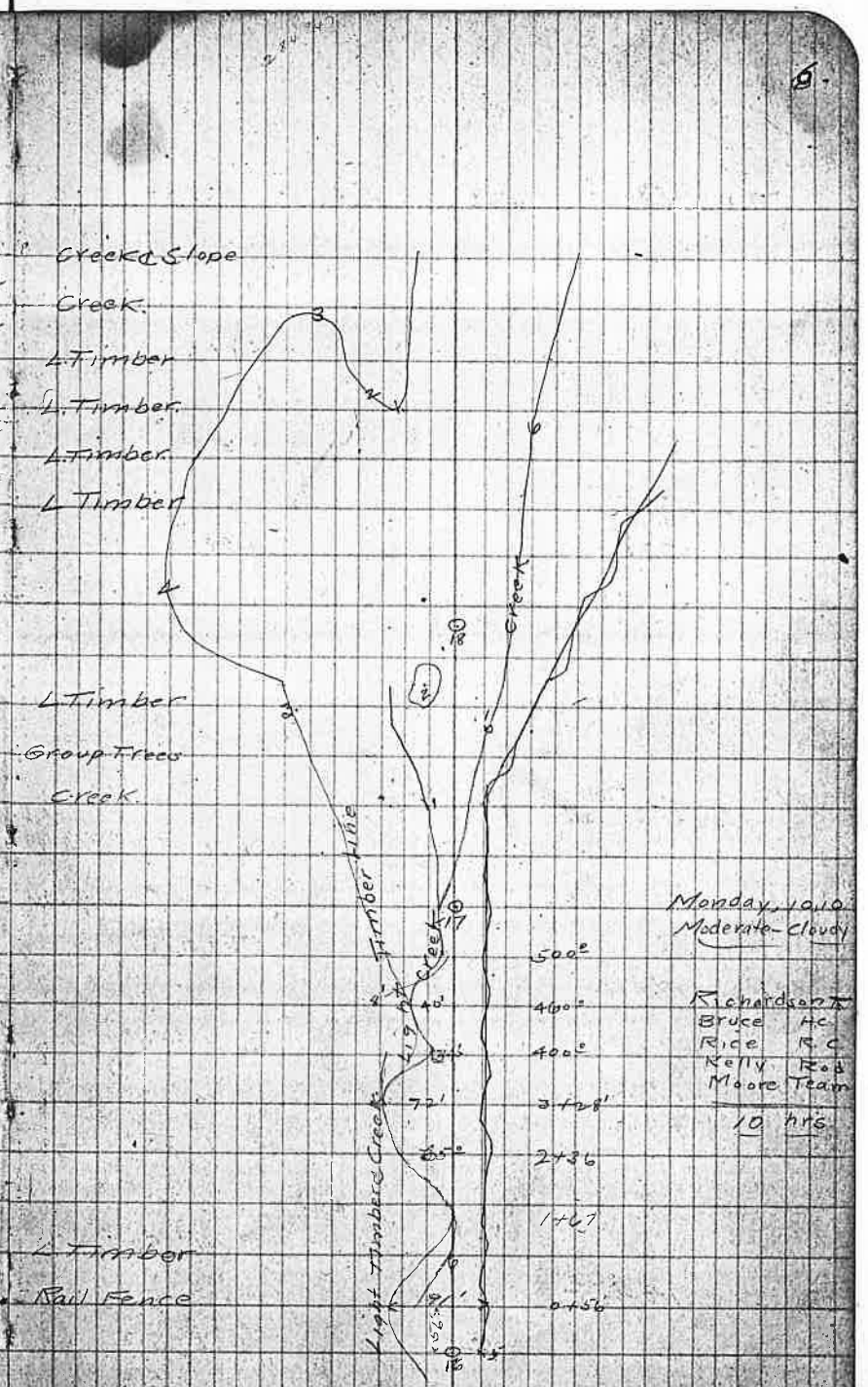


PLAT K.

Timber Line

contd in Book 13 Page 1.

Sta	Dist	Az	Vert. L	Diff	Elev	
6	290'	6°35'	- 3°40'	- 18.5	608.8	Creek & Slope
5	400±	91°40'	-3°40'	- 25.5	601.8	Creek.
4	950'	167°10'	+11°00	+184.3	808.6	L. Timber
3	800'	243°20'	+9°00'	+125.1	752.4	L. Timber.
2	280'	243°20	+10°00	+ 39.9	667.2	L. Timber.
1	220'	261°15'	+9°00	+ 34.4	661.7	L Timber
Sta 19	4+59±	284°47'	+ 2°45'	+ 22.°	649.3	
Sta 17	6+69±	95° 11'				
		At Sta 18 N.T.			627.28	
3	5-25°	245°10'				L Timber
2	250°	330°35'	0°00'			Group Trees
1	150	284°30'				Creek
Sta 18	6+69±	275°11'	+1°00'	+ 11.7	628.6	
Sta 16	6+71±	179°29' Sta 17			616.92	
6	120±	346° 10'				L Timber
5	7±	90-00				Rail Fence
Sta 17	6+71±	359°29' Sta 16			611.36	



Winnuford Tract.

Random West from 1/4 29/28

Sta.	Dist	ΔL	ΔR.	C.C.	M.C.
				S89°55'W	S89°30'W
17	26+40.0			S89°55'W	S89°30'W
16	26+29 (32°21' 222.3)			S89°55'W	S89°30'W
15	24+41.3 (26°40' 77.3)			S89°55'W	S89°30'W
14	23+72.2			S89°55'W	S89°30'W
13	23+15.4 Vert Δ 23°06' 200.5 (11.5)			S89°55'W	S89°30'W
12	21+29.5			S89°55'W	S89°30'W
11	18+70.3 (Vert 33°22' 162.3)			S89°55'W	S89°30'W
10	17+34.8 From page 19 Book 13			S89°55'W	S89°30'W
9	16+19.4			S89°55'W	S89°30'W
8	14+68.3			S89°55'W	S89°30'W
7	14+22.1				

Oct. 1, 2011 o.

Copied from Book 13

B.T. for Oak Post

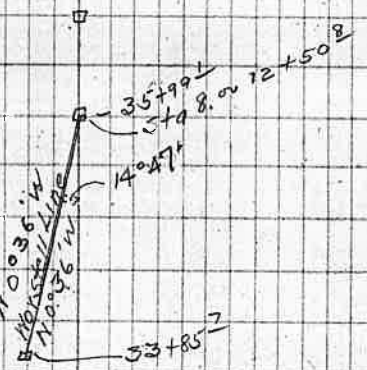
9.12" Fir bears N W (9°)

9 20" Fir bears W (59°) S

3" Oak Post. Center of Sect. 29.

Sta	Dist	ΔL	ΔR	CC.	M.C.
35+99					
8	12+50.8				
				N15°28'W	N15°30'W
7	11+23.0		28°57'		
				N44°25'W	N44°30'W
6	8+40.3		57°39'		
	(30°04' 157.2)			S84°06'W	S83°30'W
5	7+04.3				
	26°45' 140.5			S84°06'W	S83°30'W
4	5+78.8				
				↑	↑
3	4+81.4	5°59'		S84°06'W	S83°30'W
				S89°55'W	S89°30'W
2	3+55.7				
				S89°55'W	S89°30'W
1	1+68.0				
				S89°55'W	S89°30'W
0.0					
26+40				S89°55W	S89°30'W
26+29.1					

Sat. Oct. 22, 10
Cloudy - Moderate.
Richardson
West
Rice
Bruce
Kelly
Prater Team.
3 hrs.
70 Office
except West
Rice
Prater



Oct. 24, 10
Fair - Moderate
Richardson
West
Rice
Bruce
Kelly
Prater - Team
10 hrs.

Sta. 0.0 Oak Post (Center of Sect 29)
(Page 7.)
B.S. on Sta. 26+29.1

Sta.	Dist	ΔL	ΔR	C.C.	M.C.
6	13+43.0				
				S 89°00'E	
5	13+20	89°30'			
	Vert Δ 27°56' 200.5 +96.1			S 0°30'W	South
4	10+46.8			S 0°30'W	South
3	8+71.2			S 0°30'W	South
2	5+10.2			S 0°30'W	South
1	2+25.7			S 0°30'W	South
0.0					
1/4 Cor. S 28/29	Back Sight on Random West S 89°55'W Sta. 2+08±				

Tuesday Oct. 25, 10
Fog - Cool
Richardson
West
Rice
Bruce
Kelly
Prater-Team
8 hrs

Bearing Trees for 1/8 Cor. 29/28

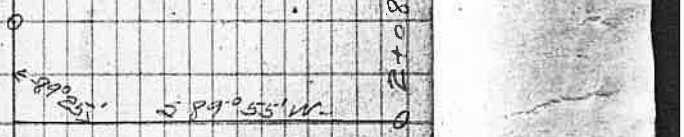
A Black Oak bears S 60°00'W (97°)

A Black Oak bears S 76°00'E (17°)

Sta. 13+43

X in Rock 1/8 Cor. between 29/28

Guarded with Oak Stake directly over cross with pile of rocks around Stake.



Sta.	Dist	∠L	∠R	C.C.	M.C.

We reset 3" Oak Post at Center of Sect 29. by seting up over Sta. 26+40 (Random of P.T., foresight on Sta 26+29.1 P.T. and turning 90°38' L (Bearing N 0°43" W) for 39.5'.

Oct. 25, 10

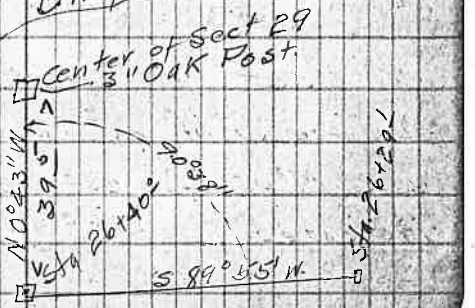
Party on P. 9

2 hrs.

14" Laurel bears N 47°00'E (19')

12" Fir bears S 13°00'W (30')

B.T. for 3" Post

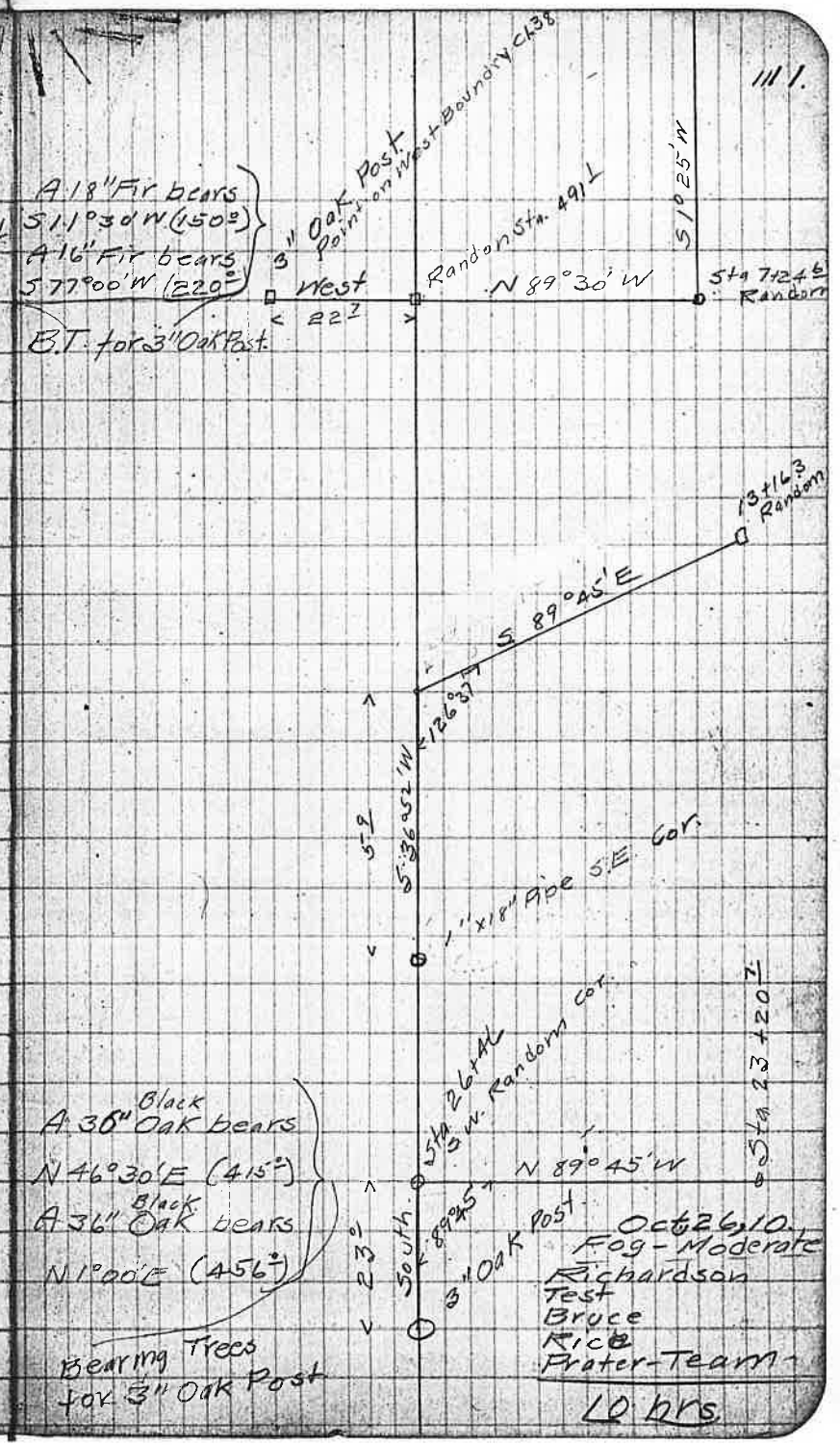


Winiford Tract

We set 3" Oak Post West 22⁷ from Sta 491⁺ from back sight on 724⁶ (B. N89°30'W) plunging and Turning 30' to L.

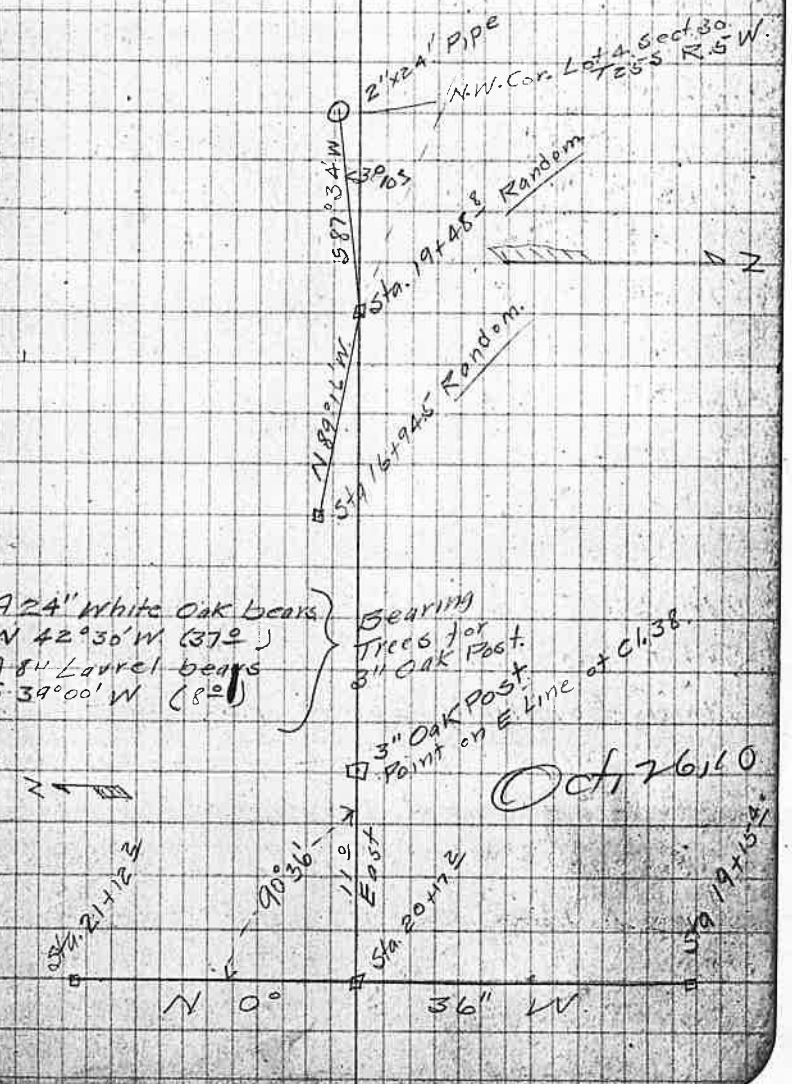
We set 1"x18" Pipe 5⁹ on S36°52'W from Sta. 509° in County Road on South Traverse.

We set True Cor (S.W. Cor 3" Oak Post) by fore sight on Sta. 23+20⁷ and turning Δ R 89°45' for 23°. Bearing Trees as indicated.



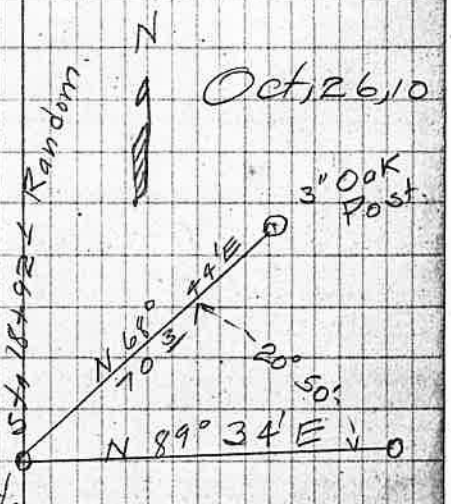
We set 2"x24" Pipe at N.W. Cor. Lot 4 Sect. 30 by a backsight on Sta. 16+94.5 plunging with 3°10' L. for 91.8

We established 3" Oak Post by seting Sta. 20+17.2 on Line between 19+15.4 & 21+12.2, a foresight on 21+12.2 with instrument at 20+17.2 turning 90°36' R. and measuring 11.0. Bearing Trees as indicated.



We set 3" Oak Post by back Sight on Sta 21+ (BN 89°34'E) and turning 20°50' L. for 70 3.

Oct. 26, 10



Bearing Trees for 3" Oak Posy.

A 12" Fir bears S 79°00' E (13')

A 8" Fir bears N 1°00' W. (26 0)

Road A, North of Townsite

Sta.	Dist	ΔL	ΔR	CC	MC.
				N20°58E	N19°E
Δ12+16.6			23°35'		
	68.7			N2°37'W	N4°W
Δ11+47.9			59°20'		
	110.8			N61°57'W	N63°W N64°W
Δ10+37.1		11°33			
	123.5			N50°24'W	N52 30'W
Δ 9+13.6		55°08'			
(⊙ 1+64°)	181.0			N4°44E	N5°20'E
⊙ 7+32.6					N5°20E
	195.0			N4°44'E	N5°20E
Δ 5+37.6		31°11'			
N.E. Cor.	N31°	37°24'			
N.W. Cor.	175.0	85°52'			
S.W. Cor.	148.0	114°01'			
S.E. Cor. Rock.	17.5	89°46'			
	@ Sta 3				N35°40E N36°30E
	180.6			N35°55E	N36°00'E
Δ 3+57.0			16°03'		
	231.8			N19°52E	N19°00E N20°00E
Δ 1+25.2			13°47'		
	125.2			N6°05E	N3°30E N8°00E
Δ 0+0			19°15'		N12°W

Back Sight on ℄ Umpqua St. South (N13°10'W)

Stone Quarry

Oct 27, 10.
Fair - Moderate
Richardson
Bruce
Rice
Kelly
Prater.
10 hrs.

S.A.O. Stone at Int. of Willamette & Sixth.

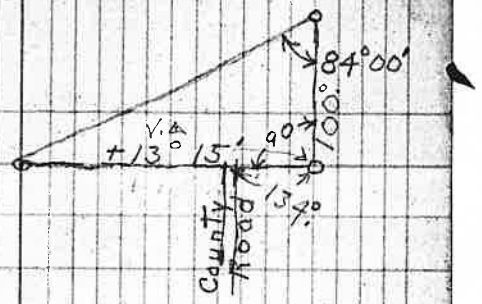
Road F.
North of Townsite

Sta	Dist	ΔL	ΔR	C.C	M.C.
				N52°24'W	N54°00'W
Δ 21+48.4		41°08			
	68.1			N11°16'W	N12°30'W
Δ 20+80.3		45°59'			
	93.0			N34°43'E	N32°30'E
Δ 19+81.0			17°31'		
	64.0			N17°12'E	N15°E
Δ 19+23.3			34°13'		
	112.0			N17°01'W	N19°W
Δ 18+11.3		38°54'			
	70			N21°53'E	N20°E
Δ 17+40.8			25°13'		
	101.4			N3°20'W	N5°W
Rim Rock; Δ 16+39.4			7°04'		
	98.3			N10°24'W	N12°W
Δ 15+41.1			2°25		
	96.6			N12°49'W	N14°30'W
Δ 14+44.5		6°55'			
	75.1			N5°54'W	N8°W
Δ 13+69.1		15°25'			
	103.0			N9°31'E	N7°30'E
Δ 12+66.4		11°27'			
	49.8			N20°58'E	N19°E
Δ 12+16.6			23°35'		

Oct. 27, 10

Road North of Townsite

Sta.	Dist	ΔL	ΔR	CC.	MC.
Δ 31+56.2				N 56° 51' E	
Δ 30+86.1			5° 14'		
	62.5			N 51° 37' E	N 50° 10' E
Δ 30+23.2			22° 07'		
	61.9			N 29° 30' E	N 27° 30' E
Δ 29+62.3			12° 10'		
	97.6			N 17° 20' E	N 15° 10' E
Δ 28+64.7		56° 29'			
	74.6			N 73° 49' E	N 72° E
Δ 27+90.4			27° 21'		
	66.5			N 46° 28' E	N 44° 40' E
Δ 27+23.6			35° 59'		
	68.2			N 10° 29' E	N 8° 40' E
Δ 26+55.4			27° 10'		
	96.0			N 16° 41' W	N 18° 30' W
x in Rock. Δ 25+59.4		8° 27'			
	116.3			N 18° 14' W	N 9° 30' W
Δ 24+43.1		0° 25'			
	118.2			N 7° 49' W	N 9° W
Δ 23+24.9			13° 17'		
	49.1			N 21° 06' W	N 22° 30' W
x in Rock. Δ 22+75.8			31° 18'		
	127.4			N 52° 24' W	N 54° W
21+48.4		41° 08'			



Oct, 27, 10

N. E. 1/4 of N. E. 1/4.
Sec. 17 - T. 25 S. R. 5 W.
South Boundary

Sta	Dist	ΔL	ΔR	C.C.	M.C.
13+18.3					
				East	N89°30E
11+87					
	105.2			East	N89°30E
10+81.8					
	93.3			East	N89°30E
9+88.5					
	139.9			East	N89°30E
8+48.6					
	220.4			East	N89°30E
6+28.2					
	105.5			East	N89°30E
5+22.7					
	272.4			East	N89°40E
2+50.3					
	250.3			East	N89°40E
Sta 0			0°17'		

S.W. Cor. Cl. 37
Back Sight on Sta. 1+45.2 on S89°43'W.

(S.W. Cor. of NE 1/4 of NE 1/4 of S. 17.)

South Line of NE 1/4 of NE 1/4 of S. 17, Twp 25 R. 5.

3" Oak Post.
Ref. Description on P. 22 Book 13

13+18.3 East

Friday - Oct. 28. 10.
Warm - Fair.
Richardson
Gilke
Rice
Bruce
Kelly
Prater - Team.
10 hrs.

S89°43'W Sta 0.

1+45.2

N.E. 1/4 of N.E. 1/4 Sec. 17, T. 25 S., R. 5 W.

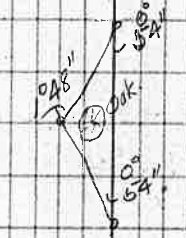
West boundary.

Sta.	Dist.	ΔL	ΔR	CC.	M.C.
13+00.6					
	57.3				
12+59.7					
(33°17' Rt Δ 280°)	234.1			N0°15'W	N50"W.
10+25.6					
	37.4			N0°15'W	N50"W
9+88.2					
	115.2			N0°15'W	N50"W
8+48.0					
	115.2			N0°39'E	North
7+32.8			1°48'		
	115.2			N1°09'W	N.30"W
6+17.6		0°54'			
	103.1			N0°15'W	N.50"W
5+04.5					
	276.7			N0°15'W	N50"W
2+27.8					
	227.8			N0°15'W	N50"W
P.O. SW. Cor. of NE1/4 of NE1/4 of 17			90°02'		
		(S 89°43' W)			

West line of NE1/4 of NE1/4 of S. 17 Twp 25 R5 W.

3" Oak Post.

Ref = description on P. 21 Book K3.



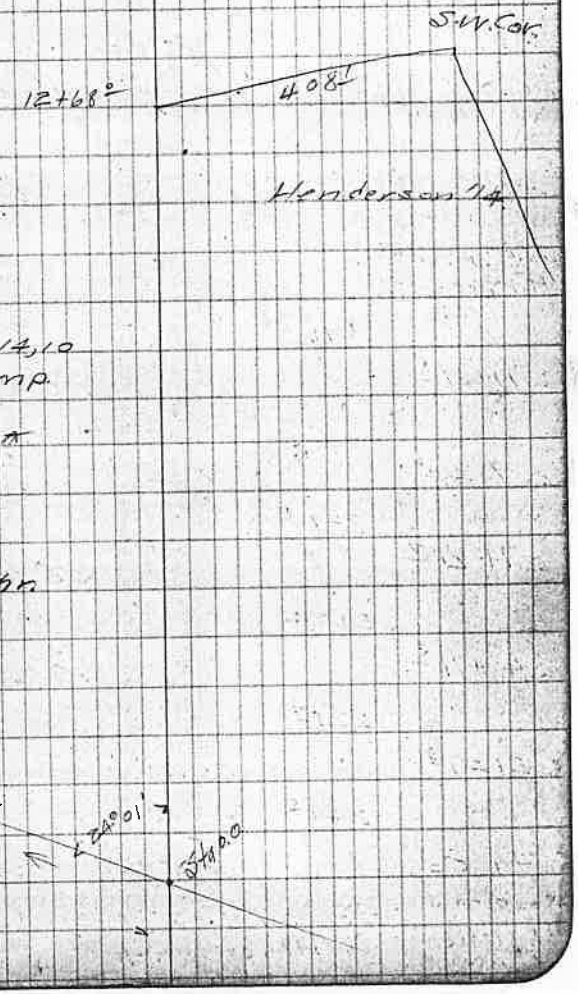
Tie in of Road A to W. Line of NE¼ of NE¼ of Sect 17. T 25 S. R. 5 W.

Sta.	Dist	ΔL.	ΔR.	CC.	MC.
	12+59.2 on West Line of NE¼ of NE¼ of Sect 17.				
25+09.2		63°24		N0°05'W	N5°W
	150.3				
33+59.4		19°48'		N63°19'E	N62°30'E
	57.2				
33+02.2 Vert Δ 12°52' 149.7			14°45'	N83°07'E	N82°10'E
	146.0				
Δ 31+56.2			11°31'	N68°22'E	N71°39'E

Sat, Nov. 5, 10
Fog - cold
Richardson
Rice
Bruce
Kelly
Prater - Team.
4 hrs.
6 hrs Office.

Ditch Traverse of Henderson Forty

Sta.	Dist	ΔL	ΔR	assumed. C.C.	M.C.
S.W. Cor. Henderson 1/4					
	408'			S. 87° 22' W	88° W
12+68			38° 09'		
	88			S. 49° 12' W	50° W
11+80			50° 41'		
	155			S 1° 29' E	30° E
10+25		58° 27'			
	180			S 56° 58' W	58° W
8+45		7° 22'			
	145			S. 64° 20' W	65° W
7+00			14° 51'		
	2+60			S 49° 29' W	50° W
4+40			15° 18'		
	143			S 34° 11' W	35° W
2+96.9		38° 07'			
	1+50			S 72° 18' W	73° W
1+46.9			29° 17'		
	1+46.9			S 43° 01' W	43° W
Sta O.O.			24° 01'		
S.S. on 1' offset of East Line				S 19° W	19° W

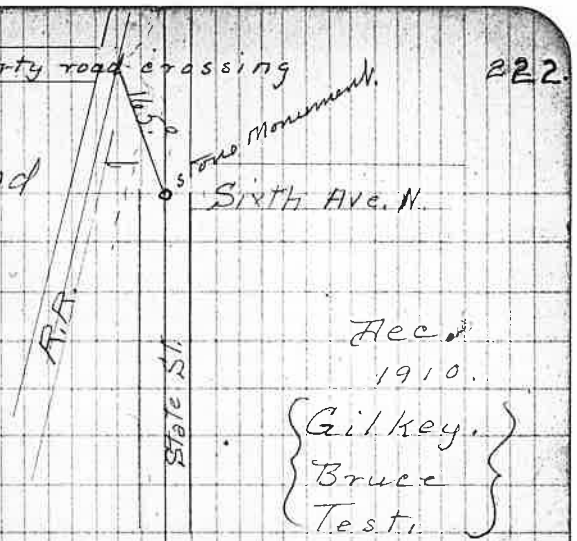


Mon. Nov. 14, 10
Cold - Damp.

North Ditch of Henderson 40'.

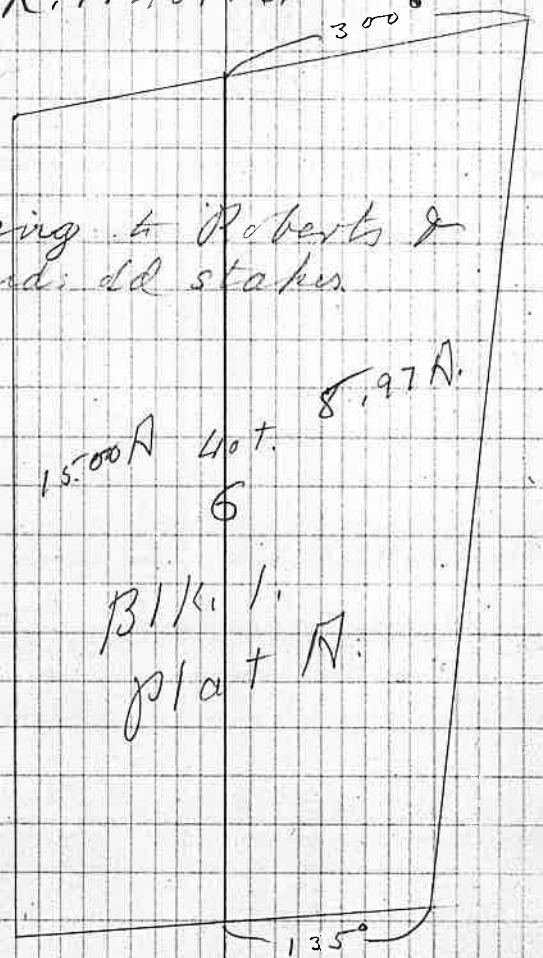
Sta.	Dist	ΔL	ΔR	CC.	MC.

Tie to
County Road
Crossing



Dec.
1910.
{Gilkey.
Bruce
Test.}

Division of Plat N.
Blk. 1. Lot. 6.



Dec. 5 1918.

Tract around Foster House
18 Acres

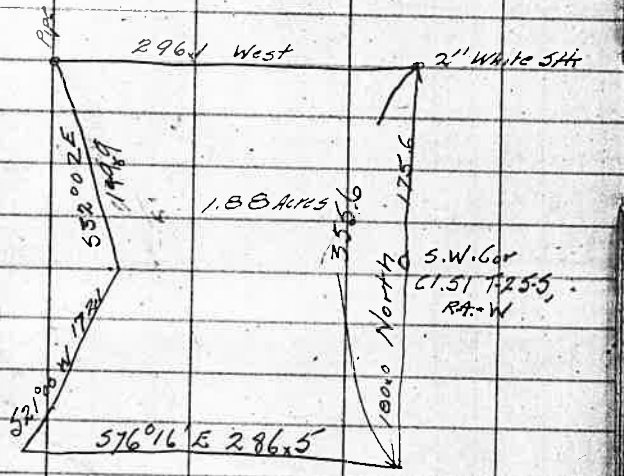
Sta.	Dist.	ΔL	ΔR.	C.C.	M.C.

Worstell.
Bruce.
Cooper.
Cotnett.
McGrath.

13 hours

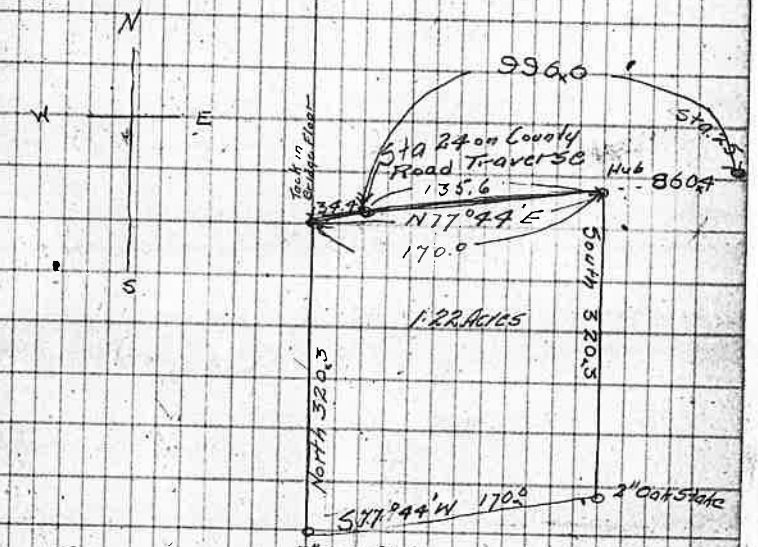
10

Resurvey of Dick Ferris Tract in PLAT "H"



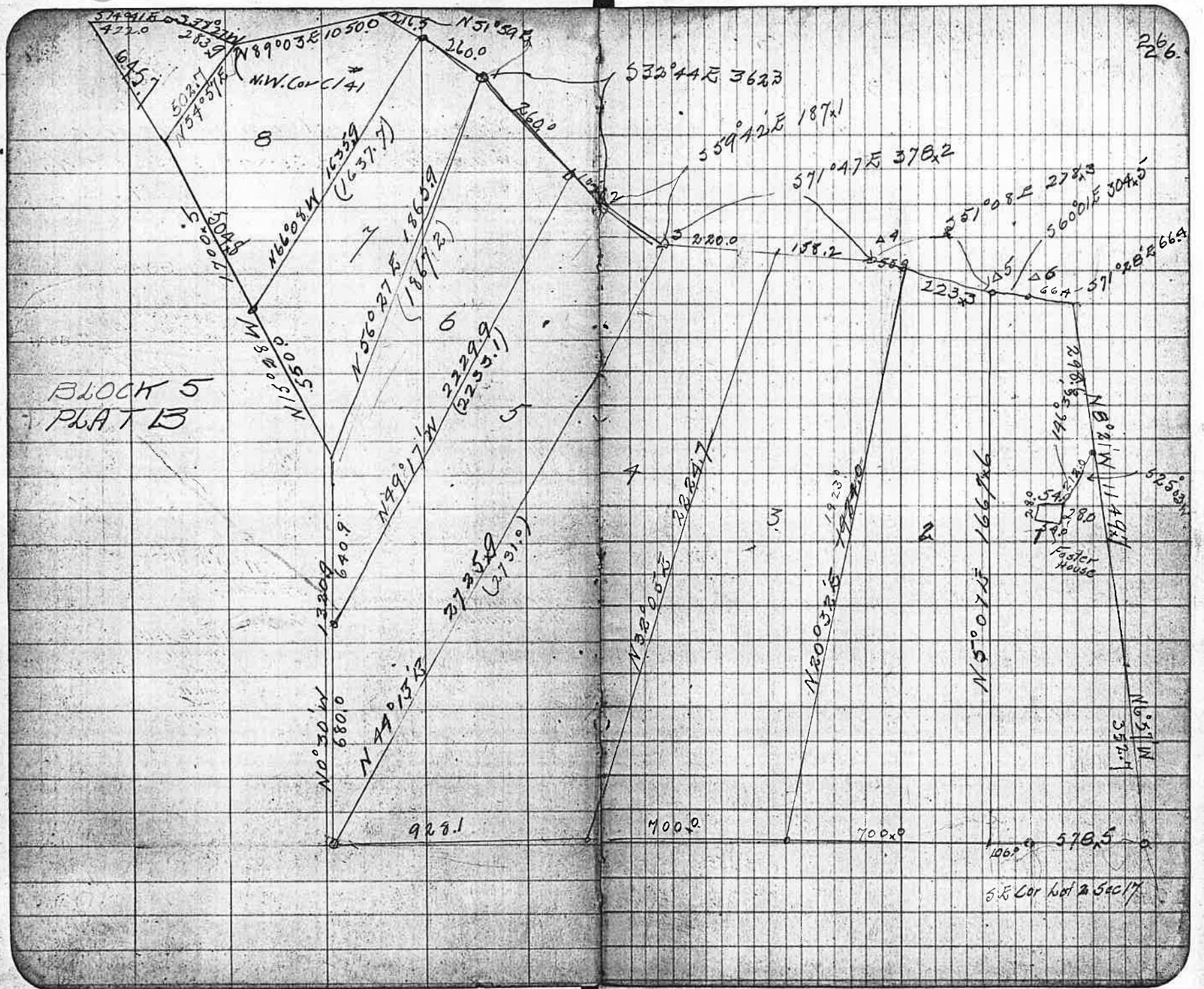
Jan 17, 1910 (1911?)
Worstell
Flesher
Billings
Bruce
Cornett
McGrath
4 hours

School House Lot near Bridge over Colapooia in D.L.C. 49, T.25-S, R.4W.



North and South Boundaries are parallel

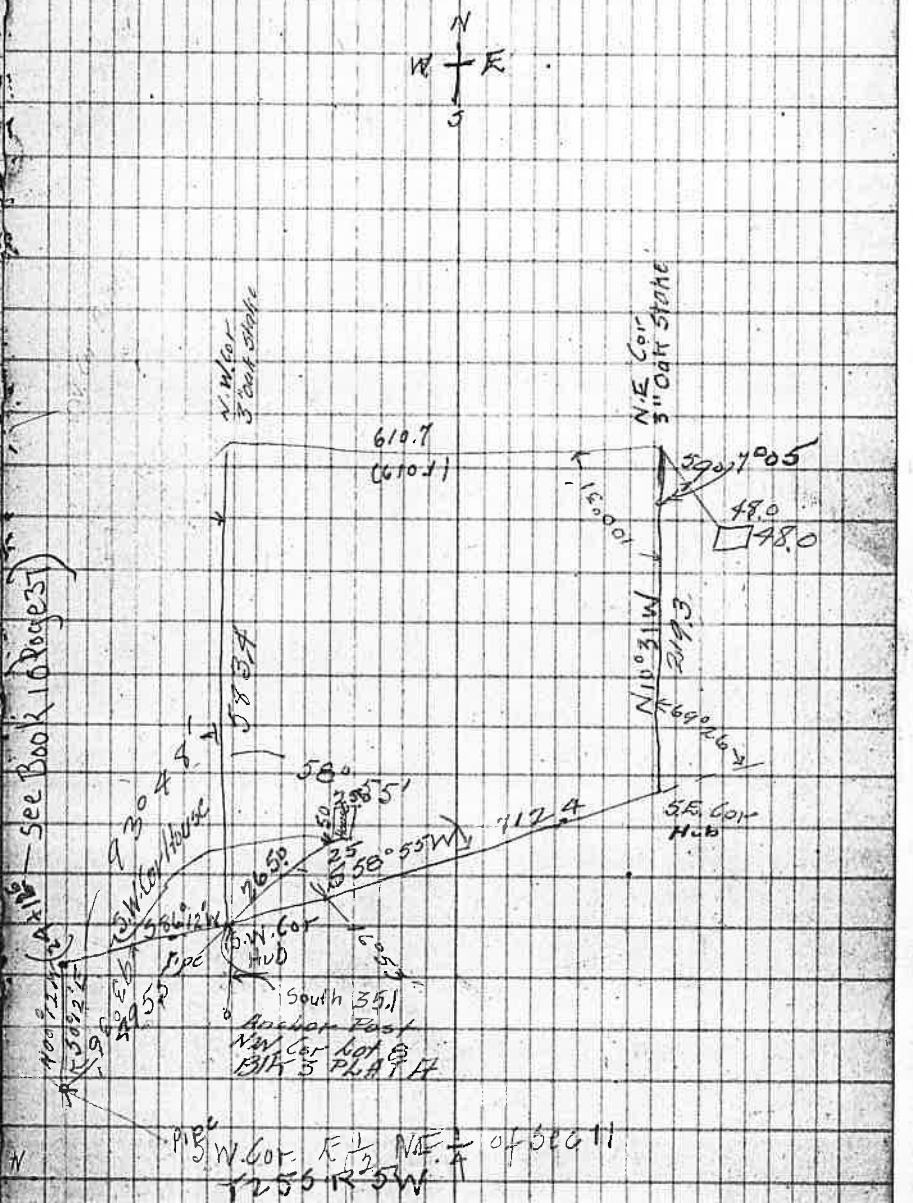
Jan 18, 1911
Worstall
Flesher
Billings
Cornett
Bruce
McGrath
5 hours


BLOCK 5
PLAT B
N89°03E 1050.0
N.W. Cor C141
N51°59E
S32°44E 3623
S59°42E 187x1
S71°47E 378x2
S51°08E 278x3
S60°01E 304x5
S71°28E 664
N66°08W 1633.9
(1637.7)
N36°27E 1863.9
(1867.2)
N49°17W 2229.9
(2233.1)
N15°22W 550.0
N0°30W 680.0
N44°13E
928.1
N32°00E 2284.7
N20°03E 1923.0
N5°01E 1664.6
N8°21W 1147.1
N0°57W 352.1
700.0
700.0
106.0
578.5
SE Cor Lot 2 Sec 17
Foster House
226.

Tract North of Lot 8 Blk 3
PLAT A
J.B. Lucas.

Sta. Dist. ∠ ∠ Aft. C.C. M.C

All changed see page #29

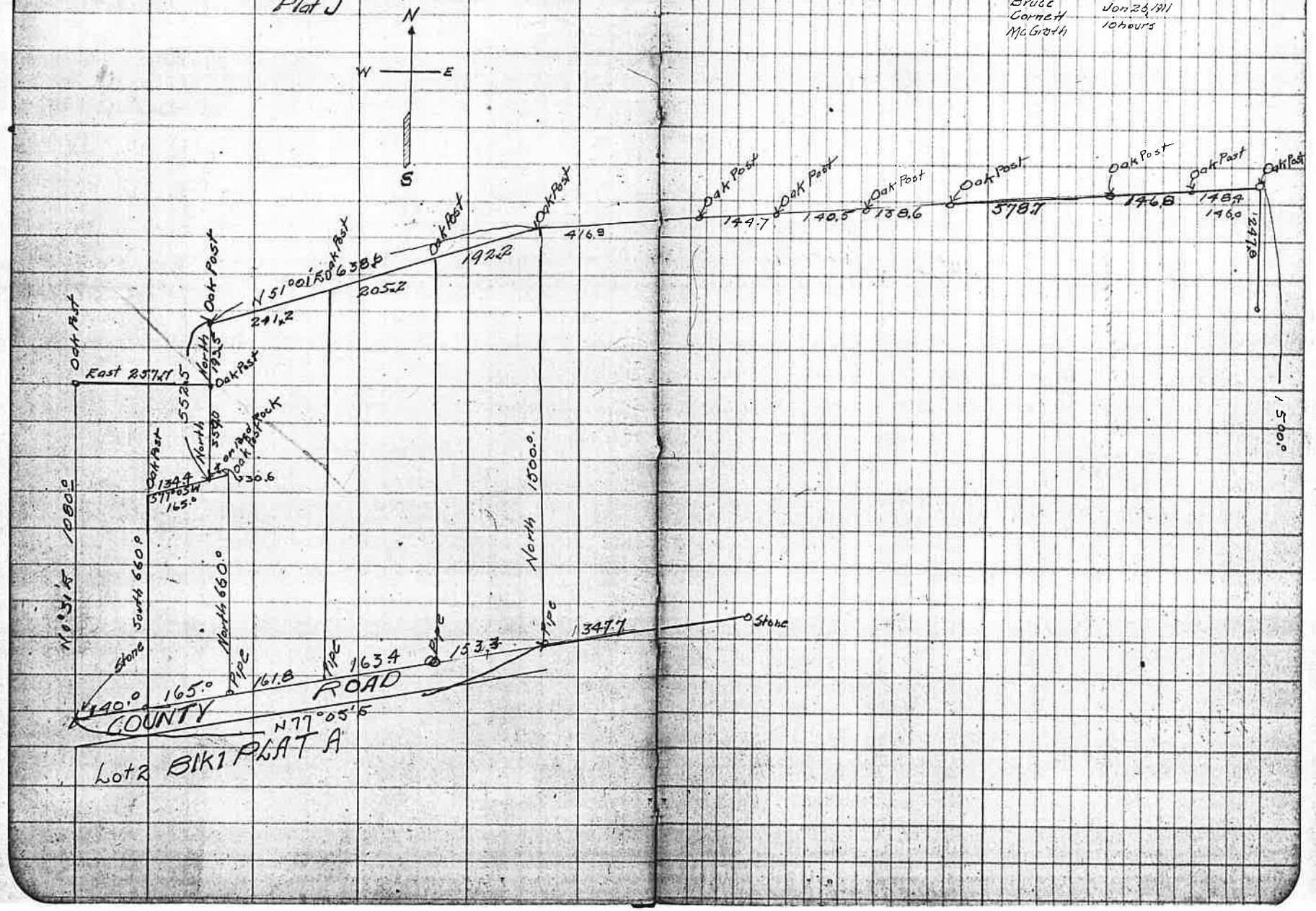


Hill Land North of PLAT A

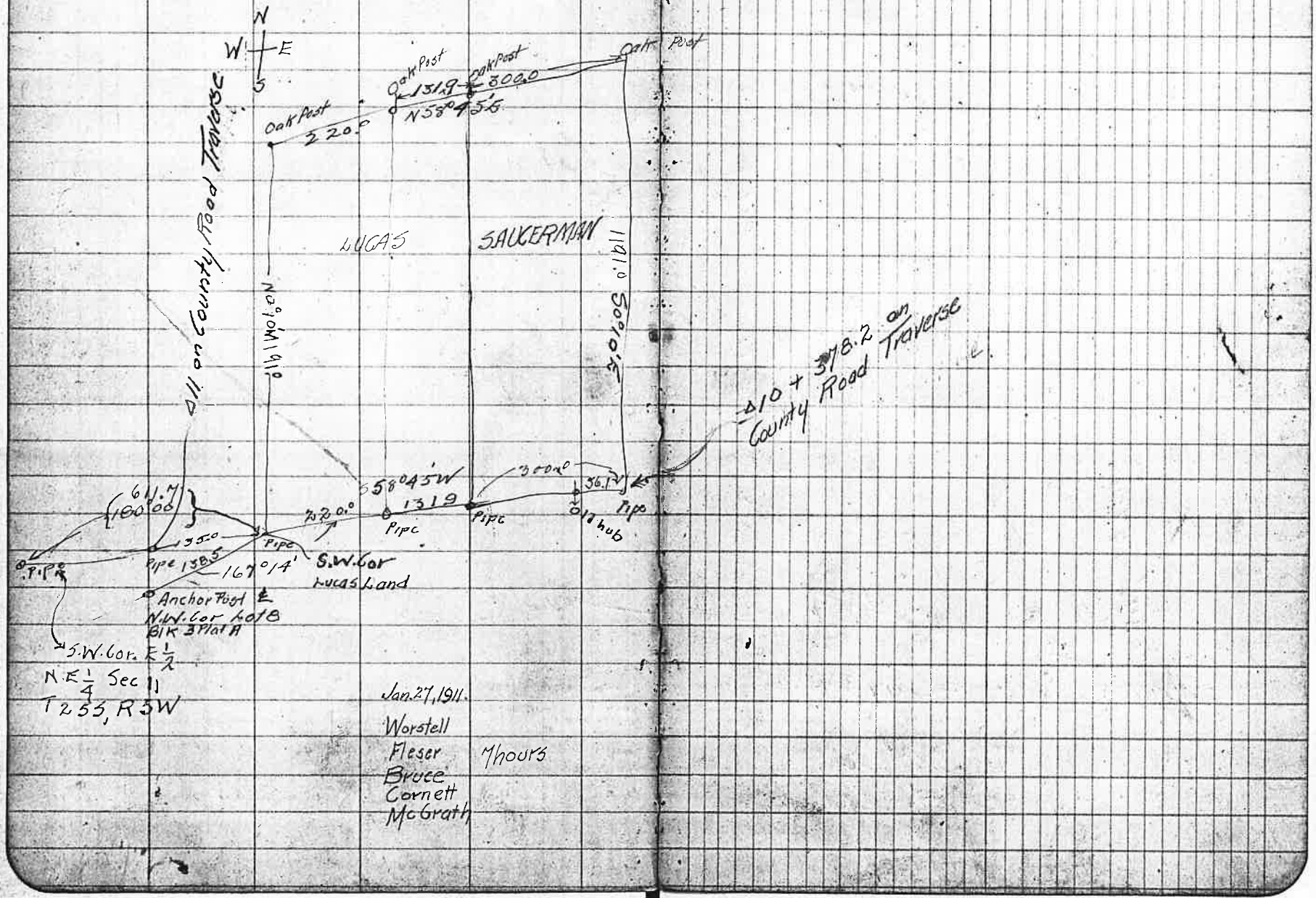
"Plat J"

Worstell
Flesor
Bruce
Corneth
McGrath

Jan 23, 1911
10 hours
Jan 26, 1911
10 hours



Resurvey of Land North of Lot 8, Blk 3 Plat A



Jan. 27, 1911.

Worstell
Fleser
Bruce
Cornett
McGrath

Mhours

Hill Land North of Lot 7, Blk 1 Plat A

See opposite page

Jan 28, 1911
Worstell
Fleser
Bruce
Garner
McGrath
7 hours

East 497.7

610.0

561.0

50°51' W

Stone

Pipe

103°48'

506.1

576°45' W

Anchor
N.E. Cor
Lot 1, Blk 1, Plat A

County Road

30.97

Stone

Pipe

64.42 North

Lot 1, Blk 1, Plat A

Hill Land North of Lot 7, Blk 1 Plat A

Jan 30, 1911
Worstell 4 hours
Fleser
Bruce

N
W
E
S

Oak Post

East 498.2

Oak Post

North 673.3

St. John
7.00 Acres

S 00°51' W 557.9

Stone

Pipe 576°50' W 506.5

COUNTY ROAD

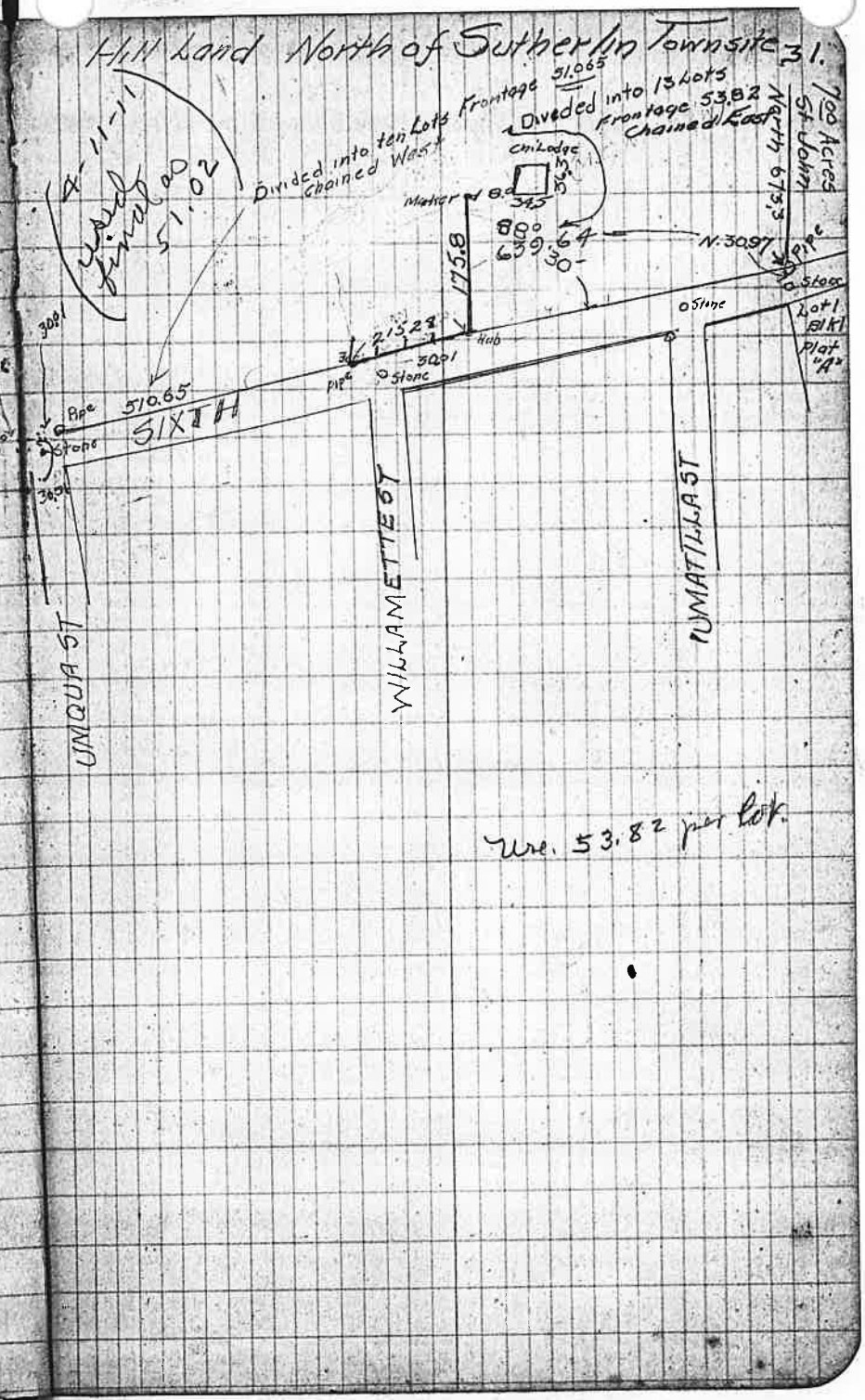
Stone

South 30.97

30.0

Lot 1, Blk 1, Plat A

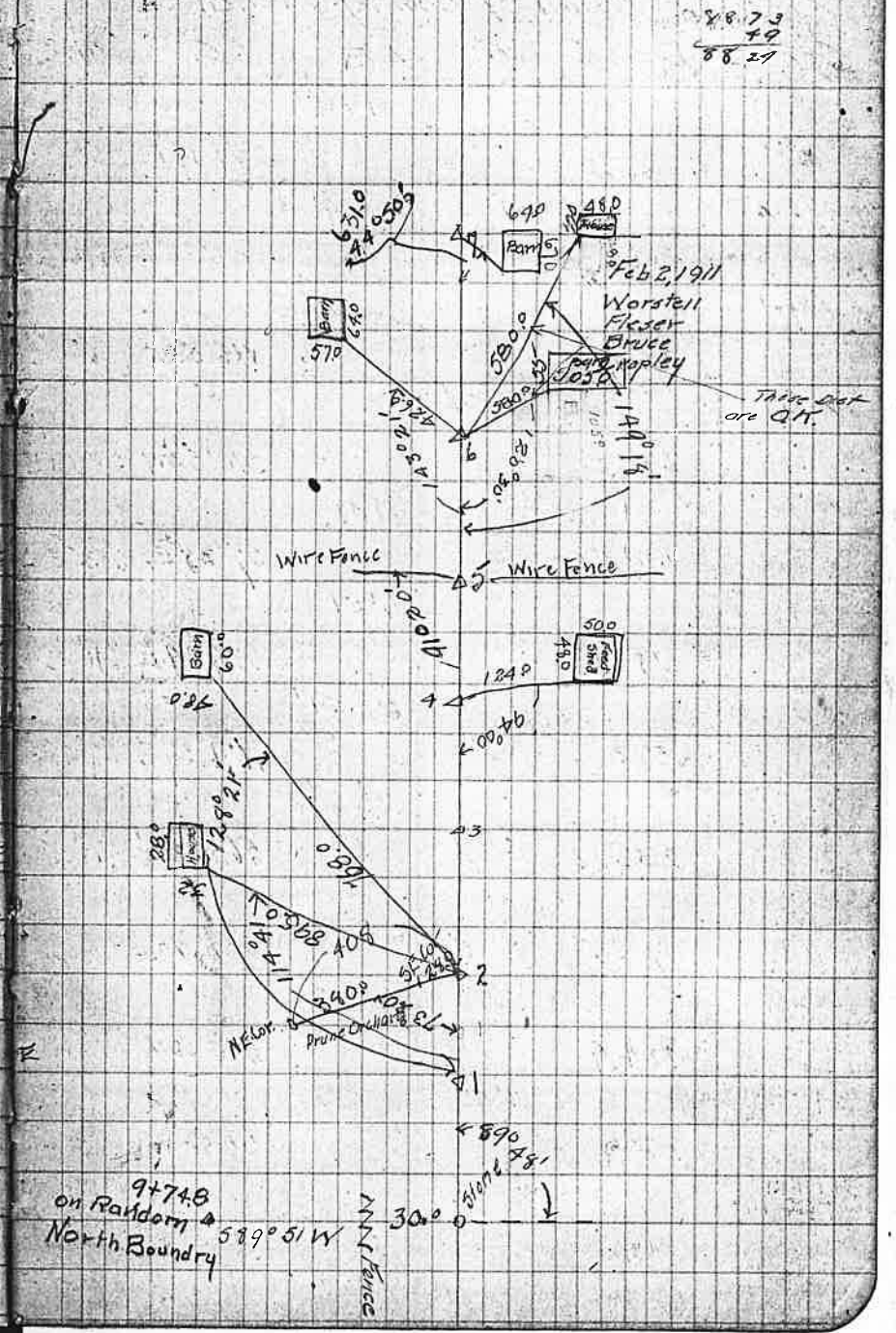
Hill Land North of Sutherlin Townsite 31.



Ave. 53.82 per lot.

Traverse of County Road through Beckley-Goff Land.

Sta	Dist.	Δ L.	Δ R.	C. C.	M. C.
Δ 8 = Pipe in County Road					
	910.7			N 86° 20 E	
Δ 7					
	1679.4			S 61° 51' E	S 62° 45 E
Δ 6			12° 58'		
	411.2			S 74° 49' E	S 75° 40 E
Δ 5			13° 35'		
	335.6			S 88° 24' E	S 89° 10 E
Δ 4		30° 09'			
	332.3			S 58° 15' E	S 59° 10 E
Δ 3			6° 12'		
	604.7			S 64° 27' E	S 65° 15 E
Δ 2			8° 52'		
	260.9			S 73° 19' E	S 74° 15 E
Δ 1			3° 05'		
	578.4			S 76° 24' E	S 77° 20 E
34+44.1		76° 27'			
34+16.5 W Cor Prune Orchard				S 00° 03 W	S 0° 55 E
30+46.0 = N.W. Cor Stone					
0+00 N.W. Cor.			89° 48'		
C1				S 89° 51 W	
9+74.8					



Feb 3, 1911

Traverse of Timber Line in Beckley
Goff Land South of County Road.

2 hrs for J.F. Lucas on Private Road

Worstell, Fleser, Brake, Cropley — 8 hours

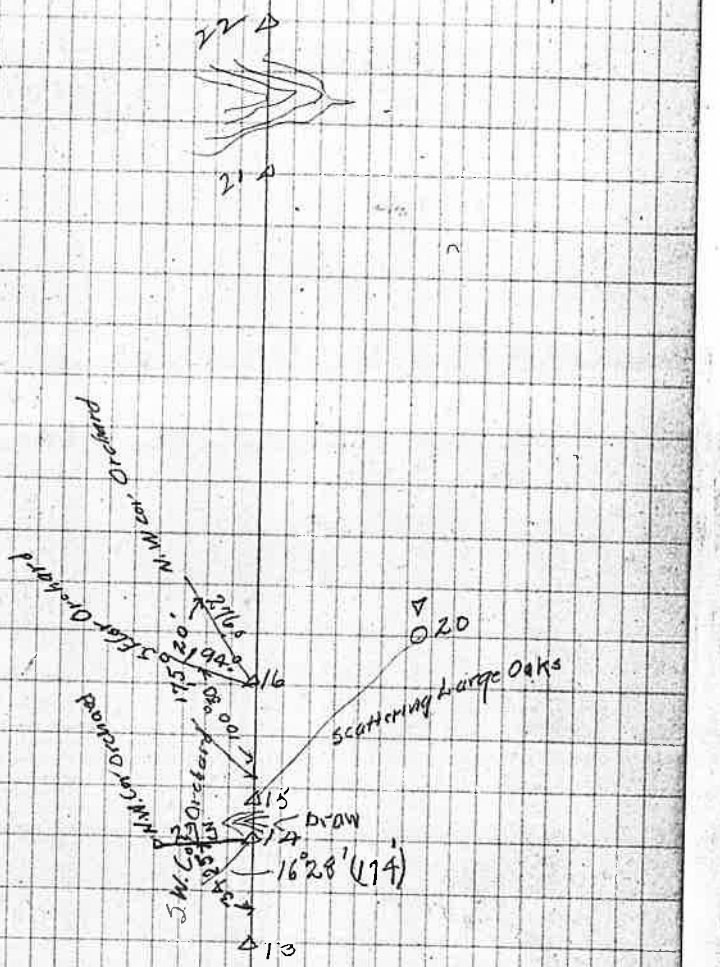
Sta.	Dist.	ΔL	ΔR	C.C.	M.C.
Δ11			44°16'		
	220.5			S49°17'E	S50°10'E
Δ10			41°49'		
	262.3			N88°34'E	N88°00'E
Δ9			23°51'		
	257.1			N65°03'E	N64°10'E
Δ8		125°50'			
	276.2			S10°53'W	S10°20'W
Δ7			18°31'		
	109.9			S7°38'E	S8°35'E
Δ6			31°57'		
	192.2			S39°29'E	S40°20'E
Δ5			68°54'		
	533.6			N71°37'E	N70°35'E
Δ4 In a draw					
	232.1	43°38'		S64°43'E	S65°35'E
Δ3					
	192.5	26°05'		S38°40'E	S39°31'E
Δ2			25°12'		
	434.9			S63°52'E	S64°40'E
Δ1		63°55'			
	253.9			S0°03'W	
34+44.1 0+00 Pipe					

Δ11 2.0' East to N&S Wire Fence

0+00 = 34+44.1

Traverse of Timber Line in Bexhley-Goff Land South of Country Road

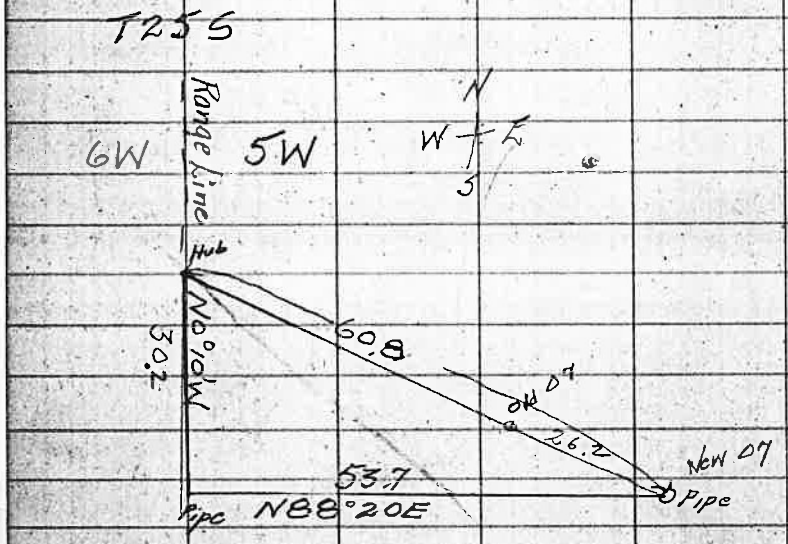
Sta.	Dist.	Δ L	Δ R	C.C.	M.C.
Δ 23			88°20'		
	279.5			N64°27'E	N65°30'E
Δ 22		114°36'			
	256.4			S00°57'E	S1°55'E
Δ 21			112°26'		
	388.2			N66°37'E	N65°35'E
Δ 20		118°27'			
	296.7			S5°04'W	S4°03'W
Δ 19			25°33'		
	222.5			S20°29'E	S21°30'E
Δ 18'			65°18'		
	121.2			S85°47'E	S86°50'E
Δ 17			76°23'		
	140.9			N17°50'E	N17°00'E
Δ 16			20°12'		
	333.2			N2°22'W	N3°20'W
Δ 15		138°40'			
	695.8			S43°42'E	S44°32'E
Δ 14		25°22'			
	498.5			S16°20'E	S19°20'E
Δ 13			32°59'		
	278.1			S51°19'E	S52°12'E
Δ 12		46°18'			
	164.3			S5°01'E	S6°10'E



Traverse of Timber Line in Beckley Golf Land South of County Road

Stg.	Dist	Δ ∠	Δ ℄	C.C.	M.C.

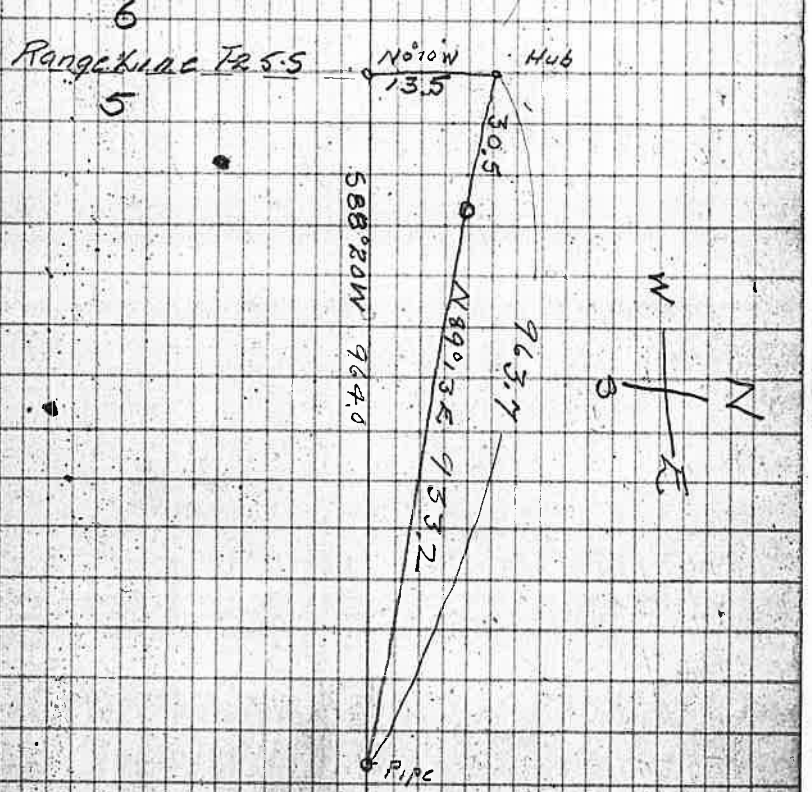
Plat "M"
Beckley Goff land



Plat "M"

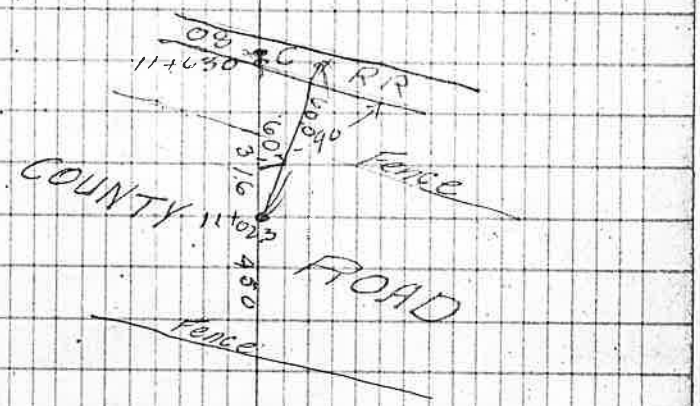
Beckley Goff land

all changed See opposite page.



Line West from N.W. Cor. of N.E¼ of N.E¼ Sec. 17, T-25-S, R 5W

Sta.	Dist	Δ L	Δ R	C. C.	M.C
11+63.0	℄ O&C RR.				
11+07.3	℄ County Road				
10+54.7 Pipe					
7+64.9					
6+11.1					
4+62.1					
4+40.6					
3+76.7					
2+52.9					
1+54.6					
				West	S89°12'W
0+00 = N.W. Cor N.E¼ NE¼ Sec 17 T.25S, R5W		89°45'			
				N0°15'W	
12+59.7					

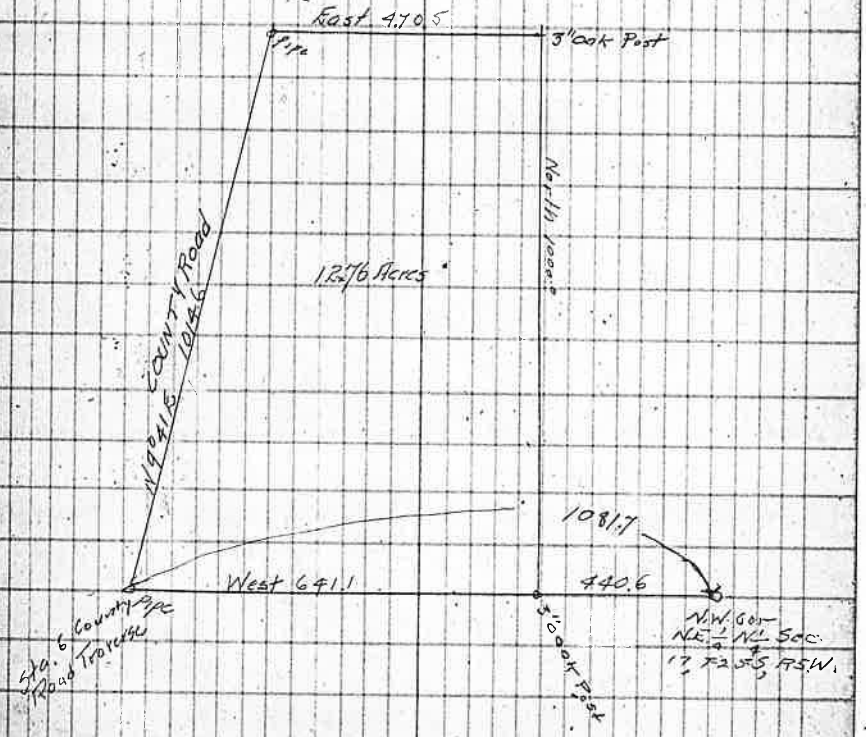


D 3" Oak Stake S.E. Cor. Brick Yard

Tie from N.E. Cor Plat G to 1/4 Cor
Not complete Mar. 15, 1911

Sta.	Dist.	Δh	ΔR.	C.C.	MC.
21+86.5					
20+35.1					
19+59.3					
17+50.1					
14+68.3					
11+30.2					
℄ County Road 1+44.2					
N.E. Cor. 0+00 Plat G					
	124.4				
0+00 (2320) Base line					

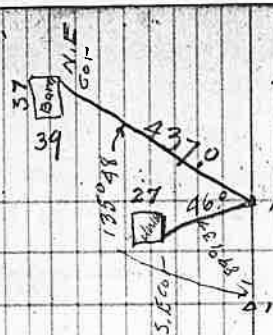
Sketch of Tract of Land around Tile Factory



Timber Line Traverse East of Brick Yard. continued on page 42

Sta.	Dist	Δ L	Δ R.	C. C.	M.C.
Δ 11			51°34		
	217.7			N15°43'W	N11°25'W
Δ 10		63°51			
	254.5			N53°09'E	N52°25'E
Δ 9			129°20'		
	210.3			N71°11'W	N72°00'W
Δ 8			35°03		
	190.8			S73°44'W	S72°55'W
Δ 7		53°29			
	376.2			N51°45'W	N53°30'E
Δ 6		56°00			
	216.8			N3°15'E	N2°25'E
Δ 5		84°02			
	372.4			N87°17'E	N86°20'E
Δ 4			94°34'		
	299.3			N12°43'E	N11°45'E
Δ 3		55°02'			
2+150	362.9			N47°45'E	N46°55'E
Δ 2			26°59'		
	119.2			N20°46'E	N19°55'E
Δ 1		30°15'			
	234.4			N51°01'E	N50°20'E
6+11.1		38°59'			

page 58

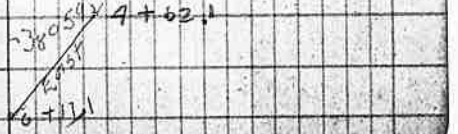


Δ 7 Near Fence

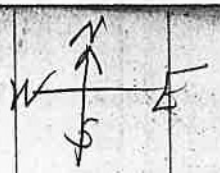
Δ 3

2+150 .65 E to T.L.

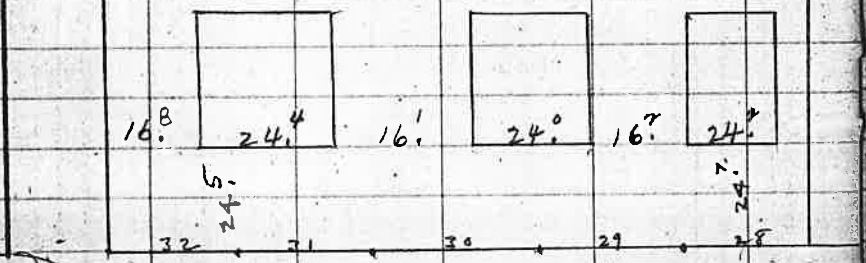
Δ 2



3-7-11.



Blk. 19



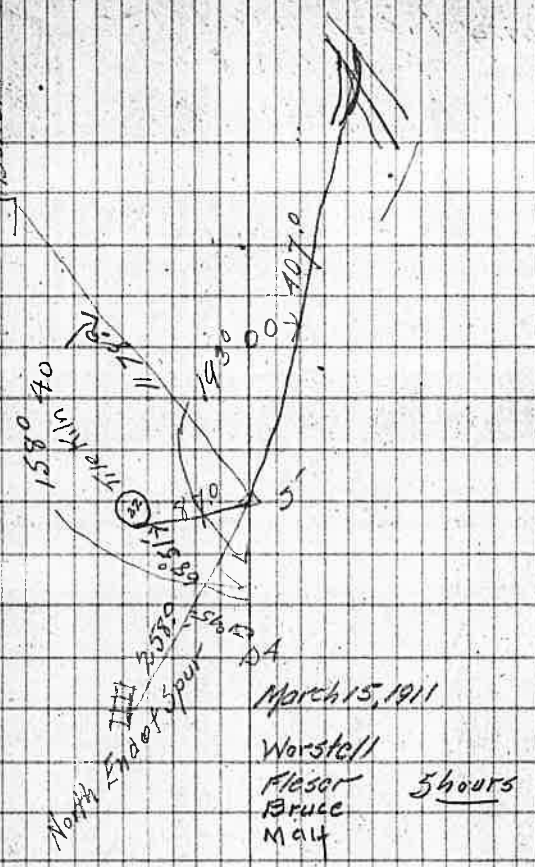
1st ave

California St.

Co. Rd. Traverse West of Brick Yard

continued from page 40

Sta	Dist	ΔL	ΔR	C.C.	M.C.
Δ8		6°50'			
	129.7			S49°15'W	S53°35'E
Δ7		5°28'			
	576.0			S59°43'W	
Δ6 = 10+81.7			00°02'		
	696.5			S59°41W	
Δ5			0001'		
	647.6			S59°40'W	S58°55'W
Δ4			00°03'		
	414.1			S59°37'W	S58°55'W
Δ3			3°56'		
	306.5			S55°41'W	S55°00'W
Δ2			5°24'		
	241.1			S00°17'W	S00°30E
Δ1			3°24'		
	364.6			S3°17'E	S9°00E
0+00 = 1+10 E from N.E. Cor Plat 6			Intersect Δ 8640		
Timber line on North Bdry		Traverse		S89°57'E	
	447.6			N89°57'W	
Δ13		54°21'			
	883.9			N33°36'W	N34°25'W
Δ12		74°28'9			
	357.2			N40°52'E	N40°03'E

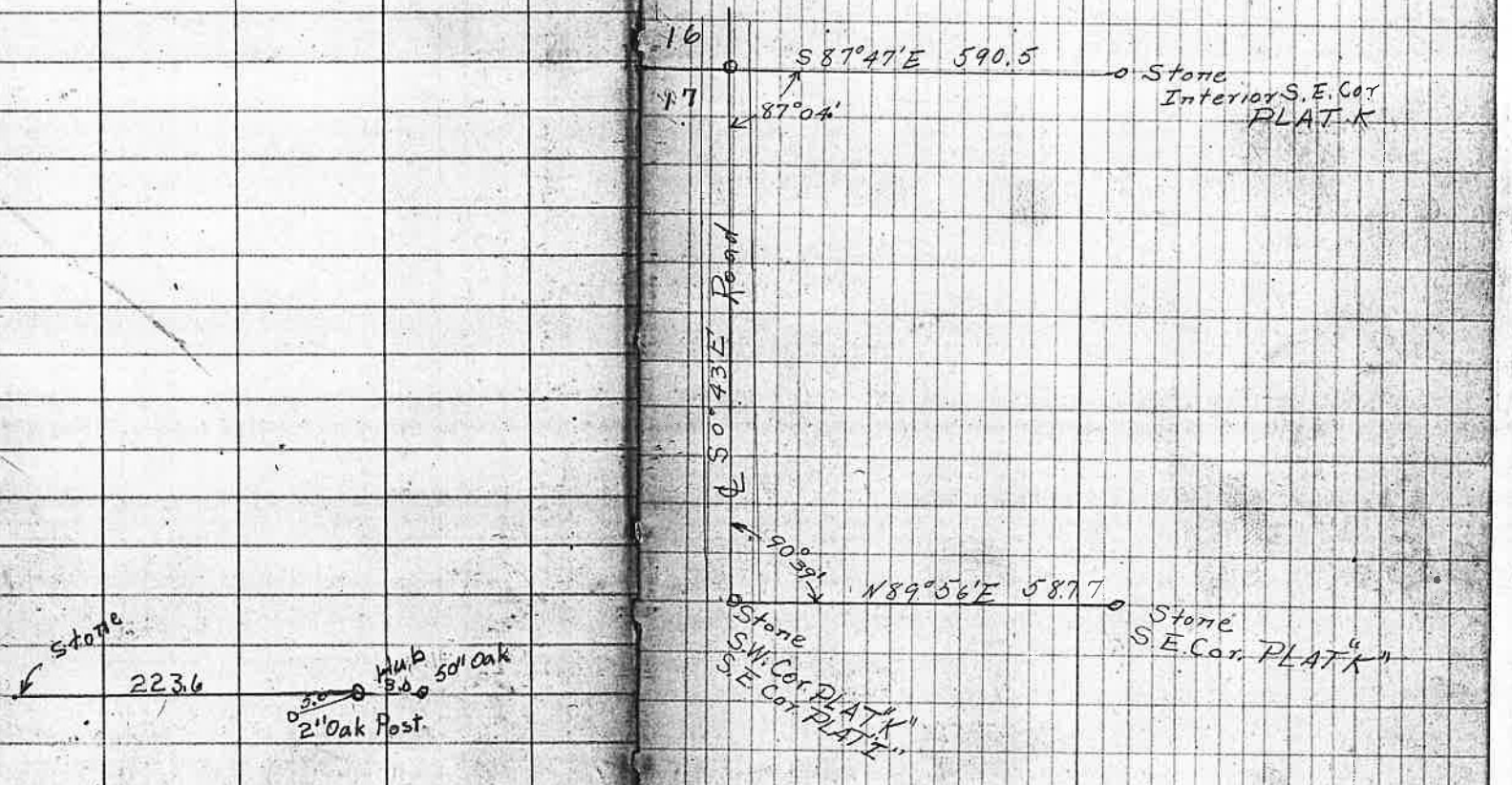


County Road Traverse West of Brick Yard

Sta.	Dist	Δ∠	Δ R.	C.C.	T

Check on Bearing of South Bdy of PLAT K

Fleser – ⅄
Bruce } chain
Waldmark }
Dooley – flag
Smith – team
Mar. 21, 1911.



High Line Ditch Traverse through B5 Lots 55, 56, & 57 PLAT "I"

Flesser-π
Bruce
Waldmark-Acham
Dooley-flag
Smith-team
Mar. 21, 1911

Sta.	Dist.	ΔL	ΔR	C.C.	M.C.
Δ 11			80°35'		
	214.4			N56°23'W	N56°45'W
Δ 10		27°37'			
	76.0			N28°46'W	N29°10'W
Δ 9		3°08'			
	221.9			N25°38'W	N26°00'W
W. End flume Δ 8			89°12'		
	240.2			S65°10'W	S65°00'W
E. end flume Δ 7			52°46'		
	248.2			S12°24'W	S12°05'W
Δ 6		45°08'			
	116.7			S57°32'W	S57°20'W
Δ 5			14°41'		
	125.0			S42°51'W	S42°35'W
Δ 4		26°09'			
	84.6			S69°00'W	S69°45'W
Δ 3			49°55'		
	181.3			S19°05'W	S19°35'W
Δ 2		8°13'			
	285.7			S27°18'W	S27°04'W
Δ 1			5°52'		
	241.0			S21°26'W	S20°05'W
0+00			112°21'		
	817.6			N89°05'E	N89°00'E
℄ Road N.E. Cor. L57, B5					

Sta	Dist	ΔL	ΔR	C.C.	M.C
℄ Road N.E. Cor. L. 57	13.5				
	525.0			N89°04E	
Δ15			115°38		
	387.4			N26° 34W	N27°00 W
Δ14		11°18'			
	172.8			N15°16'W	N15°48' W
Δ13			5°05'		
	143.1			N20°21'W	N20°45' W
Δ12		44°33'			
	132.5			N24°12'E	N24°00

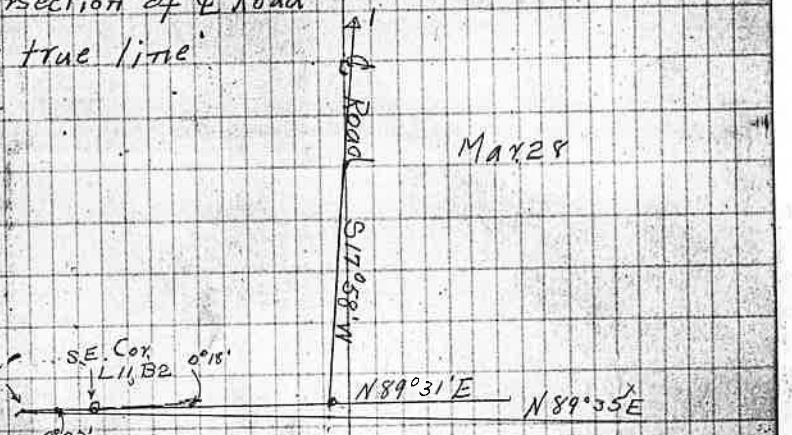
Timber Road South from Δ in South B'dy. of L. 16, B 1, PLAT K

47.

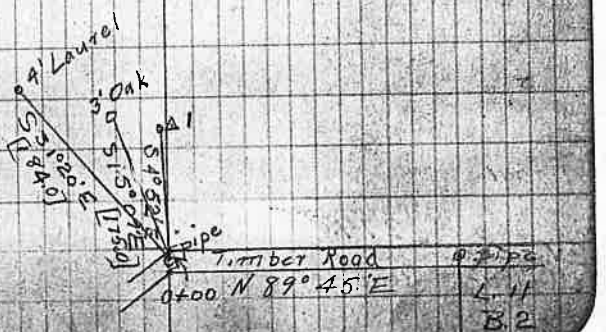
Flesey - ✕
Bruce
Waldmark
Dooley - flag
Smith - team.
Mar. 22. 1911

Intersection of ℄ Road with true line

Mar 28



Sta.	Dist.	ΔL	ΔR	C.C	M.C
				S 89° 35 W	S 89° 20' W
Δ2 = Sta. 21+13.3			71° 37'		
	784.1			S 17° 58' W	S 17° 50' W
Δ1			22° 50'		
	565.1			S 4° 52' E	S 4° 50' E
0+00			85° 23'		
				N 89° 45 E	N 89° 40 E
N.E Cor. L 11, B2,					

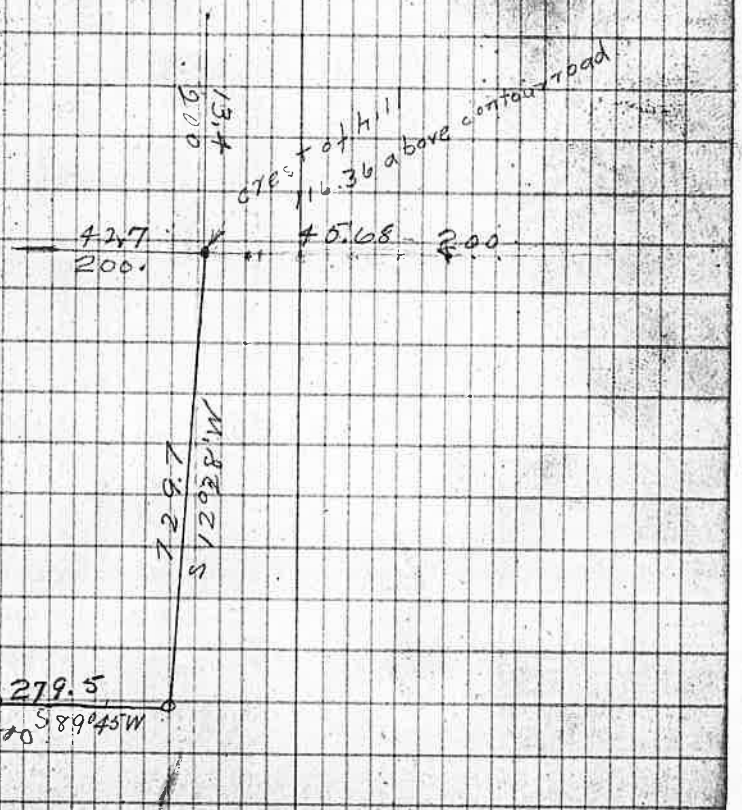


Timber Line South of L 16, Bl, PLAT "K"

Sta	Dist.	ΔL	ΔR	C.C.	M.C.

Topography of hill South of L. 16 B1, PLAT K 49.

Flesor - ⊼
Bruce
Waldmark } chain
Dooley - flag
Smith - team.
Mar. 22, 1911



Hub
275.5 W of
0+00

77° 17'

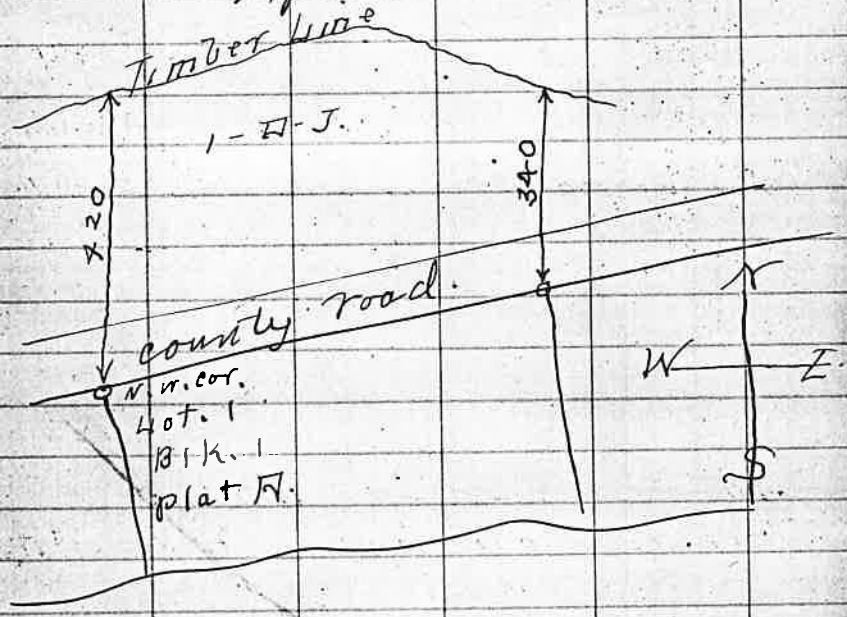
S 12° 28' W

S. 89° 45' W

Showing Timber location in.

Lot 1 Blk. D - plat J.

April 1 - 1911.



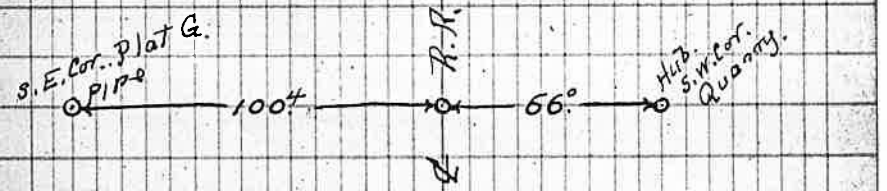
50.

S. E. Cor. Plat G.

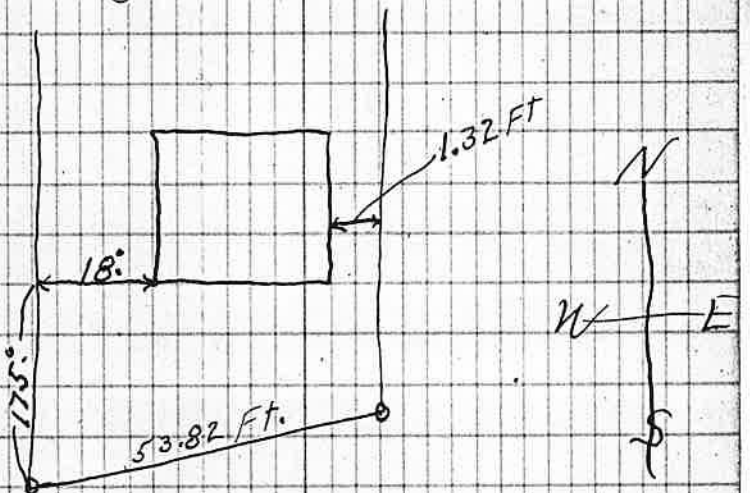
Tie to Dec. 1910.

R. R. & S. W. Cor.

Cooper Stone Quarry



Location of "Chi. Lodge" Building on Lot Blk. C. Plat J.



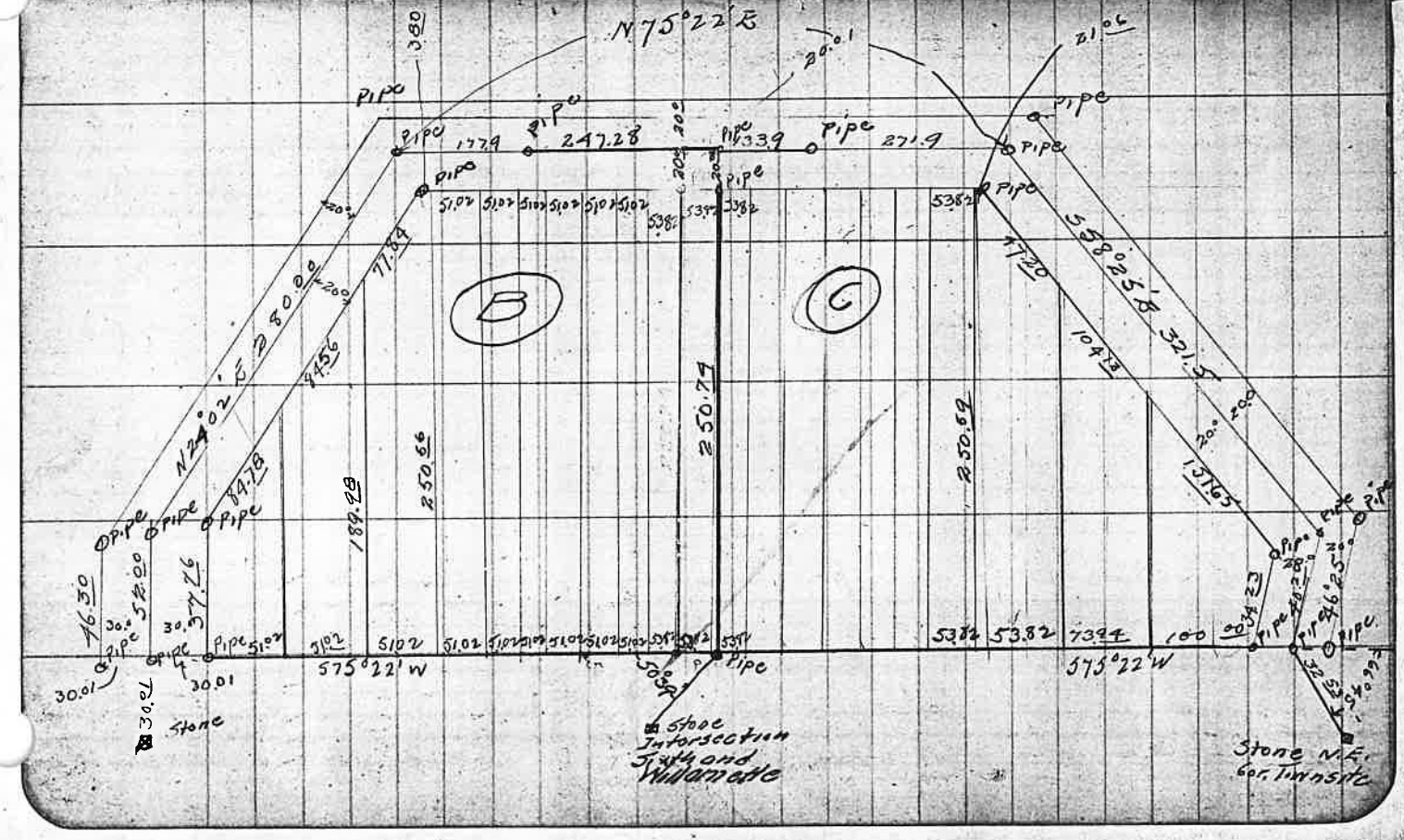
North of Townsite

Sta.	Dist	Δ L	Δ R.	C. C.	M. C.

52.

Worstell
Fleser
Cornett
Smith (Dirty)
15 hours

Sketch of Blocks B & C
PLAT J
Scale None



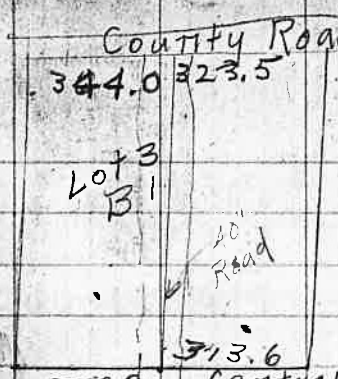
53.

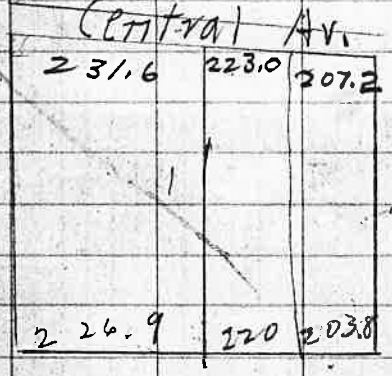
County Road Lot Divisions

in

PLAT "A"

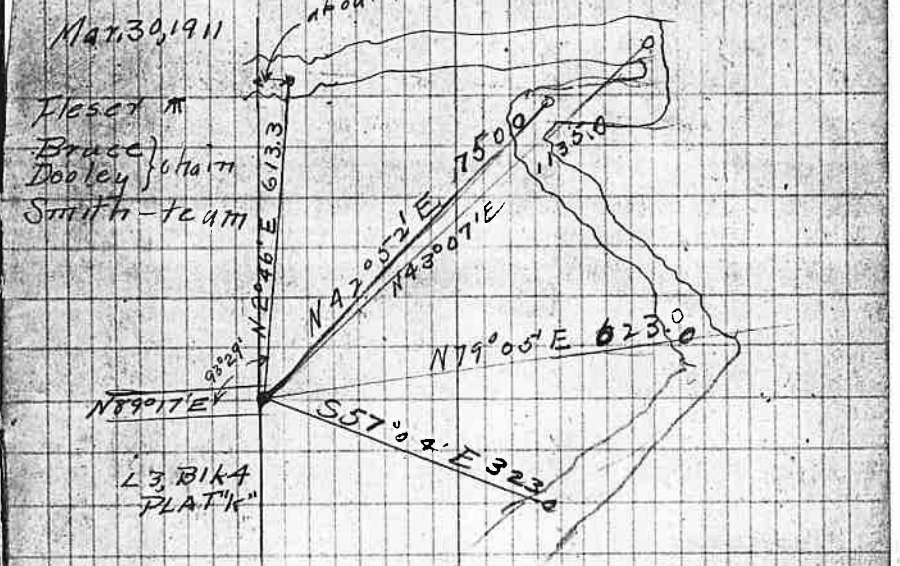
Mar. 29, 1911





High Line Ditch West of Noah
Rose's Place
May 30, 1911

Present
Bruce } Chain
Dooley }
Smith – Team

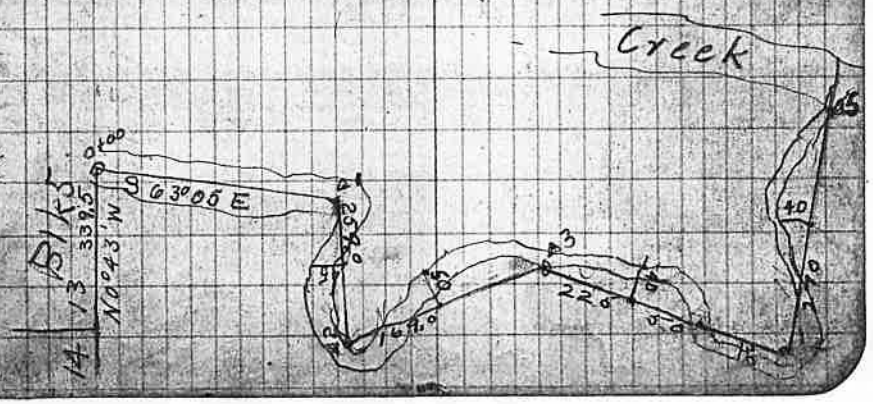


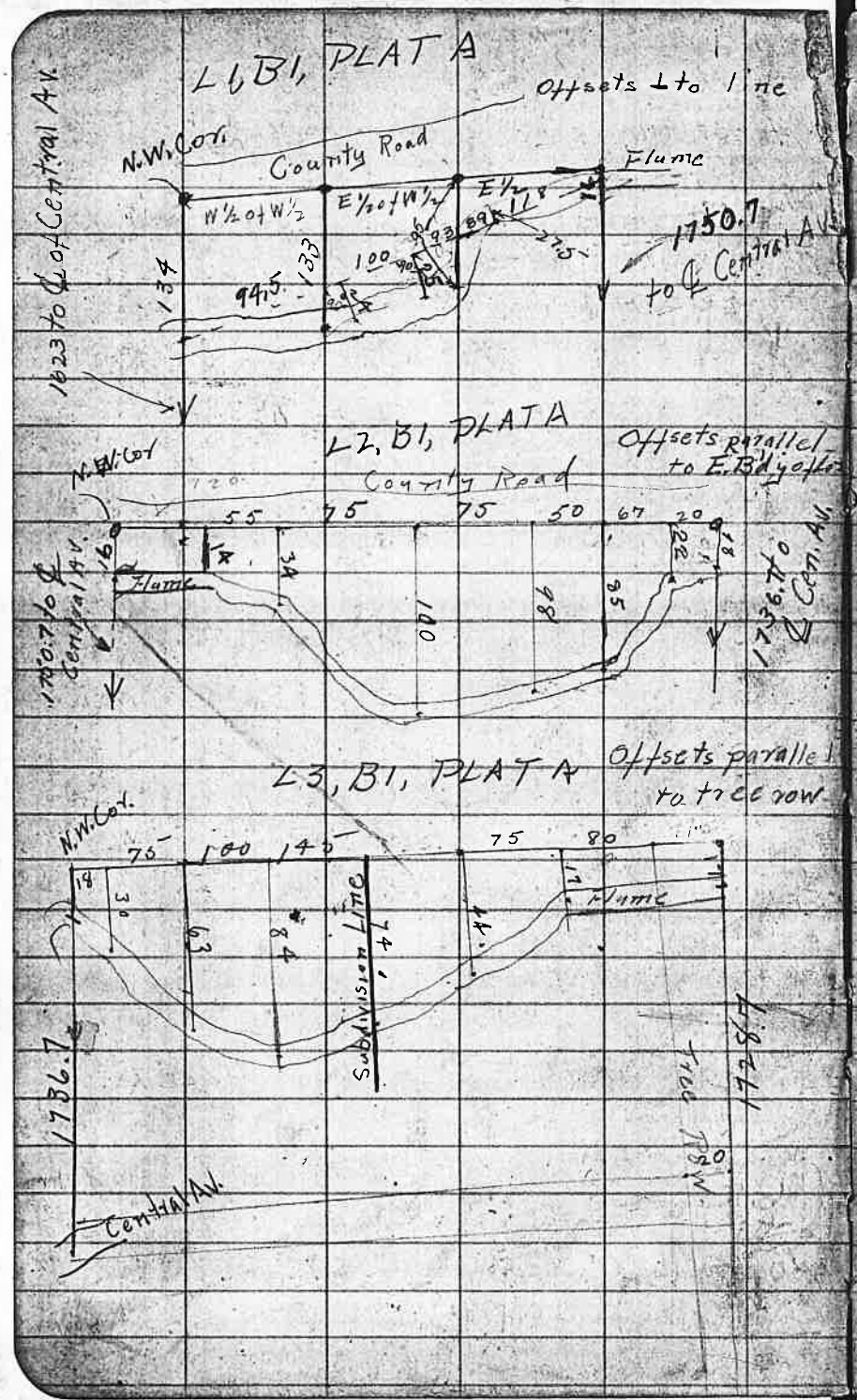
Sta.	Dist.	ΔL	ΔR	C.C.	M.C.

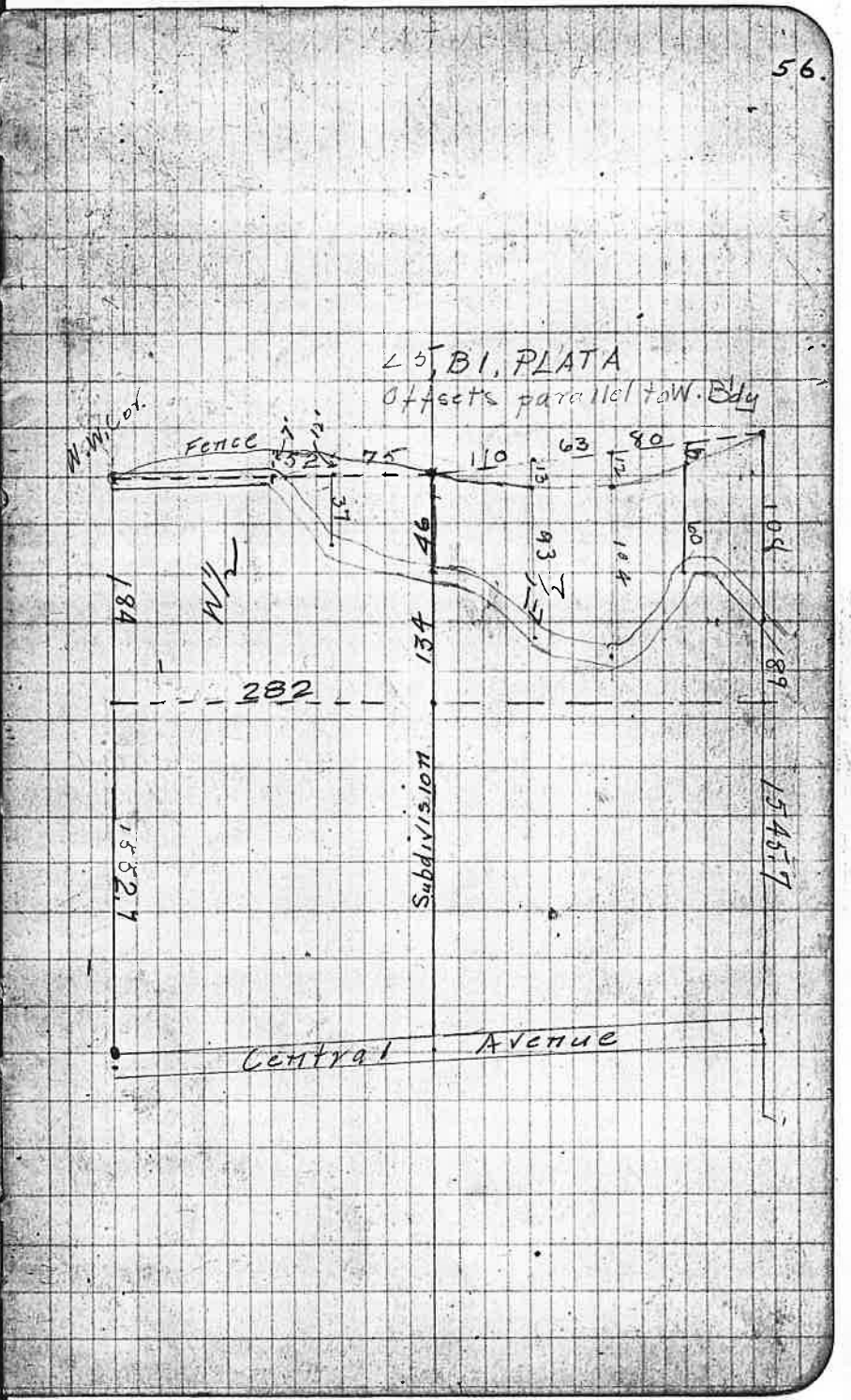
High Line Ditch Traverse thru'
(5) Blk 4, PLAT "K"

	570.8			N43°48'E	N44°00 E
Δ4		67°07'			
	725.7			S69°05'E	S68° 55E
Δ3			62°51'		
	318.8			N48°04E	N48°21 E
Δ2		128°51'			
	555.8			S3°05'E	S2°55 E
Δ1			60°30'		
	448.9			S63°05E	S63°2 E
0+00			117°38'		
	339.5			N0°43'W	

S.E. Cor L13 Blk 5, PLAT "I"

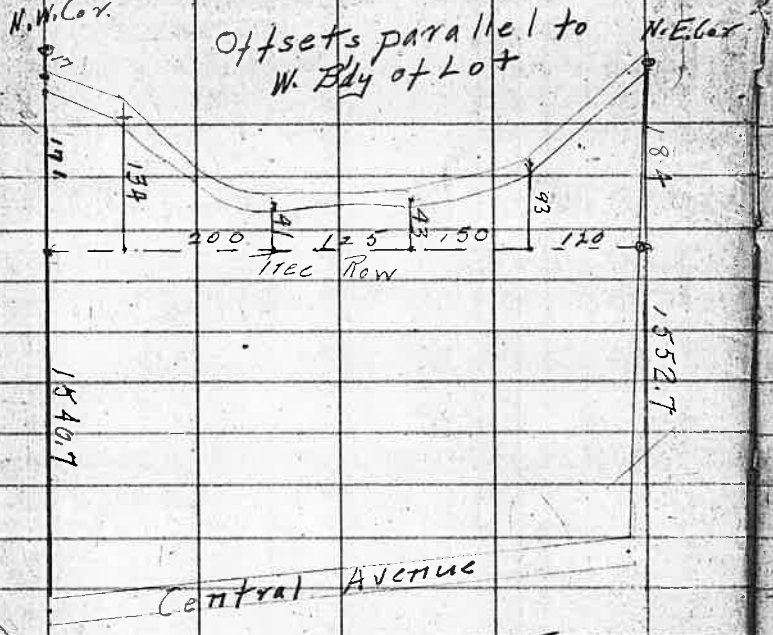



L 6, B 1, PLAT A
Offsets ⊥ to line
N.W. Cor.
County Road
Flume
W½ of W½
E½ of W½
E½ of E½
1623.7 ℄ of Central Av.
1750.7 to ℄ Central Av.
L 2, B 1, PLAT A
Offsets parallel to E. Bdy of
N.W. Cor.
County Road
Flume
Central Av.
L 3, B 1, PLAT A
Offsets parallel to tree row
N.W. Cor.
Flume
Subdivision Line
Tree
Central Av.

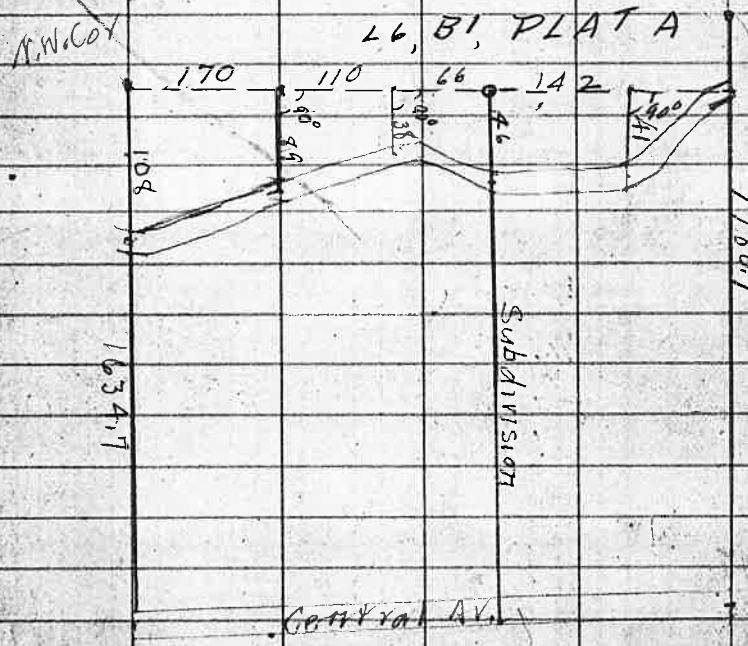

L 5, B 1, PLAT A
Offsets parallel to W. Bdy
N.W. Cor.
Fence
282
Subdivision
Central Avenue

L 4, B1, PLAT A

Offsets parallel to W. Bdy of Lot

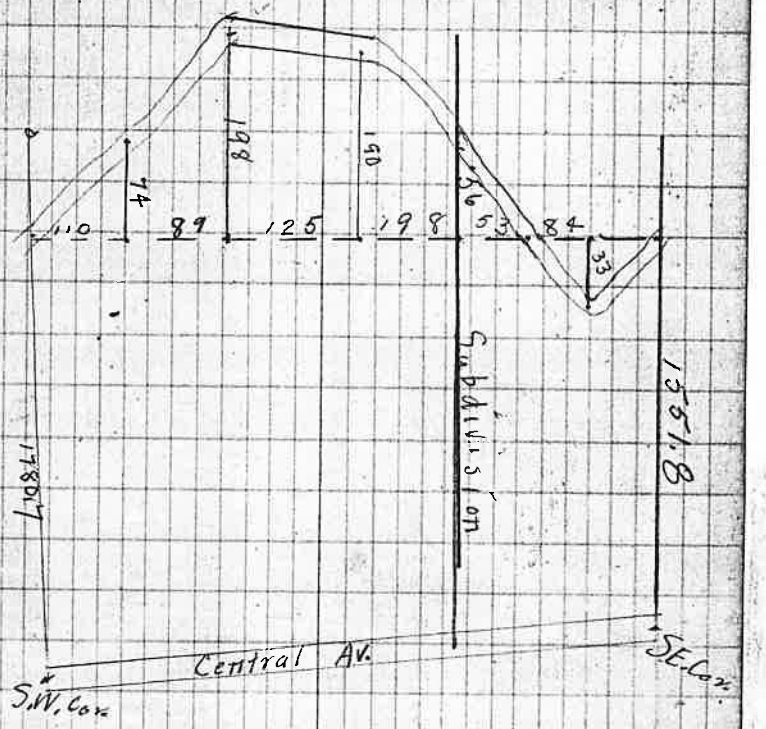


L 6, B1, PLAT A

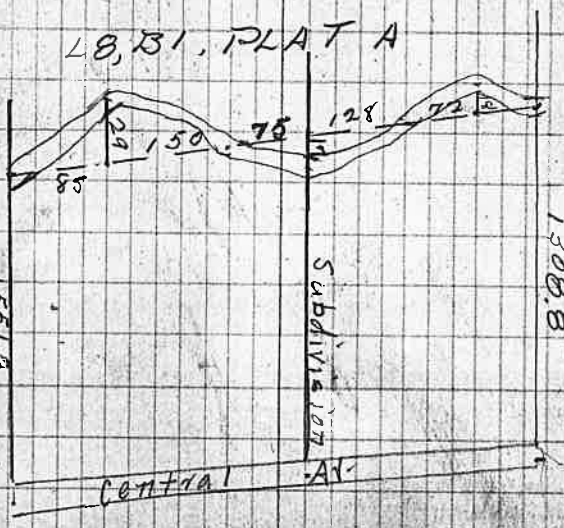


L 7, B1, PLAT A

Offsets parallel to E. Bdy of Lot



L 8, B1, PLAT A

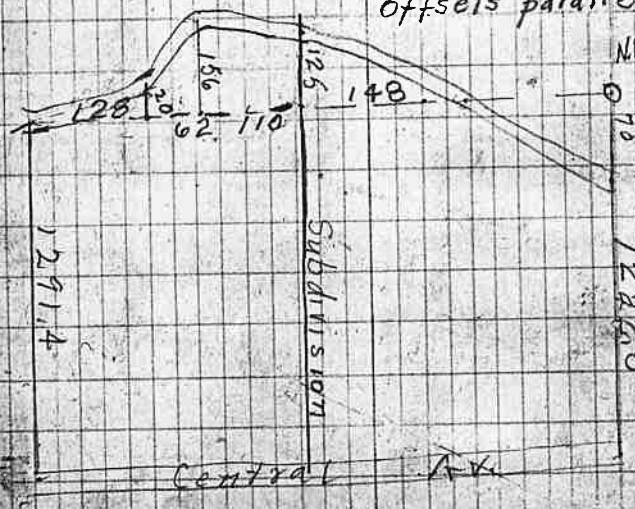


L 9, B 1 PLATA
Offsets parallel to Lot Line

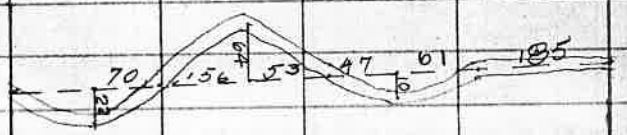
E ½ L 11, B 1, PLATA

Lot 10 + W½ L 11, B 1, PLATA
Offsets parallel to W. Bdy of L 10

L 12, B 1 PLATA
Offsets parallel to Lot Line



L 13, B 1, PLAT A
Offsets parallel to Lot Line



1222.0

1238.4

Central Av.

L 14, B 1, PLAT A

1238.4

1251.4

Central Av.

59.

Remainder of Lot 13
under ditch.

1251.4

Norton's Subdivision
of L. 13.

1308.4

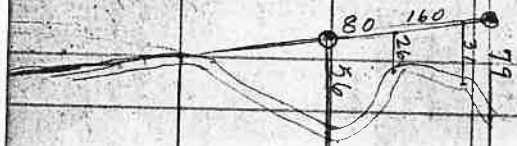
268.0

Central Av.

L 6, B3, PLAT D

Offsets parallel to E. Bdy. of Lot

N.E. Cor.



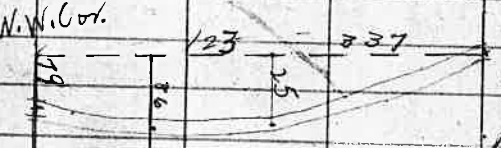
5.40 A.

E 11.74 ℄

1221

Lot 8, B3, PLAT D

N.W. Cor.



Offsets parallel to E. Bdy of Lot

1221

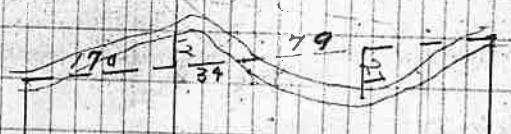
Subdivision

1181

L 10, B3, PLAT D

Offsets parallel to E. Bdy

60.

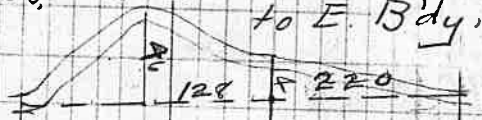


1811

1176

L 12, B3, PLAT D

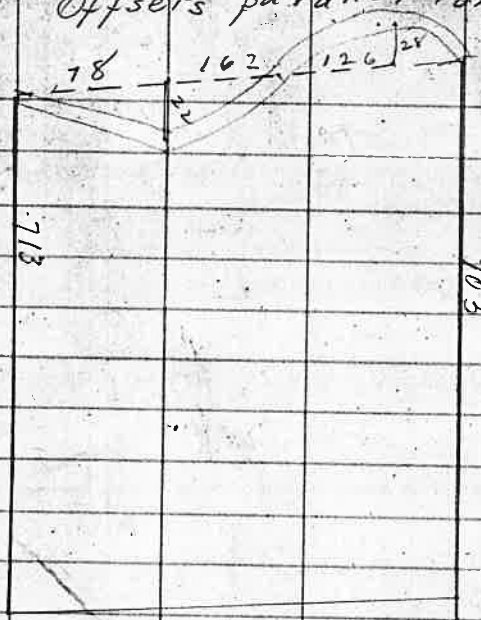
Offsets parallel to E. Bdy.



Subdivision

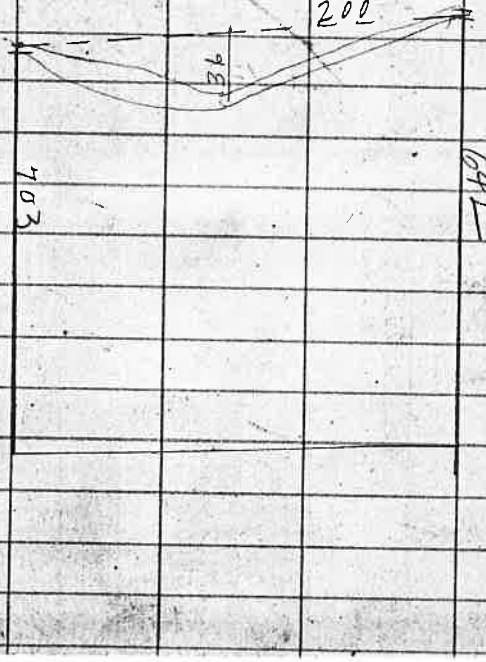
713

L 14, B3 PLAT D
Offsets parallel to Lot line

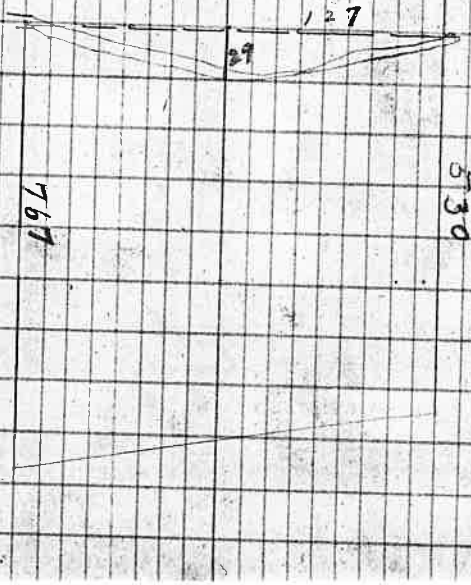


L 18, B3, PLAT D
Offsets parallel to Lot Line 61.

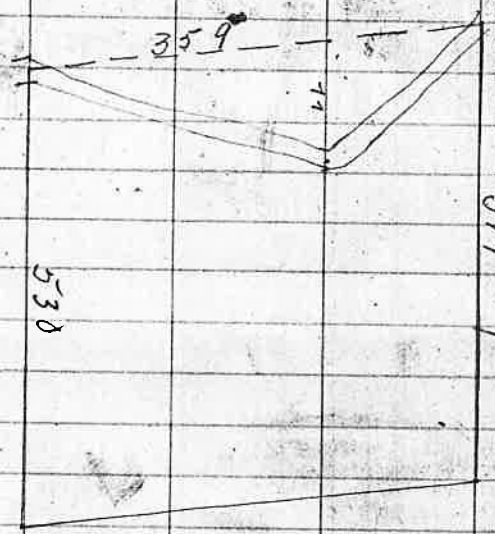
L 16, B3 PLAT D
Offsets parallel to Lot line



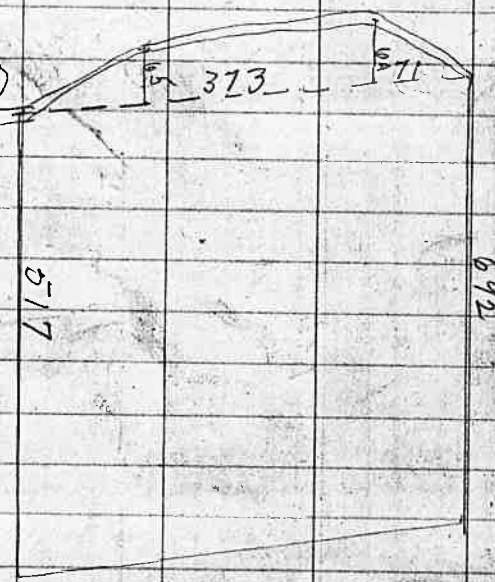
L 20, B3, PLAT D
Offsets parallel to Lot Line



L 22 B3 PLAT D
Offset parallel to Lot Line

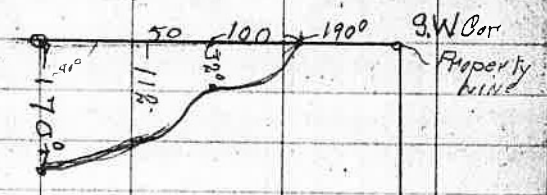


L 24, B3, PLAT D
Offsets parallel
to Lot Line

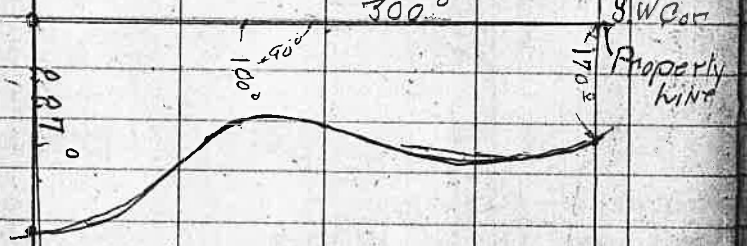


L 26, B3, PLAT D
Offsets parallel to Lot Line

Lot 28 Plat F

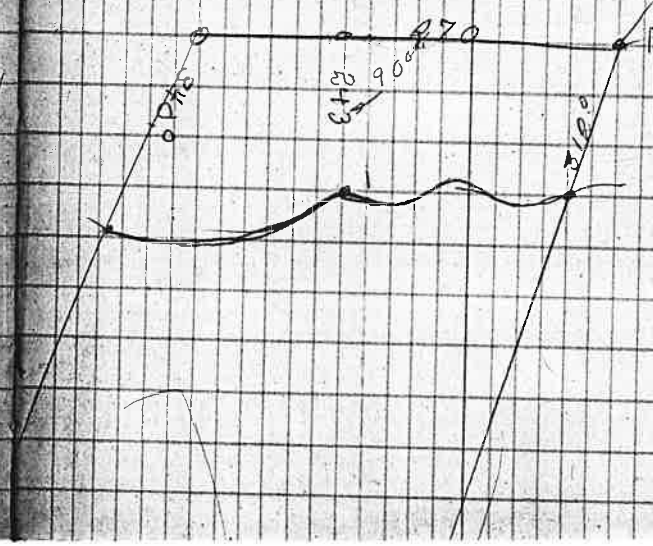


Lot 27.

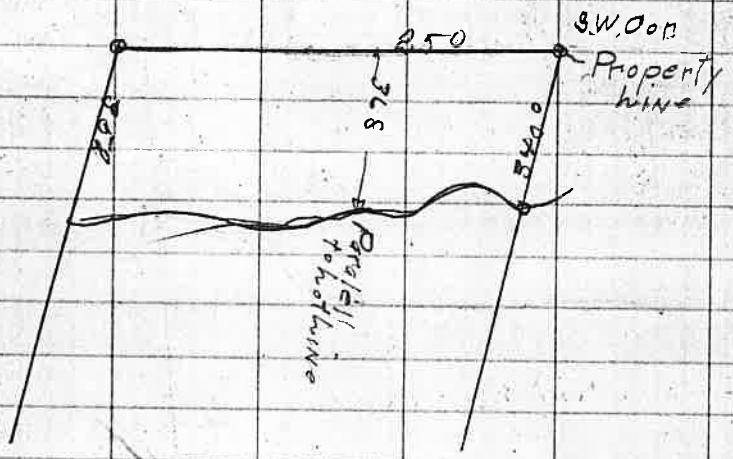


Lot 26 Plat F

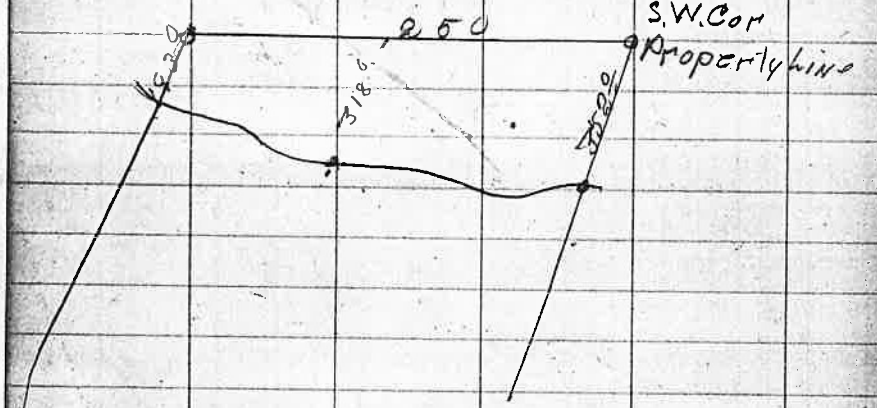
Lot 25 Plat F



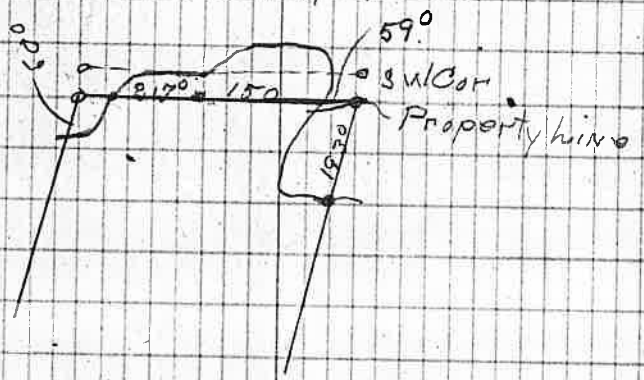
Lot 24 Plat F



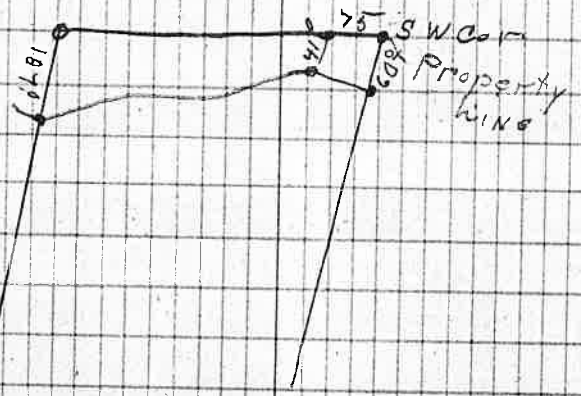
Lot 23 Plat F



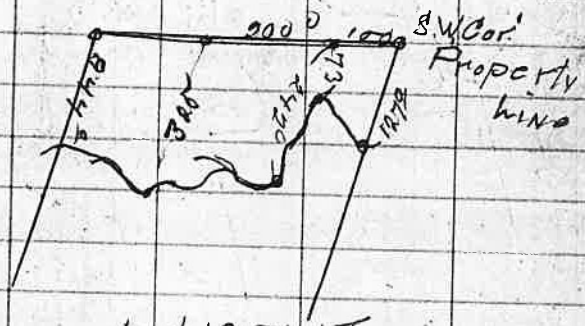
Lot 22 Plat F



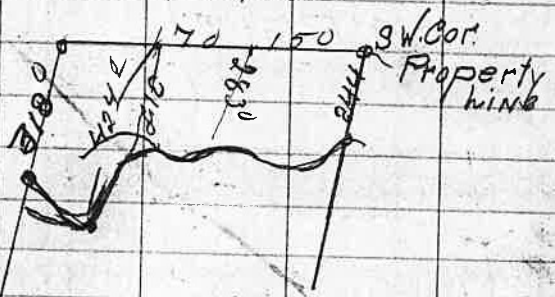
Lot 21 Plat F



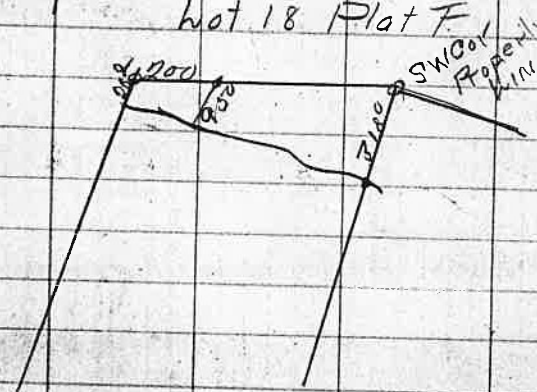
Lot 20 Plat F.



Lot 19 Plat F

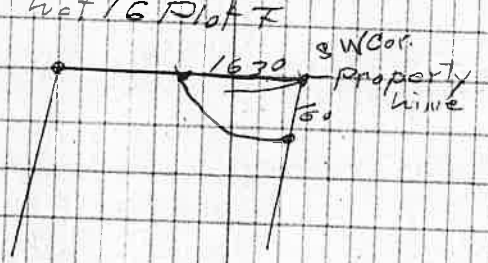


Lot 18 Plat F.



Lot 17 Plat F

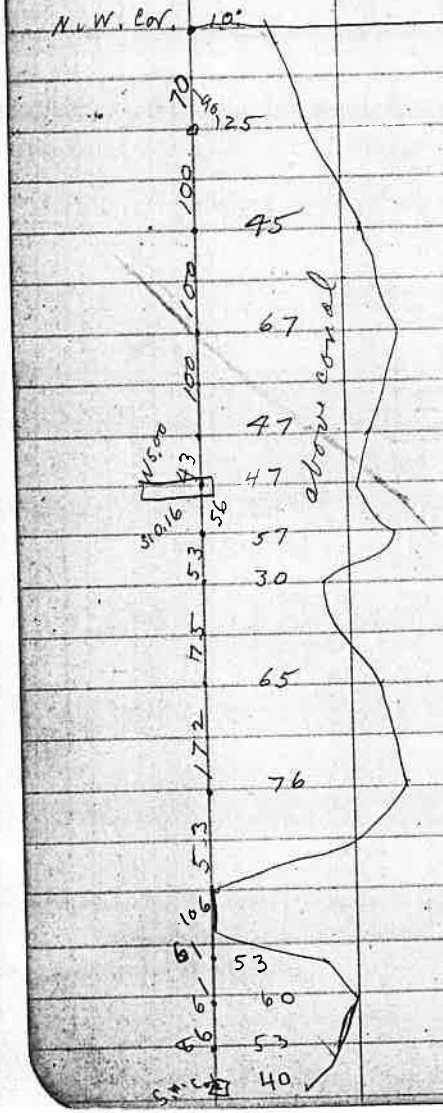
Lot 16 Plat F



May 24th 1911

Plat E. Blk. One

Lot 13.



Field Book No. 78

Pages 67 -76 Blank

Jan 21, 1911 11 AM

S20°37'E

V.A. + 23°59'

1st Pair (1) S17°53E V.A. + 24°59' 11:10 A.M.

(2) S17°04'E + 24°29' V.A. +

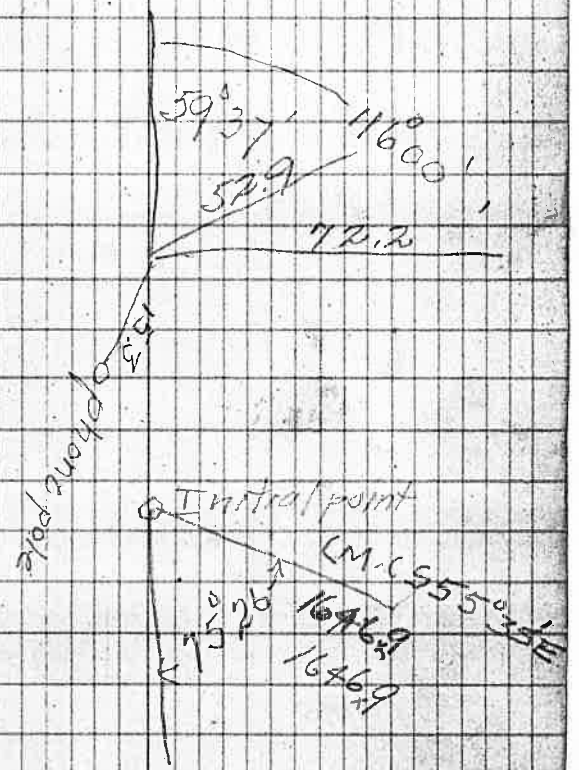
2nd S18°51E V.A. + 24°46' 11.20 A.M.

S17°51E V.A + 24°19'

3rd. S16°40'E V.A. 24°59' 11:30

S. 14°4.1' V.A 25°28'

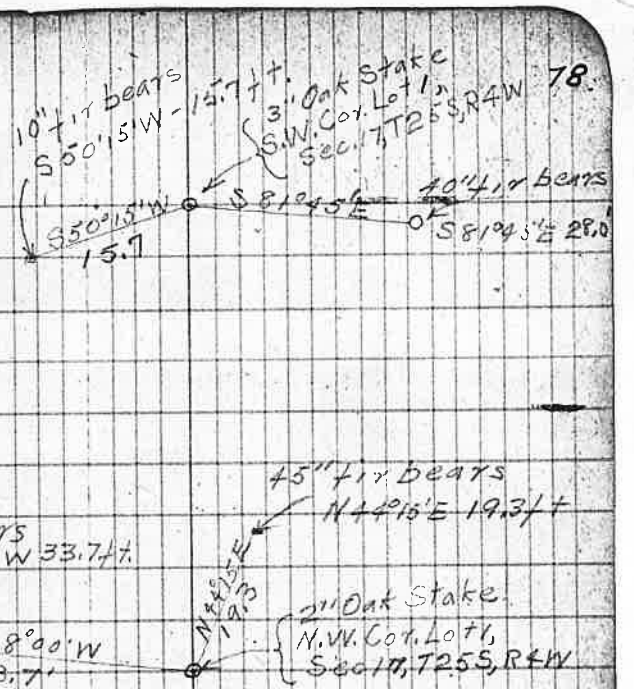
S.W. Cor. Road 37.0 N from pipe to fence



Weir Measurements Foster Canyon.

				Feet
Jan. 8, 11				0.24
Jan. 9, 11				0.26
Jan. 10, 11				0.40
Jan. 11, 11				0.61
Jan 12, 11				0.65
Jan 13, 11				Did not get any
Jan 14, 11				

78.



37112 ∠
6513
13625
17960
4335

.31

Nine ft deep
4.7 to Water
Eighteen ft wide + 6.0' Gate.
Twenty feet boards + 15 ft log on E. East Side
48.0 West Side
20.0 + to Gate in Ditch 8.0' Wide
From North end
Spillway in Ditch 12.0' long

Set S.E. Cor. Lot 1, Blk 5, PLAT IS 3' Oak Post.
S6°57'E 3x5' from Random Cor. from which a
30" Hemlock bears N31°40'W 19.7
and 38" Hemlock Bears N88°35'W 24.5

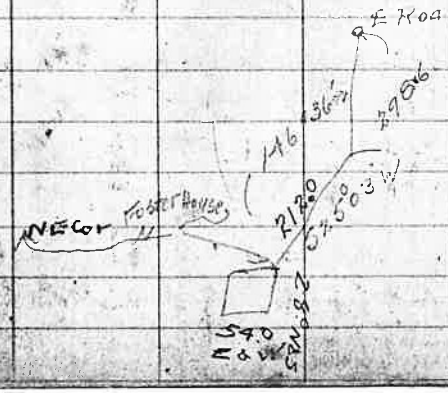


Table IV.—Minutes in Decimals of a Degree.

1′	.0167	11′	.1833	21′	.3500	31′	.5167	41′	.6833	51′	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

Table V.—Inches in Decimals of a Foot.

1-16	.0052	3-32	.0078	⅛	.0104	3-16	.0156	¼	.0208	5-16	.0260
⅜	.0313	½	.0417	⅝	.0521	¾	.0625	⅞	.0729		
1	.0833	2	.1667	3	.2500	4	.3333	5	.4167	6	.5000
7	.5833	8	.6667	9	.7500	10	.8333	11	.9167		

Table VI.—Radii, Ordinates and Deflections.

Deg.	Radius	Mid Ord	Tan Def.	Chd Def.	Def for 1 Foot	Deg.	Radius	Mid Ord.	Tan Def.	Chd Def.	Def. for 1 Foot
0° 10′	34377.	.036	.145	.291	0.05′	7° 00′	819.0	1.528	6.105	12.21′	2.10′
20	17189.	.073	.291	.582	0.10	20	781.8	1.600	6.395	12.79	2.20
30	11459.	.109	.436	.873	0.15	30	764.5	1.637	6.540	13.08	2.25
40	8594.4	.145	.582	1.164	0.20	40	747.9	1.673	6.685	13.37	2.30
50	6875.5	.182	.727	1.454	0.25	8 00	716.8	1.746	6.976	13.95	2.40
1 00	5729.6	.218	.873	1.745	0.30	20	688.2	1.819	7.266	14.53	2.50
10	4911.2	.255	1.018	2.036	0.35	30	674.7	1.855	7.411	14.82	2.55
20	4297.3	.291	1.164	2.327	0.40	40	661.7	1.892	7.556	15.11	2.60
30	3819.8	.327	1.309	2.618	0.45	9 00	637.3	1.965	7.846	15.69	2.70
40	3437.9	.364	1.454	2.909	0.50	20	614.6	2.037	8.136	16.27	2.80
50	3125.4	.400	1.600	3.200	0.55	30	603.8	2.074	8.281	16.56	2.85
2 00	2864.9	.436	1.745	3.490	0.60	40	593.4	2.110	8.426	16.85	2.90
10	2644.6	.473	1.891	3.781	0.65	10 00	573.7	2.183	8.716	17.43	3.00
20	2455.7	.509	2.036	4.072	0.70	30	546.4	2.292	9.150	18.30	3.15
30	2292.0	.545	2.181	4.363	0.75	11 00	521.7	2.402	9.585	19.16	3.30
40	2148.8	.582	2.327	4.654	0.80	30	499.1	2.511	10.02	20.04	3.45
50	2022.4	.618	2.472	4.945	0.85	12 00	478.3	2.620	10.45	20.91	3.60
3 00	1910.1	.655	2.618	5.235	0.90	30	459.3	2.730	10.89	21.77	3.75
10	1809.6	.691	2.763	5.526	0.95	13 00	441.7	2.839	11.32	22.64	3.90
20	1719.1	.727	2.908	5.817	1.00	30	425.4	2.949	11.75	23.51	4.05
30	1637.3	.764	3.054	6.108	1.05	14 00	410.3	3.058	12.18	24.37	4.20
40	1562.9	.800	3.199	6.398	1.10	30	396.2	3.168	12.62	25.24	4.35
50	1495.0	.836	3.345	6.689	1.15	15 00	383.1	3.277	13.05	26.11	4.50
4 00	1432.7	.873	3.490	6.980	1.20	30	370.8	3.387	13.49	26.97	4.65
10	1375.4	.909	3.635	7.271	1.25	16 00	359.3	3.496	13.92	27.84	4.80
20	1322.5	.945	3.718	7.561	1.30	30	348.5	3.606	14.35	28.70	4.95
30	1273.6	.982	3.926	7.852	1.35	17 00	338.3	3.716	14.78	29.56	5.10
40	1228.1	1.018	4.071	8.143	1.40	18 00	319.6	3.935	15.64	31.29	5.40
50	1185.8	1.055	4.217	8.433	1.45	19 00	302.9	4.155	16.51	33.01	5.70
5 00	1146.3	1.091	4.362	8.724	1.50	20 00	287.9	4.374	17.37	34.73	6.00
10	1109.3	1.127	4.507	9.014	1.55	21 00	274.4	4.594	18.22	36.44	6.30
20	1074.7	1.164	4.653	9.305	1.60	22 00	262.0	4.814	19.08	38.16	6.60
30	1042.1	1.200	4.798	9.596	1.65	23 00	250.8	5.035	19.94	39.87	6.90
40	1011.5	1.237	4.943	9.886	1.70	24 00	240.5	5.255	20.79	41.58	7.20
50	982.6	1.273	5.088	10.18	1.75	25 00	231.0	5.476	21.64	43.28	7.50
6 00	955.4	1.309	5.234	10.47	1.80	26 00	222.3	5.697	22.50	44.99	7.80
10	929.6	1.346	5.379	10.76	1.85	27 00	214.2	5.918	23.35	46.69	8.10
20	905.1	1.382	5.524	11.05	1.90	28 00	206.7	6.139	24.19	48.38	8.40
30	881.9	1.418	5.669	11.34	1.95	29 00	199.7	6.360	25.04	50.07	8.70
40	859.9	1.455	5.814	11.63	2.00	30 00	193.2	6.583	25.88	51.76	9.00