1871

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be 30.6+(20—16)÷2 or 2 ft. added to 30.6 =32.6. For slopes of 1 on 1½ see inside of back cover.

INDEXED
to page # 76

This Field Book is manufactured of a High Grade 50% Rag Paper having a WATER RESISTING SURFACE, and is sewed with Bing Special Enamel Waterproof thread.

Made in U. S. A.

Page

1–18 X sec. Dawes, Chalcedony to Loring

19–28 X sect. Wilbur St. – Cass to W line No. Shore Highlands

29–51 X sect. Dawes St. Garnet to Pacific Beach Dr.

52– X sect Haines St. Garnet to Roosevelt. (see FB 1998 also)

57–58 Additional notes Alleys Block 5 (223 Braemer Pacific Beach)

Bench Marks

For Asst of Dawes and Wilbur

B.M. SW BP				66.46	
BM chisel Cross Top of Lower step				77.96	F.B. 1808-31
BM NW 7" disk				83.91	"
BM chisel Cross				96.51	"
BM chisel Square ⌑				103.70	"
BM "	"	"		90.46	"
BM "	"	"		81.82	"
BM	0.75	82.57		81.82	
T.P.	1.99	74.55	10.01	72.56	
check to SW BP			8.16	66.39	66.40 (.001)

Cass and Law F.B. 1765

NW Cor Law & Dawes

Beryl & "

NW Cor Porch on S.E Cor. Wilbur & Dawes

Ctr. S.W. Ret Loring & Dawes

" S.E. Ret " & Cass

" " " Wilbur " "

chisel ⌑ on S.E. Ret. Cass and Wilbur

Cass & Law

Xsec Davies St 80 wide

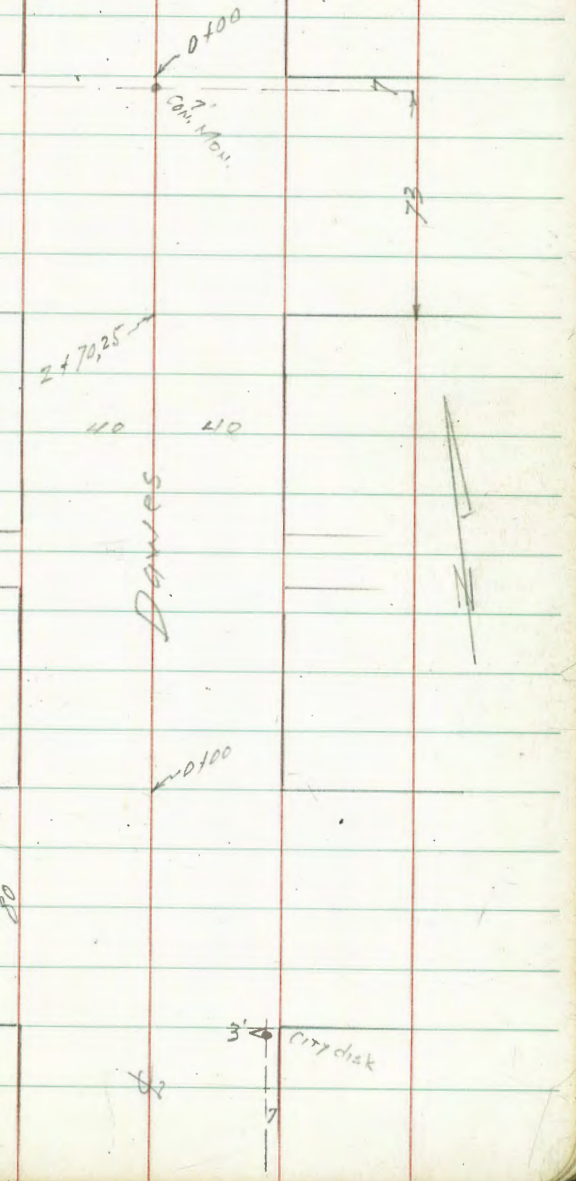
Chalcedony to Loring

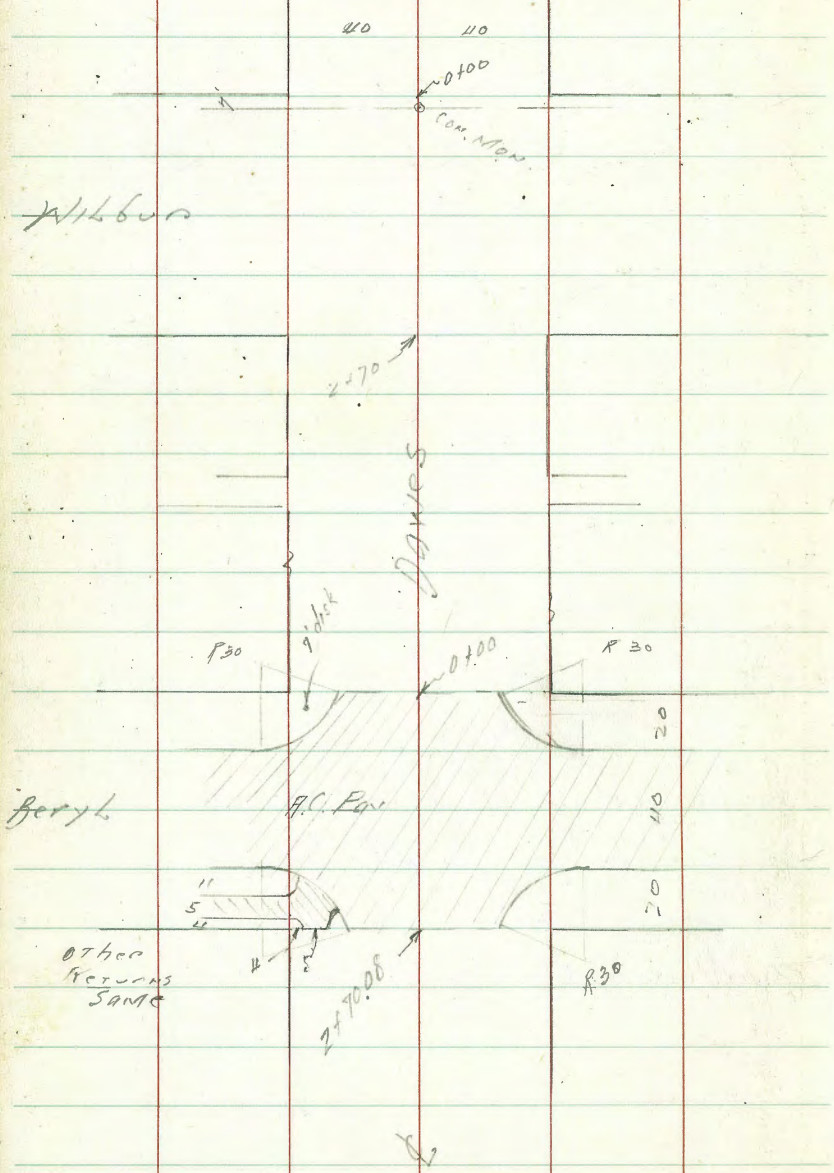
W.O. 31569

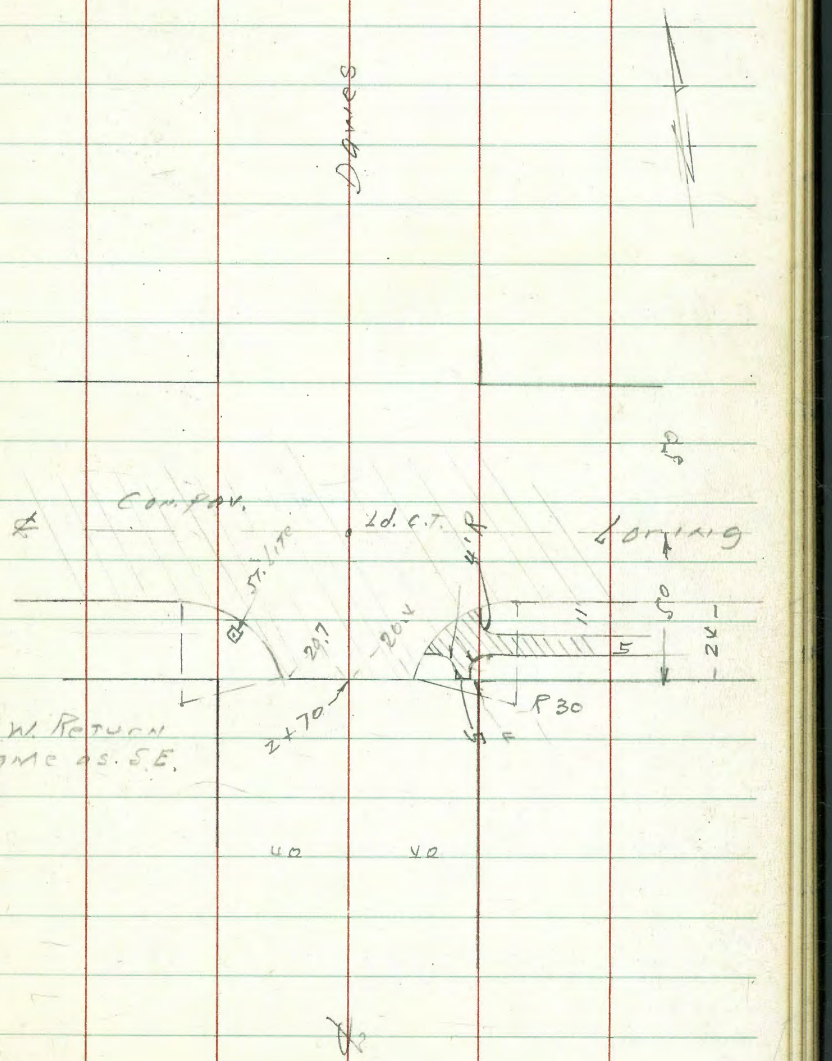
Moore
Sherman
Bunch
8-25-48

Low

Notes reduced - Sept 8, 1948 - Mc Clear




40
40
0+00
Con. Mon.
Wilbur
2+70
James St.
9 ditch
P30
0+00
P30
Beryl
A.C. Pav.
Other Returns Same
1+70.08
R30


Dawes
Con. Pav.
Ld. C.T.
Lorring
St. Line
28.7
20.4
2+70
S.W. Return Same as S.E.
P30
40
40

1 sec Dawes Chalcedony to Lorimer

	+ H.I.	−	Elev
1+24	P.P. 4824		
1+00			
0+86	Beg. Bd. fences		
0+83	N edge Con. & gar.		
0+69	S. edge Con. drive & gar.		
0+50			
0+00	℄ Chalcedony		
B.M. Ch. X Top Lower step NW Cor Law & Dawes	0.81	78.77	77.96

℄ P.P.

P.P. 23

72.1 6.7 40 | 72.0 6.8 17 | 71.5 7.3 14 | 72.1 6.7 6 | 72.4 7.4 | 72.2 6.6 10 | 71.8 7.0 16 | 73.1 5.7 20 | 73.7 5.1 40

Fence 40

72.17 6.60 45.7 | 72.03 6.74 38.6

72.21 6.56 45.6 gar. | 72.02 6.75 38.9 drive

J.P. 4825 28.8

71.6 7.2 40 | 71.7 7.1 23 | 71.1 7.7 17 | 70.4 8.4 14 | 71.2 7.6 8 | 71.4 7.4 | 71.5 7.3 10 | 70.8 8.0 17 | 72.8 6.0 21 | 72.6 6.2 40

70.2 8.6 40 | 70.4 8.4 24 | 69.7 9.1 15 | 69.4 9.6 13 | 69.9 8.9 8 | 70.4 8.4 | 70.4 8.4 10 | 69.8 9.0 16 | 71.6 7.2 20 | 71.6 7.2 40

78.77

2+13 N. edge Con. Dr.

1+99 S edge Con. Dr. + gain on L

+60

1+45 Beg. Bd. fence 40.7 Rt.

+42

+28

1+25 end Bd fence 40 Lt.

78.77

74.07	73.94							
4.70	4.83							
49.5	39.6							
74.07	73.96	73.3	73.8	74.1	74.0	73.6	74.4	74.8
4.70	4.81	5.5	5.0	4.7	4.8	5.2	4.4	4.0
49.5	39.4	13	7		9	13	17	40
gain	drive							
72.9	73.1	72.7	74.1	73.6	73.4	73.0	74.2	74.5
5.9	5.7	6.1	4.7	5.2	5.4	5.8	4.6	4.3
40	17	13	8		9	15	18	40
72.9	72.8	72.5	73.0	73.3	73.3	72.8	73.8	73.8
5.9	6.0	6.3	5.8	5.5	5.5	6.0	5.0	5.0
40	16	13	8		11	16	20	40
	72.8	72.5	73.0	73.2	73.2	72.7	73.7	
	6.0	6.3	5.8	5.6	5.6	6.1	5.1	
	40	13	8		11	16	40	
	72.6	72.4	72.7	72.9	73.0	72.5	73.5	
	6.2	6.4	6.1	5.9	5.8	6.3	5.3	
	40	16	9		9	17	40	
72.5	72.8	72.1	72.6	72.9	73.0	72.5	73.8	74.0
6.3	6.0	6.7	6.2	5.9	5.8	6.3	5.0	4.8
40	16	14	8		9	16	22	40

78.77

0+71 S. edge Conc dr. & gar.

0+69 S. edge Conc dr. & gar.

0+66 end Conc Blk wall 40 Lt

0+48 Beg. Conc. Blk wall 40 Lt

0+20 To I.P. #29 29.5 Rt

I.P. 8.25 85.77 1.25 77.52

0+00 N.L. Conc

F.B. 1765 for intersection

2+70.75 S.L. Conc

2+50

2+23 40.5 Rt end Bd. Fence

2+18 To I.P. 488 29 Rt

78.77

80.20 80.87
5.57 4.90
42.5 55.6
dr.

78.69 78.64
7.08 7.13
47.9 38
gar. drive

78.7 77.6 78.1 78.4 78.0 77.7 79.3 79.1
7.6 8.2 7.7 7.6 7.8 8.6 7.5 7.7
40 16 9 10 77 24 40

85.77

76.9 76.9 76.7 76.7 76.9 76.9 75.9 77.8 77.8
1.9 1.9 2.6 2.1 1.9 1.9 2.9 1.0 1.0
40 25 16 9 8 16 23 40

74.9 74.6 74.4 74.9 75.1 74.9 74.6 74.9 75.9
3.9 4.2 4.1 3.9 3.7 3.9 4.2 3.9 2.9
40 17 14 8 8 14 17 40

74.5 74.0 74.6 74.8 74.6 74.7 75.5
4.3 4.8 4.2 4.0 4.2 4.1 3.3
40 14 6 9 13 40

7877

Dawes

1+45 Beg. Com. Blk Wall 40.1 Rt

1+43

1+28

+2C P.P. R+L

1+25 end Com. Blk Wall 40 Lt

1+00

0+8C Beg. Com. Blk Wall 40 Lt.

0+81 N. edge Com Sr. 4 gar.

0+80 N. edge Com Sr. 4 gar.

85.77

79.9 80.4 79.5 80.1 80.3 80.3 79.7 80.7 80.9 7
5.9 5.4 6.3 5.7 5.5 5.5 6.1 5.1 4.9
40 20 15 8 9 16 24 40

79.9 79.4 80.0 80.3 80.1 79.7 80.8
5.9 6.4 5.8 5.5 5.6 6.1 5.0
40 14 8 9 16 40

79.6 79.4 79.6 80.1 80.0 79.5 80.5
6.4 6.6 6.2 5.7 5.8 6.3 5.2
40 16 10 9 17 40
x 2 = 132 #
387
Tel. #90
79.5

79.7 79.6 79.1 79.6 80.0 79.9 79.4 80.8
6.1 6.2 6.7 6.2 5.8 5.9 6.4 5.0
40 19 17 8 8 16 40

79.1 78.7 79.1 79.4 79.1 78.7 80.1 80.1
6.7 7.1 6.7 6.4 6.7 7.1 5.6 5.6
40 14 9 11 17 24 40

78.69 78.67
7.08 7.10
48 38
24 dr.

80.29 80.89
5.48 4.88
42.5 55.6
dr. gar.

85.77

2+20 N edge Con. dr. ↓ gar.

2+12 S. edge conc drive ↓ gar.

T.P. NW 7" disk Beryl & Davies 2.43 86.34 1.86 83.91 83.91

2+08 end Con. Blk Wall 40 Pt

2+04 N. edge Con. dr. ↓ gar.

1+97 S edge Con dr. ↓ gar.

1+81 E 3' Con. Walk 39.1 Lt

85.77

83.46 / 3.68 / x0

83.24 / 3.10 / 57.3

83.56 / 3.78 / x0

83.24 / 3.10 / 57.3

86.34

81.4 / 4.6 / x0 — 81.4 / 4.4 / 2x — 80.7 / 5.1 / 15 — 81.0 / 4.8 / 10 — 81.4 / 4.4 — 81.4 / 4.4 / 8 — 81.00 / 4.8 / 15 — 82.0 / 3.8 / 24 — 83.4 / 3.4 / x0

81.30 / 4.47 / 59.7

81.14 / 4.63 / 39.2

81.33 / 4.44 / 59.2 / gar

81.07 / 4.70 / 39.2 / dr.

80.9 / 4.85 / 4.5 / Walk — 80.89 / 4.88 / 39.1 / Con. — 80.7 / 5.1 / 20 — 80.7 / 5.6 / 17 — 80.5 / 5.7 / 10 — 80.9 / 4.9 — 80.9 / 4.9 / 8 — 80.0 / 5.8 / 13 — 81.7 / 4.1 / 23 — 81.8 / 4.0 / x0

85.77

.5 c6 Beg L

2+70.08 SL Beg 6 on Pav. 82.4 3.9 40

+68 P.P. 4898 23.5 Lt and 29.3 Rt to Tel. P. 491

+44 & 3' Con. walk on Lt.

+33 & 5' Con. Porch

2 +31

2 +23 S edge Con dr. + gar.

86.34

83.54	82.04	83.17	82.64	83.14	82.31	83.15	83.32	83.87
3.80	4.30	4.17	3.70	3.20	3.13	3.19	3.02	2.47
50	50	40	20		20	40	50	50
c6	9+						9+	c6

82.36	81.91	82.36	82.83	83.86	82.67	83.32	83.8
3.98	4.43	3.98	3.51	3.48	3.67	3.02	2.5
21.8	21.8	10.9		10.9	21.8	21.8	40
ct.	G.	PAV.		PAV	G	ct.	

82.09	83.06	81.9	81.3	81.9	83.2	83.1	81.7	82.8	83.5
4.25	4.28	4.4	5.0	4.4	4.1	4.7	4.6	3.5	2.8
45	39.2	20	15	C		C	16	26	40
CON.	CON								

83.1	84.69
3.2	1.65
40	40.4
Lawn	Porch

81.90	81.67
4.44	4.67
59.2	39.2
	dr.
81.86	81.55
4.48	4.79
59.2	39.2
gar.	dr.

86.34

0+25	37.5 Lt. - Start 6d. fence.			
0+20				
0+10				
+ P.	11.33	95.24	2.43	83.91
0+00	N.L. Beryl			
	N c6 of Beryl			
	E Beryl			
		86.34		

86.5 86.7 85.9 86.7 86.3 86.3 86.3 88.0 88.0
8.7 8.5 9.3 9.0 8.9 8.9 8.9 7.2 7.2
40 25 15 10 10 18 20 40

86.1 86.3 85.7 85.3 85.7 85.3 85.8 87.4 87.9
9.1 8.9 10.0 9.9 10.0 9.9 9.4 7.8 7.3
40 27 18 11 10 23 24 40

95.24
T

85.7 84.1 84.0 83.50 84.17 84.43 84.50 84.24 85.0 84.9 86.8
0.6 2.2 2.37 2.84 2.17 1.91 1.84 2.10 1.32 1.4 40.
40 36 21.8 21.8 10.9 10.9 21.8 21.8 36 40
c6 97

83.54 83.79 83.00 83.53 84.0 84.00 84.0 84.13 84.90
2.80 3.55 3.34 2.81 2.37 2.34 2.32 2.21 1.40
50 50 40 20 20 50 50
c6 97. 97 c6

82.86 83.23 83.58 83.59 83.83
3.48 3.11 2.76 2.75 2.51
20 20 40

86.34

1+28

1+25

1+05 38° Lt = ℄ of 3° conc. walk.

1+00

0+84 37° Lt = End of bd. fence

0+67 29° Rt = Pole #92 (Telephone)

0+50

95.24

88.8	89.1	88.9	89.1	89.7	89.6	89.1	90.0	90.9
6.4	6.0	6.3	6.10	5.5	5.6	6.0	5.2	4.3
40	20	16	10		10	17	21	40

86.9	89.3	88.7	89.1	89.7	89.5	89.0	90.8	90.8
6.3	5.9	6.5	6.1	5.5	5.7	6.2	4.4	4.4
40	20	16	10		10	17	21	40

88.75 86.74
6.49 6.50
45.2 38
conc. walk.

88.6	88.6	87.9	88.3	88.9	85.8	88.1	90.5	90.1
6.6	6.6	7.3	6.9	6.3	6.4	7.0	4.7	5.0
40	19	15	10		10	17	21	40

87.1	87.5	86.7	87.1	87.5	87.6	87.1	88.8	88.8
8.1	7.7	8.5	8.1	7.7	7.6	8.0	6.4	6.4
40	20	14	10		10	17	21	40

95.24

		L	℄	R
2+17	30° Rt = Telephone Pole #93			
2+09.5	40° Rt = End of Conc. drive			93.40 1.84/40 Conc. drive; 93.88 1.36/45
2+01.5	40° Rt = Start Conc. drive			93.48 1.76/40; 93.85 1.39/45 conc. drive -
2+00		90.5 4.7/40; 91.1 4.1/18; 90.60 4.6/13	91.2 4.0/8; 91.7 3.5; 91.6 3.6/10	91.2 4.0/17; 92.4 2.8/22; 93.1 2.1/40
1+75		90.0 5.2/40; 90.6 4.6/17; 90.1 5.1/13	90.6 4.6/8; 90.8 4.4; 90.9 4.3/10	90.4 4.8/17; 92.1 3.1/20; 92.4 2.8/40
1+45	36.8° Lt = Start board fence	89.3 5.9/40; 89.6 5.6/19; 89.5 5.7/14	89.7 5.5/11; 90.0 5.2; 90.0 5.2/9	89.5 5.7/17; 91.4 3.8/20; 91.4 3.5/40
1+42		89.4 6.0/40; 89.5 5.7/19; 89.4 5.8/14	89.6 5.6/11; 90.1 5.1; 89.9 5.3/9	89.4 5.8/17; 90.0 5.2/20; 91.1 4.1/40
		95.24	95.24	

					L		℄		R	
T.P.	3.24	97.03	1.45	93.79						
2+94					90.8 4.4 40	92.7 2.5 14	92.9 2.3 9	93.3 1.9	93.3 1.9 10	93.0 2.2 17	93.7 1.5 40
2+90	S. Curb line of Wilber				91.9 3.3 40	92.8 2.4 18	92.6 2.6 13	92.8 2.4 8	93.2 2.0	93.2 2.0 8	92.8 2.4 17	94.1 1.1 22	94.6 0.6 40
2+70	S. Line of Wilber.				91.9 3.3 40	92.6 2.6 17	92.2 3.0 13	92.5 2.7 8	92.8 2.4	92.7 2.5 10	92.2 3.0 17	94.2 1.0 23	94.4 0.8 40
2+35					91.6 3.6 40	92.0 3.2 17	91.6 3.6 13	91.9 3.3 8	92.2 3.0	92.3 2.9 9	91.8 3.4 16	93.7 1.5 24	94.0 1.2 40
2+21	35.8 Lt = End board fence												
		95.24								95.24			

0+18	30.5 Ft. Tol. P. & Q.			
0+2x	℄ 4' Concrete Walk			
B.M.	C.Co. 10311		96.51	
of porch - S.E. Cor. Wilber & Dawes				
Checked to B.M. - Chisel X - Top		0.53	96.50	(96.51)
0+00 3+50	N. Line of Wilbur			
3+30				
3+26				
3+10	℄ of Wilbur.			

97.03

℄ ℄ ℄

93.51 93.61 93.67
9.60 9.50 9.xx
50 40 36

10311

P. 1

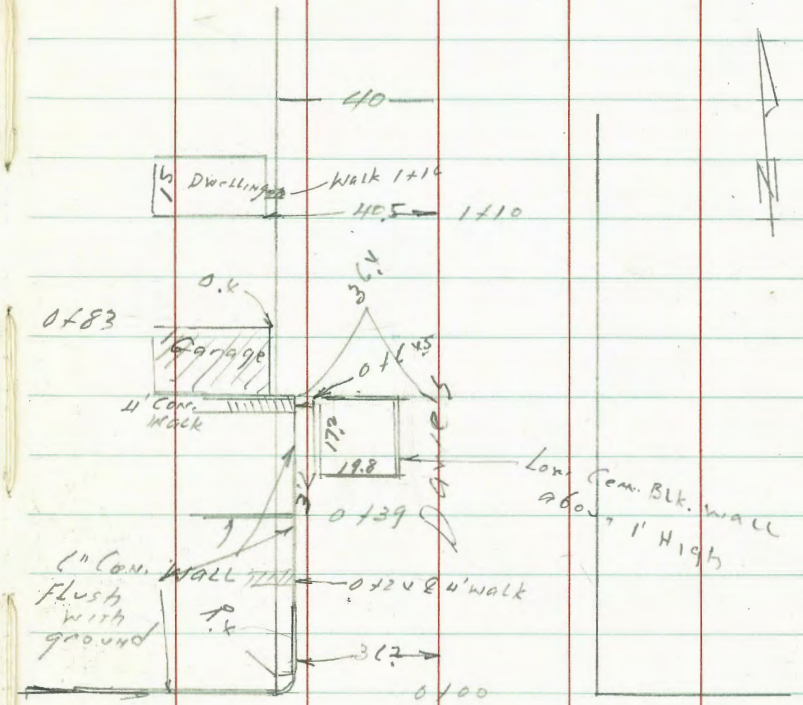
92.8	94.0	93.3	94.3	94.7	94.9	94.3	95.7	96.1
4.2	3.0	3.7	2.7	2.3	2.1	2.7	1.3	0.9
40	18	13	5		10	17	22	40

92.0	92.4	92.7	93.3	94.2	94.5		96.0
5.0	4.6	4.3	3.7	2.8	2.5		1.0
40	18	14	8		17		40

90.9	92.0	92.4	93.8	94.1	94.1		94.6
6.1	5.0	4.6	3.8	2.9	2.9		2.4
40	18	14	8		17		40

91.2	92.0	93.8	93.6	93.8	93.9	94.5	
5.8	5.0	4.2	3.4	3.2	3.1	2.5	
40	25	11		10	20	40	

97.03


40
Dwelling
Walk 1+10
40.5
1+10
0+83
0.k
Garage
4" Conc. Walk
17.4
19.8
Low Conc. Blk. Wall
about 1' High
0+39
6" Conc. Wall
0+12 v 8 v Walk
Flush with ground
T.k
3.67
0+00

Wibbus

+24	23.3 Lt P.P. 497 x
+23	30.5 Rt Tel P #95
1+16	37.7 Lt ℄ 3' Con. walk
1+14.3	29.7 Lt Beg. Picket fence
L+14	end Lath fence 26.7 Lt
0+83	
0+82.5	28.7 Lt. Beg. Lath fence
0+64.5	5.4 do. gar on Lt. Con. floor
0+63	℄ 4' Con. walk
0+45	

103.11

99.43 / 3.68 / 40 — TOP STEP of Dwelling

98.33 / 4.78 / 37.7 — Walk

97.9 / 5.7 / 40 — 98.5 / 4.6 / 20 — 98.4 / 4.7 / 19 — 97.6 / 5.5 / 17 — 98.7 / x.x — 98.7 / 5.4 / 9 — 98.7 / 4.9 / 16 — 99.7 / 3.x / 21 — 100.0 / 5.1 / 40

96.26 / 6.85 / 40.4 Floor gar. — 96.4 / 6.7 / 40 — 96.4 / 6.7 / 28 — 96.5 / 6.6 / 13 — 97.0 / 6.1 / 8 — 97.5 / 5.6 — 97.5 / 5.6 / 7 — 96.7 / 6.4 / 16 — 98.0 / 5.1 / 22 — 98.6 / 4.5 / 40

96.26 / 6.85 / 40.4 Con. Floor — 96.1 / 7.0 / 40 dirt — 96.3 / 6.8 / 25 — 96.1 / 7.0 / 13 — 96.8 / 6.3 — 96.9 / 6.2 / 9 — 96.1 / 7.0 / 16 — 97.3 / 5.8 / 21 — 97.8 / 5.3 / 40

95.56 / 7.55 / 40 — 95.55 / 7.56 / 36.x

94.7 / 8.4 / 40 — 95.0 / 8.1 / 28 — 95.6 / 7.5 / 15 — 95.4 / 7.7 / 12 — 96.x / 6.9 — 96.x / 6.9 / 10 — 95.5 / 7.6 / 16 — 96.9 / 6.2 / 31 — 97.4 / 5.7 / 40

103.11

Dawes

2+67 30.7 PT Tcl. P 96

2+64

2+35

2+00

1+84 ℄ Sim. gar. Con. floor 8' wide

T.P. 8.14 109.54 1.71 101.40

1+75

1+35

103.11

℄ ℄ ↑

103.7 103.8 103.4 104.1 104.1 103.6 105.0 105.8
5.8 5.7 5.1 5.4 5.9 4.5 3.7
40 20 14 8 17 34 40

102.7 103.4 102.5 103.0 103.3 103.3 102.6 103.9 104.9
6.8 6.1 7.0 6.5 6.2 6.9 5.6 4.6
40 19 14 8 9 16 20 40

101.5 101.8 101.3 102.1 102.1 101.4 103.7 104.6
8.0 7.7 8.2 7.4 7.4 5.1 6.3 4.9
40 21 16 8 17 23 40

104.3
5.2
46
Con.

102.54

100.7 101.4 100.2 100.9 101.3 101.0 100.4 102.1 102.6 103.9
2.4 1.7 2.9 2.2 1.8 2.1 2.7 1.0 0.6 +0.8
40 20 14 8 9 16 21 35 40

99.1 99.5 98.7 99.6 99.5 99.0 100.5 101.
4.0 3.6 4.4 3.5 3.6 4.1 2.6 1.9
40 18 14 7 16 23 40

103.11

check to B.M.	Chisel □	5.84	103.70	103.70 P.I.
2+94	5.c6. Loring			
2+82				
2+70	S.L. Loring Con. Pav.			

109.54

Top & Sw Ret. Loring & Dawes

103.31	102.76	103.03	103.96	104.37	104.72	104.96	105.08	105.36	105.71	106.21
6.23	6.78	6.51	5.58	5.17	4.82	4.58	4.46	4.18	3.83	3.33
50	50	40	20	10		10	20	40	50	50
c6	97								97	c6 EC
EC										

103.7	103.16	104.12	104.48	104.61	104.64	105.14	
5.84	6.38	5.42	5.06	4.93	4.90	4.30	
26	26.1	10		10	26.1	26.6	
c6	97				97	c6	

103.6	103.60	103.08	103.74	104.09	104.18	104.04	104.69	106
5.9	5.94	6.51	5.80	5.45	5.36	5.50	4.85	3.5
40	20.7	20.7	10		10	20.4	20.4	40
	c6	97				97	c6	
	end						end	

109.54

Cross Section of

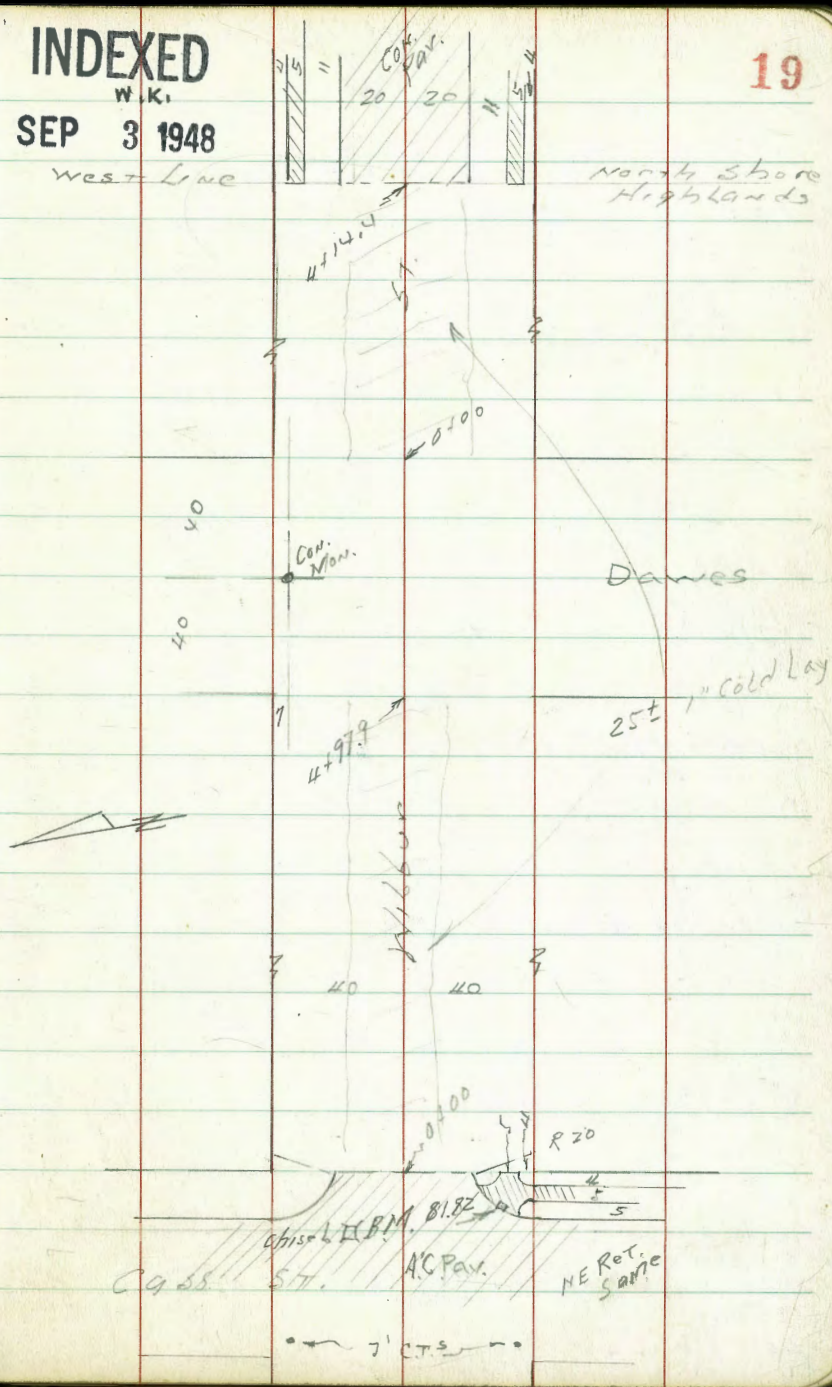
Wilson St.

Cass to W.L. N. Shore Highlands

Reduced by Mark Sear - Sept. 1948

INDEXED
W.K.
SEP 3 1948

19



Wilbur

1+00

0+50

0+00

0+00 E.L. Cass edge Pav.

0-14 E of Cass

E Cass 0-40

B.M. Chisel Square
& Ref. 1.45 89.27 81.82 P.1
S.E Cor.
Cass & Wilbur

89.27

85.6	84.4	83.9	83.9	83.7	83.8	83.3	
3.7	4.9	5.4	5.4	5.6	5.5	6.0	
40	20	15		12	20	40	
84.3	84.3	83.00	83.0	85.6	83.7	82.4	
5.0	5.0	6.3	6.3	6.7	6.6	7.1	
40	20	14		13	20	40	
83.8	83.3	82.1	82.4	81.9	82.3	81.9	
5.5	6.0	7.2	7.1	7.4	7.0	7.4	
40	20	17		12	20	40	
83.5	82.69	82.09	82.07	82.01	81.73	81.54	82.05	81.7
5.8	6.58	7.18	7.20	7.26	7.54	7.73	7.22	7.6
40	20.9	20.9	10		10	20.85	20.85	40
	c6	97				97	c6	dirt
84.62	84.00	83.12	82.42	81.97	81.62	81.23	80.79	81.48	79.14	79.80
4.65	5.27	6.15	6.85	7.30	7.5	8.04	8.48	7.79	10.13	9.47
100	100	40	40	20		20	40	40	100	100
c6	97	c6	97				97	c6	97	c6
84.42	82.81	82.37	82.02	81.66	81.23	79.61
4.85	6.46	6.90	7.25	7.61	8.04	9.66
100	40	20		20	40	100

Wilson

1+83	℄ 3' Con walk			87.61	87.18			
				1.66	2.09			
				50	40			
1+80	℄ 2.5 Con. Walk					84.79	84.82	84.85
						4.48	4.45	4.42
						30.6	40	50
1+63	Beg. 3' Wide Cypress Hedge 38' Rt to	Ctr. hedge						
1+53	℄ 3' Con. walk			87.47	86.58			
				2.00	2.69			
				50	40			
1+50				86.4	85.3	84.8	84.8	84.2	84.3	84.4
				2.9	4.0	4.5	4.5	5.1	5.0	4.9
				40	20	14		14	20	40
1+34	℄ 3' Con walk			86.77	86.34					
				2.50	2.93					
				50	39.9					
1+15	℄ 3 Con. walk			85.97	85.82					
				3.30	3.45					
				50	39.5					
		89.27			89.27					

Wilbur

2+74	36.5 Lt end end Sedge hedge			
2+64	℄ 8' Con drive			
2+50	37 Lt end Picket fence			
2+36	℄ 2.5 Con walk			
2+23	37 Lt ± Sedge hedge Beg. Cypress hedge			
2+20	℄ 1.5 Con walk			
2+16	also Beg. picket fence 38 Rt end Cypress hedge To ℄ 3' "			
2+09	℄ 8' Con drive			
T.P.	5.15	91.05	3.37	85.90
2+00				
		89.27		

Lt ℄ ℄ ℄

88.87 86.74

2.18 2.31

45 38.6

88.8 87.4 86.5 86.5 85.7 86.0 85.7

2.2 3.6 4.5 4.5 5.3 5.0 5.3

40 25 16 18 20 40

85.62 85.53 85.30

5.43 5.52 5.75

36.2 40 50

86.29 86.15

2.76 2.90

50 40.4

85.19 85.14 85.17

5.86 5.47 5.88

35.7 37.5 50

91.05

87.8 86.9 85.7 85.8 85.2 85.6 85.2

1.5 2.4 3.6 3.5 4.1 3.7 4.1

40 32 15 11 20 40

89.27

3+51 ℄ 2.5 Con walk

3+50

3+21 ℄ 8' Con. drive

3+00

2+91 ℄ 3' Con walk

2+92 ℄ 3' Con walk

2+89 3C Rt. at end of hedge

2+83 ℄ 7' Con drive

9105

88.6 / 1.4 / 40

89.0 / 2.0 / 20

88.1 / 2.9 / 16

87.9 / 3.1

86.9 / 4.1 / 17

87.4 / 3.6 / 20

86.8 / 4.2 / 40

89.5 / 1.5 / 40

88.6 / 2.4 / 20

87.5 / 3.5 / 19

87.4 / 3.6

86.8 / 4.8 / 19

86.6 / 4.4 / 22

86.3 / 4.7 / 40

90.04 / 1.00 / 50

89.44 / 1.60 / 39.6

86.39 / 4.26 / 36.5

86.81 / 4.24 / 40

86.81 / 4.24 / 50

86.71 / 4.34 / 36.4

86.60 / 4.45 / 40

86.37 / 4.68 / 50

86.17 / 4.88 / 36.1

86.15 / 4.90 / 40

86.14 / 4.91 / 50

86.09 / 4.96 / 36.1

86.03 / 5.02 / 40

85.85 / 5.20 / 50

9105

Hilbun

4+59 ℄ do 2' Con Rib. 7 overall

4+55 39.6 Lt end Con. Blk Wall

4+50

4+39 ℄ do. 2' Con Rib. do. 7' overall

4+24 39.7 Lt Beg. Con. Block Wall

T.P	8.60	97.46	2.19	88.86

4+00

3+84 ℄ 8' Con drive

9105

89.46 / 8.00 / 36.2

89.49 / 7.97 / 50

91.5 / 6.0 / 40

90.3 / 7.2 / 20

89.5 / 8.0 / 12

89.4 / 8.1

88.7 / 8.8 / 17

89.2 / 8.3 / 21

89.1 / 8.4 / 40

88.61 / 8.85 / 35.3

88.52 / 8.94 / 50

97.46

90.4 / 6.5 / 40

89.7 / 7.3 / 20

88.9 / 8.1 / 15

88.2 / 8.8

87.6 / 9.4 / 15

87.8 / 9.2 / 24

87.6 / 9.5 / 40

87.37 / 9.68 / 38.5

87.34 / 9.71 / 40

87.23 / 9.82 / 50

91.05

Wilbur

0+28	℄ 4' Con walk				
0+00	E.L. Dawes				
B.M. Below	7.11	103.62	96.51		
Check to B.M. Chisel Cross Top Con Porch	0.97	96.49	96.51 0.02 error		

See other Bk. for intersection

4+97.9	W.L. Dawes				
4+89					
4+84	℄ 4' Con Walk				
		97.46			

4 5 6 7 8 9

95.33 8.29 95.5 — 95.33 8.29 50

96.2 7.2 40 — 95.9 7.7 21 — 94.5 9.1 18 — 94.5 9.1 — 93.7 9.9 16 — 94.7 8.9 20 — 94.5 9.1 40

103.62

S.E. Cor. Dawes & Wilbur P.I

93.0 4.5 40 — 92.1 5.4 22 — 91.0 6.5 16 — 91.2 6.3 — 90.8 6.7 16 — 92.0 5.5 20 — 91.9 5.6 40

92.7 4.8 40 — 91.8 5.7 22 — 90.7 6.8 15 — 90.8 6.7 — 90.4 7.1 16 — 90.6 6.9 20 — 90.5 7.0 40

92.91 4.55 50 — 92.56 4.90 40

97.46

2+00

1+55 E 3' Con. walk

1+50

1+34 E do 2' Con. Rigdo. 3' overall

1+00

0+84 E 8' Con. drive

0+50

1036'

101.4	100.7	99.5	99.1	98.4	99.1	98.6
2.3	2.9	4.1	4.5	5.2	4.4	5.0
40	24	17		16	25	40
100.74		100.07				
1.88		3.60				
50		36.5				
100.1	99.6	98.3	98.0	97.4	97.8	97.8
4.5	5.0	5.3	5.6	6.2	5.8	5.8
40	35	19		15	17	40
100.33	99.58	99.37				
3.29	4.04	4.25				
50	35.8	34.8				
97.2	98.4	97.1	97.0	96.2	97.1	96.7
4.5	5.2	6.5	6.6	7.4	6.4	6.9
40	24	17		16	25	40
99.52		98.90				
4.10		4.72				
50		37.3				
97.7	97.3	95.8	95.9	95.1	95.8	95.5
5.9	6.3	7.8	7.7	8.5	7.8	8.1
40	24	17		15	21	40

1013'

Hilborn

3+56 26 Rt 2" acasia tree

3+50

3+38 ℄ 7' Conc. drive

3+33 36 Rt end hedge

3+17 ℄ 4' Conc. walk

3+00 36.6 Rt Beg. SMALL hedge

T.P. 8.25 109.37 2.55 101.07

2+50

2+04 ℄ 7' Conc. drive

103.6 ✓

L

106.2 ✓ 105.1 104.5 103.8 103.1 104.0 104.1 ✓
3.1 4.2 4.8 5.5 6.2 5.3 5.1
40 25 19 17 22 40

℄

103.45 103.30
5.87 6.02
40 50

102.63 102.44
6.69 6.88
39.6 50

R

104.7 104.4 103.8 103.7 101.7 102.5 102.1
4.6 4.9 6.5 6.6 7.6 6.8 7.2
40 28 17 16 24 40

109.37 ✓

103.6 103.2 101.2 101.0 100.1 100.9 100.7
0.0 0.4 2.4 2.6 3.5 2.7 2.9
40 25 18 16 23 40

99.26 99.12 ✓
4.36 4.50
5.6 50

103.6 ✓

check to BM	SE Dawes Hill Gun P1	4.27	96.49	4651 0.02	
T.P.	1.32	100.76	9.88	99.44	
4+89.9	c6 B.C. 9T Events				
4+50					
4+14.4	Beg. Con. Pav. = W.L. N. shore Highlands				
4+00	25.C Also ℄ 7' Con. drive on Lt. Rt 2" Acasia Tree				
3+88	℄ 7' Con drive				
3+77	26 Rt 2" Acasia Tree				
3+68	℄ 3' Con. walk				

109.32

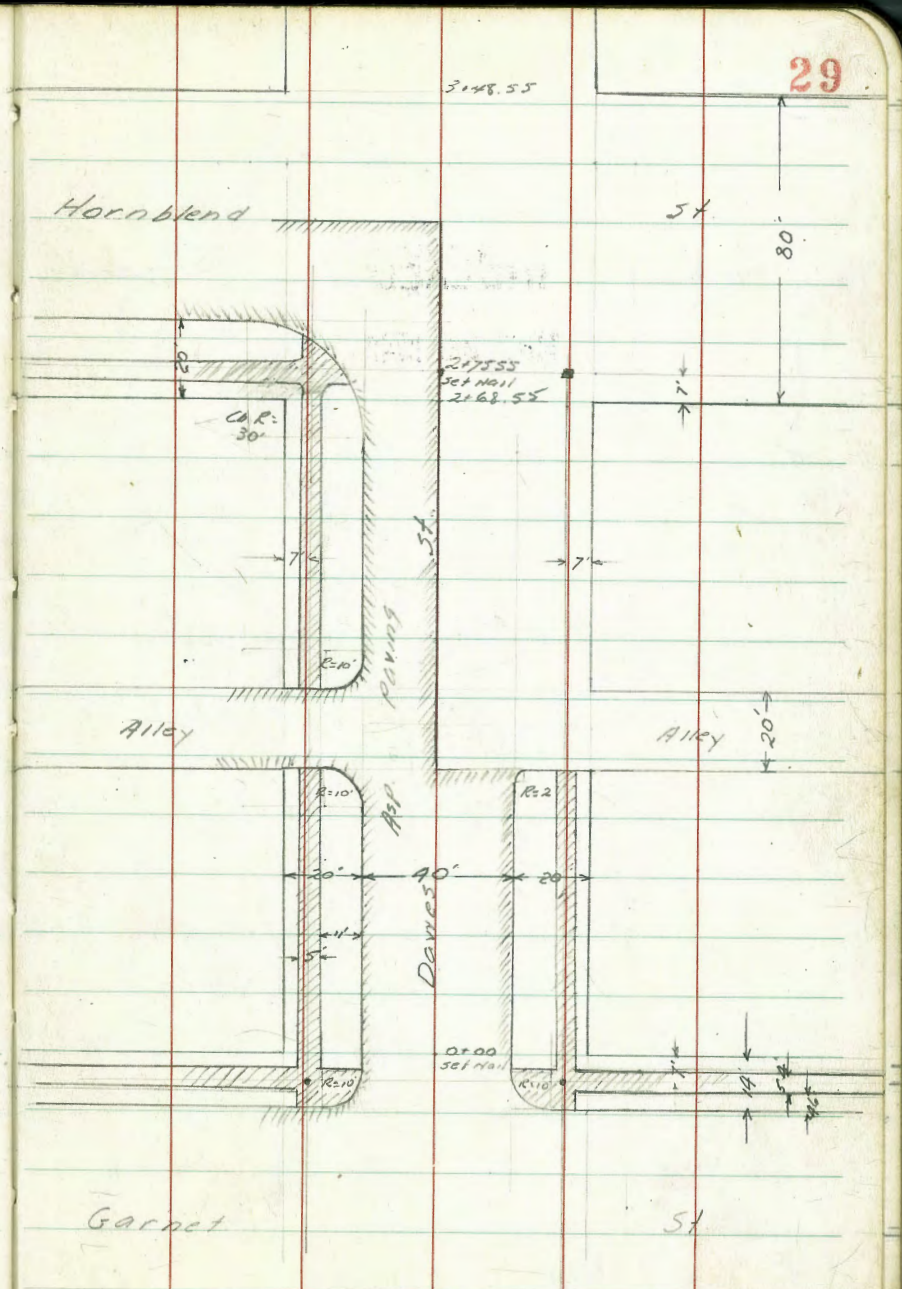
Lt	℄	Rt
107.82 1.50 20 c6	107.17 2.15 20	107.23 2.09 10
107.14 2.18	106.80 2.52 10	106.20 3.12 20
105.70 2.62 20 c6 B.C.		
106.74 2.58 20 c6	106.03 3.29 20 9T	106.26 3.06 10
106.17 3.15	105.81 3.51 10	105.24 4.08 20 9T
105.73 3.59 20 c6		
107.0 2.3 40	106.1 3.2 30	105.89 3.43 20 c6 end
105.21 4.11 20 9T	106.36 3.96 10	105.31 4.01
104.98 4.34 10	104.47 4.90 20 9T	104.93 4.39 20 c6 end
105.1 4.1 40		
108.09 1.73 50 drive	106.80 2.52 40 drive	106.10 3.32 30.7 drive
105.3 4.0 20	104.9 4.4	104.4 4.9 17
105.0 4.3 25	104.7 4.6 40	104.74 4.58 39.8
104.64 4.68 50		
107.90 1.42 50	106.80 2.52 40	106.47 2.90 32.5
104.79 5.03 40	104.38 4.94 50	

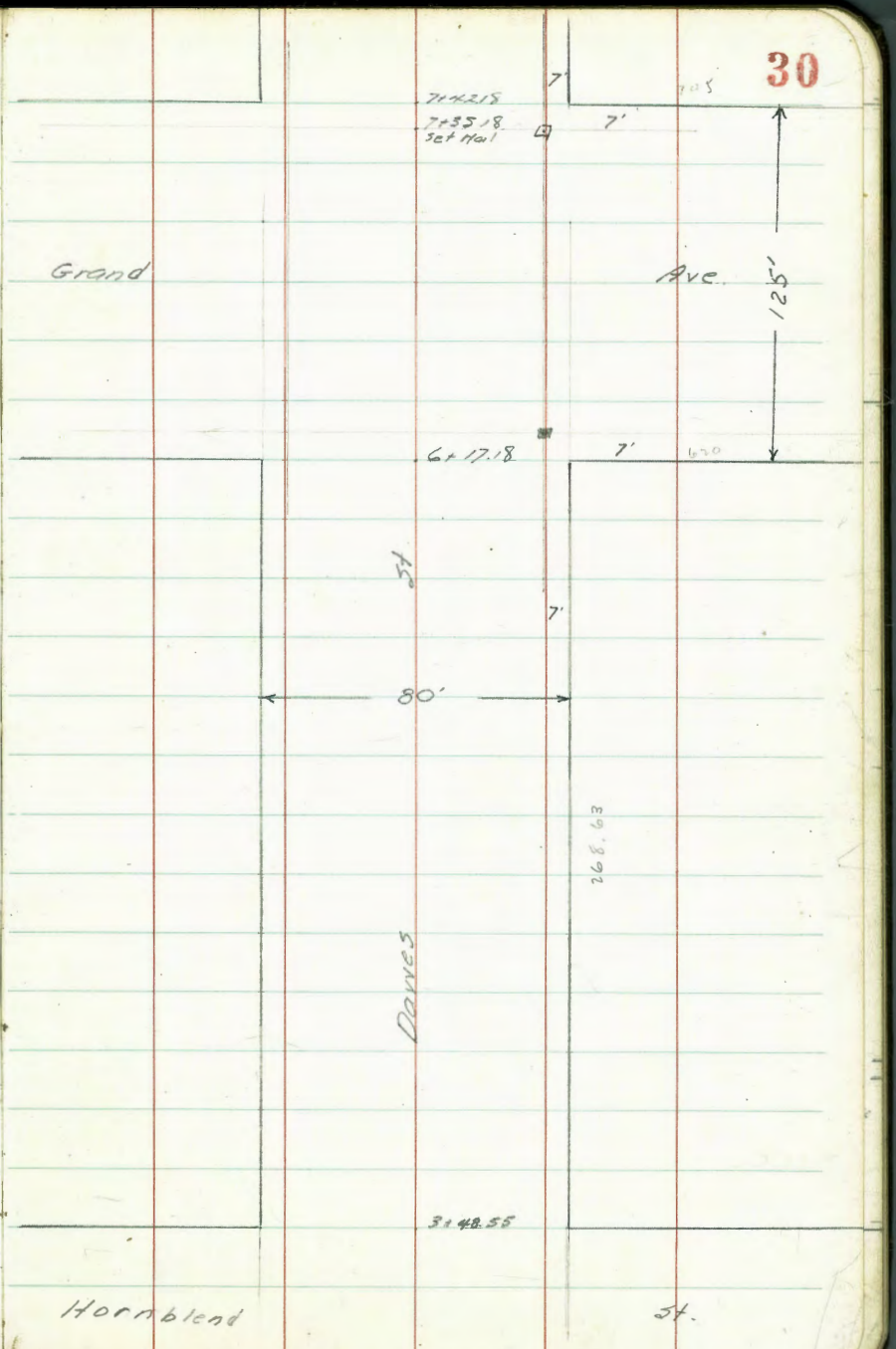
109.32

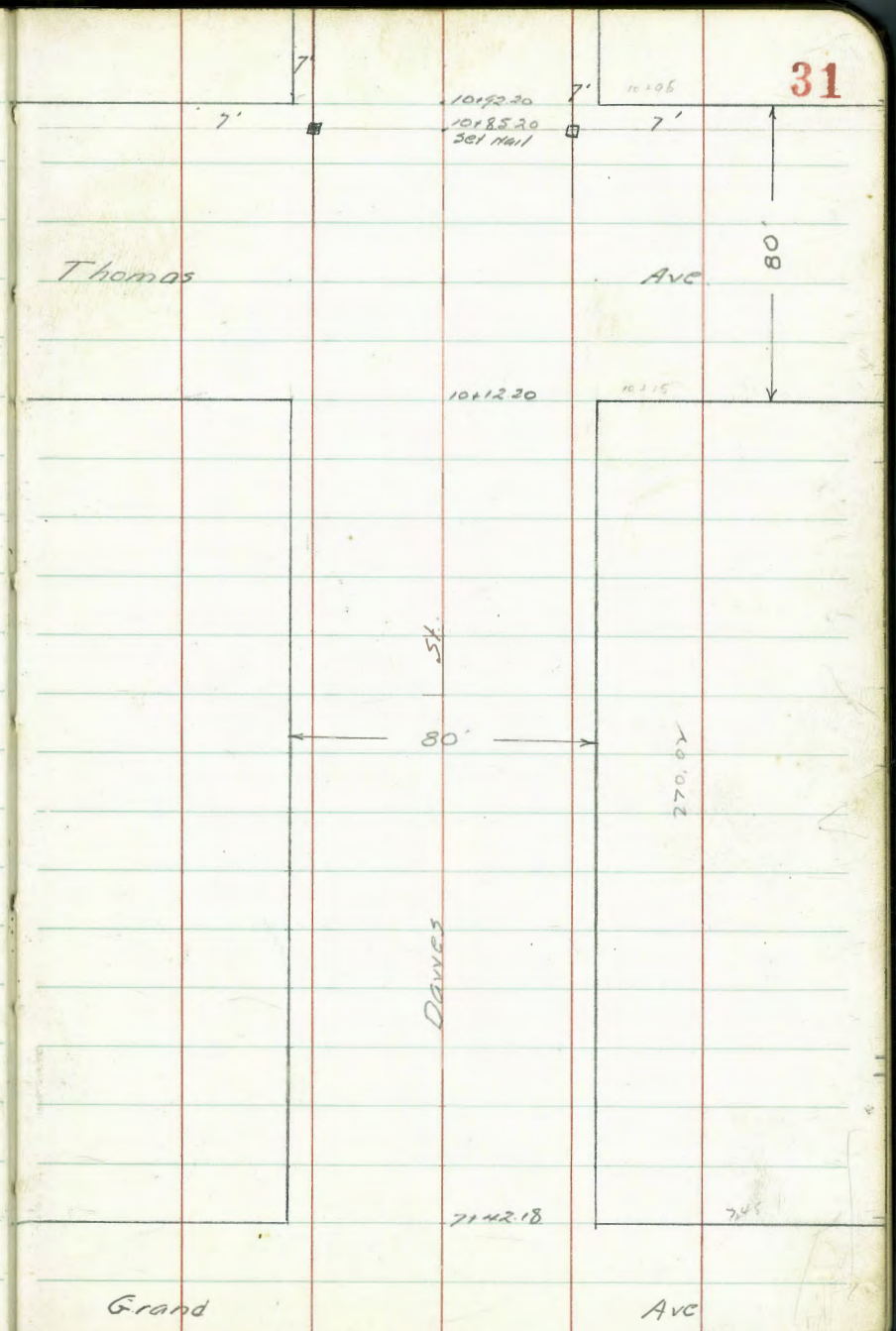
Nov. 1948
Hendricks
Dramby
Greer
Rorer
WO# 31568

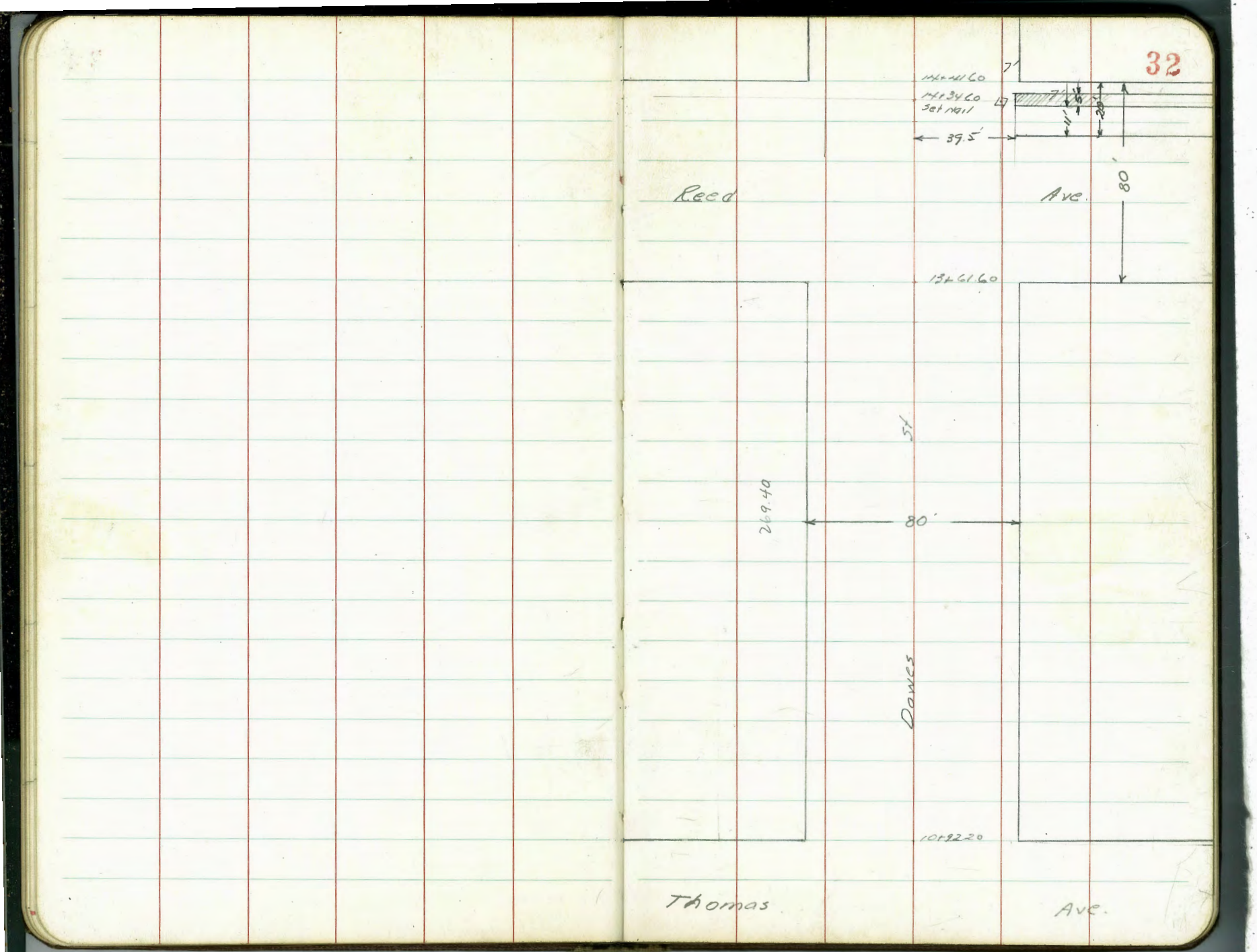
X Section Dawes St.
Garnett to Pacific Beach Dr.

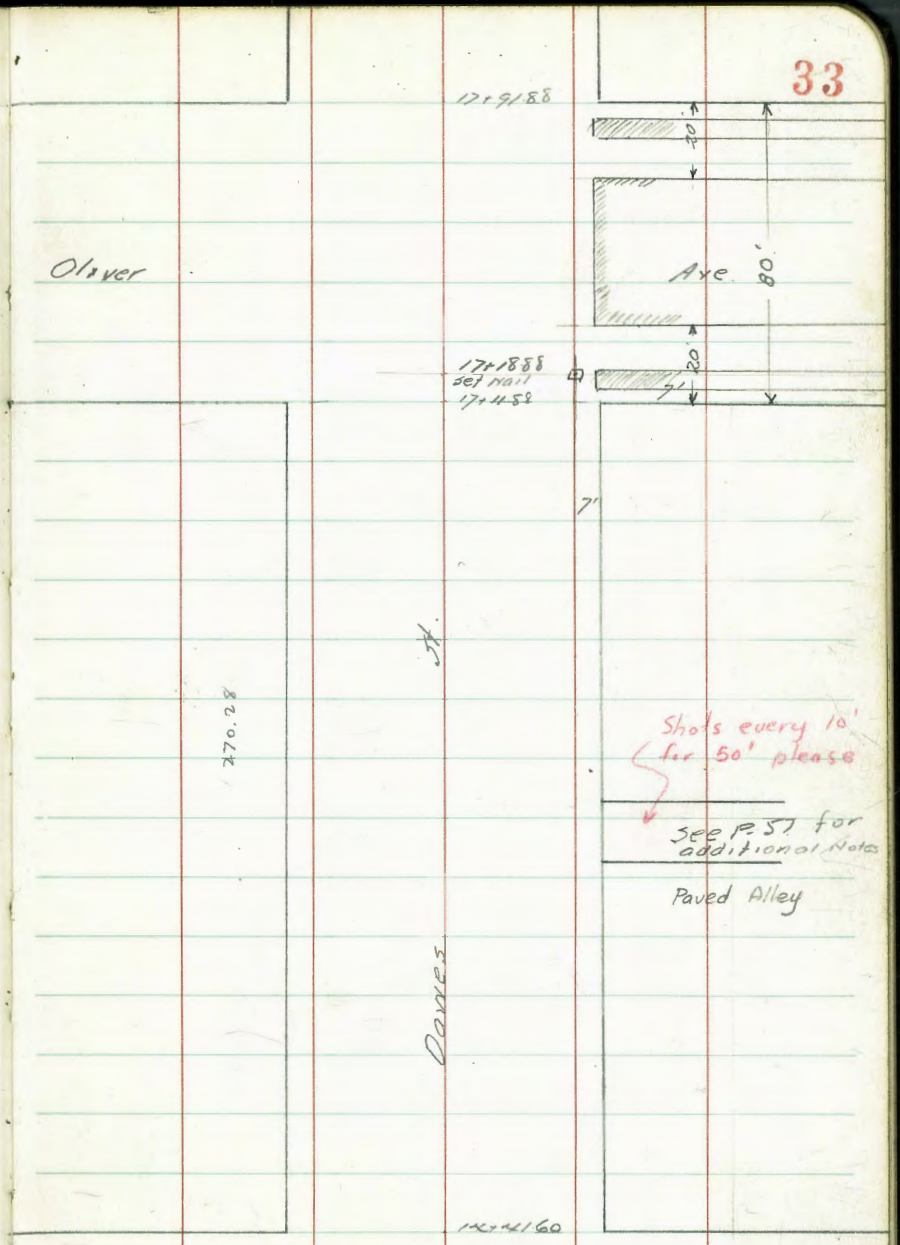
Notes Redwood 12-13-48 Mmk Klein



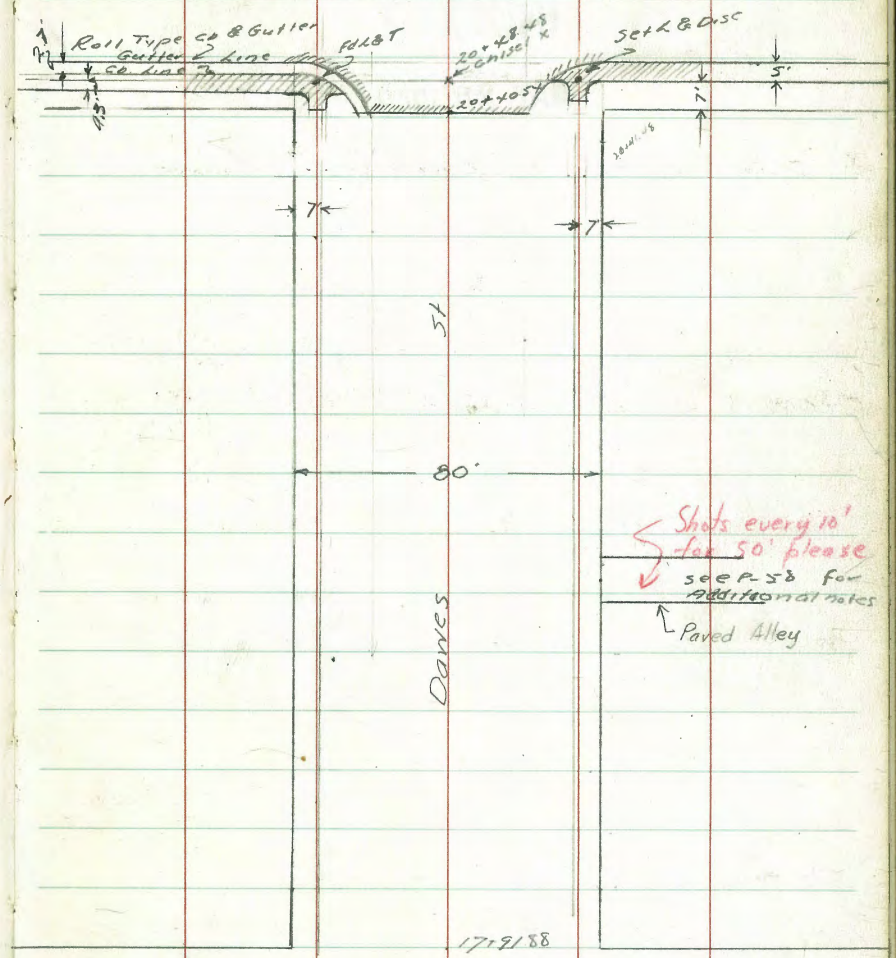

7+44.18
7+55.18
Set Nail
7'
7'
Grand
Ave.
125'
6+17.18
7'
5'
7'
80'
268.63
Dawes
3+48.55
Hornblend
St.


7'
7'
7'
10+92.20
10+85.20
Set Nail
7'
10+06
80'
Thomas
Ave
10+12.20
10+15
5F.
80'
270.42
Davies
71+42.18
7+48
Grand
Ave


14+41.60
14+34.60
Set Nail
7'
7½'
6"
11'
20'
39.5'
Reed
Ave.
80'
13+61.60
5th
269.40
80'
Dawes
10+92.20
Thomas
Ave.


17+91.88
10
Oliver
Ave.
80'
17+88.88
set nail
17+45.88
20
7'
270.28
St.
Shots every 10'
for 50' please
see P. 57 for
additional Notes
Paved Alley
Davies
17+41.60
Reed
Ave.

Pacific Beach Drive



Oliver Ave

Levels Xsect Dawes St.
Garnet to Pacific Beach Drive

J.W. Cb Ref. Garnett & Dawes (3 parts BC on Garnet)

Jo. E Cb Ref. Garnet & Dawes (BC on Garnet 3 parts)

0+00 So. Line Garnet.

0-14 So. Cb Line Garnet.

0-40 E Garnet

B.M 5.49 3803 32.54

N.W.B.P Garnet & Dawes

3803

Contd. from P. 35.

1+33.6	End JDG&E 17 H.			
1+27.4	Beg. JDG&E 17 H. (Set in conc. slab) end Ct			
1+24.27	No. Line Alley			
TP.	2.26	31.27 30.27	9.02	29.01
1+00				
0+50				
		38.03		

								28.97	28.68			
								2 3.5	2 5.9			
								10.1	13.9			
								28.07	28.81			
								2 2.5	2 4.6			
								9.9	13.6			
28.97	28.56	28.95	28.35	28.10	28.13	28.46	28.4	28.09	28.6	28.14	28.9	
1 3.0	1 3.1	1 3.2	1 9.2	2 1.7	2 1.4	2 8.1	2 2.9	2 1.8	2.7	2 1.1	2 4	
40	40	30	30	20		20	22	22	40	40	50	
C6.	G	C6.	G				G	C6.	G	C6.		
					31.27 30.27							
			7 7.3	8 3.6	8 2.8		9 2.0	8 5.4				
			20	20			20	20				
			C6.	G			G.	C6.				
			6 5.5	7 2.6	7 2.5		8 0.7	7 3.9				
			20	20			20	20				
			C6.	G			G	C6.				
					38.03							

Cont'd from P. 36

3+48.55 So. Line Hornblend

Intersection of Hornblend & Oswes
(See FB 1998)

2+68.55 No Line Hornblend

2+38.55 B.C. Cb Rel on Lt.

2+00

1+65 Dead Man to Pole 22.2 Rt.

Lt 44.27 So. Line Alley

1+41 Power Pole # 144424 22.7 Rt.

31.27
30.27

25.8 26.1 25.4 24.7 25.1 24.4 24.8 25.1 24.9
5= 5= 5? 6= 6= 6? 6= 6= 6=
40 25 17 14 10 13 20 40

26.56 25.88 26.02 25.5 25.1 25.6 26.4 26.1
x= 5= 5= 5= 6= 5= 4? 5=
21.6 21.6 16 18 20 21 40
G

26.66 26.04 26.18 25.7 25.4 25.8 26.6 26.4 26.2
x= 5= 5= 5= 5? 5= 4= 5= 5=
20 20 16 17 19 20 40 50
Cb G

28.06 27.42 27.50 27.1 26.7 26.7 27.7 27.3 28.4 28.2
3= 3= 3= x= x= x= 3= x= 3= 3=
20 20 16 17 19 20 31 40 50
Cb G

19.50 29.37 29.37 28.98 28.63 28.70 28.4 28.0 29.0 28.5 28.5
1= 1= 1= 2= 2= 2= 2= 3= 2= 2= 2=
40 40 30 30 20 13 17 24 40 50
Cb G. Gb G

31.27
30.27

Cont'd from P- 37

5+50

5+00

4+94 Power Pole # 44424 21.3' Rt

4+67 Power Pole # O-18+40 1720.2' Lt

4+50

4+00

3+77 10" Tree 24.9 Rt ✓

3+73 Dead Man to Pole 29.5 Lt.

3+50 Power Pole # 447842 28.9 Lt
Power Pole # 44448 21.2 Rt.

31.27
~~30.27~~

23.8	23.8	23.9	23.4	23.5	23.8	23.8	23.6	23.0	22.5	23.1	23.4	22.5	22.4
7.5	7.4	7.4	7.9	8.8	8.5	8.5	8.7	9.4	8.8	8.2	8.1	8.8	8.9
50	40	24	23	20	12		5	10	11	18	21	40	50

24.4	24.4	23.9	22.9	23.3	22.7	23.1	23.3	23.1	22.9
6.5	6.9	7.4	8.4	8.0	8.6	8.2	8.0	8.2	8.4
50	40	20	18		10	11	27	40	50

24.8	24.8	24.7	24.2	23.7	23.9	23.3	23.7	24.0	23.7	23.9
6.4	6.4	6.6	7.1	7.6	7.4	8.0	7.6	7.4	7.6	7.4
50	40	23	17	14		11	12	16	40	48

25.2	25.2	25.2	25.0	24.1	24.4	24.6	23.9	24.4	24.7	24.8	24.8
6.1	6.1	6.1	6.3	7.1	6.8	6.7	7.4	6.9	6.6	6.5	6.4
50	40	29	18	13	11		11	13	18	40	48

31.27
~~30.27~~

Cont'd. from P-38

6+43

6+40

6+19 Power Pole # D.29663T 30' Lt.

6+17.18 Lt Line Grand Ave.

TP 3.47 25.19 ~~24.19~~ 9.55 21.72 ~~20.72~~

6+00

5+78 ℄ Conc. Drive 40' Lt

31.27 ~~30.27~~

℄

21.9 21.8 21.9 21.6 21.7 21.2 21.8 21.4 21.3
3.4 3.4 3.3 3.6 3.5 4.0 3.4 3.8 3.9
50 40 28 17 12 20 40 50

22.8 22.8 22.7 22.0 21.8 21.4 21.9 22.2 22.0 22.0
2.4 2.4 2.5 2.2 2.4 4.0 3.4 3.0 3.2 3.2
50 40 26 25 10 16 23 40 50

23.5 23.1 22.4 21.8 22.0 21.7 21.3 22.6 22.1 22.0 22.0
1.7 2.1 2.8 3.4 3.2 3.5 3.9 2.6 3.4 3.0 3.0
50 40 20 16 6 10 16 23 40 50

25.19 ~~24.19~~

N.W. 7' Conc Mon Grand & Dawes

23.5 23.3 22.9 22.1 22.3 22.1 21.9 21.5 22.6 22.0 22.0
7.8 8.0 8.4 9.2 9.0 9.1 9.4 9.8 8.7 9.3 9.3
50 40 23 19 10 6 11 15 40 50

23.75 23.47
7.52 7.80
50 40

31.27 ~~30.27~~

Contd.

7+69 Dead man 30 5'Lt

7+66 Dead man 21' Rt.

7+47 Power Pole # 40840 # 30 3'Lt

7+43 Power Pole # 4388 20.6 Rt.

(Should be 7+45)

7+42.18 So Line Grand Ave.

7+21

7+06

6+79.68 E Grand Ave.

25.19
~~2+19~~

25.19
~~2+19~~

Cont'd

8+96 ℄ 3' Conc. Walk 36.1 Lt

9+00

8+87 Power Pole # P43478 21.8 Rt

8+77± ℄ Sewer MH

8+71 Power Pole # D29647 30.1' Lt

8+50

8+00

25.19
~~24.15~~

℄

19.85 19.60
5.3± 5.5±
44 36±

19.8 19.5 19.1 18.8 19.0 18.5 18.7 18.6 18.5
5.4± 5.7 6.0 6.4± 6.2± 6.2 6.2± 6.5± 6.7±
44 40 15 12 10 11 40 50

19.66
5.5.3±
Rim

20.4 20.1 20.5 19.9 19.4 19.1 19.8 19.6 19.2 19.6 19.9 19.6 19.2 18.8
5.0 5.0 4.7 5.3 5.8 5.5 5.4± 5.6 6.0 5.5± 5.3± 5.5± 6.0 6.4±
50 40 23 16 14 9 7 11 12 17 19 40 50

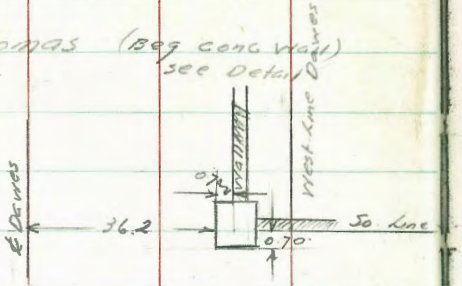
20.8 20.6 20.9 20.4 19.8 20.3 20.5 20.4 19.9 20.1 19.6 19.8 19.5
4.7± 4.5± 4.3± 4.8± 5.4± 4.9± 4.7± 4.8± 5.3± 5.1± 5.6± 5.4± 5.7±
50 40 29 16 15 10 6 12 13 32 40 50

25.19
~~24.19~~

Cont'd.

TP	3.08	17.92 ~~16.92~~	10.35	14.84 ~~13.84~~

10+92.20 So. Line Thomas (Beg conc wall)



(+55)
10+52.20 ℄ Thomas

10+31 Pole # D-29-65-T 301' Lt.

(10+(16))
10+12.20 ~~No~~ Line Thomas Ave.

10+00

9+95 Bell Tel. MH (3'± Lt. to ℄ MH)

9+50

25.19
~~24.19~~

℄

~~80 ft E~~ ~~℄ Coat~~ Mon. Thomas & Dawes

15.8	15.8	15.6	15.4	14.7	14.3	14.7	14.8	14.5	15.3	15.5	15.6
9.4	9.8	9.6	10.0	10.5	10.9	10.5	10.4	10.7	9.9	9.7	9.6
50	40	34	31	12	9		5	13	36	40	50

Thomas

15.7	15.7	15.7	16.1	15.9	15.4	15.8	16.0	16.0	
9.5	9.5	9.5	9.1	9.3	9.8	9.4	9.2	9.2	
50	40	29	9		14	22	40	50	

16.7	16.9	17.4	16.4	16.6	16.7	16.4	17.1	16.9	16.8
8.5	8.3	7.8	9.0	8.6	8.5	8.8	8.1	8.3	8.4
50	40	19	13	8		12	17	40	50

17.4	17.4	17.5	16.7	16.9	17.1	16.7	17.4	17.5	17.1	17.1	16.9
8.0	8.0	7.7	8.5	8.3	8.1	8.5	8.0	7.2	8.1	8.1	8.3
50	40	19	12	8		12	13	16	18	40	50

17.51
7.68
2V
Rim.

18.3	18.3	18.4	18.4	17.8	18.1	18.1	17.9	18.5	18.0	18.1	18.1
6.9	6.9	6.3	6.8	7.4	7.1	7.1	7.3	6.7	7.2	7.1	7.1
50	40	24	15	13	6		12	15	20	40	50

25.19
~~24.19~~

Dawes St Cont'd

12+50

12+38 Power Poles # 427L — 19.8' Rt
452297H 30.1' Lt

12+27.5 ℄ Sewer 17.H.

12+00 Power Pole # D29666T 30' Lt.

11+50

11+00

17.92
16.92

℄

12.6	12.6	13.1	11.6	11.9	12.0	11.6	11.6	12.5	12.4
5.3	5.3	4.8	6.3	6.0	5.9	6.1	6.3	5.4	5.7
50	40	20	10	6		10	12	20	36.5 Wall

12.69
5.23
Rim

13.7	13.7	13.3	12.4	12.7	12.8	12.7	12.3	13.3	13.4
4.3	4.3	4.6	5.5	5.3	5.1	5.2	5.6	4.6	4.5
50	40	15	11	7		8	13	24	37.2 Wall

14.2	14.1	14.0	13.8	13.1	13.6	13.5	13.7	14.2	13.7
3.7	3.8	3.9	4.4	4.8	4.3	4.4	4.7	3.7	4.3
50	40	24	15	10		9	13	21	37 Wall

15.5	15.4	15.4	15.0	14.9	14.1	14.4	14.4	14.1	14.9	15.3	15.3
2.4	2.5	2.5	2.9	3.0	3.8	3.5	3.5	3.8	3.0	2.5	2.6
50	40	35	20	16	9		10	13	16	19	37 Wall

17.92
16.92

Davies St. Cont'd

14+05

14+01.60 & Reed Ave.

13+85

13+81

13+72.7 End Conc wall 36.9 Rt.

13+67 Power Pole # D 29667 7 29.6 Rt.

13+61.60 No Line Reed

13+00

17.9.2
16.9.2

10.4	10.4	9.6	9.4	9.5	9.1	9.5	9.7		9.7
7.5	7.7	8.4	8.7	8.4	8.8	8.4	8.2		8.2
50	40	16	11		14	23	40		50

10.5	10.4	9.8	9.4	9.7	9.8	9.3	9.6	9.9	9.7
7.4	7.5	8.1	8.5	8.2	8.1	8.6	8.3	8.0	8.2
50	40	15	12	8		11	20	40	50

11.0	11.0	11.0	10.6	9.5	9.7	9.9	9.4	10.0	10.3	10.3	10.3
6.9	6.9	6.9	7.3	8.1	8.2	8.0	8.5	7.9	7.6	7.6	7.6
50	40	21	18	11	8		11	17	28	40	50

11.2	11.1	10.7	9.8	10.0	9.9	10.5	10.7	
6.7	6.8	7.2	8.1	7.9	8.0	7.4	7.2	
50	40	17	11		12	17	36.7	
							Wall	

11.8	11.8	11.9	11.4	10.6	10.9	10.7	11.4	11.3
6.1	6.1	6.0	6.7	7.3	7.0	7.2	6.7	6.5
50	40	23	12	10		11	12	36.7
								Wall

17.9.2
16.9.2

Dawes St. Cont'd

15+50

15+04.5 & 14' Conc. Drive 38.9 Rt
& 9' Conc. Drive 35.6 Lt.

T.P 204 11.25 ~~10.25~~ 8.71 9.21 ~~8.21~~

15+00

14+41.60 50. Lt. Line Reed Ave.

14+21.60 50. Cb. Line Reed Ave

17.92
~~16.92~~

8

8.2 8.1 7.6 7.1 6.7 7.1 7.0 6.4 7.3 7.7 7.4
3.0 3.1 3.5 4.1 4.5 4.1 4.2 4.8 3.9 4.0 4.0
50 40 22 12 11 5 11 14 40 50

9.18 9.14 8.77 8.77
2.07 2.11 3.08 2.98
50 35.6 38.9 44

11.25
~~10.25~~

SW 7' Hub Dawes St. & Reed Ave.

9.2 9.1 8.5 7.6 7.7 7.9 7.4 7.9 8.19
8.7 8.8 9.4 10.3 10.3 10.0 10.5 10.0 9.3
50 40 24 14 8 10 13 40
Drive

10.1 10.1 9.5 8.5 8.6 8.7 8.7 8.3 8.7 9.2 9.5 9.5
7.8 7.8 8.4 8.1 9.3 9.2 9.2 9.6 9.2 8.7 8.4 8.4
50 40 24 13 12 6 11 12 27 40 50

10.0 9.9 9.5 8.8 9.1 9.1 8.7 9.1 8.73 9.51 8.80 9.35
7.9 8.0 8.4 9.1 8.8 8.8 9.3 8.8 8.98 8.41 9.12 8.57
50 40 21 10 7 14 24 39.5 37.5 86 86
G Cb. G Cb

17.92
~~16.92~~
1

· Dawes St. Cont'd

16+50

16+22 ℄ 3' Conc. Walk 20.3' Lt.

16+00

15+99 Bell Tel. MH 34.1 Lt 10℄ MH.

15+85 Power Poles ~~#~~ PH224 20.3' Rt.
~~#~~ PH223 29.1' Lt

15+74 ℄ Paved Alley on Rt. & ℄ Sewer MH

11.25
~~10.25~~

6.4 6.2 5.9 4.5 4.9 4.5 4.9 5.7 5.4 5.4
5.0 5.0 5.3 6.7 6.3 6.7 6.3 5.5 5.8 5.8
50 40 24 12 12 13 30 40 50

7.30 6.83
3.95 4.42
40 20.3

7.4 7.4 6.7 5.7 5.6 6.7 6.1 5.3 6.0 6.2 6.2 6.2
3.8 3.8 4.5 5.5 5.6 5.0 5.1 5.9 5.2 5.0 5.0 5.0
50 40 16 13 10 5 9 13 30 40 50

7.46
3.79
34.1
Rim

7.4 7.1 6.6 6.3 7.15 6.1 6.0 6.2 6.50 6.49
3.8 4.1 4.5 4.9 4.10 5.1 5.2 5.0 4.75 4.78
50 40 18 10 Rim MH. 10 15 19 39.5 paving 50

11.25
~~10.25~~

Dawes St. Cont'd.

17+31.88 No Ch Line Oliver.

17+28

17+11.88 No Line Oliver

I.P.	383	6.81 ~~5.81~~	8.27	2.98 ~~1.98~~

17+00

16+82.5 ℄ 3' Conc Walk 20.1 Lt.

11.25 ~~10.25~~

℄

4.1	4.0	3.5	3.8	3.1	2.7	2.57	3.11	2.49	3.40	
2.7	2.8	3.3	3.0	3.7	4.5	4.24	3.10	4.32	3.61	
50	40	15		10	20	39.2	39.2	50	50	
						6	Cb.	6	Cb.	

4.8	4.5	4.8	3.8	3.5	3.9	3.4	2.6	4.0	3.9	3.4	3.6
2.0	2.4	2.0	3.0	3.4	2.9	3.4	4.3	2.8	2.9	3.4	3.3
50	40	24	16	12		8	15	27	36	40	50

5.1	5.1	4.7	3.8	3.9	3.6	3.1	3.8	4.1	4.3	
1.6	1.7	2.6	3.0	2.9	3.2	3.7	3.0	2.7	2.5	
50	23	17	13		8	13	20	38	50	

6.84 ~~6.81~~

N W 7' Walk Oliver & Dawes

5.7	5.4	5.3	4.1	4.0	3.4	3.9	4.6	4.7	4.3
5.5	5.8	5.9	7.1	7.2	7.8	7.3	6.6	7.0	6.9
50	40	23	16		13	20	24	40	50

6.04	5.60
5.31	5.65
40	20.1

11.25 ~~10.25~~

Dawes St Cont'd.

19+00

18+96 Guy Pole 20.8 Rt

+90 Dead Man 21' Rt

18+50

18+00

17+95 Power Pole # 305523H 29.5 Lt

17+71.88 So Cb Line Oliver

17+51.88 E Oliver

6.81

6.81

Dawes St Cont'd

T.P.	457	5.31 ~~5.34~~	6.07	0.74 ~~0.76~~
20+00				
19+93.5	℄ 20' Garage & House		39.4 Lt.	
19+73	End conc. Ramp to Garage 34.8 Rt.			
19+64	Dead man 28.6 Lt.			
19+58	Beg Conc. Ramp to Garage 34.8 Rt.			
19+58	End Board Fence 34.6' Rt.			
19+50				
19+40	Power Pole # ?		28.7 Lt.	
19+27.4	Beg Board Fence 35.6 Rt.			
19+26	Power Pole # P4174		21.3' Rt.	
19+16.68	℄ Paved Alley Rt & ℄ Sewer MH			

6.81
~~5.81~~

℄

N.W. Proj Hub Pacific Beach & Dawes

+0.0	+0.0	+0.2	+0.2	-0.6	+0.0	-0.5	-0.9	-0.9	+0.5	+1.1	+1.7
6.77	6.8	6.6	6.5	7.4	6.8	7.3	7.7	7.2	6.3	5.7	5.5
39.4	24	21	14	11		8	9	12	21	40	50

0.0
6.77
39.4

1.33 1.38
5 x 8 5 x 3
34.8 43.6
Gar Fl

1.37 1.41
5 x 9 5 x 0
34.8 43.7
Gar Fl

0.5	0.7	1.6	1.5	0.6	0.3	0.6	0.9	0.5	0.0	0.7	1.4	1.3	1.7
6.3	6.1	5.2	5.3	6.2	6.5	6.2	5.9	6.3	6.8	6.1	5.4	5.5	5.5
50	40	25	20	12	11	8		7	11	15	22	40	50

1.3	1.3	1.7	0.8	1.6	1.1	0.6	0.5	1.1	1.5	0.8	0.8
5.5	5.5	5.6	6.0	5.17	5.7	6.3	6.3	5.7	5.3	5.99	5.99
50	40	17	11	Rim	7	10	13	17	23	39.6	50
										Pav	

6.81
~~5.81~~

(Contd Dawes St Contd. Next Page)

B.M.	7.15	9.01	3.82	1.86	2.03
		5.68		0.59	
T.P.	5.09	~~4.67~~	4.72	~~0.44~~	

NE Cb Ret — B.C. on Dawes

NW Cb. Ret. — B.C. on Dawes

20+71.48 ℄ Pacific Beach Drive

20+53.48 Cb Line on Rt. Gutter Line on Lt.

20+50.78 Cb Line on Lt.

20+40.54 Edge Conc. Paving

5.31
~~4.21~~

JEBP Bayard & Pacific Beach Dr.

50

-0.50 -1.17 -0.58 -1.14 -0.48 -1.08 -0.41 -0.95
5.81 6.48 5.33 6.45 5.75 6.39 5.72 6.26
Cb G Cb G Cb G Cb G
EC ② ① BC

-0.62 -0.03 -0.76 -0.11 -0.67 -0.07 -0.65 -0.09
5.73 5.34 6.07 5.42 5.98 5.38 5.96 5.40
G Cb G Cb G Cb G Cb
BC ① ② EC

-1.08 -1.37 -0.08 -0.05
6.39 6.63 6.33 5.86
40 20 40

-0.90 -1.06 -1.10 -0.87 -0.72 -0.65 -0.09 -0.45 -0.02
6.21 6.27 6.41 6.18 6.03 5.96 5.40 5.76 5.29
90 40 20 20 40 40 90 90
G Cb G Cb

-0.33 -0.98 -0.67 -1.17
5.64 6.29 5.81 6.43
90 90 40 40
Cb G Cb G

-0.41 -0.95 -0.90 -0.76 -0.62 -0.03
5.72 6.26 6.21 6.07 5.93 5.34
22.7 21.1 19.7 21.1 21.1
Cb G G G Cb

5.31
~~4.21~~

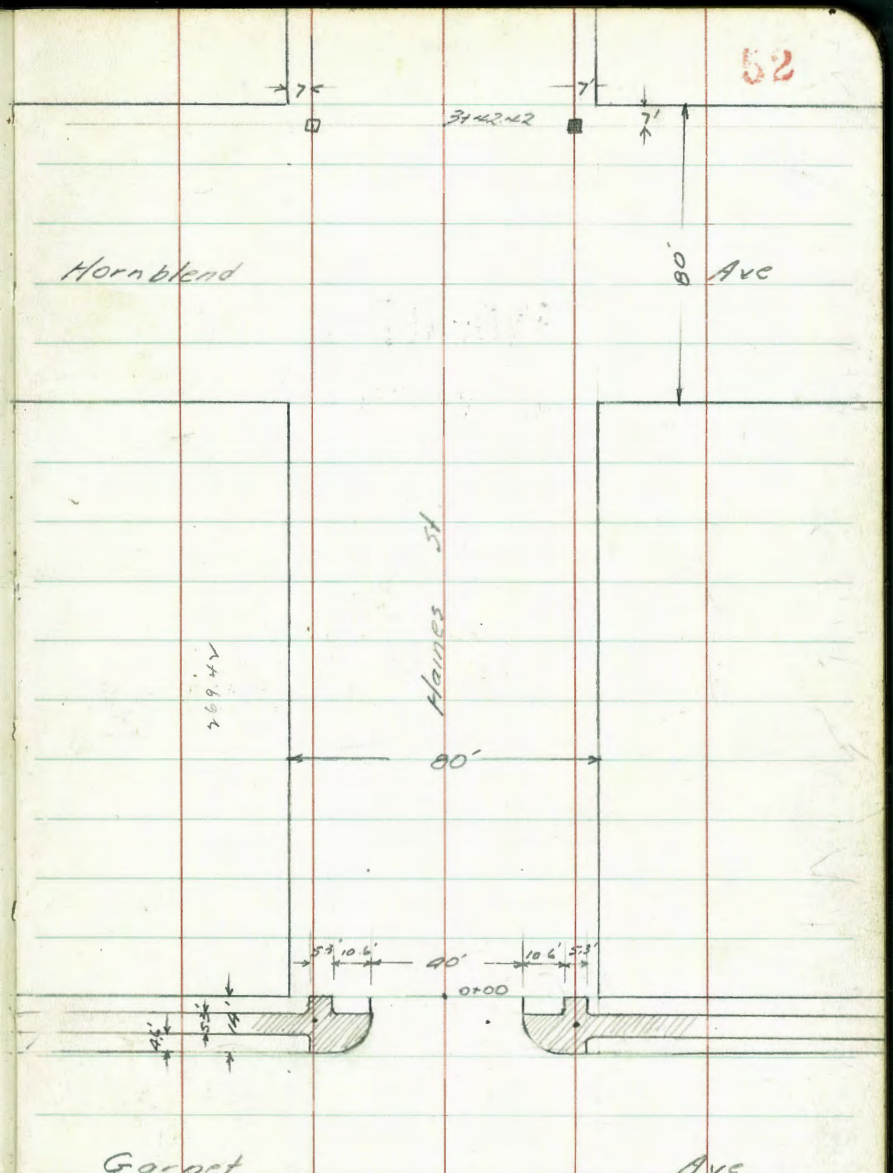
Dawes St. Cont'd.

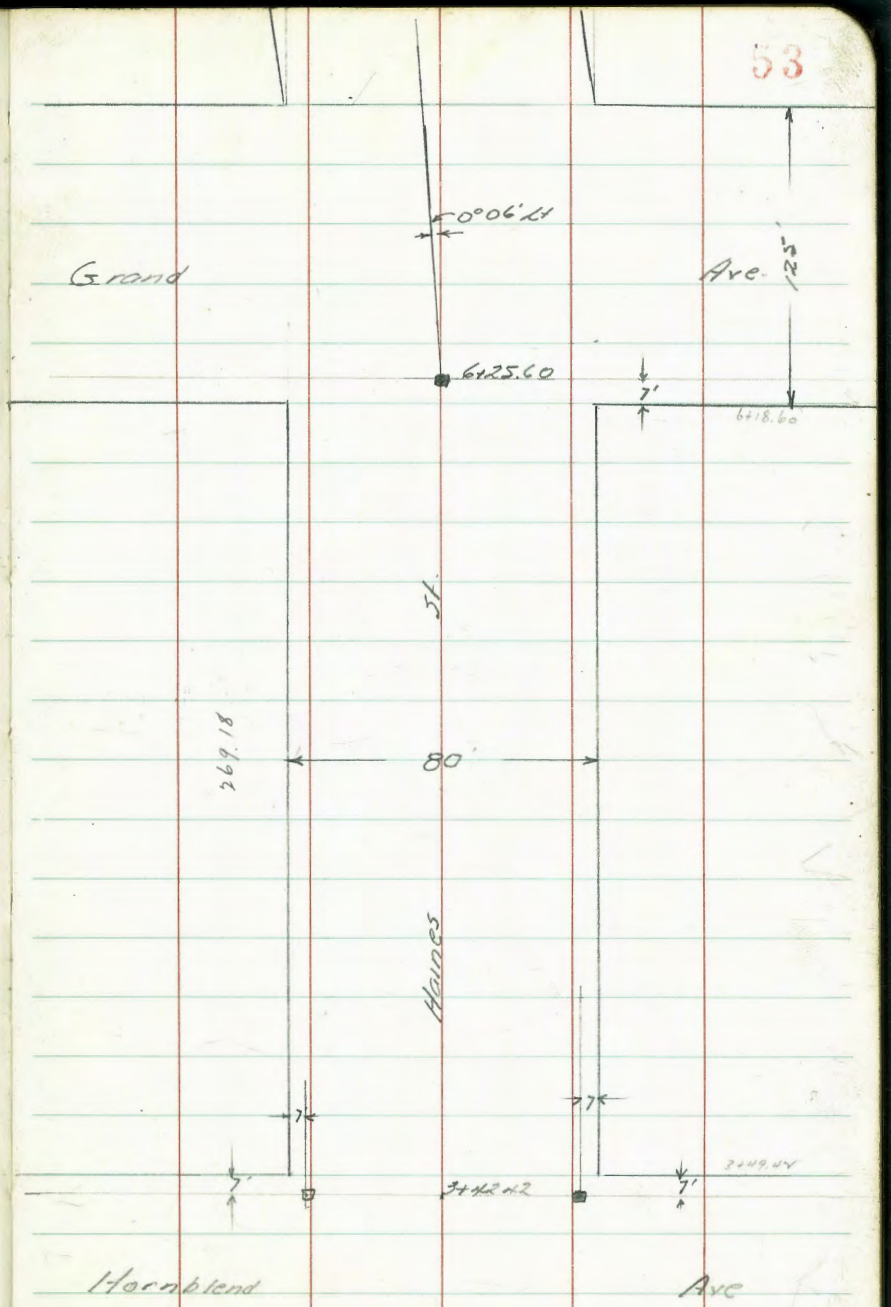
	+	H.I	−	Elev	B.M	
Starting B.M.			2.72	32.54	32.54	N W B.P Garnet & Dawes
B.M.	7.46	35.26	1.43	27.80	27.85	S.E. B.P Garnet & Cass
T.P.	8.65	29.23	0.73	20.58		
B.M			6.96	14.35	14.37	S.E. Top Hydt. Thomas & Cass
T.P.	9.85	21.31	2.22	11.46		
B.M	7.37	13.68	4.68	6.31	6.38	N.E. B.P Thomas & Bayard
T.P.	6.11	10.99	4.13	4.88		
		9.01				

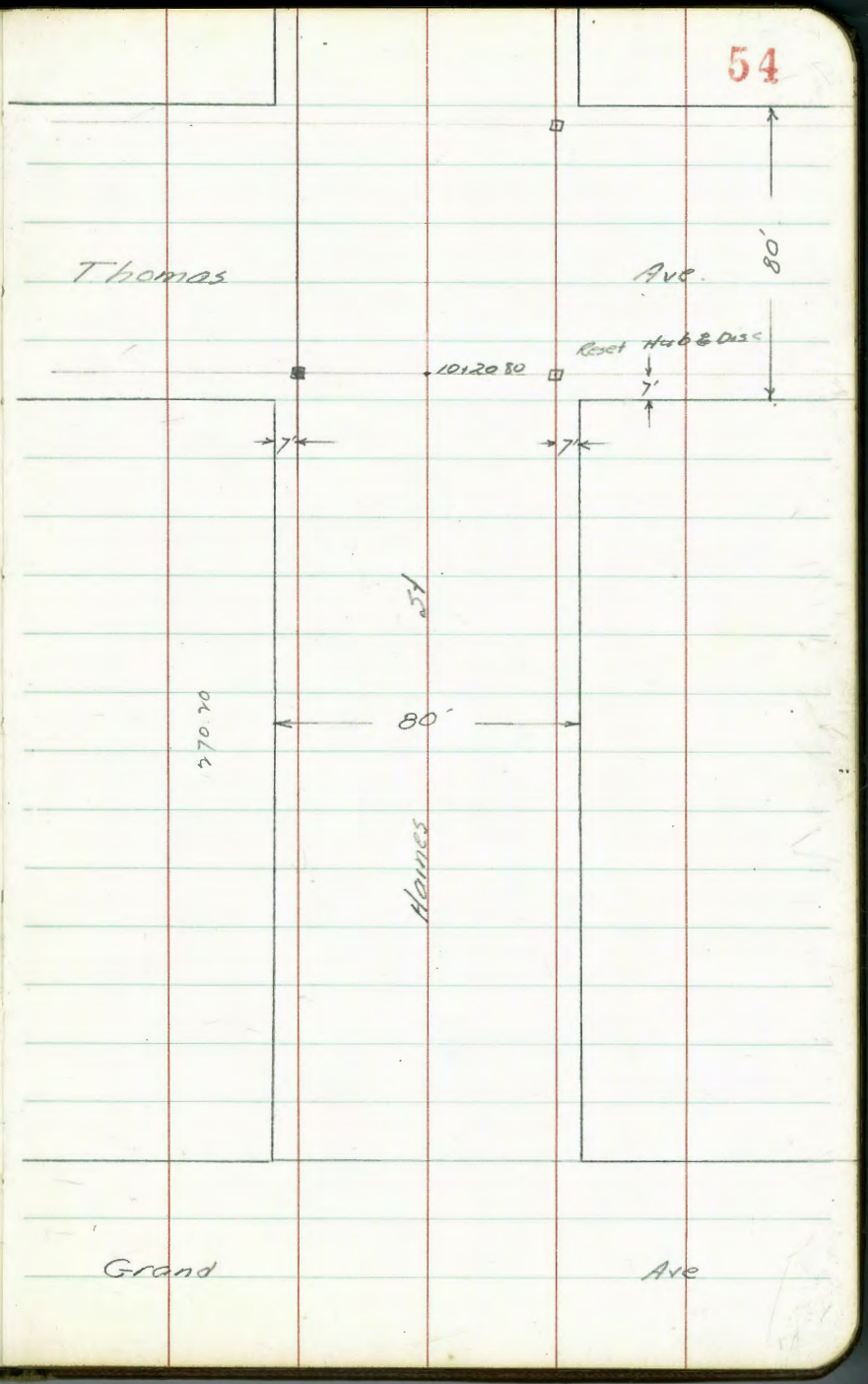
12-10-48
Hendricks
Bramby
Greer
Rorer
WO# 31568

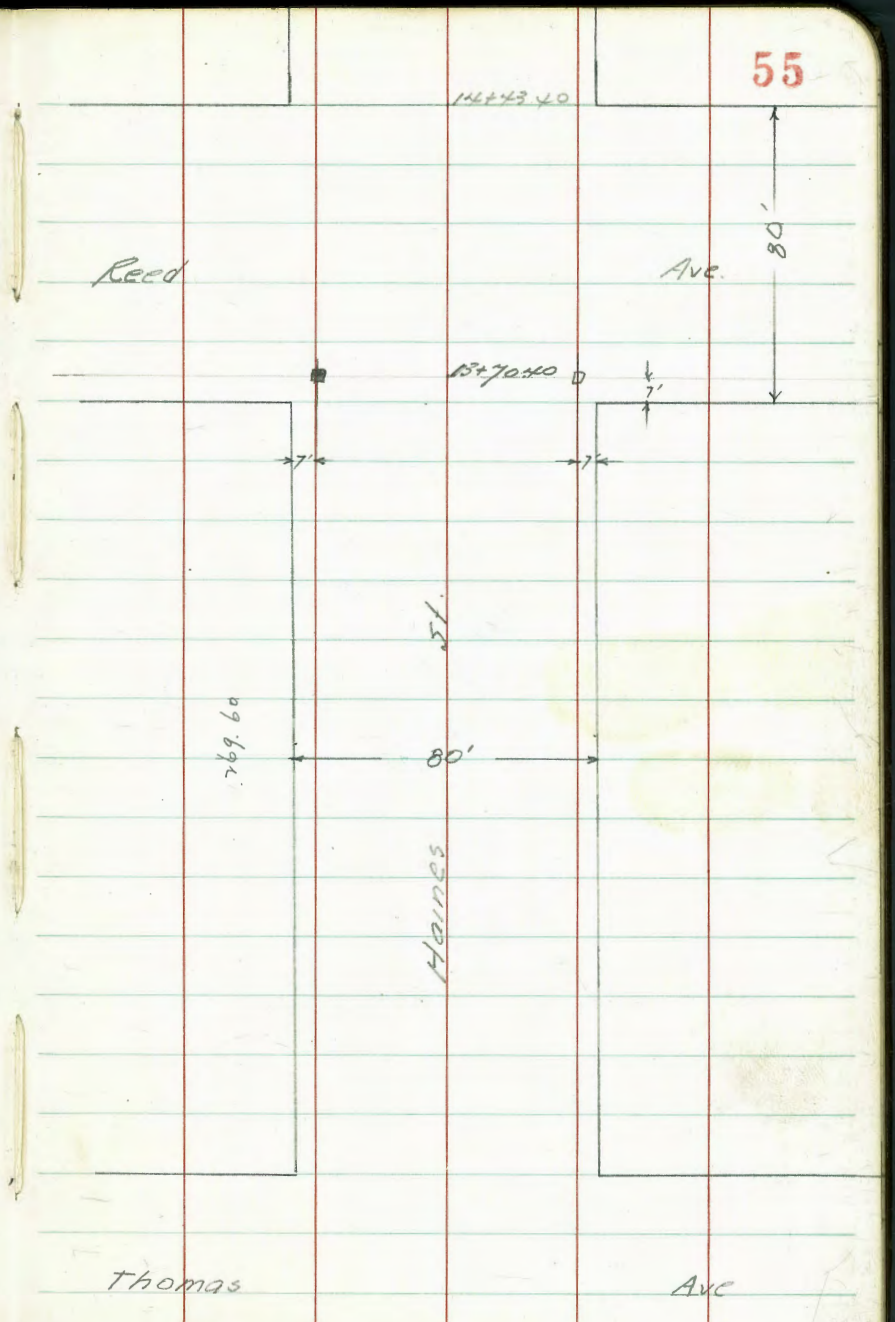
X Sect. Haines St
Garnet to Roosevelt.

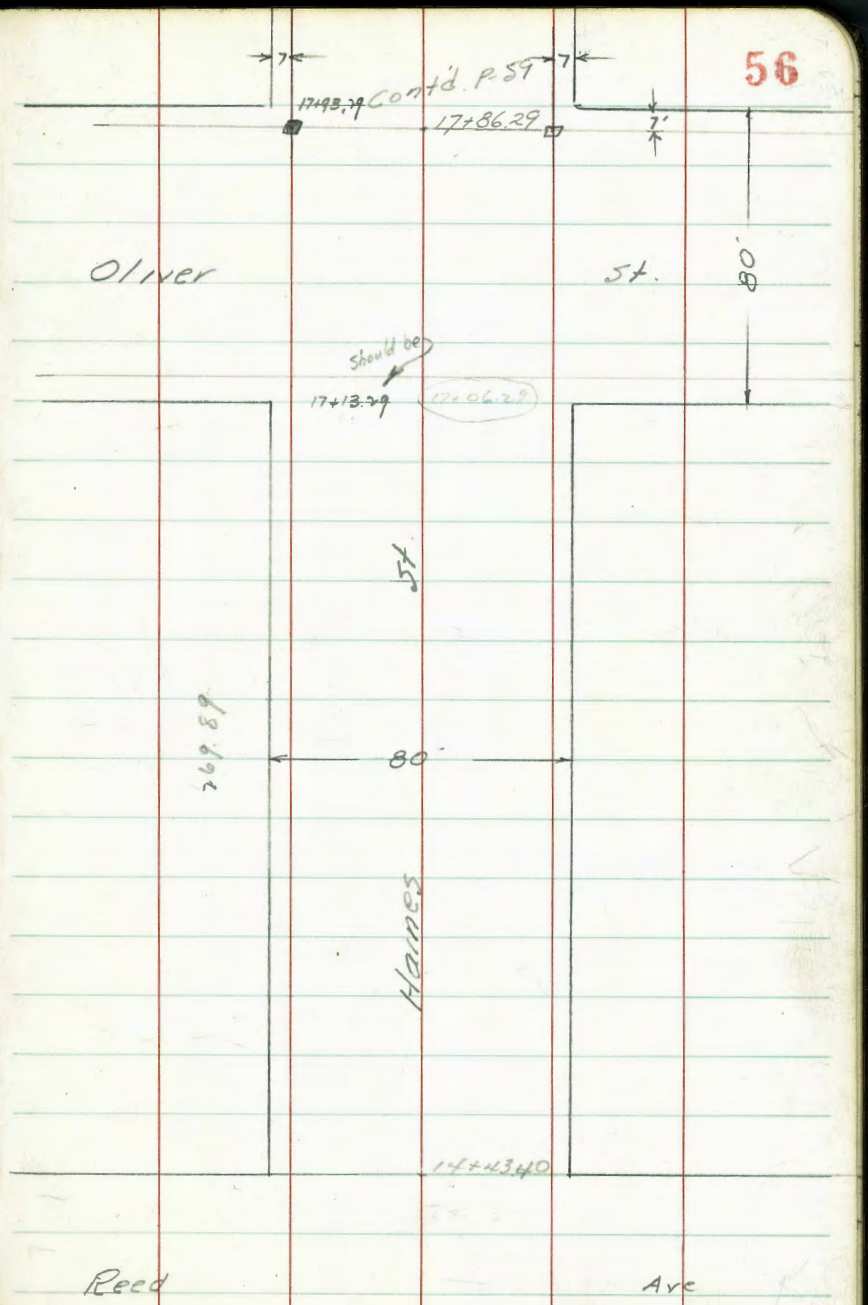
(See FB 1998 for Level Notes)




Grand
Ave
6+25.60
6+18.60
St.
269.18
80'
Haines
Hornblend
Ave


Thomas
Ave.
80'
Reset Hub & Disc
7'
101.20 80
7'
7'
7'
170.20
80'
Haines
Grand
Ave


Reed
Ave.
80'
7'
7'
7'
51'
80'
Haines
Thomas
Ave


7
17+93.79
Cont'd. P. 55
7
17+86.29
7'
Oliver
St.
80'
Should be
17+13.79
17+06.29
St.
80'
Haines
14+43.40
Reed
Ave

2-2-49
Hendricks
W 0 23568

Additional Notes in Alley West from Dawes St. Between Reed & Oliver
(20' Conc. Paving)

Blk "D" Brahmin

15+86.74 So. Line Alley

15+76.74 R Alley

15+66.74 No. Line Alley

BM.	4.82	11.97 / K		7.15

	6.33	6.24	6.24	6.23	6.24	6.23
	5.64	5.73	5.73	5.74	5.75	5.74
39.5	50	60	70	80	90	

	6.49	6.45	6.47	6.43	6.38	6.28
	5.48	5.52	5.50	5.54	5.57	5.69
39.5	50	60	70	80	90	

	6.57	6.57	6.58	6.58	6.59	6.58
	5.40	5.40	5.39	5.39	5.38	5.39
39.5	50	60	70	80	90	

11.97 / K

Rim Sewer MH from (P.26)
(Sta. 15+76.74)

Additional Notes in Alley
West of Dawes Between
Oliver & Pacific Beach Dr.
(15' Conc. Paving)

19+24.18 50. Line Paving

19+16.68 ℄ Alley

19+09.18 No Line Paving

BM 4.9℄ 6.58 1.64

1.03 1.03 1.05 1.05 1.05 1.06
5-55 5-55 5-53 5-53 5-53 5-52
39.6 50 60 70 80 90

0.81 0.81 0.84 0.79 0.85 0.84
5-27 5-27 5-26 5-29 5-23 5-26
39.6 50 60 70 80 90

1.09 1.09 1.11 1.17 1.15 1.18
5-49 5-49 5-47 5-46 5-43 5-40
39.6 50 60 70 80 90

6.58
℄

Rim Sewer MH 19+16.68 P-℄

2-24-49 XSect. Haines St from
Hendricks Reed to Roosevelt
Bramby (See FB 1998)
Greer
Rorer
WO#31568

INDEXED
WK
MAY 20 1949

Fd LBT
Engraham St.

Fd Mon
218.21'
3.79'
41.29'
75'
21+92.79
Set Hub & Disc.
8.29'

59

Pacific Beach 85' Drive
85.17'

8.26'
21+07.62
Set Hub & Disc.

Set Hub & Disc.

St.

80'

316.82 Record
314.33 Meas.

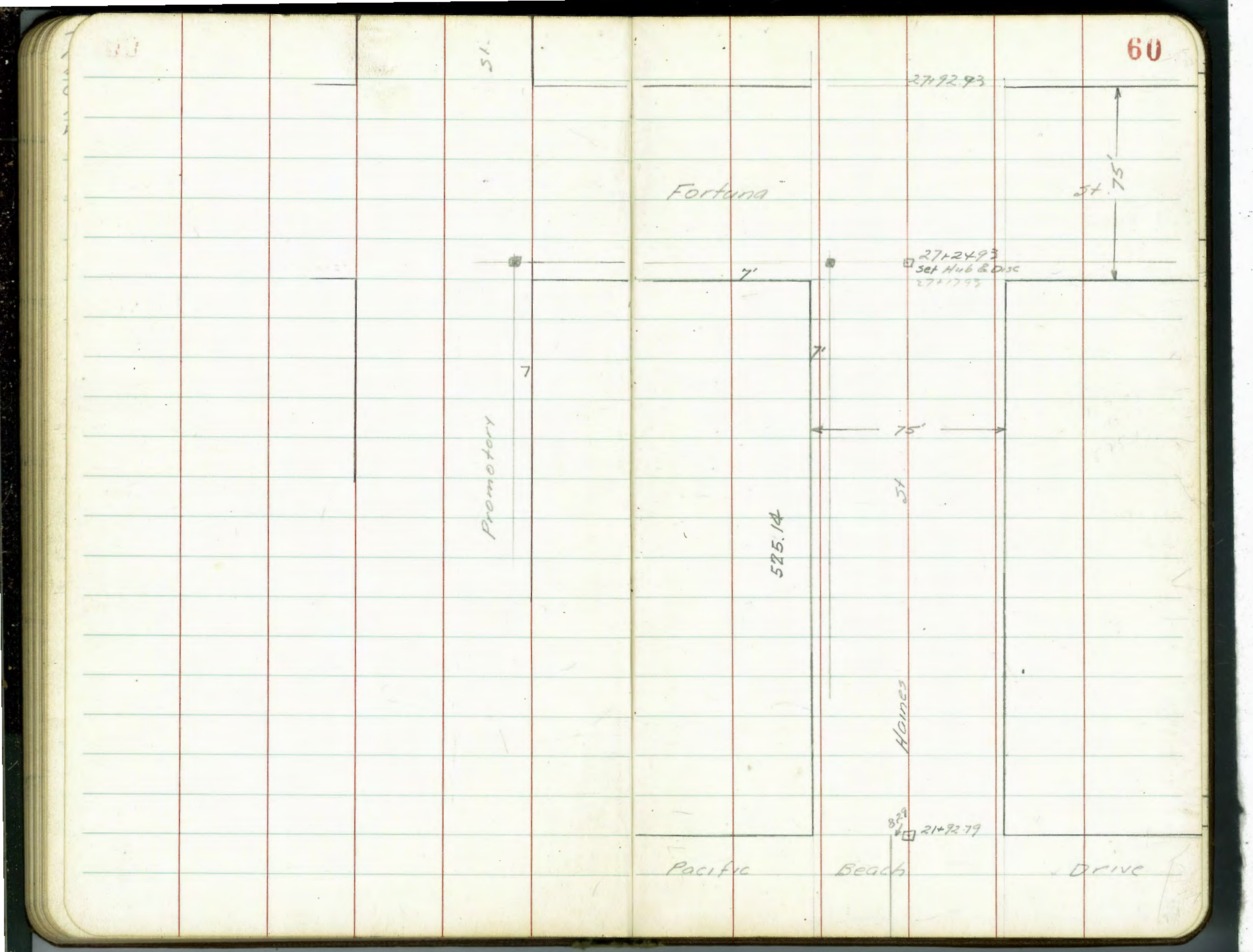
316.57 Record
314.33 Measured

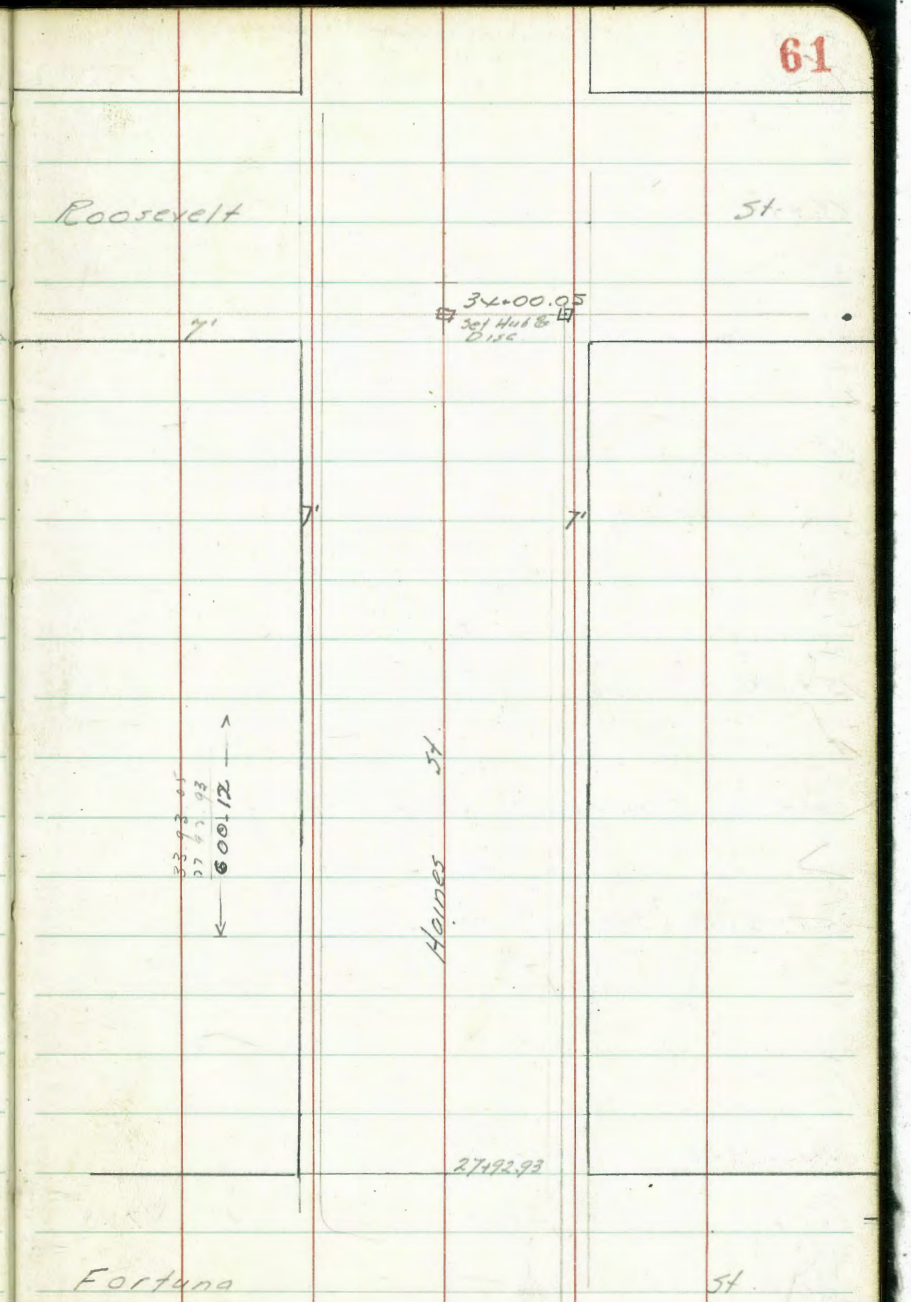
Haines

7'
7'

17+93.79
17+86.29

Oliver Contd. from P. 56 St.


27+92.93
Fortuna
St. 75'
27+24.93
Set Hub & Disc
27+17.93
7'
7'
7
75'
St.
525.14
Promontory
Holmes
21+92.79
Pacific
Beach
Drive


Roosevelt
5th
34+00.05
3/4" Hub & Disc
7'
7'
7'
5th
Haines
600.12
2742.93
Fortuna
5th

2-25-49 X Sect Haines St.
Hendricks Contd from FB 1998 P 71

16+00

15+50

15+00

14+89 Pow. Pole # 4249 26' Lt

14+43.40 To Line Reed

14+03.40 E Reed

B.T. 279 50.77 47.98

44.7	45.0	45.0	44.9	44.6	
6.1	5.8	5.8	5.9	6.2	
50	40		40	50	

45.1	45.4	45.4	45.8	45.5	45.6
5.6	5.4	5.4	5.0	5.3	5.2
50	40		31	40	50

46.3	46.1	46.3	46.5	46.7	46.5	46.1
4.5	4.6	4.5	4.3	4.1	4.3	4.6
50	40		25	34	40	50

47.7	47.4	47.9	47.4	47.1	47.0
3.1	3.2	2.9	3.3	3.7	3.8
50	40		30	40	50

48.1	48.4	49.0	48.9.5	48.7	48.1
2.6	2.4	1.8	1.82	2.1	2.6
50	40	T	14.4	40	50

HE 7' Mon Haines & Reed Rim M.H.

50.77

Haines St. Contd.

18+50

17+99 Power Pole #4173 25' Lt.

T.P.	1267	56.15	7.29	43.48

17+93.29 So Line Oliver

53.71
17+26.29 E Oliver

26+89

13.29
17+06.29 No. Line Oliver

16+50

50.77

56.15

45.7	45.5	44.9	44.0		43.7	43.6		43.3	43.0
10.5	10.7	11.3	12.2		12.5	12.6		12.9	13.2
50	40	25	56.15		22	30		40	50

T.E. 7' Mon Haines & Oliver

44.3	44.1	43.8	43.3	43.0	43.8
6.5	6.6	7.0	7.5	7.8	8.0
50	40		25	40	50

43.9	43.8	43.7	43.8	43.8	43.6
6.9	7.0	7.1	8.0	8.0	8.2
50	40		30	40	50

43.9	43.9	44.0	43.7	43.9	43.9
6.9	6.9	6.8	7.1	6.9	6.9
50	40		25	40	50

44.3	44.1	44.5	44.1	44.6	44.6
6.5	6.6	6.3	6.6	6.2	6.2
50	40		26	40	50

50.77

Holmes St Cont'd

20+47 Power Pole # 4115 25' Lt

20+00

19+70

19+30 ← S.L. Alley

19+26

19+00

56.15

53.6 53.6 53.4 50.4 49.3 48.4 47.8 47.6 47.1 46.8
2.6 2.6 3.1 5.8 6.9 8.0 8.4 8.6 9.1 9.4
50 40 31 27 17 23 32 40 48

51.8 51.6 49.3 49.3 47.4 46.4 46.4 46.5 46.3
4.4 4.6 6.7 7.9 8.8 9.8 9.8 9.7 9.7
40 28 25 17 26 35 40 50

51.6 51.3 50.9 47.9 47.4 46.1 45.3 45.3 45.2
4.6 4.9 5.3 8.2 9.0 10.1 10.3 10.3 11.0
50 40 31 26 23 20 31 40

46.6 46.1 45.4 46.0 44.9 44.5 44.1
7.6 8.1 9.0 10.2 11.3 11.7 12.1
50 40 27 33 40 50

47.5 47.1 46.7 45.7 45.3 44.6 44.3 43.9
8.7 9.1 9.5 10.5 10.9 11.7 11.9 12.3
50 40 25 19 27 40 50

56.15

Haines St Contd.

21+14

21+12.5 Water Dept MH 10' Lt.

TP 5.54 58.29 3.40 52.75

21+09 Sewer MH 17' Rt.

Dists. for Sections Between 21+0762 & 21+61 are taken from the prolongation of Backline.

21+0762 No. Line Pacific Beach Dr.

20+50

56.15

℄

55.1 54.7 54.3 52.9 51.7 50.0 49.0
3.2 3.6 4.0 5.4 6.6 8.3 9.3
50 40 30 23 40 50

53.66
4.63
10'
Rim

58.29

℄ Hub 21+07.62

52.41
5.74
17
Rim

56.1 55.9 54.8 54.4 53.6 52.75 52.3 50.9 51.0 50.7 49.7
0.1 0.3 1.4 1.8 2.6 3.40 3.9 5.2 5.2 5.5 6.2
50 46 40 36 15 Hub 17 32 38 40 50

54.8 54.1 52.4 51.4 50.3 49.1 48.5 47.7
1.4 2.1 3.8 4.8 5.9 7.1 7.7 8.5
50 40 25 19 25 40 50

56.15

Haines St Contd

22+92 Power Pole # 4068 25.7 Lt

22+64 Bell Tel MH 26.3 Lt

22+50

(Distances from ℄ Haines St Ahead)

21+9279 So Line Pacific Beach Dr

21+61

21+43

58.29

53.54
4 25
26.3
Rim

53.8 53.7 53.6 53.9 51.8 51.4 50.9 51.5 51.3 51.3 51.0
4 5 4 6 4 7 5 4 6 5 6 4 7 4 6 8 6 0 6 0 6 3
50 37.5 28 19 13 22 28 32 37.5 50

55.4 55.4 55.4 53.6 53.6 51.9 51.4 51.4 52.0 51.7
2 2 3 1 3 1 4 7 5 7 6 4 7 1 6 2 6 3 6 6
50 37 5 26 17 13 27 32 37 5 50

56.4 55.7 56.0 53.6 52.6 51.4 50.5 49.9
2 1 2 6 3 3 4 1 5 7 6 5 7 8 8 4
50 40 27 12 22 40 50

55.4 55.4 55.4 54.3 53.4 51.3 49.9 49.0
2 9 3 1 3 1 4 0 5 1 7 0 8 4 9 3
50 40 36 21 26 40 50

58.29

Haines St Contd.

25+00					
T.P.	274	48.00	13.03	45.26	
24+50					
24+00					
23+50					
23+00					
		58.29			

46.5 46.5 45.5 45.0 44.8 45.4 44.8 44.5
1.5 1.5 2.5 3.0 3.2 2.6 3.2 3.2
50 37.5 18 24 28 37.5 50

48.00

47.9 47.6 46.8 46.0 45.8 46.4 46.3 45.9 45.5
10 10.7 11.5 12.3 12.5 12.1 12.0 12.4 12.8
50 37.5 19 24 28 30 37.5 50

48.7 48.7 48.1 47.6 47.4 47.4 47.9 47.8 47.5
9.5 9.5 10.2 10.7 10.9 11.1 10.6 10.5 10.8
50 37.5 23 15 25 30 37.5 50

50.3 50.8 50.3 49.0 48.7 48.4 49.8 49.6 49.1
5.0 7.5 8.0 9.2 9.6 9.2 8.5 8.7 9.2
50 27.5 24 14 18 32 37.5 50

53.0 53.1 53.1 50.5 50.4 49.8 50.8 51.7 51.6 51.4
5.3 5.2 6.2 7.8 8.1 8.5 7.5 6.6 6.7 7.1
50 37.5 24 14 22 28 30 37.5 50

58.29

Haines St. Contd.

27+1293 No. Line Fortang

27+00

26+50

26+00

25+93 Power Pole # 7

25+50

48.00

26.5 ↓

43.5 43.3 43.2 42.2 41.6 40.7 41.0 40.7 39.8
4 4 4 5 6 7 7 7 8
50 37.5 31 21 18 27 37.5 50

45.1 43.8 42.6 42.2 42.3 42.0 41.2 41.6 40.9 40.1
3 4 5 5 5 6 6 6 7 7
50 37.5 24 15 9 17 26 37.5 50

45.0 44.7 43.6 43.7 43.1 42.5 42.8 42.2 41.4
3 3 4 4 4 5 5 5 6
50 37.5 26 19 16 25 37.5 50

45.5 45.5 45.2 44.6 43.9 43.5 43.8 43.5 43.5
2 2 2 3 4 4 4 4 4
50 37.5 30 26 15 26 37.5 44

46.2 46.2 45.2 44.6 44.4 44.0 44.5 44.2 43.5
1 1 2 3 3 4 3 3 4
50 37.5 21 18 24 29 37.5 50

48.00

Haines St Contd.

29+00

28+92 Power Pole # 3783 25' Lt

28+50

27+928 Joline Fortuna

27+81 Tel. MH 25.5 Lt

27+82 Tel. Pole #32x81 H 28' Rt.

27+55.43 ℄ Fortuna MH 7' Rt

27+28

48.00

41.4 40.4 39.6 38.0 37.4 37.1 35.1 37.7 37.7
6.8 7.6 8.4 10.0 10.6 10.9 12.9 15.2 15.2
50 37.5 25 18 28 37.5 37.5 50

?

41.4 40.7 40.1 39.1 38.8 38.5 38.4 37.4 36.3
6.6 7.2 7.9 8.9 9.2 9.5 9.8 10.6 11.7
50 37.5 25 19 18 18 37.5 50

41.5 41.1 41.1 40.7 40.0 40.0 39.7 39.6 39.2 38.9 37.7
6.2 6.9 6.9 7.3 8.0 8.0 8.3 8.4 8.8 9.1 10.3
50 37.5 27 20 17 11 33 37.5 50

41.04
6.96
25.5
Rim

41.9 41.7 41.4 40.8 40.7 39.7 38.8 37.5
6.1 6.7 6.8 7.2 7.8 8.3 9.2 10.5
50 37.5 22 7 23 37.5 50
Rim MH

42.7 42.4 41.8 41.4 40.5 39.1 37.6
5.3 5.6 6.2 6.6 7.5 8.9 10.4
50 37.5 20 18 37.5 50

48.00

Haines St. Cont'd.

31+50				
31+00				
30+50				
30+00				
29+50				
T.P.	6.93	44.37 48.00	10.56	37.44

℄

31+50:
41.0 40.1 39.4 37.6 37.1 35.9 33.4 31.5
3^{4} 4^{3} 5^{0} 6^{8} 7^{3} 8^{5} 11^{0} 12^{9}
50 375 24 16 19 375 50

31+00:
41.1 40.6 39.9 37.1 36.3 35.3 33.7 31.0
3^{3} 3^{8} 4^{5} 7^{3} 8^{1} 9^{1} 11^{7} 13^{4}
50 37^{5} 26 18 19 37^{5} 50

30+50:
41.2 40.4 39.6 37.2 36.2 35.3 33.0 31.3
3^{2} 4^{0} 4^{8} 7^{2} 8^{2} 9^{1} 11^{4} 13^{2}
50 37^{5} 27 18 19 375 50

30+00:
42.1 42.0 40.4 39.9 37.5 36.5 35.8 33.4 32.0
2^{3} 2^{4} 4^{0} 4^{5} 6^{9} 7^{9} 8^{6} 11^{0} 12^{4}
50 41 36 24 18 17 375 50

29+50:
41.9 40.3 39.9 38.1 37.0 36.1 34.0 32.9
2^{5} 4^{1} 4^{5} 6^{3} 7^{4} 8^{3} 10^{4} 11^{5}
50 375 24 19 24 375 50

44.37

Haines St. Cont'd

33+51 Sewer MH 5.8 Rt.

33+50

33+00

32+50

32+00

31+93 Power Pole # 3935 28' Lt.

4437

39.71
5.6
5.8
Rim

41.4 41.1 40.7 39.5 39.2 38.8 38.0 37.1
3.0 3.3 3.7 4.2 5.2 5.6 6.4 7.3
50 37.5 20 14 24 37.5 50

41.8 41.6 41.0 40.6 39.7 39.0 38.8 38.7 37.0 35.8
2.6 2.8 3.4 3.8 5.2 5.4 5.6 6.2 7.4 8.6
50 42 37.5 20 14 13 24 37.5 50

41.3 40.7 40.0 39.9 38.6 38.3 37.8 35.9 35.0
3.1 3.7 4.4 4.5 5.8 6.1 6.6 8.5 9.4
50 37.5 30 20 15 19 37.5 50

41.7 40.7 40.1 38.1 37.7 37.0 35.8 35.0
3.2 3.7 4.3 6.3 6.7 7.4 8.2 9.4
50 37.5 21 15 18 37.5 50

4437

			7+24	37.27	37.35
TP	509	44.51	4.95	39+42	

34+68.05 So Line Roosevelt

34+30.55 E Roosevelt

33+93.05 No Line Roosevelt

44.37

SE Top F. Hydt. Ingraham & Roosevelt.

On Hub & Haines No. 7 Line Roosevelt

40.4	40.7	39.6	39.6	39.5	38.1	38.0	
X 0	3 7	X 5	4 8	4 5	6 3	6 4	
50	25	15		24	42	50	

39.8	39.9	40.5	39.6	39.5	38.9	37.6	36.3
3 5	3 5	3 9	4 6	4 9	5 5	6 8	8 1
50	37.5	23	16		21	37.5	50

41.0	40.6	40.7	39.7	39.7	39.1	38.1	38.3	37.3
3 4	3 8	3 7	4 2	4 7	5 3	5 3	6 1	7 1
50	37.5	23	15		14	25	37.5	50

44.37

D. Smith
W. Moore
J. Clark
F. Acuna

Re X Sec Alley Blk 6 North Shore Highlands

W.O. 25020
7-27-49

Note; Sketch in F.B. 1691-25

Lt = North & Rt = South

0+50	10' Rt	Begin 4½' Board Fence
	10½ Rt	End 6' con Brick wall 8" wide
	10½ Lt	End 7' Board Fence
0+25	10½ Rt	End 8' con wall & Trash Holder
0+20		
0+09	10½ Lt	End Foundation under Fence Board Fence con.
0+00	10½ Rt	6' con brick wall 8" wide Begins
0+00		East Prop Fanuel St Edg & con paving
0+00	10½ Lt	Begin 7' Board Fence con Foundation
0-20		East curb line Fanuel St

T.P	8.28	84.65	1.03	76.37	NE 7½ Lt Missouri & Fanuel
BM	10.39	77.40		67.01	SW 7½ Lt Everts & Missouri

82.3 24 / 10
82.2 25
82.1 26 / 10
81.1 36 / 10½ Coating
83.37 +1.28 / 10½ Top wall

80.86 3.29 / 10½
80.87 3.28 / 14½

82.0 27 / 10½ Fence
81.9 28 / 10
81.6 34
81.1 36 / 10
81.2 35 / 10½ Top wall

81.0 3.2 / 10½ Coating
81.60 3.05 / 10½ Top

81.63 3.02 / 10½ Top Con Foundation
80.2 4.5 / 10½ Footing
80.35 4.30 / 10 Cur 6
79.80 4.85 / 10 Sgt
79.49 5.16
79.73 4.92 / 10 Sgt
79.85 4.80 / 10 Cur 6
79.6 5.1 / 10½ Coating
83.69 +1.05 / 10½ Top wall

81.09 3.54 / 5.3 Cur 6
80.52 4.13 / 5.0 Sgt
80.10 4.55 / 10 Cur 6
79.59 5.06 / 10 Sgt
79.34 5.31
79.10 5.55 / 10 Sgt
79.63 5.02 / 10 Cur 6
78.03 6.62 / 5.0 Sgt
78.67 5.98 / 5.0 Cur 6

84.65

Notes Reduced & Plotted Profile #4040 McClanen 9-1-49

Cont.

2+50 82 Lt ℄ Power Pole # A1371

2+42 10 Rt ℄ 4'x4' Trash Burner Brick

10° Lt Begin 5½' wire fence

2+00 9 Lt End 6' Board Fence with 10" wide con foundation

9 ℄ Lt Begin 6' Board Fence 10" wide con. Foundation

10 Lt End 5' Board Fence

1+50 10° Rt End 5' con wall

TP 7.28 90.19 1.74 82.91

1+26 10° Rt ℄ 3' con walk

1+15 10' Lt ℄ 12.5 con apron & double garage con floor

10 Lt Begin 5' Board Fence

1+00 9 Rt Begin 5' con wall 8" wide

9 Rt End 4½' Board Fence

9° Lt ℄ Power Pole # A1321

Lt ℄ Rt

82.1 83.9
8' 6.3
10 10.5
Footing grade

84.1 84.03 83.8 84.7 83.5 83.2 82.2
6' 6.6 6.4 6.6 6.7 7.0 8.0
15 9.5 9.5 9.5 10 20
Top Foundation Footing

83.8 83.85 83.4 83.6 83.0 82.8 81.7 87.25 82.5 81.81
6.4 6.34 6.8 6.6 7.2 7.4 8.5 29.4 7.2 8.4
15 9.2 9.8 9.8 10 10 10 Top wall 12 20
Top Foundation Footing Footing

90.19

82.56
2.09
10
walk

84.41 83.39
+0.24 1.26
45 Elbow 10.1 Apron

83.2 83.1 82.7 82.3 81.6 87.23 82.3.1
1.5 1.6 2.0 2.4 3.4 +2.58 2.4
15 10 92 9.2 9.9 Footing 9.9 Top wall 15

84.65

cont.

11° Rt Begin 4' steel wire fence
9.8 Rt End 4' wire fence

4+50 10.6 Lt End Board fence Begin 5' wire fence

4+19 8.6 Lt ℄ Anchor wire

10.5 Lt End wire fence Begin 4½' Board fence

4+00 9.3 Lt ℄ Power Pole # A1384
10.4 Rt wire fence continues

3+50 10.5 Lt Begin 6' wire fence

3+00 10.4 Lt End 5' wire fence
10.2 Rt Begin 3' wire fence

2+50 10.2 Lt to wire fence here cont.

	Lt	℄	Rt
	87.3	87.1	86.9	86.8	86.6
	2.9/20	3.1/10	3.3	3.4/10	3.6/20
	86.1	86.5	86.4	85.9	85.5
	3.5/20	3.2/10	3.8	4.3/10	4.7/20
	85.6	85.4	85.2	84.9	84.4
	4.6/20	4.8/10	5.0	5.3/10	5.8/20
	85.3	84.9	84.6	83.8	83.0
	4.7/20	5.3/10	5.6	6.4/10	7.2/20
	85.0	84.8	84.1	83.5	82.0
	5.2/15	5.4/10	6.1	6.7/10	8.2/20

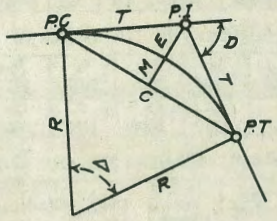
90.19

						Lt	℄	Rt
	cont							
BM			6 01	76 37	76 37 NW 7'LzT Missouri Faucet			
TP	3 56	82 38	8 94	78 82	NW 7'LzT Missouri Gresham	84.60	84.07	83.51
4+19 52	West curb line Gresham St					3 16 50 Curb	3 69 50 St	4 25 10 Curb
4+99 52	West Prop. Gresham St edge con paving							
	10 94 End wire fence							
TP	3 54	87 76	5 97	84 22				
4+98	9 Lt E Tel pole # 481703 H							
4+91	11 Lt End 5' wire fence							
4+80								

Lt	℄	Rt
82.98	82.59	82.76
4 78 10 St	5 17	5 50 10 St
83.65	83.04	82.73
4 11 10 Curb	4 22 10 St	5 03
87 76		
86.6	86.2	85.8
3 6 20	4 2 10	4 4
90 49		

Lt	℄	Rt
82.76	81.03	81.61
5 00 10 Curb	6 73 50 St	6 15 50 Curb
82.98	83.02	
4 78 10 St	4 74 10 Curb	
85.9	85.9	
4 3 10	4 3 20	

DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES



CURVE FORMULAS

Radius=R=$\frac{50}{\text{sin. } D/2}$ (1) Degree of Curve=D and sin. $\frac{D}{2}=\frac{50}{R}$ (2)

Tangent=T=Rtan$\frac{\Delta}{2}$ (3) Length of Curve=L=100$\frac{\Delta}{D}$ (4)

Middle ordinate=M=R(1—cos. $\frac{\Delta}{2}$) (5)=Rvers $\frac{\Delta}{2}$ (6)

External=E=Ttan$\frac{\Delta}{4}$ (7)=R ÷ cos.$\frac{\Delta}{2}$—R(8)=Rexsec$\frac{\Delta}{2}$(9)

Long Chord=C=2 R sin.$\frac{\Delta}{2}$ (10) Δ=Central Angle

EXPLANATION AND USE OF TABLES

Stations.—Given P. I.=Sta. 161+60.35 to find Sta. of P. C. and P. T. Δ=62° 10′ D=8° 20′. From Table IV for 1° curve T=3454.1 and ÷8⅓=414.49 ft. From Table V correction=.36 or T=414.85 ft. P. C.=Sta. P.I.—T=157 +45.50. Also from (4) L=746.00 and P. T.=Sta. P. C.+L=164+91.50.

Offsets.—Tangent offsets vary (approximately) directly with D and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent offset for 100 ft.=7.27 ft. Distance=158—Sta. P. C.=54.50, hence offset=7.27 $(54.50 \div 100)^2$=2.16 ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus $(54.50)^2 \div (2 \times 688.26)$=2.16 ft.

Deflections.—Deflection angle=½ D for 100 ft., ¼ D for 50 ft., etc. For c ft.=(in minutes) .3 x C x D° or=defl. for 1 ft. from Table III x C. For Sta. 158 of above curve=.3 x 54.5 x 8⅓=136.2′ or 2° 16.2′, or=2.50 x 54.5=136.2′ from Table III. For Sta. 159 deflection angle=2° 16.2′ +8° 20′ ÷2=6° 26.2′, etc.

Externals.—May be found in similar manner to tangents. Thus E for curve above is 115.37. For from Table IV for 1° curve E=960.6 for 8° 20′=960.6 ÷8⅓=115.27 and from Table V correction=.10 or E=115.37 ft. Or suppose Δ=32° and E is measured and found to be 42 ft. What is D? From Table IV E=230.9 and ÷42=5.5 or D=5° 30′.

20 + 8 + 28
7 + 4
20 + 0 + 4

22 54 HWBP Dawes & Garnet

3+08.55
50
58

17+11.88
14+41.60
2 30.28
1 85.14
14 41.60
10 76.74

20+53.48
27
20 26.75

20+41.48
17+91.88
2 49.60
1 24.80
17 91.88
19+16.68

4+97.5
40
57.7
4.84
5 3/4

79
77.0

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9+(20—16)÷2 or 2 ft. added to 41.9 =43.9. For slopes of 1 on 1 see inside of front cover.

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