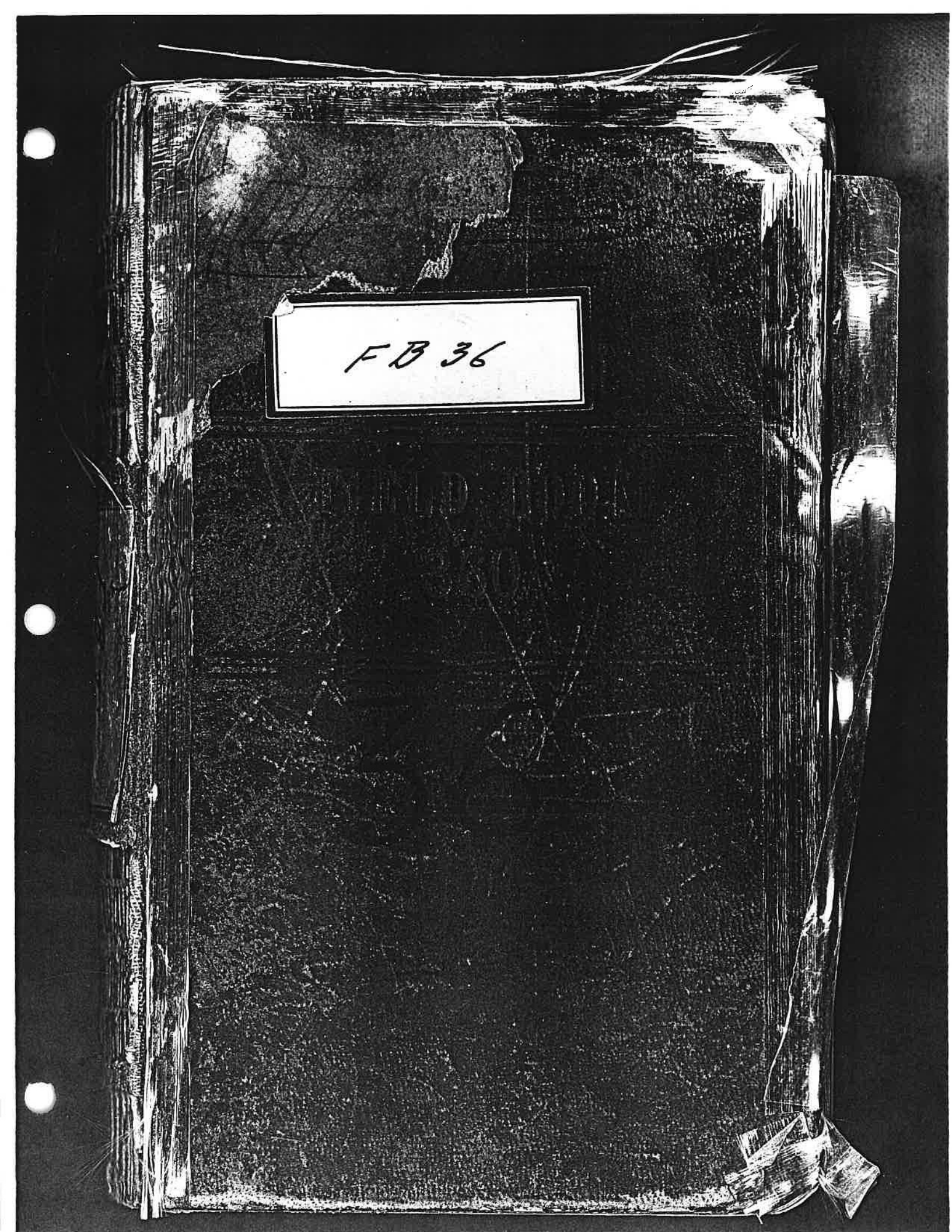
Field Book #36


FB 36

Book #10

INDEX

page

Survey of Dumbleton Ranch Winchester 1 — 19

Survey of Grant Taylor Place at Winchester for Lovejoy 20 — 25

Survey of Lots 3, 4, 13, 14, Blk 25 Winchester (vacated) School Tract - 27 - 29

Pearson Survey 32

Survey of Lot 92 Tract 1, Roseburg Orchard Co. C.H. Sears 34 - 37

Survey of tract for J.L. Shambrook 53

Shambrook Road 54 - 57

Willis Ck. Road for Rice Bros. 58 - 68

Water Co. - Goodrich Highway 38 - 45

" " Winchester 52 - 46 - 49

" " Eden Bower 50 - 51

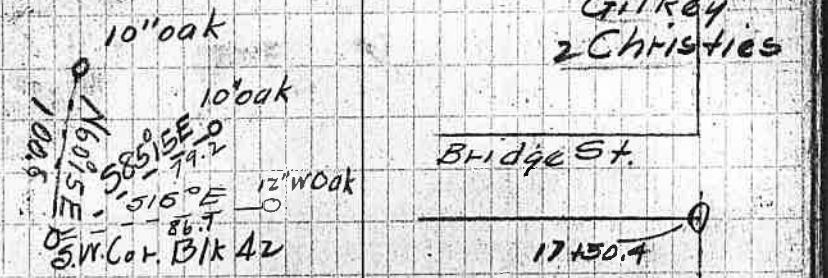
Line along S. bdry. Winchester townsite 0001

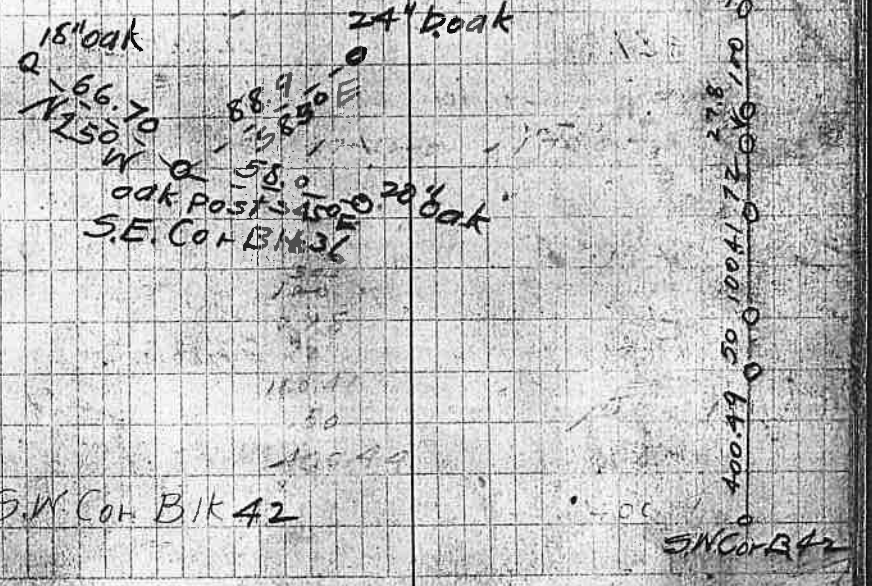
Dumbleton

Nov. 11, '13

Flesor
Gilkey
2 Christies

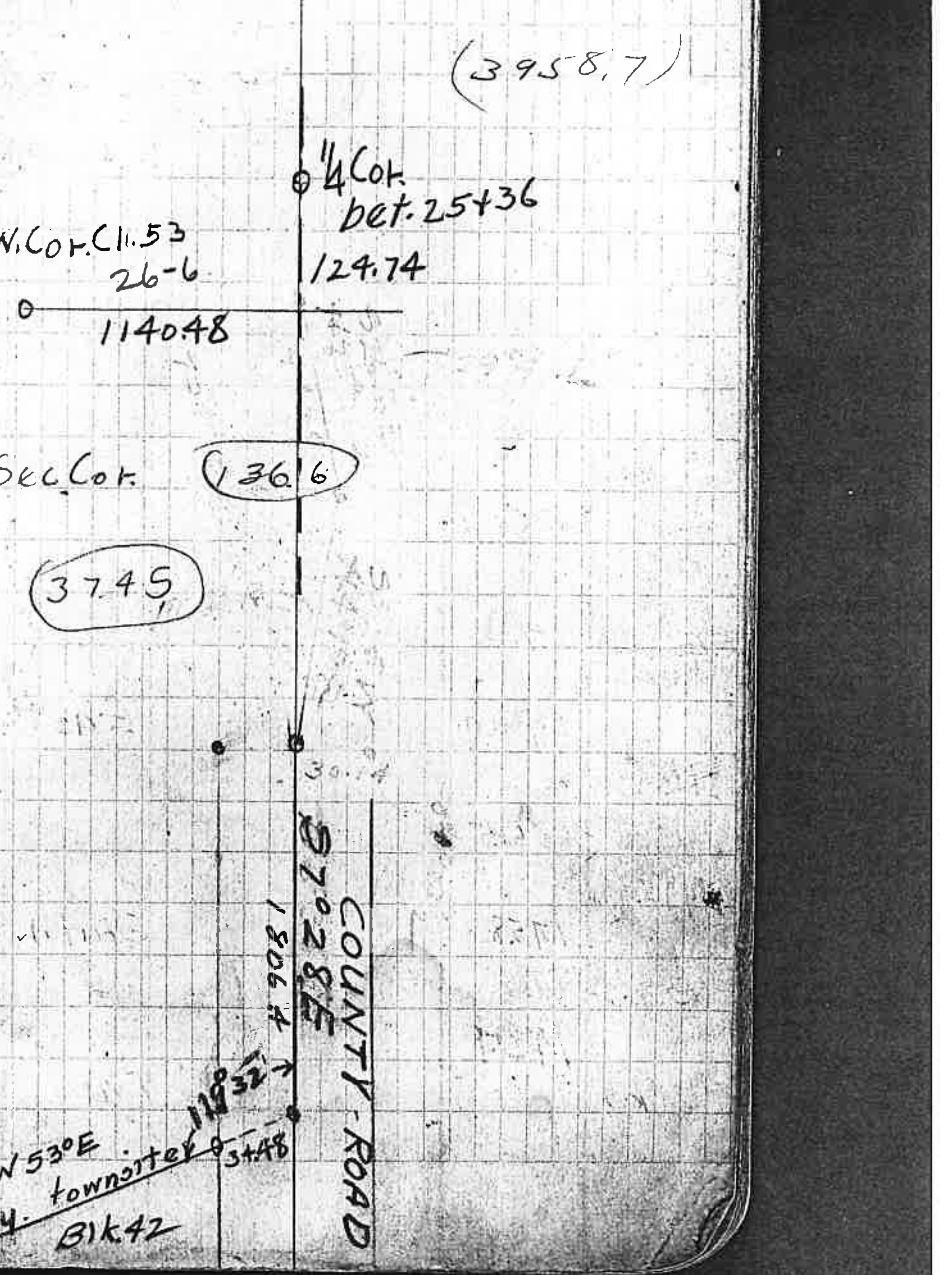
Sta.	Dist.	Δ L.	Δ R	C.C.	M.C.
					N 53° E 3,10.33
				S 87° E	
SE. Cor Blk 36			40° 36½		
	258.88			N 52° 23½ E	
8+51.45 A		0° 39½			
	593.9				
12+51.35					
	872.2				
13+85.25					
	435.05			N 53° 03 E	
17+50.3					
	950.3				
0+00					





Traverse along County Road from S.W. Cor. B.42 - Dumbleton

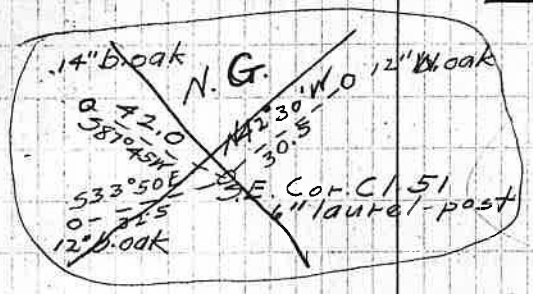
Sta.	Dist	ΔL	ΔR	C.C.	M.C.
	219.2				
34+71.3					
	270.1				
32+01.2					
	319.2				
28+82.0					
	285.7				
25+96.3					
	46.5				
25+49.8					
	188.0				
23+61.8					
			15+41.7 Sec line		87
	2361.8			East	98.9°E
Δ5 = 0+00		64°32½			
	487.6			S25°27½E	S24°E
Δ4		31°10'			
	857.0			S55°42½W	S55°4W
Δ3			5°28½		
	243.0			S50°14W	S1°W
Δ2			7°42'		
	1806.4			S7°28E	S6°38E
Δ1		60°28			
	34.4			S53°W	S53°50W
S.W. Cor. B.42					
0+00					

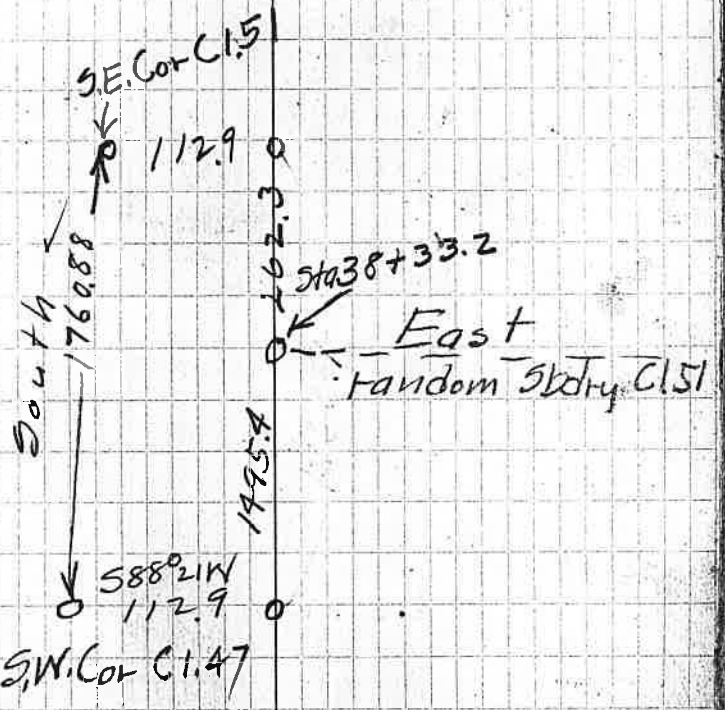


Random South bdry C1.51; T26S, R5W

Dumbleton

Sta.	Dist	ΔL	ΔR	CC	M.C
S.E. Cor. C1.51					
	112.9			East	
2+62.3					
	86.5				
1775.8					
	1758			South	
36+33.2	0+00		90°		
	142.7				
38+19.5				East	

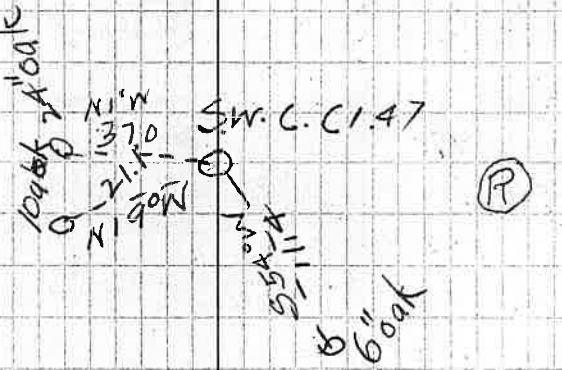




Sta.	Dist.	ΔL	ΔR	C.C.	M.C.
9+57.4					
	105.8				
8+51.6					
	241.3				
6+10.3					
	109.8				
5+00.5					
	242.1				
2+58.4					
	258.4			East	
S.W. Cor Cl. 47 T26S, R5W		=0+00	1°39'		
	112.9			N88°21E	East
4+95.4			88°21'		
	290.9				
1+04.5					
	643.6				
5+60.9					
	78.6				
4+82.3					
	114.5				
	367.8				
0+00				North	

A North on random 0004
Dry Cl. 57 Dumbleton

1760.9
1495.4
265.5



Sta. 38+33.2

Random South bdry
G1.47, T26S, R5W

0005

Pumbleton

Sta	Dist.	ΔL	ΔR	CC	MC
	230.6		5.1	South	
Δ1		32°	40°34		
	146.0			S40°34E	S40°E
V 32+28.1			49°26'		
	170.1			East	
30+58.0					
	213.6			East	
28+44.4		1°12			
	311.7			S88°48E	S88°E
25+32.7			1°12'		
	415.4			East	
21+17.3					
	111.7				
20+05.6					
	328.3				
16+77.3					
	110.5				
15+66.8					
	92.6				
14+75.2					
	298.1				
11+77.1					
	93.2				
10+83.9					
	126.5			East	

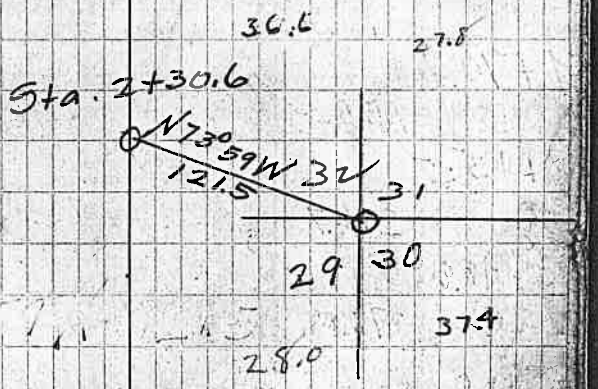
716.8

10.86
66
6516
6516
716.76

6.5's

Random line South from 0006
Sec. Cor 29/32 30/31 T26S, R5W
Dumbleton

Sta	Δ	ΔL	ΔR	C C
5+11.9				
	128.9			South
383.0		0°25'		
	152.4			50°25'W
2+30.6			0°25'	
				South



Sta.	Dist.	ΔL	ΔR	C.C	M.C
28+53.3				19.85	
	208.0				
26+45.3				2 609	
	368.9				
22+76.4					
	155.5				
21+20.9					
	545.8				
15+75.1					
	379.6				
11+95.5					
	162.8				
10+32.7					
	398.0				
6+34.7					
	163.9				
4+70.8					
4+11.8	155.3		3.96W		
3+15.5					
	216.7				
0+98.8					
t.s.	98.8			North	
0+00		90°		East	

N00°19'W - 2645.2'

Random line North bet Sects. 29+30 Dumbleton 0007

60.8

3615.5

308.5 Sector 21.9W

1/4 Cor bet 29+30

67.4 20°29

O. N13°38W 63.1 22+76.4

12"osh

O

N36°E 1.4'

3"maple Stake O 57.0°E 1.8' O 14"maple

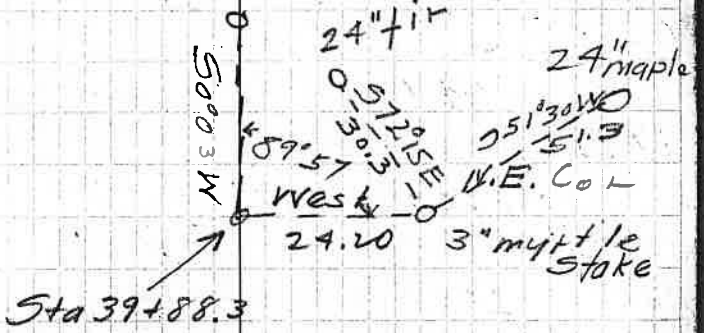
S.E. Cor C147

R

Sta. 32+06.2 on random S bdry C147

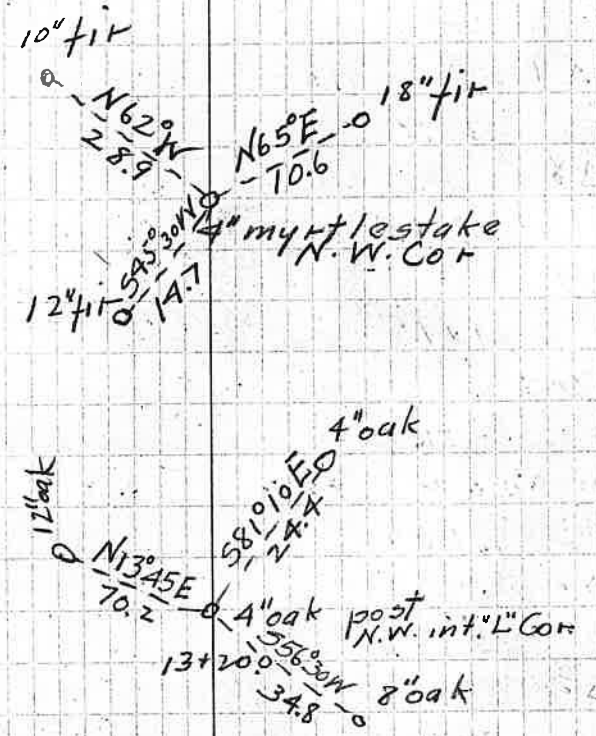
North Det Secs. 29 & 30
Dumbleton
0008

Sta	Dist	ΔL	ΔR	CC	MC
39+88.3					
	55.7				
39+32.6					
	250 P				
36+82.6					
	200.0			N0°03E	
34+82.6		0°03'			
	60.5				
34+22.1					
	68.0				
33+54.1					
	140.7				
32+13.4					
	212.2				
30+01.2					
	147.9				



Townsite to River Dumbleton

Sta.	Dist.	ΔL.	ΔR	C.C.	M.C.
10+36.6	= N.W. Cor.				
	21.8				
10+14.8					
	331.2				
6+83.6					
	504.7			6+83.6 road	
1+78.9					
	178.9			North N1°30W	
13+20.0 = 0+00		93°00'			
	240.0				
10+80.0				10+80 road	
	253.2				
8+26.8					
	252.0				
5+74.8					
	219.4				
3+55.4					
	3554			S87°E	S87°E
0+00			40°36½		
				N52°23½E	



SE Cor. Blk 36 - Winchester

River traverse
Dumbleton 0010

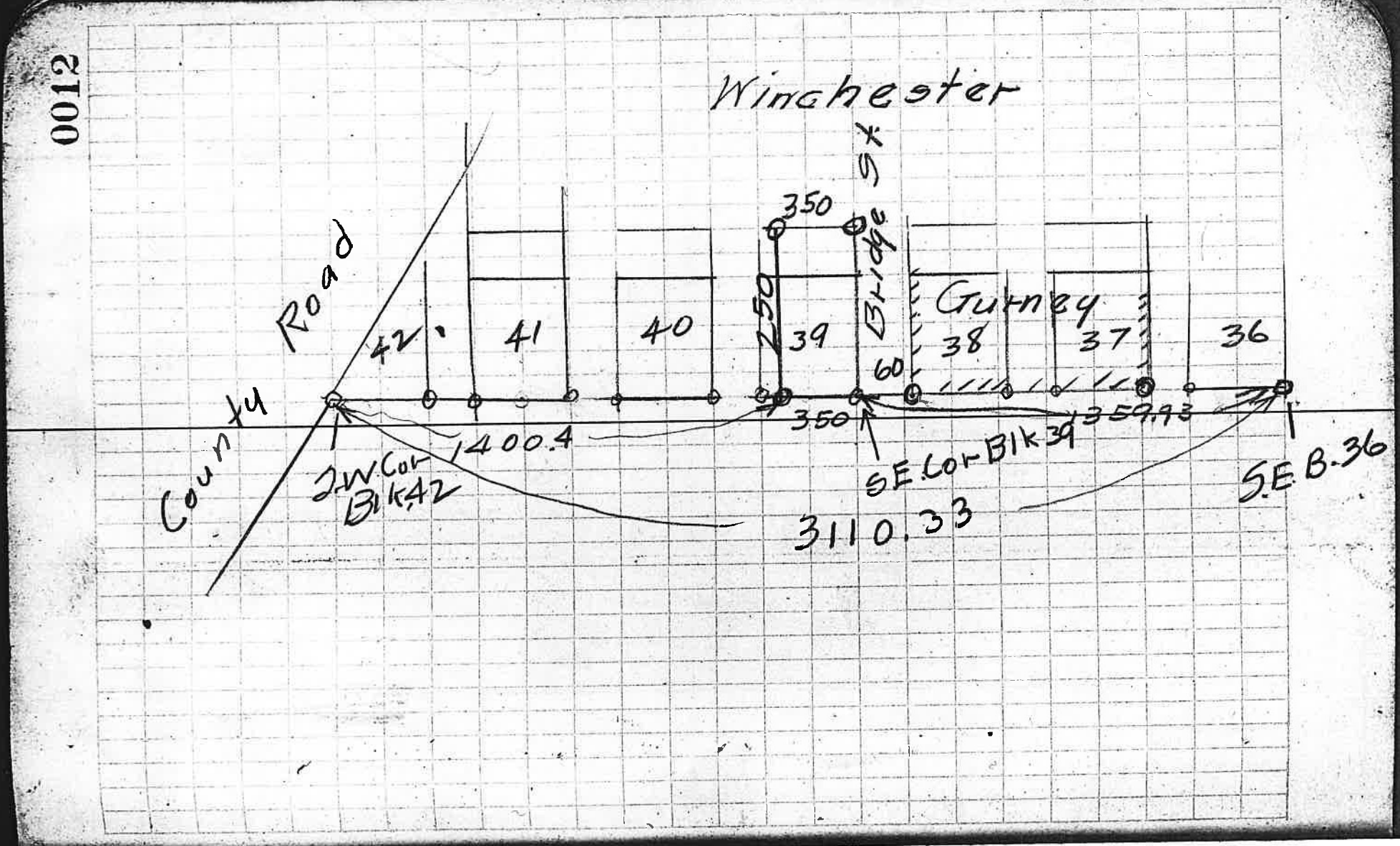
Sta.	Dist.	ΔL	ΔR	C.C.	M.C.
				N66°15½E	N66°E
Δ11			7°26'		
	79.7			N58°52½E	N59°E
Δ10		21°52'			
	215.3			N80°44½E	N81°20E
Δ9		18°27'			
	377.4			S80°48½E	S81°30E
Δ8		7°27'			
	551.4			S73°21½E	S74°E
Δ7			3°16½		
	179.8			S76°38E	S75°E
Δ6			0°46½		
	421.0			S77°24½E	S78°10E
Δ5		14°10'			
	165.9			S63°14½E	S65°E
Δ4			9°08		
	346.6			S72°22½E	S74°30E
Δ3		6°59'			
	217.1			S65°23½E	S65°50E
Δ2			14°41½		
	266.1			S80°05E	S80°30E
Δ1		12°50			
	716.1			S67°15E	S69°15E
0+00			112°45'	North	

Sta. 10+14.8 on line from N.W. int. "L" Cor to river

River Traverse

Sta.	Dist	ΔL	ΔR	C.C.	MC
		6783			

0012


Winchester
Bridge St
Gurney
County Road
42
41
40
39
38
37
36
350
250
60
350
359.93
1400.4
3110.33
S.W. Cor Blk 42
S.E. Cor Blk 39
S.E. B.36

North to Sec Cor 25/3 | 31/36

Dumbleton

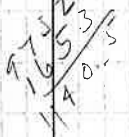
0013

1A Sta	Dist	ΔL	ΔR	CC	M.C.

Tie from Road traverse to 1/4 Cor on W bdry. Sec. 25

Dumbleton

Sta.	Dist.	ΔL	ΔR	CC	MC
Hub = S¼ Cor. C1.53					
	105.83			East	
Stone		89°02½			
	975.2			S0°57½E	
Hub		73°50½			
	1019.2			S72°53W	
Otao		112°49½			
				N52°42½E	



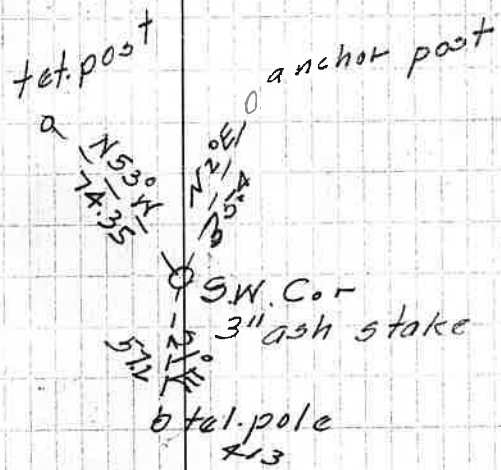
N0°57½W - 1653 to stone ¼ Cor.

Δ3 on County Road traverse

Sta	Dist	ΔL	ΔR	C.C.	M.C.

17

Sta.	Dist	ΔL	ΔR	C.C.	M.C
Δ6					
	36.2			S0°57½E	
Δ5			24°30	S25°27½E	



Δ6 30.0 ± S.W. Cor
S86°44E

Sta.	Dist.	ΔL	ΔR	C.C.	M.C.
	859.7			S2°37E	
Δ5 County Road			12°50½		
				S2°52½E	

Survey of Bachstrom

0017

(Bearing of old fence N88°33E from Δ5)

Davis anchor post

S84°44½W 19.8

S87°45E Δ5

31.6

0 Old post

31.78 S85°16E

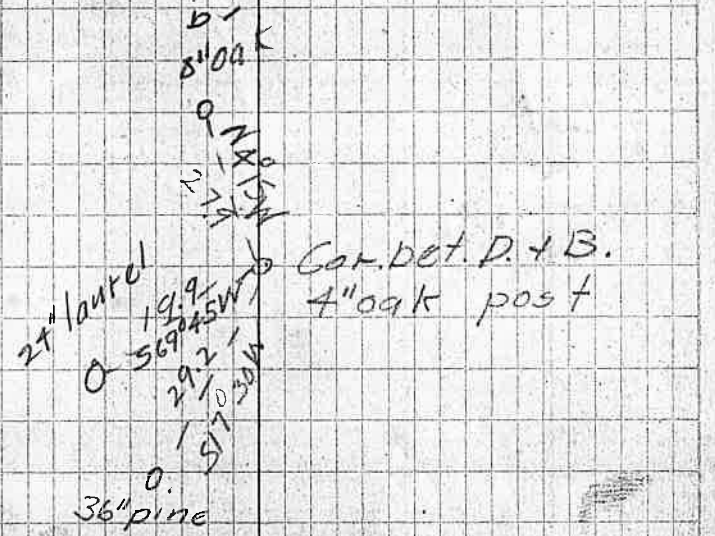
0 Bachstrom anchor post

Sta	Dist	ΔL	ΔR	C.C.	MK
post					
				S89°05W	
stake		6°49'			
				N84°06W	
236 1:0			5°54'	West	
	Ea			East	
Δ5					

Re-Setting cor bet. Bachstrom & Dumbleton

0018

S.E. Cor. Dumbleton



3911.8

N89°05E

Grant Taylor Place

Latitude		
43°18'01'	N line	Sec 20
43°17'09'	"	" " 29
43°16' 17'	"	" " 32

$$\text{Coo Ag} = \frac{\text{sin dec}}{\text{cos lat} \times \text{cos alt}} - \frac{\text{sin alt} \times \text{sin lat}}{\text{cos lat} \times \text{cos alt}}$$

Sta	Dist.	ΔL	ΔR	C.C.	M.C.
26+40.0	– Random S.E. Cor–			TAYLOR	
	149.3				
24+90.7					
	418.3			East	
20+72.4			0°40'		
	166.6			N89°20E	
19+05.8		0°40'			
	448.5			East	
14+57.3					
	114.2				
13+43.1					
	89.0				
12+54.1					
	147.1				
11+07.0					
	411.1				
6+95.9					
	375.5				
3+20.4					
	200.9				
1+19.5					
	119.5			East	
0+00			91°09'		
	380.5			N1°09W	
Sta 6+34.7 random		Sec. line			

Random Line East from S.W. Cor. Taylor Place

0020

Oct. 26 '14
Fleser–
2 Christies
Worthington

S.W. Cor.
3"x3" cedar state
8" Ash – N1°E 34.8
8" W. Oak S46°W 25.0

S.W. Cor. Taylor – 1/16 Cor on Sec. line between 29 & 30
S.W. Cor. – N.W. 1/4 S.W. 1/4
Sec. 29

22

Random line South from random S.E. Cor. Taylor to 0021/4
Cor bet 29 & 32

Oct. 27, '14

Sta.	Dist.	∠L	∠R	C.C.	M.C.
1/4 Cor. bet 29 & 32					
	35.3			S59°27E	S58½°E
12+98.1		59°27			
	175.6			South	
11+22.5					
	189.7				
9+32.8					
	143.6				
7+89.2					
	789.2			South	S3°W
0+00			90°		
				East	

1/4 Cor. bet 29 & 32
3" oak post
12" fir - S55°E - 22.2
12" " N66½°E - 25.9
8" laurel N47°W - 6.8
Both B.T.'s dead & standing

(R)

26+40.0 E from S.W. Cor TAYLOR

Sta	Dist.	ΔL	ΔR	C.C.	M.C
	248.7				
23+17.5					
	170.7				
21+46.8					
	288.0				
18+58.8					
	103.5				
17+55.3					
	177.9				
15+77.4					
	189.8				
13+87.6					
	359.9				
10+27.7					
	150.4				
8+77.3					
	185.2				
6+92.1					
	136.7				
5+55.4					
	420.1				
1+35.3					
	1353			North	
0+00		90°		East	

Random line
random S.E. Cor TAYLOR
Random B.bdy.

North from 022
Oct. 27, '14

S.E. Cor. Taylor
3" oak post
36" B oak N35°W-61.7
12" W " N70°E-67.3
S.E. Cor. NE1/4 SW1/4
Sec. 29

Sta 26+40 on random line East from SW Cor

Sta	Dist	ΔL	ΔR	C.C.	M.C
	247.2				
45+08.8					
	226.3				
42+82.5					
	307.0			North	
39+75.5	=1/4 Cor Bet 20+29		7°36'		
	147.3			N7°36W	
38+28.2		7°36'			
	130.1			North	
36+98.1		1°28'			
	163.6			N1°28E	
35+34.5			1°28'		
	123.5				
34+11.0					
	154.0			North	
32+57.0			0°41'		
	189.6			N0°41W	
30+67.4		0°41'			
	83.9			North	
29+83.5					
	99.7				
28+83.8					
	317.6				
25+66.2					

Random Bdry. Cont'd

323

Oct. 28, '14

" 29, '14

1/4 Cor bet 20+29

4" oak post

8" laurel N60½°W 19.2

20" fir N83°E 18.3'

36+98.1

36" pine

S61°39'W

112.0

B.T.

Sta	Dist.	ΔL	ΔR	C.C.	M.C.
1/4 Cor. bet 20/29					
92+73.6	1/4 Cor bet 17 & 20			S0°22E	
	388.9			N5°08W	
88+86.7		5°08			
	337.0			North	
85+49.7					
	1180.9	triangulated			
73+68.8					
	347.7				
70+21.1					
	274.6				
67+46.5					
	750.2				
59+96.3					
	265.2				
57+31.1					
	470.6				
52+60.5					
	5045			North	
47+56.0					

Random East Bdry. Cont'd

Oct. 29, '14
Oct. 30, '14



Pt. on left bank N. Umpqua
N.E. Cor. TAYLOR
on River bank
3" oak post
B. Oak 24" S62½°E-30.2'
" " 18" S53°W-39.3'

27

Sta.	Dist.	Δ L	Δ R	C.C	T.C

22.3

38.3

10°

53°

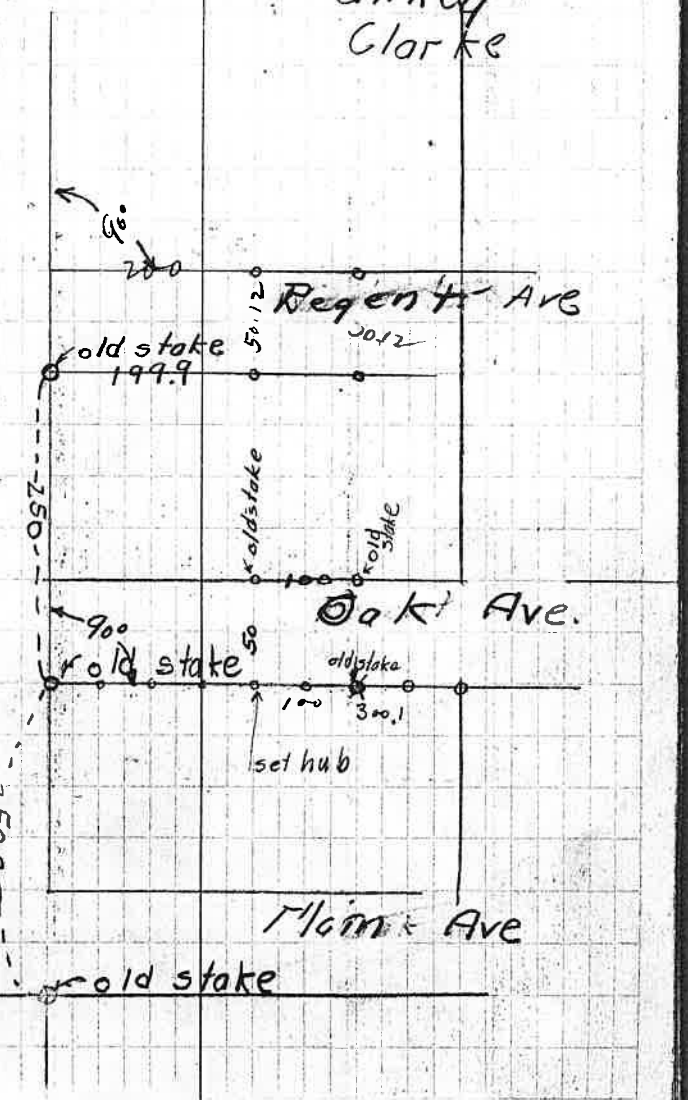
90°

300 hub

0+00

Survey of Lots 3, 4, 13, 14 Blk 26
Winchester
School house site
Feb. 26, '15
Fleser
Gilkey
Clarke

See sketch on page 29



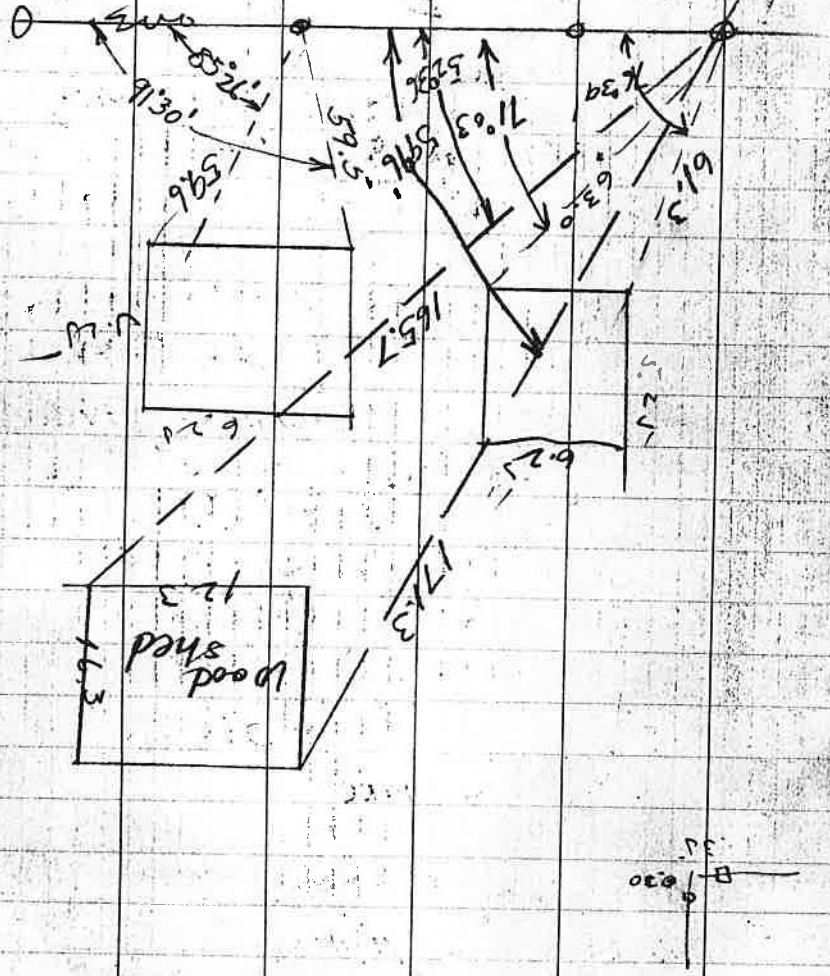
5 Fs Cedar
Iron pipe

School house Tract Survey
Winchester
Witness trees

NW. Cor. School Tract
old original stake
marker

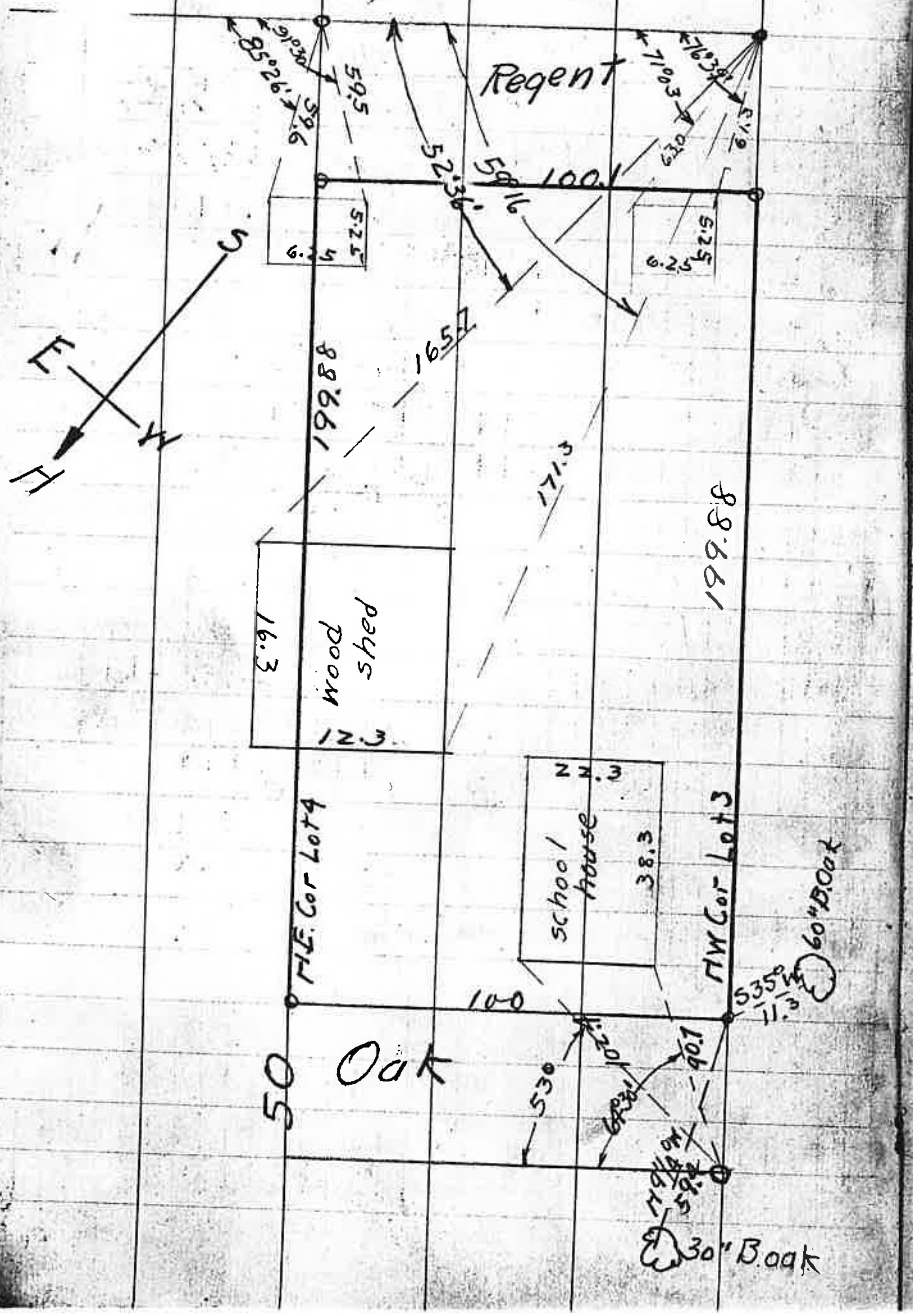
60" B. oak. S35°W - 11.3
30" " " N9¼°W - 59.4

See sketch on page 29

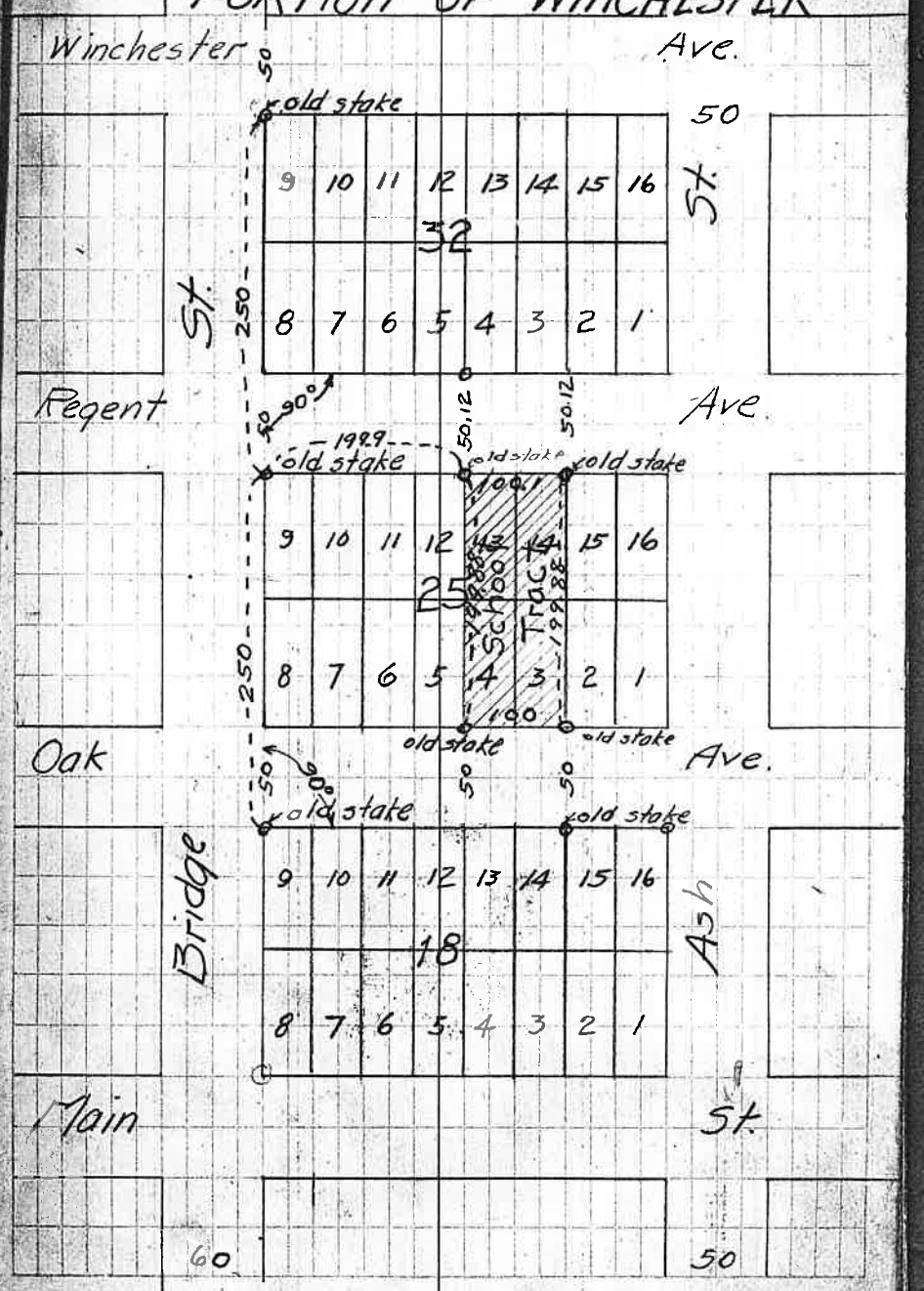

91'30'
S9°E
S5°E
S2°E
N3°W
N9°W
N6°E
N3°E
N9°E
N15°E
N21°E
N27°E
N33°E
N39°E
N45°E
N51°E
N57°E
N63°E
N69°E
N75°E
N81°E
N87°E
S87°E
S81°E
S75°E
S69°E
S63°E
S57°E
S51°E
S45°E
S39°E
S33°E
S27°E
S21°E
S15°E
S9°E
S3°E
S3°W
S9°W
S15°W
S21°W
S27°W
S33°W
S39°W
S45°W
S51°W
S57°W
S63°W
S69°W
S75°W
S81°W
S87°W
N87°W
N81°W
N75°W
N69°W
N63°W
N57°W
N51°W
N45°W
N39°W
N33°W
N27°W
N21°W
N15°W
N9°W
N3°W

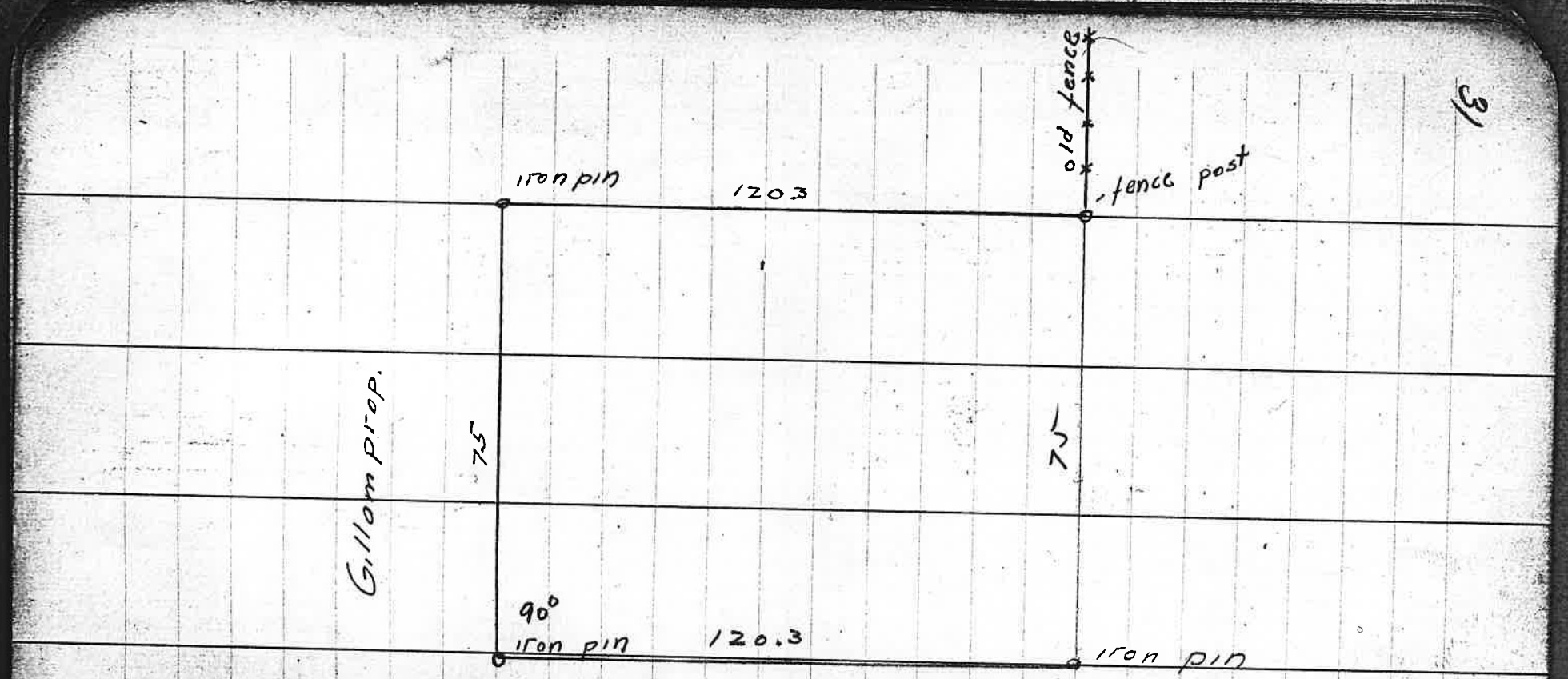
29

Ties to School bldg's.



PORTION OF WINCHESTER




old fence
fence post
iron pin
120.3
Gillom prop.
75'
75'
90°
iron pin
120.3
iron pin
MAIN ST.

6°55'
40 x 75

.029

Pearson Store
prop

82

936°35 E

1350 feet from bridge

138.6
120.3
218
476.9
127.2
604

Survey for Steve Pearson (03)
Winchester

Fleser
W Christie
C. Christie
Apr. 1, 15

Tie from Steve Pearson's prop. to Lovejoy Ranch

4-1-15

Sta.	Dist.	ΔL	ΔR	C.C.	M.C.
hub on random bdry.					
				N52°55'E	N53°03'E
iron pipe		108°39'			
	756.4			S18°26'E	
0+00		53°11			
	188.0			S35°45W	
S.W. Cor Lot 20, Blk 14			2" pipe		

S.W. Cor Blk 42 Winchester

iron pin

Not 43° 15'

41.9
4
167.6

Declination Settings

Monday, Aug. 7, 1916

hrly. diff. −41.90"

4 A.M.	16° 27'	21.7"	
	2'	47.6	
8 A.M.	16° 24'	34.1	+1'00" = 16° 25' 34"
		41.9	
9 AM	16° 23'	52.2	+0' 43" = 16° 24' 35"
		41.9	
10 AM	16° 23'	10.3	+0' 35" = 16° 23' 45"
		41.9	
11 AM	16° 22'	28.4	+0' 30" = 16° 22' 58"
		41.9	
12 AM	16° 21'	46.5	+0' 30" = 16° 22' 17"
		41.9	
1 PM	16° 21'	04.6	+0' 30" = 16° 21' 35"
		41.9	
2 PM	16° 20'	22.7	+0' 35' = 16° 20' 58"
		41.9	
3 PM	16° 19'	40.8	+0' 43" = 16° 20' 24"
		41.9	
4 PM	16° 18'	58.9	+1' 00" = 16° 19' 59"

Survey of Lot 92, Tract 1 3234

Roseburg Orchards Co.

C. H. Sears

Sta	Dist	ΔL	ΔR	C.C. N31°nW	M.C
				~~N31°04W~~	N39½°W
Δ10			110°17'		
952.3				S38°32W	
	95.6			~~S38°34W~~	31°15W
Δ9		1°30'			
836.7				S40°02W	
	188.4	1°32'		~~S40°04W~~	S36°W
Δ8		~~1°30'~~			
6653					
	58.2			S47°34W	S37½°W
Δ7			0°49'		
616.1					
	176.9			~~S40°45W~~	S37½°W
Δ6		0°14'			
433.2					
	215.2			S40°59W	S42°W
Δ5		0°54'			
	218.0			S47°53W	S41½°W
Δ4			66°41'		
	543.7				
				S24°48E	S27¾°E
Δ3			25°01'		
	534.0			S49°49E	S48½°E
Δ2			63°03'		
	117.0			N67°08E	N70°E
Δ1			26°42'		
	722.8			N40°26E	N44°E
0+00					

Survey of Lot 92 Roseburg Orchard Tracts Plat 1

Aug 7, '16
Fleser
Gilkey
Lenox

anchor post
Lot stake
mkd 92+44
1.5 S 32°

98-12°50

4' R. of fence
189.7 - 6°35'

3' R of fence

1' R of fence
208.2 - 31°50

2' R. of fence
235 - 23°42'

Δ5 = 3' R of fence

Δ9

54°56
V80
4 anchor post
Lot stake
mkd 92+99

41°07½ anchor post
no stake

3°50 - 30.0 - 299.3 + 2.99.4

Δ4

41

3.5 anchor post
no stake

8685

Lot stake mkd
Lot 68+69. 240° 01' 02"

Lot stake by anchor
mkd 92+93

Sta	Dist	ΔL	ΔR	C.C.	MC
				N40°29E	
Δ16=0+00			73°37	N40°31E	
	139.0			N33°05W	
Δ15		2°		N33°06W	N28°4W
	132.3			tan.	
14					
	137.7			tan	
Δ13				N31°08W	
	282.2			N31°06W	N31¼°W
Δ12			0°57'		
	77.2			N32°05W	
Δ11		0°54"		N32°03W	N32°W
	362.5				

280 - 15°20' this dist from Δ13 to Δ15 foot of hill

148 - 21°30'
2' R of fence

300 - 26° + 12.L
2' R of fence

300 - 13°10' + 70.4

Sta.	Dist.	ΔL	ΔR	C.C.	M.C.
Δ4					
				N44°54E	
Δ5 random bdry.		118°51'			
	452.5			S19°15E	S23°E
Δ6		5°25'			
	122.0			S13°50E	S17½°E
Δ5			46°22'		
	186.6			S60°12E	S65°E
Δ4			40°28'		
	171.8			N79°20E	N80°E
Δ3			30°22'		
	132.2			N48°58E	N47°E
Δ2			12°35'		
	170.3			N36°23E	N36°E
Δ1		90°9'			
	297.2			N45°42E	N48½°E
0+00		103°07			
				S31°11E	
Sta 15 random bdry					

Traverse around foot of hill thru' Lot 92-1, R.O.T. 35 3'4

155 - 8°20'
300 - 40°30'
123.2 - 7°40'

30" Book Gort B.T. for ¼ Cor Secs. 5 & 6 T27S, R5W

44°20' - 5°
Δ1
52°39 - 7°52 S53°34W S53°26W
(53°25' - S51°52W.) ÷ 2 PM S51°45W

(N45°25'E) = N45°40'E

Sta 14 on random bdry.

Sta	Dist	∠	∠R	C.C	M.C.
Δ9				N0°49E / ~~N1°04W~~	N0 1/2° W
Δ8		5°07			
	219.9			5°56 N4°03E	N4 3/4° E
Δ7		61°07			
	693.8			67°03 N65°10E	N65 1/2° E
Δ6			66°26		
	748.3			N0°37E (sam) ~~N1°16W~~	N1° W
Δ5		88°29'			
	195.4			89°06 N87°13E	N87 1/2° E
Δ4			3°55'		
	283.9			85°11 N83°18E	N84° E
Δ3			50°39'		
	335.3			34°32 N32°39E	N33°30E
Δ2			30°27		
	219.8			4°05 N2°12E	N2 1/2° E
Δ1			46°37'		
	187.3			42°32 N44°25W	N44° W
0 to 1		7°55			
	296.4			34°37 N36°30W	N36 1/2° W

Goodrich Highway Surrey 38

Started at noon Fleser

Fred Neal

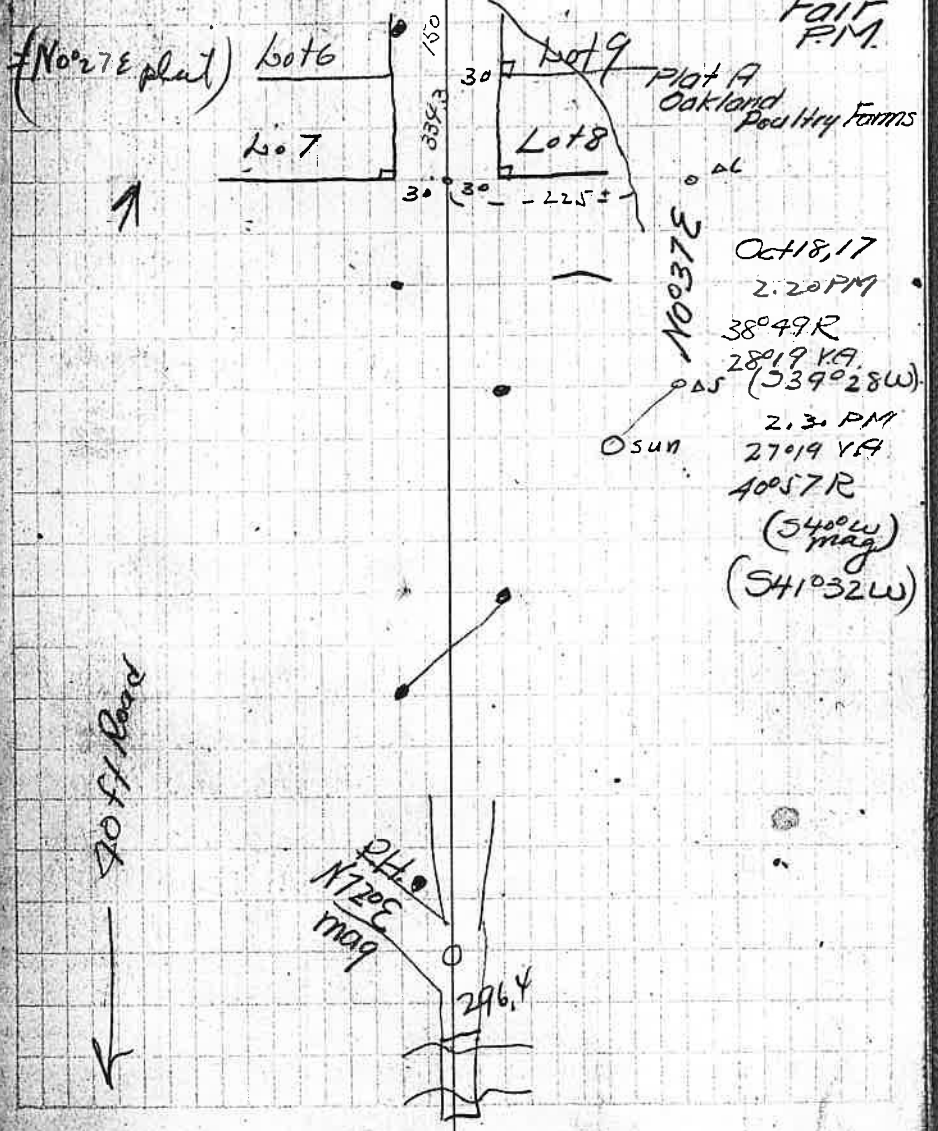
V. Hintle

R. L. Crabtree

Oct. 18, '17

Fair

P.M.



Sta	Dist	∠	R	CC	MC
	2446.5			60' 69 N5°01E	N5°E
△11		8°19'			
	693.8			1V 14°28E A 13°20E	N13½°E
△10			4°47		
	2085.9			9°41 N8°38E	N8¼°E
△9			9°34		
	2741.8			N0°07E N1°01W	N1°W
△8		15°15'			
	917.7			15°22 N14°14E	N14½°E
△7		130°42			
	311.1			29°04 N27°56E	N28°E
△6			24°45		
	379.3			4°19 N3°11E	N3°E
△5			14°50		
	165.4			10°31 N11°39W	N11½°W
△4			9°48'		
	355.5			20°19 N21°27W	N21½°W
△3			9°03'		
	346.6			29°22 N30°30W	N30½°W
△2		15°08'			
	329.2			14°14' N15°22W	N15½°W
△1			9°38		
	313.5			23°52 N25°W	N25°W
0+00					

Goodrich Highway

Oct. 15, '17

532.39

Oct 19.17
54°26 L
27°48 –
9.30 am
S39°55E

△10

53°27 L
28°10
9.4 JAM
(S 40°E mag)
S39°02E

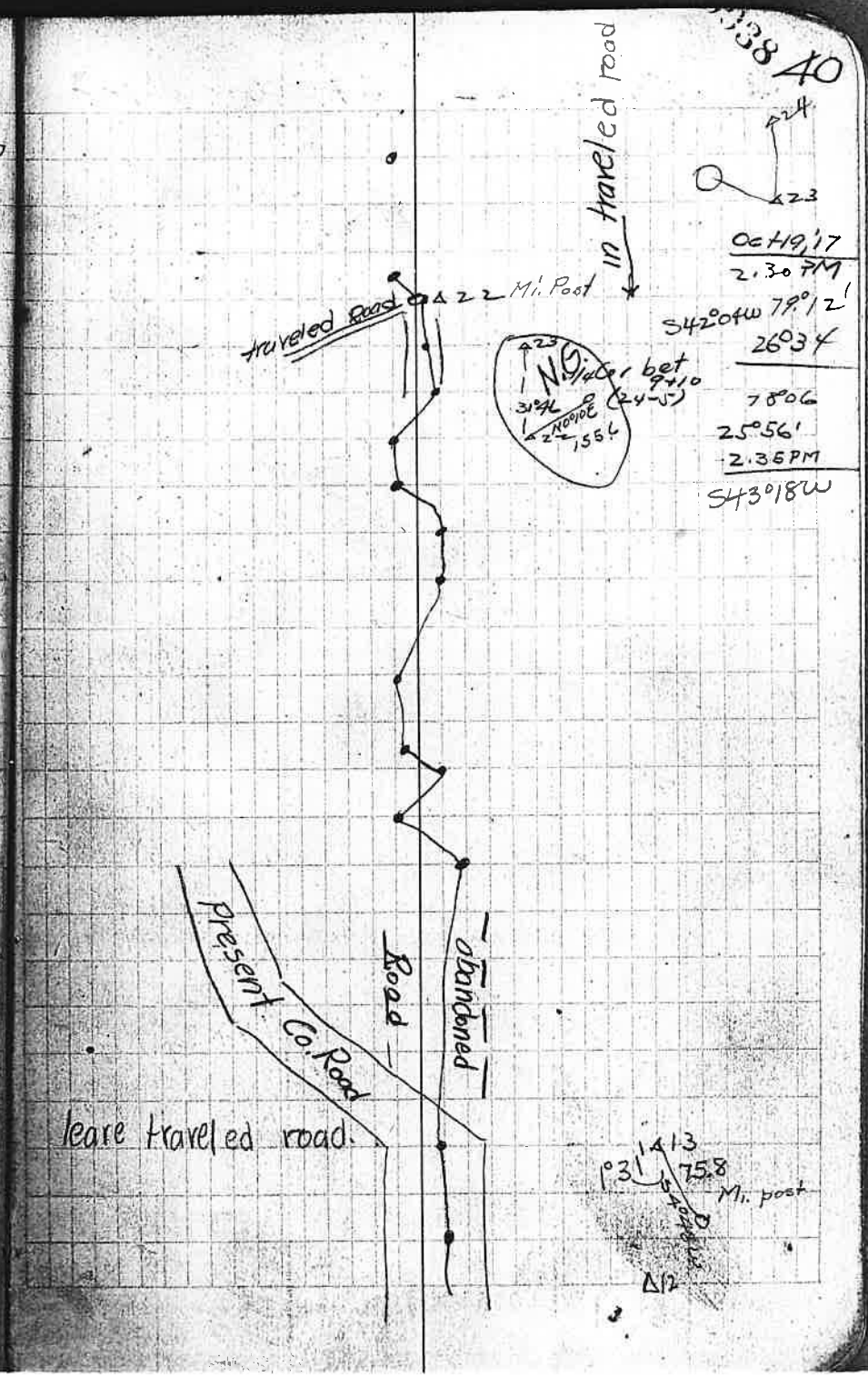
Quit 5 PM · 10/18/17

on summit

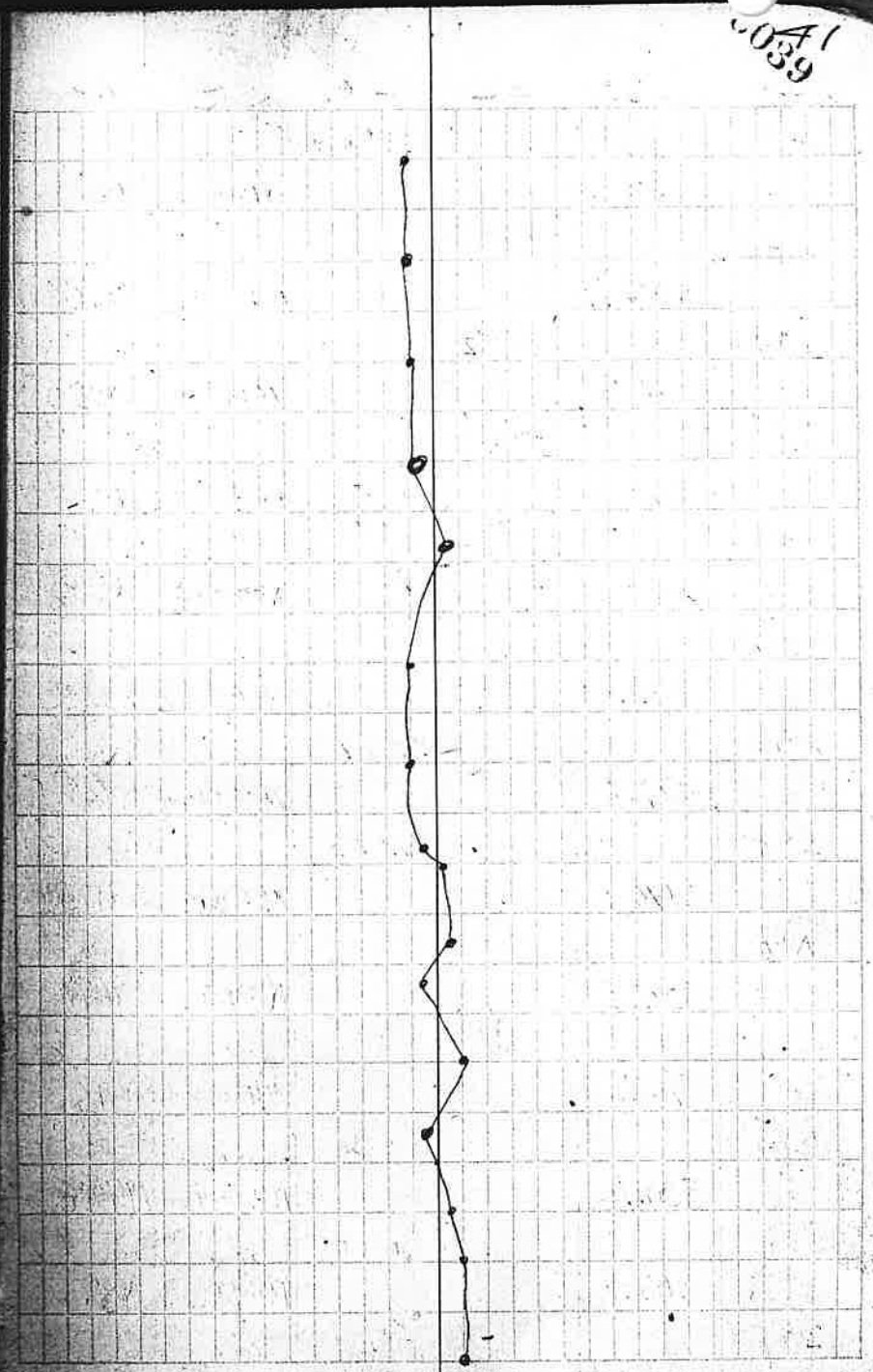
N18°W

30 W from Cor. Lots 18 & 19
Oakland P.F.

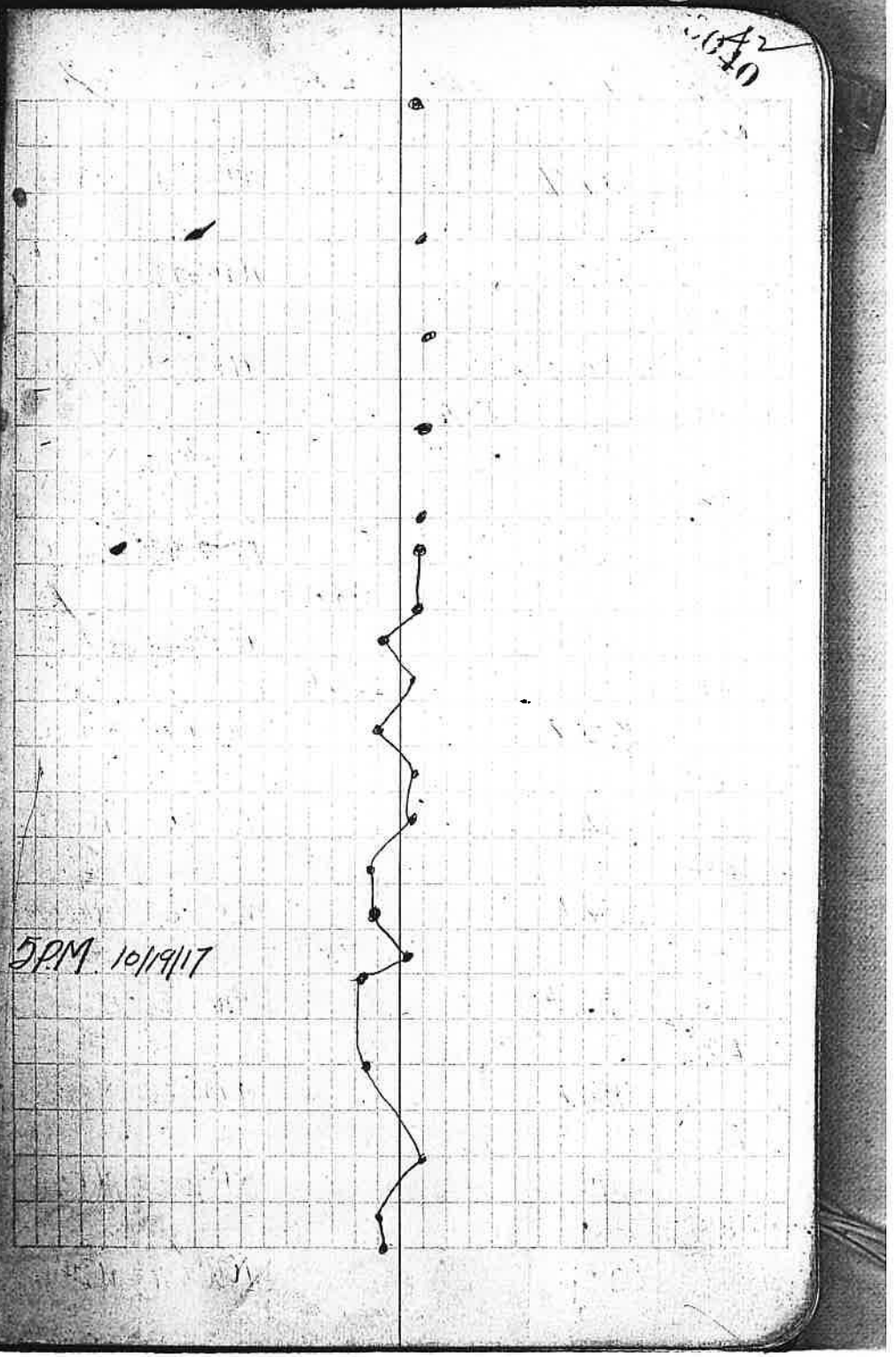
Sta.	Dist	ΔL	ΔR	CC	MC
				N58°40 W	
				~~N59°15 W~~	N60° W
Δ23		28°19'			
	483.3			30°28 N31°36 W	N32° W
Δ22		26°10'			
	360.1			4°18 N5°26 W	N5¾° W
Δ21			3°20'		
	238.4			7°38 N8°46 W	N9° W
Δ20		8°16'			
	488.3			N0°38 E N0°36 W	N0°30 W
Δ19			0°17		
	136.5			N0°21 E N0°47 W	N1° W
Δ18		11°45'			
	365.7			12°06 N10°58 E	N11° E
Δ17		12°06			
	259.2			24°12 N23°04 E	N23° E
Δ16			11°18		
	489.3			12°54 N11°46 E	N11¾° E
Δ15			8°46		
	587.8			N4°08 E N3° E	N3° E
Δ14			0°59'		
	500.4			3°09 N2°01 E	N2½° E
Δ13		1°16'			
	1855.2			4°25 N3°11 E	N3½° E
Δ12		1°44			



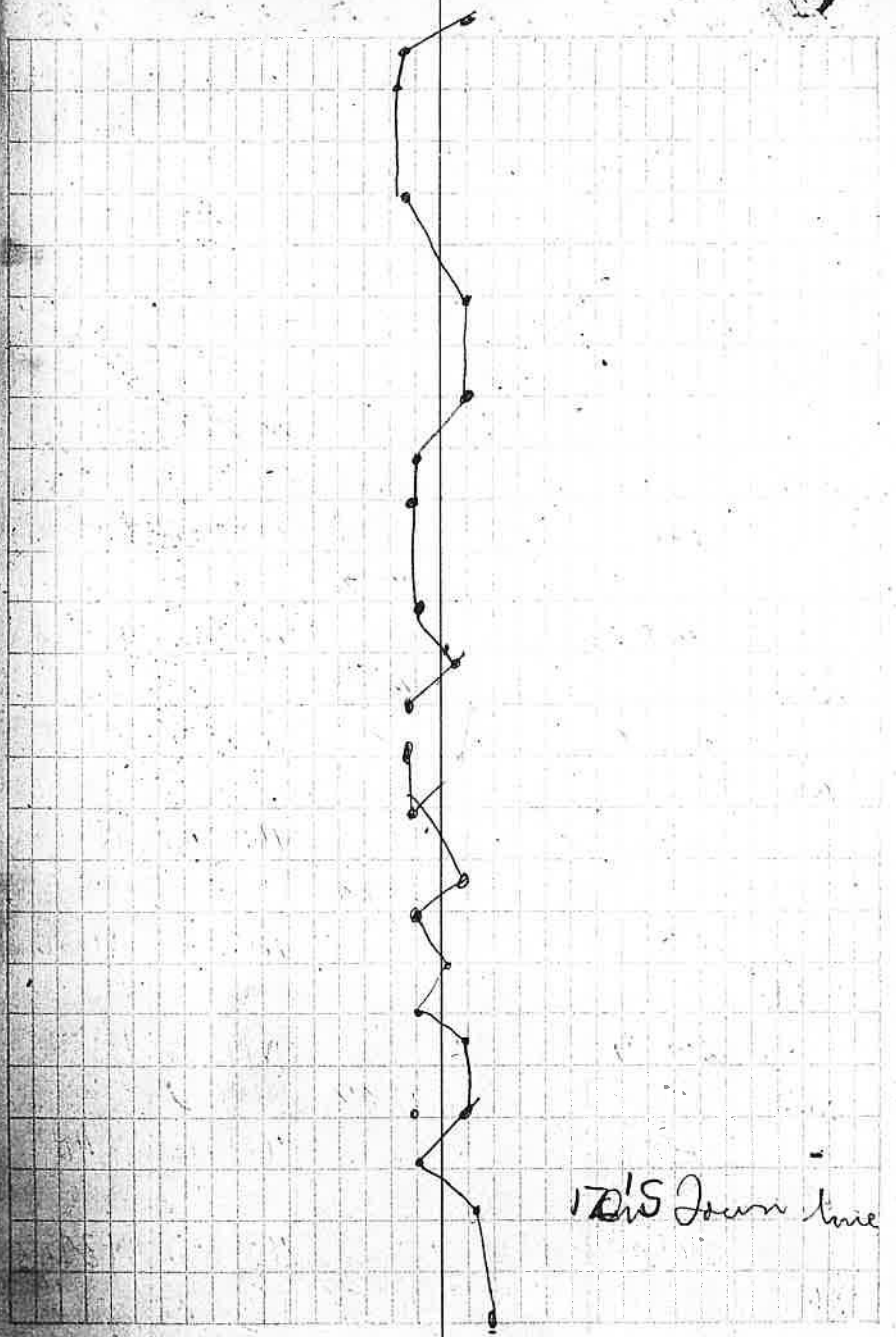
Sta.	Dist	ΔL	ΔR	C.C.	MC
Δ36			5°00		
	329.7			4°11 N5°26W	N6½°W
Δ35		28°37			
	202.3			24°36 N23°11E	N21½°E
Δ34		14°32'			
	215.8			38°58 N37°43E	N36°E
Δ33		8°45'			
	166.2			47°43 N46°28E	N44°E
Δ32			37°11		
	200.9			10°32 N9°17E	N7°E
Δ31		34°05'			
	283.41			44°37 N43°22E	N41°E
Δ30			16°52'		
	411.5			27°45 N26°30E	N23°E
Δ29			2°14		
	490.1			25°31 N24°16E	N23°E
Δ28			21°08		
	324.9			4°23 N3°08E	North
Δ27		11°37			
	525.5			16°00 N14°35E	N13°E
Δ26			8°36'		
	832.8			7°24 N6°09E	N5½°E
Δ25			10°05'		
	2416			2°41 N2°56W	N5°W
Δ24			55°59'		
	2271				



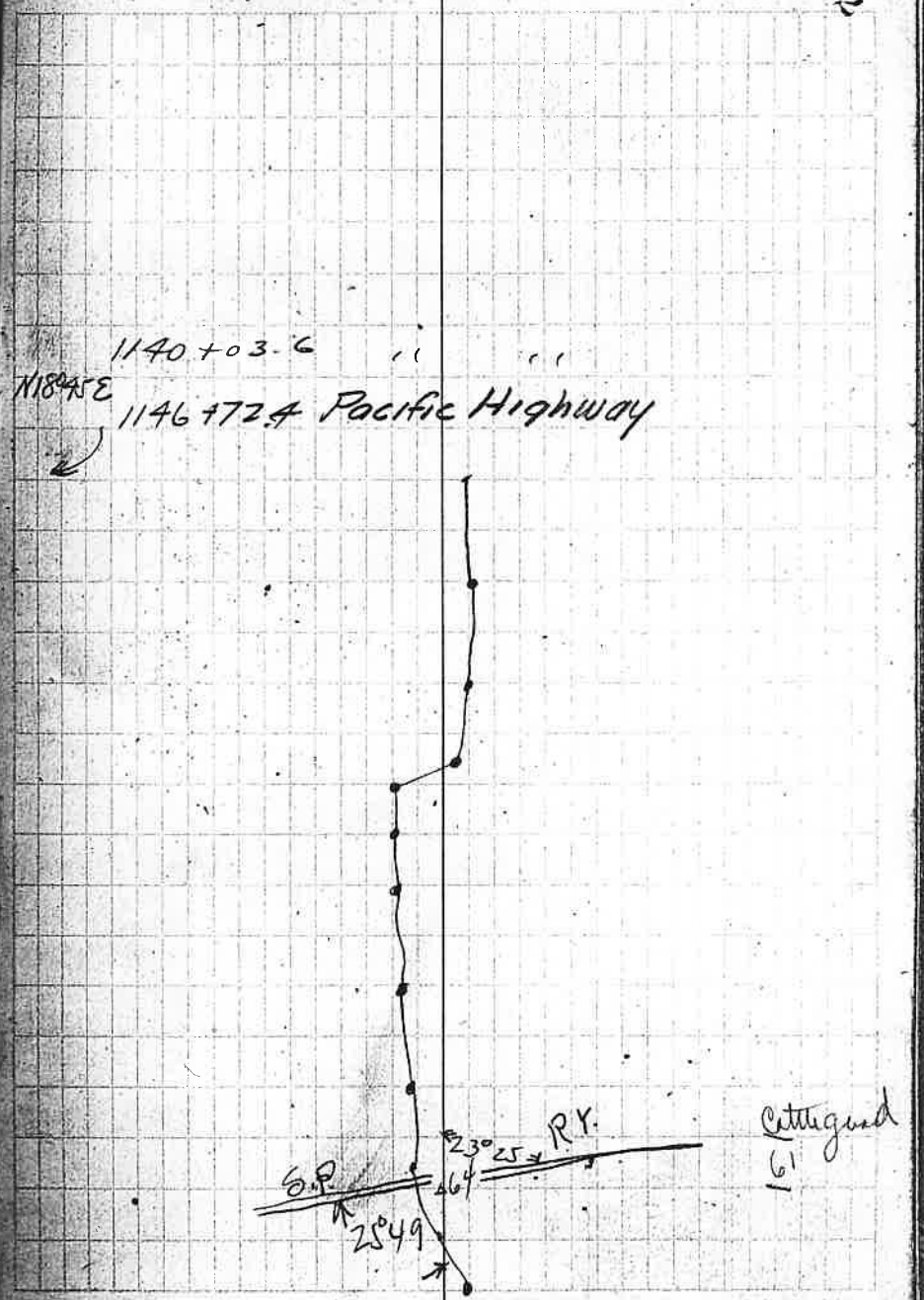
Sta	Dist	ΔL	ΔR	CC	MC
Δ49			25°44		
	137.9			N10°49E	N11°E
Δ48			0°47'		
	186.9			N10°02E	N11°E
Δ47		6°52			
	321.6			N16°04E	N18°E
Δ46		27°48			
	372.1			N44°42E	N45°E
Δ45		12°42			
	224.5			N57°24E	N58°E
Δ44			35°19		
	383.1			N22°05E	N22°E
Δ43			27°59		
	377.1			N5°54W	N5½°W
Δ42			11°25		
	246.8			N17°22W	N17½°W
Δ41		14°07			
	336.9			N3°15W	N6°W
Δ40			5°38		
	357.4			~~N8°23W~~ N10°08W	N11½°W
Δ39		20°49			
	350.7			1956 N10°41E	N19½°E
Δ38			17°04		
	405.8			✓5°08 N6°23W	N8°W
Δ37		5°57			
	540.3			~~N0°48E~~ N0°26W	N2°W



Sta	Dist	ΔL	ΔR	CC	MC.
Δ62		43°25			
	207.9			N19°29W	N18°W
Δ61		35°56			
	217.9			N26°27E	N24½°E
Δ60			40°46		
	202.1			N14°9W	N16°W
Δ59		18°06'			
	595.6			N3°47E	N4°E
Δ58			7°28'		
	483.1			N3°41W	N1°W
Δ57		9°00			
	304.1			N5°19E	N5½°E
Δ56			22°10		
	192.2			N16°51W	N16°W
Δ55		73°08			
	172.8			N56°17E	N57½°E
Δ54			31°28		
	154.6			N24°44E	N24½°E
Δ53			13°50		
	579.3			N10°59E	N13°E
Δ52			3°44		
	460.2			N7°15E	N8°E
Δ51		10°25			
	695.3			N17°40E	N18°E
Δ50		18°53			
	528.1			N36°33E	N34°E



Sta.	Dist	ΔL	ΔR	C.C.	M.C
Δ72					
				N19°17E	N21°E
Δ71			0°05		
	141.4			N19°12E	N20½°E
Δ70			7°02'		
	965.3			N12°10E	N14°E
Δ69			14°54		
	435.5			N2°44W	N1°W
Δ68			0°13'		
	706.4			N2°57W	N2°W
Δ67			12°04		
	184.5			N15°01W	N14°W
Δ66		5°46			
	247.4			N9°15W	N8°W
Δ65			17°48		
	431.9			N27°03W	N 40°W
Δ64			8°53		
	305.0			N35°56W	N39°W
Δ63			16°58		
	212.1			N52°54W	N55°W



Sta.	Dist	ΔL	ΔR	CC	MC,

Sta	Dist	ΔL	ΔR	CC	MC
Δ9		18°31			
	308.3			N47°48E	N46½°E
Δ8			1°08'		
	303.9			N46°40E	N67E
Δ7			90°08'		
	552.1				
				N43°28W	N44°W
Δ6			32°36'		
	250.2			N76°04W	N75°W
Δ5			65°08		
	165.8			S38°48W	S38½°W
Δ4			2°51'		
	471.9			S35°57W	S36°W
Δ3		15°52'			
	560.8			S51°49W	S51¾°W
iron pin			17°17'		
	185.5			S34°32W	S37°W
Δ1		20°03'			
	169.7			S54°35W	S55°W
0+00			91°08'		
				S36°33E	

Water Co. Winchester 1946

91°08R

1st pier Wagin Bridge

Δ7

N end wide part of Dam

82°48'
78°27'
74°07'
82°05'
78°W

NW Cor Powerhouse

West End ret wall

4+78 MP578 (1019+24)

3+35 waters edge

2+45.1 135' steel span

1+25.8 b.h.

23°45-1-10

on & O&C.

10-22-17
to
10-24-17

iron pin

Δ4 9.95 2" iron pipe

91°17'

iron pin

S54°43W
135.0
N°06

Δ3

85°41'

anchor post

30'

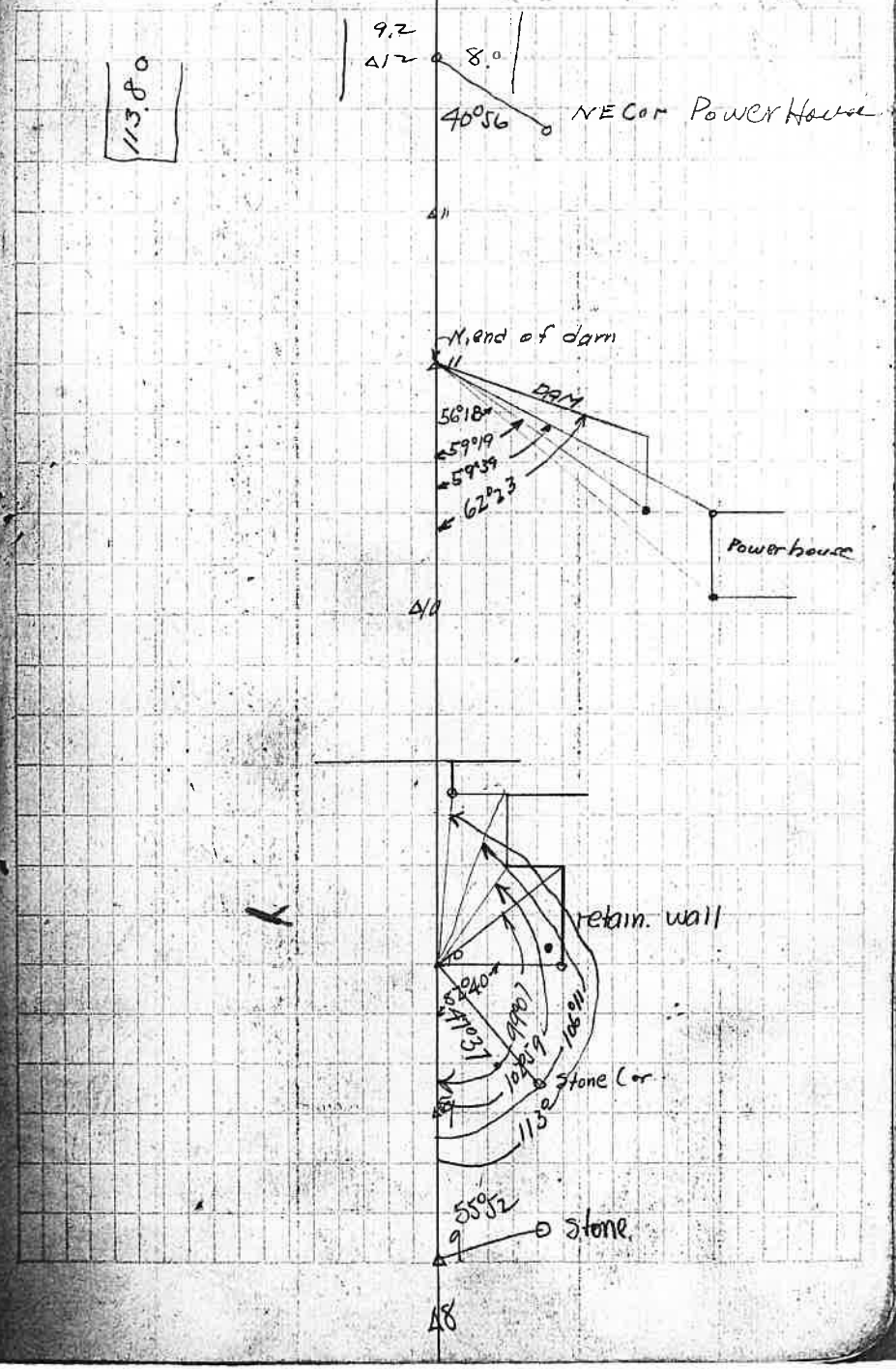
waterman's

Δ2

53.3

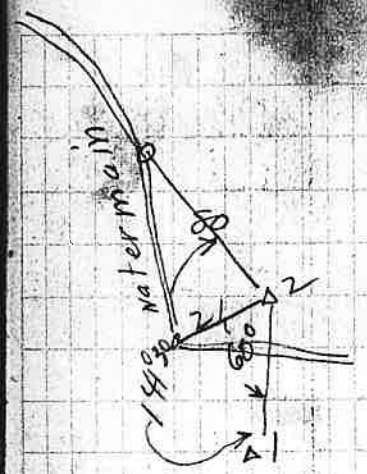
Δ1 10.7 fence

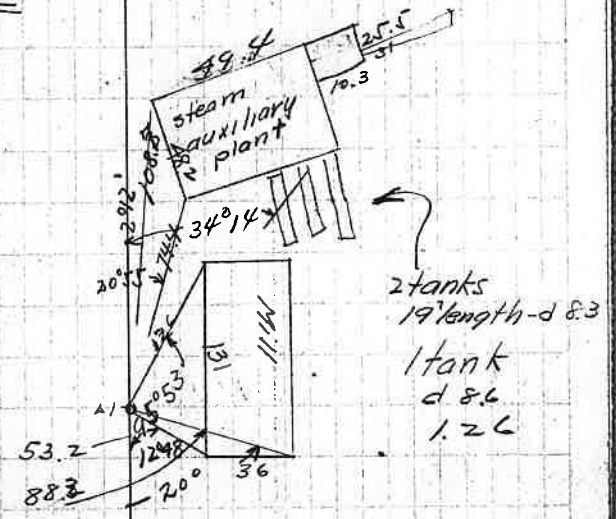
Sta	Dist	ΔL	ΔR	CC	MC
	609.8			S36°34E	S35°E
Δ12	on Highway Bridge		94°44		~~S35~~
	557.3				
				N48°42E	N48½°E
Δ11			27°41		
	315.1				
				N21°01E	N27°E
Δ10		8°18'			
	451.5			N29°19E	N27½°E

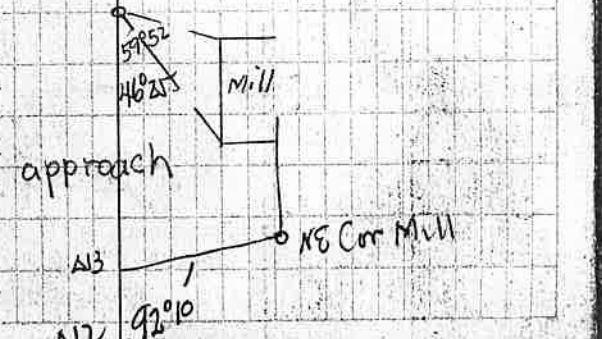


Sta	Dist	ΔL	Δ R	CC	M.C.
	129.9			N86°04W	N85°W
Δ2			43°05'		
	106.0			S50°51W	S51°W
Δ1		28°12'			
	457.1			S79°03W	S81°W
0+00			115°36'		
				S36°33E	
0+00					
	331.4			S36°30E	S31°E
Δ13			0°04		

Winchester



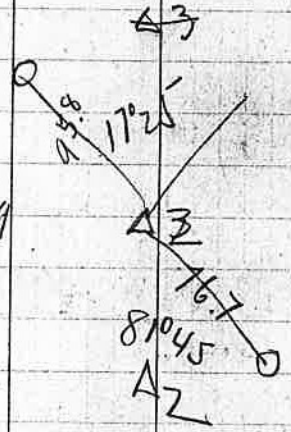




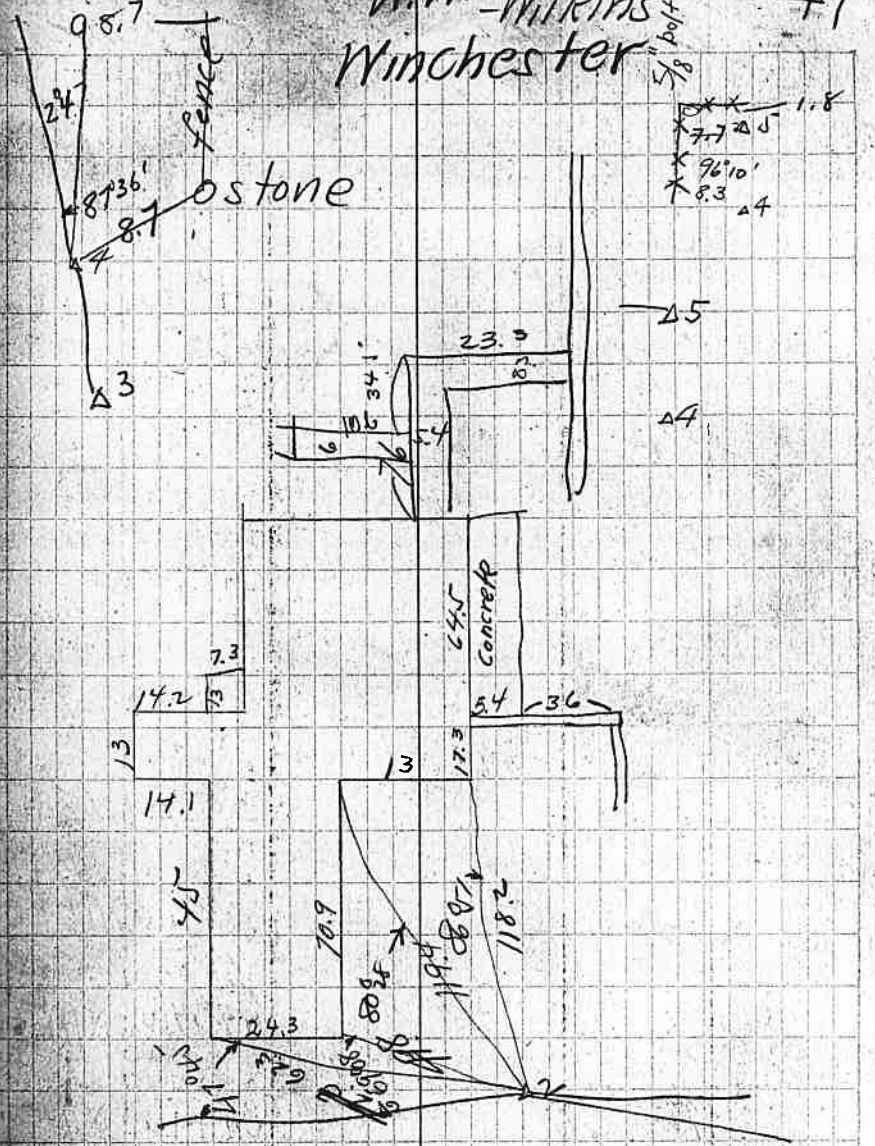
Δ10-36 send approach

Sta	Dist	ΔL	ΔR	CC	M.C
Δ6		78°30'			
	183.2			S49°35E	S49°E
Δ5			1°32'		
	128.5			S51°07E	S50°E
Δ4		97°12			
	365.6				
				S46°05W	S47°W
Δ3		47°51			
		retaining wall			99.1
					14°46'





W.W. -Wilkins
Winchester



Sta	Dist	ΔL	ΔR	CC	MC
Δ9					
	568.7				
				S0°17W	S1½°W
Δ8		89°18'			
	3114.2				
				S89°35W	S87°W
Δ7			89°15'		
	1191.5			S0°20'W	S0½°W
Δ6		1°04			
	358.7			S1°24W	S1°W
Δ5		114°14'			
	1608.7			N64°22W	N66°W
Δ4		0°31			
	1208.0			N63°51W	N65½°W
Δ3			6°26		
	443.7			N70°17W	N71½°W
Δ2			1°27		
	1727.4			N71°44W	N71½°W
Δ1			18°28		
	1258.3			S89°48W	N89°W
0+00		88°31			
				N1°41W	

Eden bower N1°41'W 1948 50 meter

Δ9 —— Δ8 823 0

10-25-17

5768.7

4+32.5

end of 2" main 0+47 - TOR

Fleser
Wilkins
Kirk
Crabtree

136 22+70
15.8 11+70
(16.4) 9+16

2" 14.5

22 3+08

2" 24.3 4+36

2+20 end 4" main

Center of Ry track 19½ 2+40

22

Sta	Dist	ΔL	ΔR	CC	MC
Δ3					
				N73°0SW	N73½°W
Δ2		69°44'			
	374.4			N13°21W	N4°W
Δ1			57°08		
	91.7			N60°29W	N61½°W
0+00 = Δ5			3°53		
				N64°22W	
Δ4					
Δ1					
	815.5			50°38E	53°E
0+00			89°47		
				N89°35E	

Edenbower 1949 51

Finished
10-25-17
2 PM

on Vinegar Hill.

20' Road

5+08 meter

Δ7

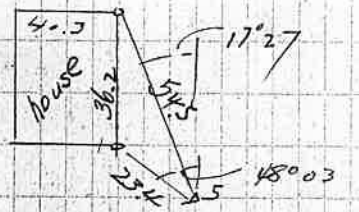
Δ8

Sta	Dist	ΔL	ΔR	CC	M.C.
witness tree.					
.	47.0			N13½°55W	N13½°W
Δ3		82°57'			
	483.2			N69°02E	N68½°E
Δ2			8°06		
	482.4			N60°56E	N61°E
Δ1			53°22'		
	465.8			N7°34E	S9°E
0+00		135°53'			
				S36°33E	

Winchester 1950 52

Traverse along left bank N. UMPQUA to Cor. of Secs. 19, 24, 25, 30 T26S, Rs 5 & 6W

10-25-17 P.M.



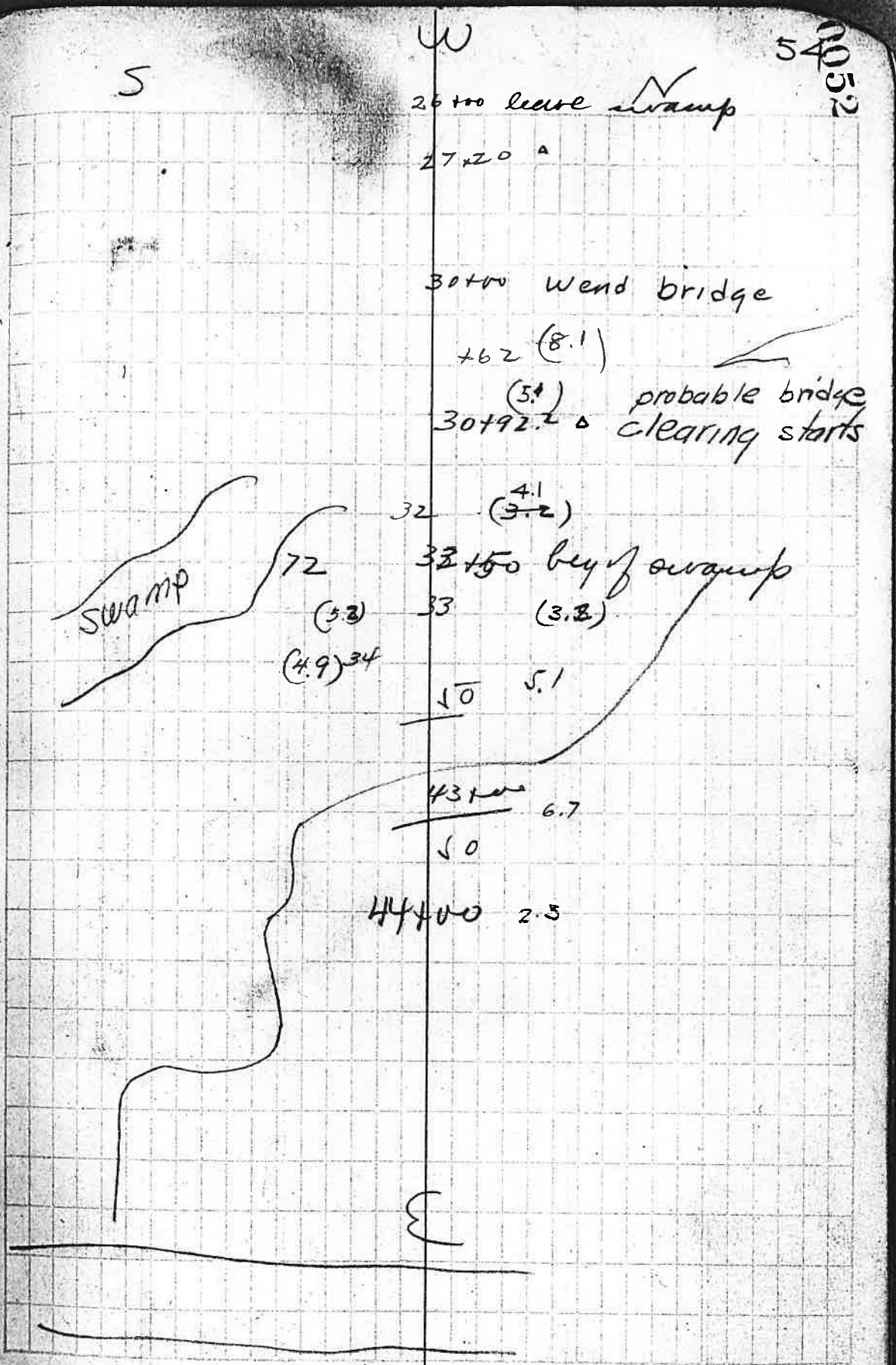
Witness Cor. Secs. Δ4

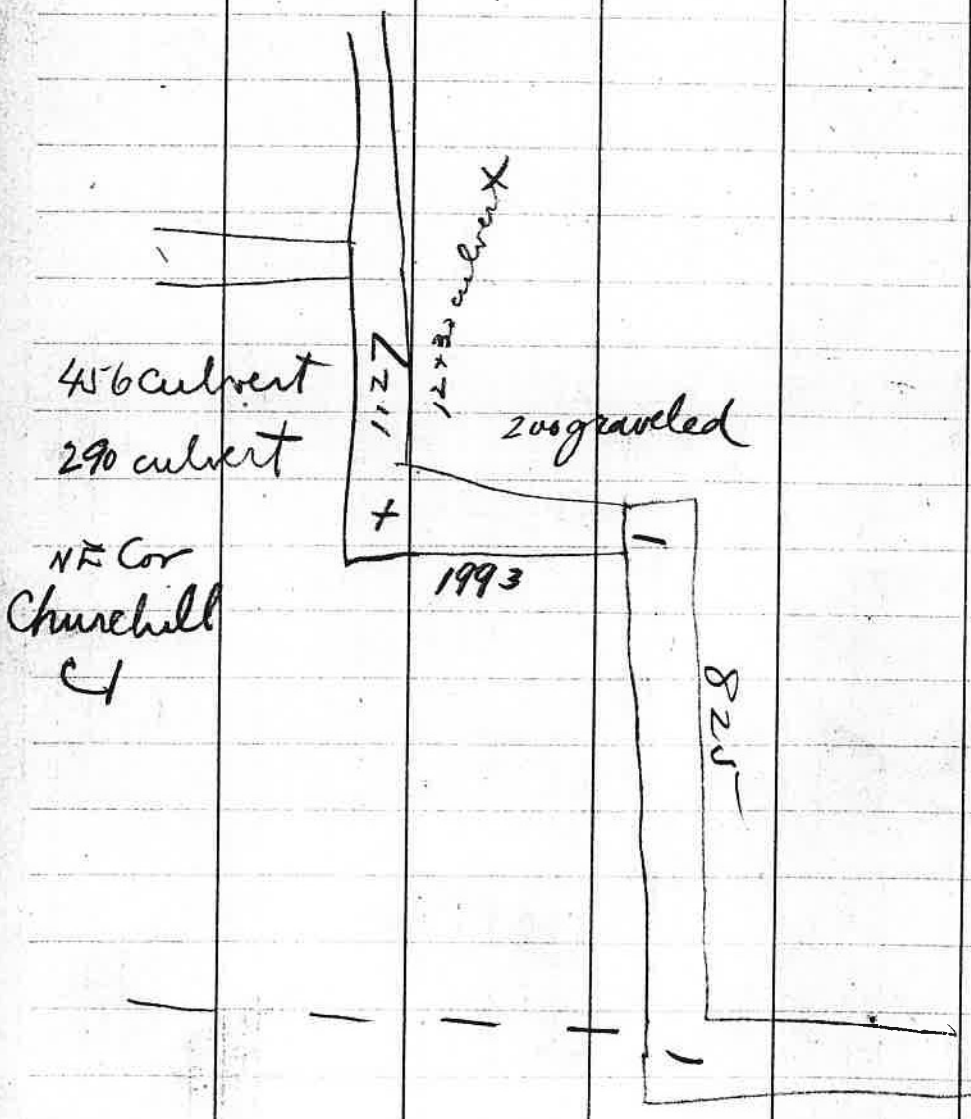
41 to bank Δ2

27' to bank Δ1

Sta	Dist	ΔL	ΔR	C.C	M.C

Shambrook Road


S
W
N
26+00 leave swamp
27+20 Δ
30+00 W end bridge
+62 (8.1)
(5.1) probable bridge
30+92.2 Δ clearing starts
32 (4.1 / 3.2)
33+50 bey of swamp
swamp
72
(5.2)
33 (3.8)
(4.9) 34
10 5.1
43+00 6.7
10
44+00 2.5
℄


456 culvert
290 culvert
NE Cor
Churchill
C 1
1177
12 x 32 culvert
200 graveled
1993
825

Shambrook

C953
5

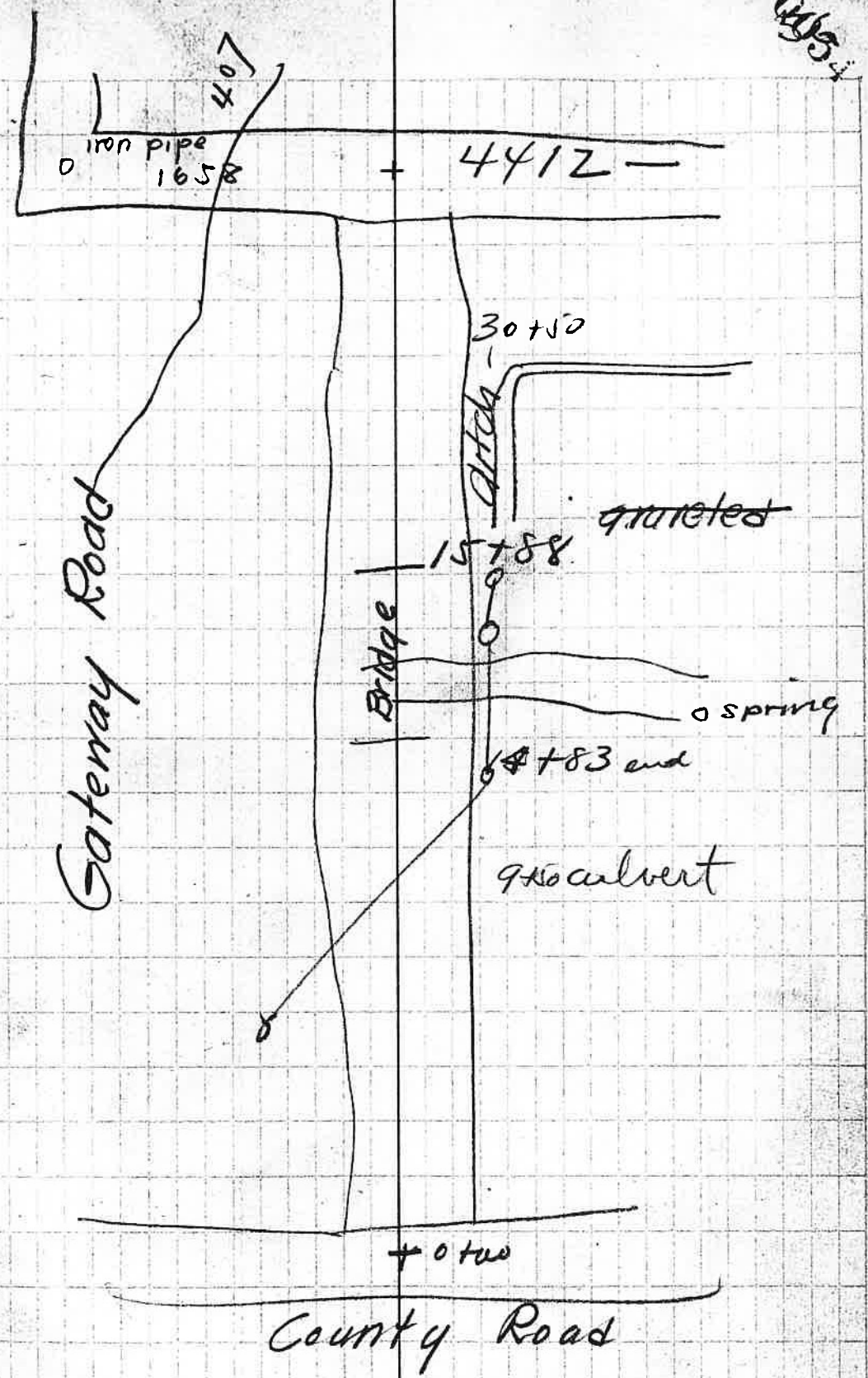
120
16
600
720
20
19800

6+00 1.4
7+15 √.7
8+00 √.0
9+00 5.4
10+15 5.4
11+00 3.5

12+00 2.0
13+00 3.9
14+00 5.2
15+00 4.9
16+00 4.9
17 4.2
18+00 B.4

20+05 ▲

Fleser. π
J. Shambrook chain
F.F. Fortin "
D. Shambrook rod.


40
iron pipe
1658
+ 4412
30+50
Gateway Road
Artch
granited
15+88
Bridge
spring
+83 end
9+50 culvert
+0 two
County Road

Sta.	B.S.	H.I	F.S.	Elev	
BM	6.85	106.85		100	
+ 19			7.7	99.2	
* 6+00	3.50	105.27	5.08	101.78	
in draw			10.3	95	
⊼	6.50	105.20	6.57	98.70	
*	4.04	104.76	4.48	100.72	
⊼ bottom ditch	4.22	103.38	5.60	99.16	
			7.5	96	
⊼	3.78	101.28	5.88	97.50	
⊼ bott draw	4.20	99.94	5.54	95.74	
			7.2	92.7	

Levels on Gateway Road

Shambrook 10/29/17

Fleser
D. Shambrook.

90.70
6.30
96.20
4.48
100.72
4.04
104.76
3.60
99.16
4.22
103.38
3.88
97.50
3.75
101.28
3.54
97.74
4.20
99.94

101.77
3.30
105.07
6.37
98.70

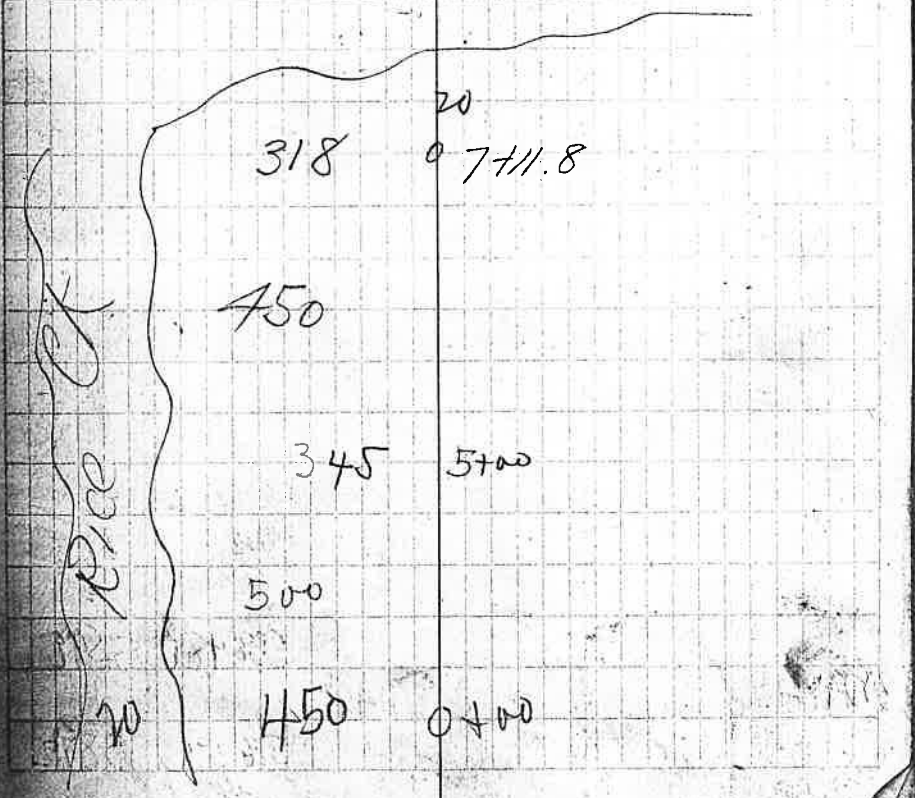
do

106.04
7.12
98.92

Survey of Willis Ck. 58 U.S.
Road for Rice Bros.

Nov 5, 17
Fleser
A.E. Rice
Abe "
— Tracy
Jim Stowers.

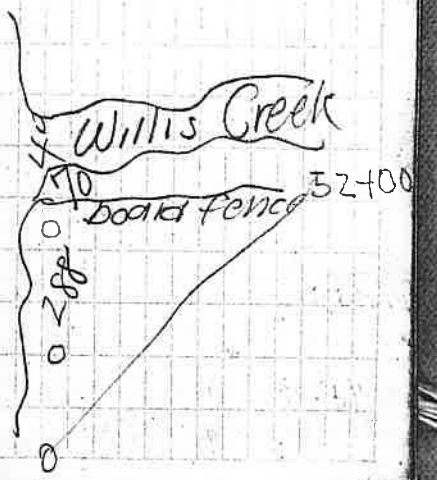
Sta	Dist	ΔL	ΔR°	C.C.	M.C.
39+67.3			3°13'		
				S89°50E	East
23+98.4		39°12'			
				S50°38E	S50°40E
22+26.8			17°37		
				S68°5E	S68½°E
19+21.2		21°01'			
				S47°14E	S47½°E
16+18.0		5°30			
				S41°44E	S42E
13+75.7		5°38			
				S36°06E	S36¼E
10+83.6			7°37		
				S43°43E	S43¾°E
8+65.7			5°36		
				S49°9E	S50°E
7+57.5			47°05		
				N83°36E	N83½°E
Δ6+76.2 ΔZ			53°25'		
				~~N30°11E~~ ~~N35°17E~~	~~N30°E~~ ~~N35°E~~
~~Δ45°~~		~~22°05'~~ ~~17°39~~			
	2 50.0	150°39 ~~149°54~~			
0+00				N52°36E	N52½°E
				S22°55W	S22°W



59
60.57

Sta	Dist	ΔL	ΔR	CC	MC
40+84.4			27°49'	S58°48E	S59E
				S58°37E	S57E

46+41.5
Germond's 44+28.6



Willis Ck. Road
Nov 6, 17
Cloudy.

Sta	Dist	ΔL	ΔR	C.C.	MC.
				S17°58 W	
~~94~~ 93+35.3			26°00	~~S9°43E~~ S8°02E	S10°E
97+62.2		37°13		~~S27°30W~~ S29°11 W	S27°W
~~89~~ 89+70.2			0°16'		
85+41.6			21°04	~~S26°10W~~ S7°57 W	S6°W
77+32		14°36		~~S20°46W~~ S22°27 W	S21°W
73+82.6		21°02		~~S44°48W~~ S43°29W	S41½°W
72+60.2			11°10'	~~S30°58W~~ S32°19W	S30°W
71+00			28°38'	~~S2°W~~ S3°41 W	S2°W

93+75

24+83

Sta	Rod	B.S	H.I	Grade F.S	Elev
0+00		5.90	105.90		100
1+00	8.5			100	97.4
2+00	8.4			100	97.5
+50	4.6			100	101.3
3+00	2.0			102.5	103.9
⇈		11.51	116.85	0.56	105.34
4+10	9.3			107.5	107.6
5+00	6.8			112.5	110.1
~~6+00~~		9.80	126.26	0.39	116.46
6+00	7.2			117.5	119.1
6+76	6.1			118.4	120.2
7+00	3.8			118.7	122.5
+57		10.08	130.24	6.10	120.16
8+00	8.3			117.5	121.9
+65.7	4.0			114.2	126.2
9+00	13.4 3.8			112.5	116.8
⇈		1.65	120.51	1.38	118.86
⇈		0.22	111.40	9.33	111.18
10+00	4.5			107.5	106.9
⇈		1.53	102.70	10.23	101.17
+83.6	8.9				93.8
11+00	9.3	∞		102.5	93.4
⇈		2.22	95.94	8.98	93.72
12	5.5			99.5	90.4
13	3.4			95.5	92.5

Willis Ck Road 1959 61

Nov. 7, 17

Fair

		5.4	5.1	5.0		
		7.4	6.3	5.0		
		8.3	6.7	4.7		
		8.8	6.4	4.1		
		9.6	~~7.6~~	5.0		
		9.0	6.9	5.2		
		9.7	7.4	5.1		
		8.0	6.4	4.3		
solid rock	14.0 10.2	9.3	8.6	5.2	2.5	
+58	14.9	12.3	5.5	3.7		
	18.2	5.8		2.8		
Solid rock	13.7	9.4		2.9		
	15.9	9.1		2.1		
	12.5	8.3		3.6		
	10.1	8.5		4.6		
	10.4	7.5		2.3		

006062

Sta	Rod	BS	HI	ES	Ele
+75.7		2.11	96.75	1.30	94.64
14	1.1			93.5	95.7
15	5.5			93.7	91.3
16	3.5			93.8	93.3
+18		6.20	100.00	2.95	93.80
17	7.9			94.0	92.1
18	6.1				93.9
		2.56	96.85	5.71	94.29
19	1.7				95.2
+	2.6				94.3
20	4.8				92.1
21	2.7				94.2
		4.82	99.14	2.53	94.32
22	2.3				96.8
+26.8	4.4				94.7
23	3.8				95.3
+98		5.45	98.98	5.61	93.53
25	5.1				939
26	5.6				93.4
27	6.0				93.0
28	3.5				95.5
29	4.5				94.5
30	4.4				94.6
31	2.0				97.0
+	0.3				98.7
		1.90	97.03	3.85	95.13

11.8	6.6	2.5	
8.5	7.1	3.3	
9.3	7.2	2.8	
8.1	7.0	3.1	
10.3	8.0	3.9	
11.2	8.5	4.7	
6.2	5.6	4.5	
7.7	6.7	4.5	
10.7	7.1	2.8	
9.7/10	6.6	2.8/10	

end of brush

Willis Ck Road 0051 63

Sta	Rod	BS	HI	FS	Elev
32	-0.2		97.03		97.2
33	2.1				94.9
34	4.2				92.8
35	4.6				92.4
36	4.1				92.9
37	4.5				92.5
38	4.0				93.0
39	3.2				93.8
40	2.4				94.6
41	1.3				95.7

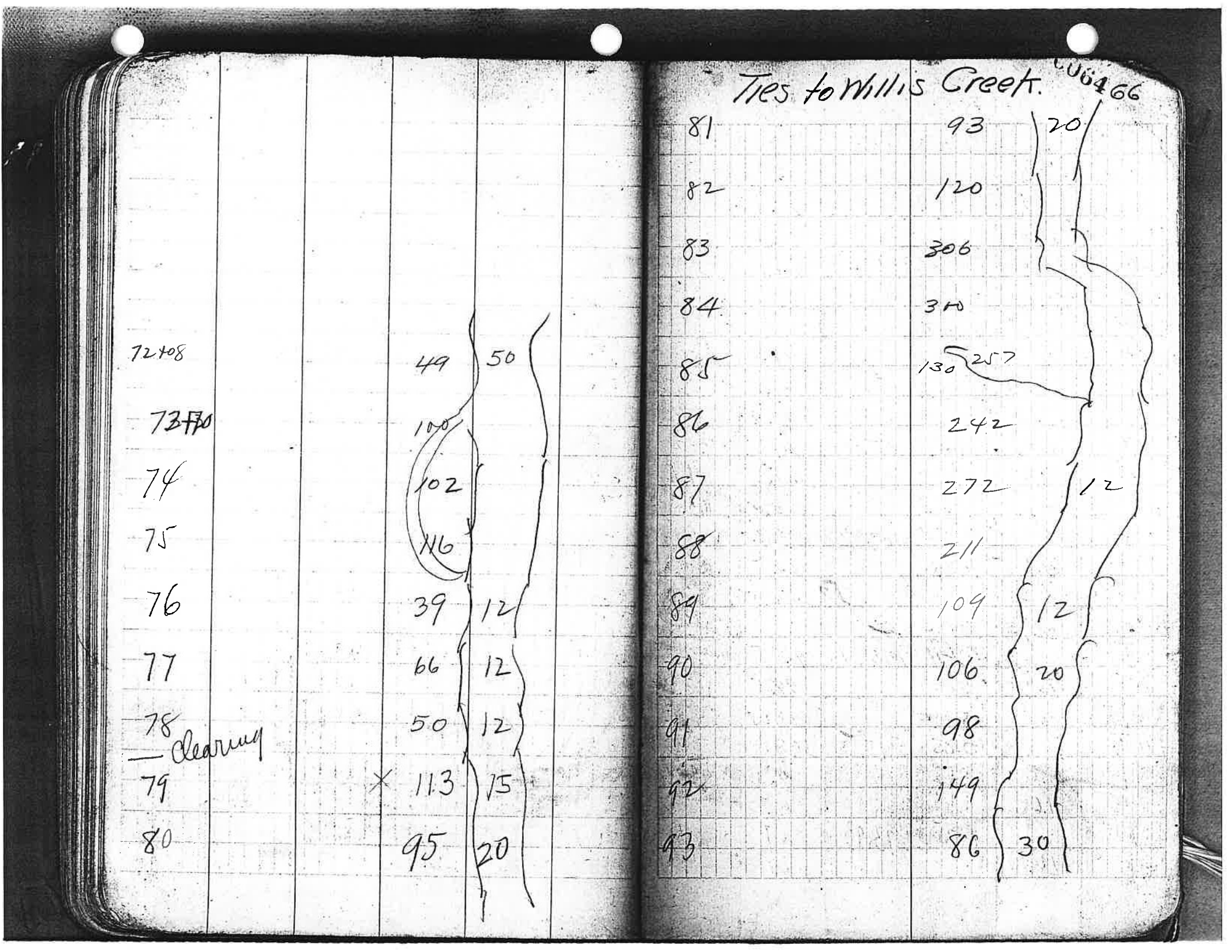
Finished NOON
Nov. 7, 17.

Levels on proposed road. 64

Sta	Rod	BS.	HI.	FS	Elev
71		7.22	107.22		100
72	2.5				104.7
+60.2	4.7				102.5
73	5.8				101.4
+ ⊼		5.45	110.61	2.06	105.16
74	6.6				104.0
75	5.6				105.0
76	2.6				108.0
~~77~~ ⊼		4.85	115.10	0.36	110.25
77	5.5				109.6
+32	4.7				110.4
78	3.3				111.8
⊼		12.4	125.72	1.78	113.32
79	11.3				114.4
80	9.7				116.0
81	12.4				113.3
82	12.3				113.4
83	6.4				119.3
84	1.2				124.5
+60	2.9				122.8
85	0.0				125.7
⊼ +41.6		6.91	130.59	2.04	123.68
86	2.6				128.0
87	3.0				127.6
88	5.8				124.8

Sta	Rod	BS	HI	FS	Elev
89	0.6				130.0
+70		0.53	130.17	0.95	129.64
90	3.8				126.4
91	9.0				121.2
+62.2		0.0	124.70	5.47	124.70
92	2.7				122.0
93	5.7				119.0
94	10.2				114.5
4	10.2				114.5

0063 65


Ties to Willis Creek.
72+08
73+00
74
75
76
77
78
— clearing
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
49
50
100
102
116
39
12
66
12
50
12
113
15
95
20
93
20
120
306
310
130
257
242
272
12
211
109
12
106
20
98
149
86
30

Sta	Rod	B.S.	H.I.	Grade F.S.	Elev.
0+00		0.40	100.40	100	100
1+00	5.2			97.5	95.2
2+00	8.7			95.0	91.7
3	10.9			92.5	89.5
4	11.5			92.5	88.9
~~5~~		10.90	101.49	9.81	90.59
	12.7				88.8
5	11.9			92.5	89.6
6	9.3			95.5	92.2
7	7.2			98.5	94.3
		10.71	105.03	7.17	94.32
8	3.2			101.5	101.8
+46.3	1.7			102.9	103.3
		2.57	107.17	0.43	104.60
9	3.1			104.5	104.1
440	4.2			102.5	103.0
+90.8	3.9				103.3
		2.99	125.81	4.35	102.82
10	2.2			99.5	103.6
+25	8.5			98.25	97.3
+70		0.85	95.85	10.81	95.00
11	7.5			94.5	88.4
+36	11.6			92.7	84.3
		6.75	93.93	8.67	87.18
12	4.9			89.5	89.0
10+83 my location				00	93.93

Levels on Germond's Road 6.5.67

full clearing to 13

half to 18

full 21+61 22

half

45°48' 45 51

42°50' 45 5.1

40.8°

35 ft to river in elev

	− 2.3
	− 3.3
	− 3.0
	− 3.6
	−2.9
	−3.3
107.17	−4.2
	+0.3
	+0.4
−0.4 +0.5	
+4.1	
−1.0	
−6.1	
−0.5	

= 93.8

Sta	Grade	℄ Ground
6+00	95.5	92.2
7+00	98.5	94.3
7+50	100.3	100
8+00	101.5	101.8
+50	103.0	103.3
9+00	104.5	104.1
+40	102.5	103.0
10	99.5	103.6
+25	98.3	97.3
+60	96.5	
11	94.5	88.4

Willis St Road 006668

℄

X Sections on Germonds Road.

-4.1 91.4 6.7 | -3.8 94.7 5.0 | +1.5 98.8 7.7 | 7.0 100.6 5.0 | 8.5 98.4 0.8

-3.3 92.2 5.9 | -4.2 94.3 5.4 | -0.3 100 6.5 | +0.3 101.8 5.8 | +0.3 103.3 3.6 | -0.4 104.1 13.0 | +0.5 103.0 17.3 | +4.1 103.6 12.5 | -9.0 97.3 13.5 | -6.1 88.4 7.9

-2.4 93.1 5.0 | -4.4 94.1 5.0 | +0.6 100.9 5.7 | +1.1 102.6 5.0 | 106.1 0.8 | +6.6 111.1 6.0/10 | +5.5 108.0 12.3/4 | +11.5 111.0 5.1/9 | +8.0 106.3 4.5/16 | -1.9 92.6 3.7/10

+3.1 | +9.5 114.0 3.1/10 | +12.5 115.0 3.5/14 | +17.8 120.3 00/20 | 116.1 16.6 00/17 | +12.5 110.8 00/14

0 -7.9 86.6 9.7/10

Sta	Dist	ΔL	ΔR	CC	MC

Sta	Dist	ΔL	ΔR	C.C.	M.C.
	139.7			N75°E	
5/8" bolt		101°03			
	133.3			S53°57E	
Δ10		54°57'			
	347.4			S51°W	
Δ9		25°35'			
	293.8			S76°35W	
Δ8			45°30'		
	390.4			S31°05W	S32°W
Δ7		22°05			
	182.3			S53°10W	
Δ6		~~2°37~~	2°37		
	123.7			S50°33W	S52½°W
Δ5			21°15'		
	120.9			S29°18W	
Δ4		117°32			
	80.2			N33°10W	
Δ3			177°32		
	1936			S30°42E	S29½°E
Δ2		173°26			
	776.4			N37°16W	
Δ1		0°43			
	331.4				
0+00				N36°33W	

18" Beech S78°E - 27.5

18" " " N33°W - 16.9

206-144

93°50'
10 20C
N35°10W stump

stone

49°24

8

185.2

188 - 9°50

witness tree

(N14°E mag.)

7°50 - 23.7 + 155.6

118.38

22°27E

Δ7

53°30

Δ3

195.8 - 8°40

In Co Road

2

P.H. nub

Sta.	Dist	ΔL	ΔR	C.C.	M.C.

Field Book No. 36

Pages 69A - 77 Blank

$$\cos\alpha_2 = \frac{a^2 + b^2 - c^2}{2ab}$$

Field Book No. 36

Pages 78 & 78A Blank

Fred Neal

18		1/2	- 1 meal
19		1	- 2 meals
20			

Virgil Hinkle

18		1	- 2 meals
19		1	- 3 "
20			

R. L. Crabtree

18	Ry fare 50¢	1	- 2 meals
19		1	- 3 "
20			

John Kirk

18	Ry fare 50¢	1/2	- 1 meal
19		1	- 3 meals
20			

R. H. Fleer

18	Ry fare 50¢	1	- 2 meals
19		1	- 3 "
20			

S89°E

telephone .70
" .25
nails .10
" .10
" .10

Ply for 3 t. $1.50

2.75

Iron Water main
" " House
Measure to Pearson Cor
Set Cor. at angle