G-116

DIETZGEN

TRADE MARK

ENGINEERS' LEVEL BOOK

No. 410

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.

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386.39 S.0089

1132-33-34

Bancroft
L.M.

Coss
Daniels
Fjeets
Fenwell
Gresham
Hoines
Ingraham
Sewell
Kendall
Lamont
Morrell
Hayes
Otsby
Pendleton

MICROFILMED
APR 7 1965

Indexed

Grades On Juniper St.
From E.L. 32nd St to N.L. Felton St.

	N.L.		S.L.	
E.L. 32nd St	290.75		288.75	
50' E	91.87		91.00	
100	93.00		92.25	
150	94.12		93.50	
200 = N.L. Bancroft	295.25	295.00	294.75	294.50
E.L. Bancroft	293.75	293.50	293.75	
50' E	89.23		89.23	
100' E	84.70		84.70	
150 E	80.18		80.18	
200' E = N.L. 33rd	275.65		275.65	
E.L. 33rd	270.05		270.05	
50' E	66.23		66.23	
100' E	62.40		63.20	
150' E	58.58		59.78	
200' E = N.L. Felton	254.75		256.25	

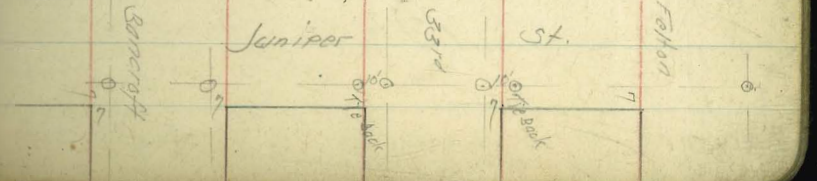
S.L. 5.55
Bliss
Northern

255.48
9.42
265.94
0.80
264.14
12.58
276.66
0.40
276.26
12.53
288.79
0.66
288.14
11.97
299.91
9.35
290.83
292.08

BV
SE Juniper & Felton

S.E. Cut
Stake

N	299.91 290.75 9.8 5.8 +3.4	99.91 91.87 8.0 5.4 +2.6	99.91 93.00 6.9 4.9 +2.0	99.91 94.12 5.8 4.1 +1.7	99.91 95.00 cb 4.91 4.92 cb
S	99.91 289.75 10.2 7.8 +2.4	99.91 91.00 8.9 7.3 +1.6	99.91 92.25 7.6 7.1 +0.5	99.91 93.50 6.4 6.1 +0.3	99.91 94.50 5.41 5.43 cb
N	99.91 293.50 6.41 T.C. 6.42	99.9 89.23 10.7 8.2 +2.5	88.6 84.70 3.9 4.3 +7.6	88.59 80.18 8.4 7.7 +0.7	88.59 75.65 12.9 10.6 +1.3
S	99.91 293.50 6.41 cb 6.45	99.9 89.23 10.7 8.0 +3.7	99.9 84.70 7.5.7 11.6 +3.6	88.59 80.18 8.4 6.9 +1.5	76.66 75.65 1.0 0.4 +0.6
N	76.66 270.05 6.6 6.7 -0.1	76.66 66.23 10.4 13.7 -3.3	64.94 62.40 2.5 16.5 14.0 21' out	64.94 58.58 6.4 18.0 -11.6	64.94 54.75 10.2 13.0 -2.8
S	76.66 270.05 6.6 6.4 +0.2	76.66 66.23 10.0 10.1 -0.1	64.9 63.20 1.7 1.9 -0.2	64.94 59.78 5.2 5.3 -0.1	64.94 56.35 8.6 9.1 -0.5



Grades On 32nd St
From S.L. Kalmia to N.L. Ivy

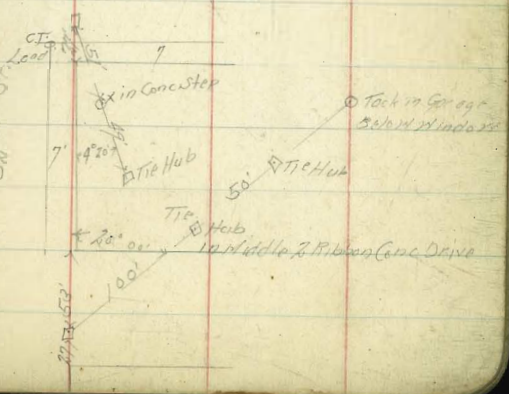
		N	E
N.L. Juniper		290.10	290.75
47.5' N		292.30	292.63
95' N	brk	294.25	294.50
127.5' N		295.15	295.28
160' N	brk	296.05	296.05
210' N			297.00
298.75 S.L. Kalmia			298.75

		N	E
S.L. Juniper		289.25	289.75
50' S		287.42	287.92
100' S		285.58	286.09
150' S	brk	283.75	284.25
200' S		282.59	283.25
250' S		281.42	282.25
300' S = N.L. Ivy		280.25	281.25

297.08							
7.57							
297.65							
12.84							
286.81	E	99.65	299.65	299.65	299.65	299.65	299.65
3.11		290.75	292.63	294.50	295.28	296.05	297.00
289.92		8.9	7.0	5.8	4.4	3.6	2.6
3.11		5.5	4.6	3.8	3.7	3.4	2.6
286.81		+3.4	+2.4	+1.3	+0.7	+0.2	0.0
10.78							
297.59							
4.0							
293.59	W	99.65	99.65	299.65	299.65	299.65	
3.4 SF Bancroft + Juniper		290.35	292.30	294.75	295.15	296.05	
		9.3	7.3	5.4	4.5	3.6	
		6.1	5.3	4.4	4.0		
		+3.2	+2.0	+1.0	+0.5		3.84 Top Curb

E	289.75	99.65	99.65	89.92	89.92	89.92	89.92
		87.92	86.09	84.25	83.25	82.25	81.25
		11.7	13.6	5.7	6.7	7.7	8.7
		9.2	11.0	4.6	5.9	7.3	8.4
		+2.5	+2.6	+1.3	+0.8	+0.4	+0.3
W	289.25	99.65	99.65	89.92	89.92	89.92	89.92
		87.42	85.58	83.75	82.59	81.42	80.25
		12.2	14.1	6.2	7.3	8.5	9.7
		9.7	12.6	4.7	6.9	8.0	9.2
		+2.5	+1.5	+1.5	+0.4	+0.5	0.0

Juniper St



Ivy St

28th Street Paving

89.86 89.10
91.27 89.48
89.85
90.60 90.23

Nutmeg

91.00 .90
91.73 .86
.70
91.28 90.60 90.85

Break 97.87 97.20 97.45

301.61
97.45
4.16 Brk
6.32
-2.16

St.

95.93 95.15 95.40

301.61
95.40
6.21
7.06
-0.85

95.23

Palm

94.34 Paving
.24
.19
.14
10
93.76 Catch Basin
94.86 94.20 94.45

301.61
94.45
7.16
7.92
-0.76

28th

150

Break 296.66 96.00 96.25

301.61
96.25
5.36
5.54
-0.18

4.62
.18
4.44 Rod
1.05
5.49 Set

309.01 08.32 Paving 08.57

Redwood

294.95 Palm + 28th
6.66
301.61

Brk
4.75
2.16
2.59 Rod
.85
3.44 Set

SL Palm
-0.85 3.35 3.04 2.87 2.88 3.18 3.59 4.00
-0.76 -0.45 -0.28 -0.29 -0.59 -1.00 -1.41

2.59 Rod
1.67
4.26 Set

NL Nutmeg
-1.67 4.30 4.06 3.95 3.92 3.90 2.41 2.23 2.23
1.71 -1.47 -1.36 -1.33 -1.31 +0.18 +0.36 +0.36

2.51 2.52 2.44 2.67 3.46 4.55 4.67 Break
+0.08 +0.07 +0.15 -0.08 -0.87 -1.96 -2.08 -2.16

NL Palm
-0.76 5.42 5.71 5.45 5.29 4.88 25 S Brk
-0.98 -1.27 -1.01 -0.85 -0.44

316.96 Redwood + Granada
2.52
319.48

SL Redwood
08.57 4.97 4.87 4.80 4.75 4.95 4.97 4.98 4.78
10.91 -0.53 -0.43 -0.36 -0.31 -0.51 -0.53 -0.54 -0.34
11.96
-1.05

4.97 5.04 5.03 4.98 4.97 4.85 4.93 4.85 4.67 Brk 4.62
-0.53 -0.60 -0.59 -0.54 -0.53 -0.41 -0.49 -0.41 -0.23 -0.18

Natmeg Paving

East

95.37 94.70 94.15 94.75

Break 96.02 95.35 94.80

50

Natmeg

Break 94.98 94.30 93.65 94.20

50

91.00 90.60

28th St.

Maple St

265.04 64.40 64.65

St

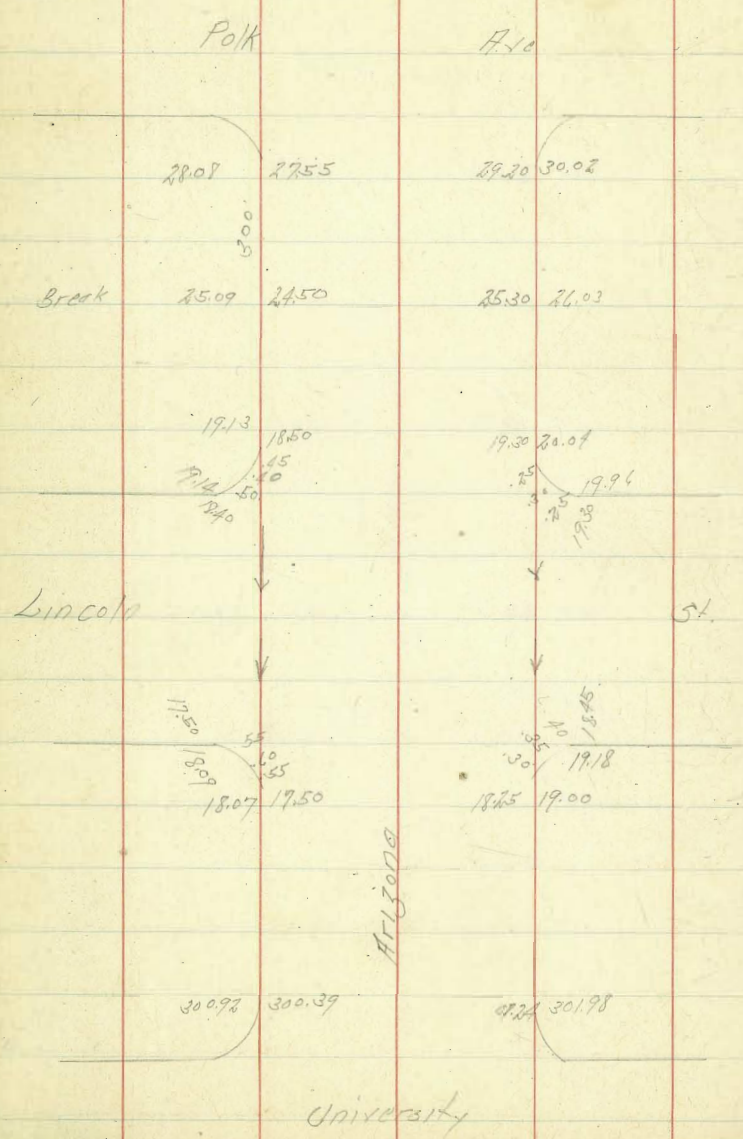
Break 83.18 82.50 82.25

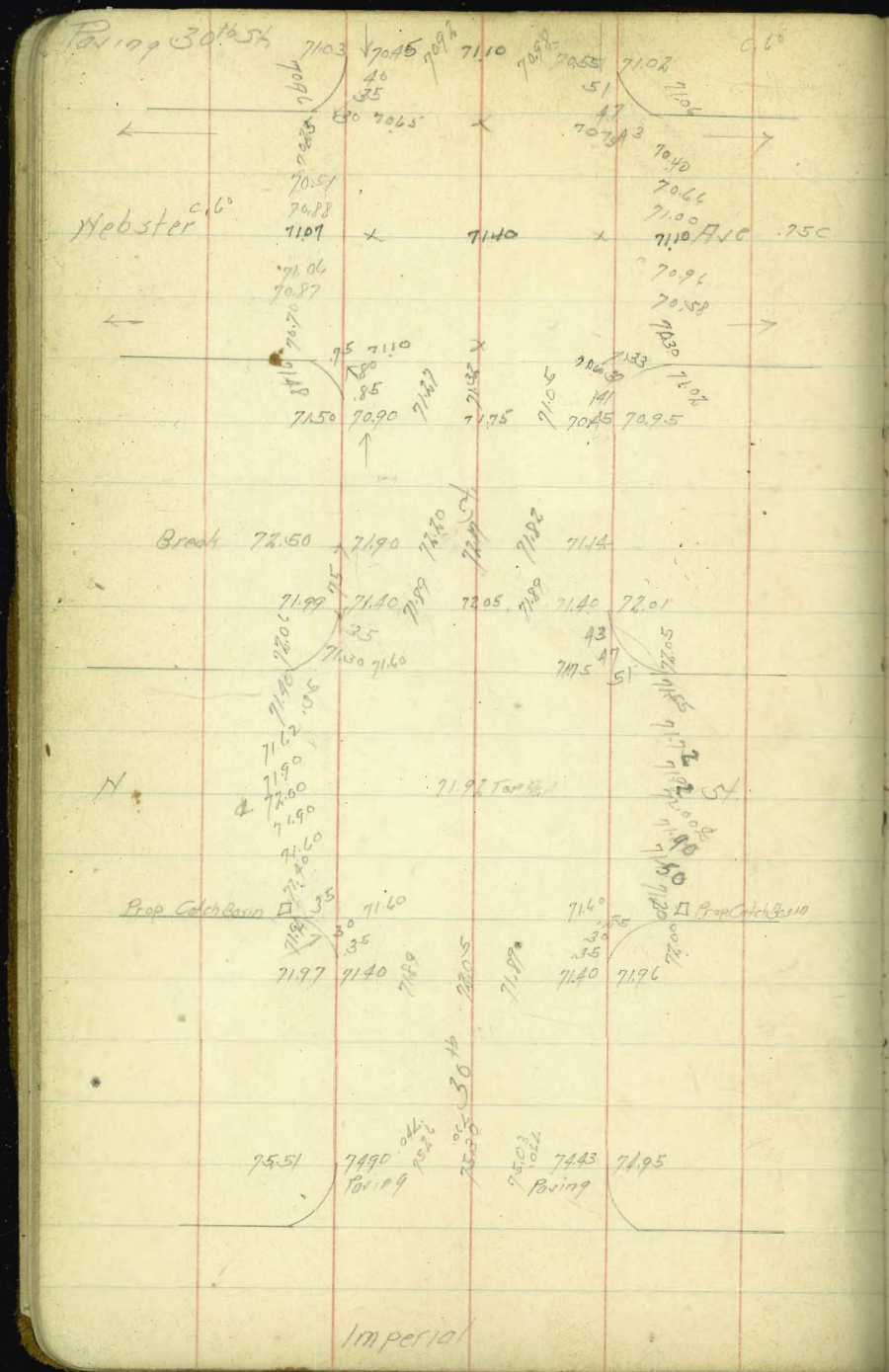
28th

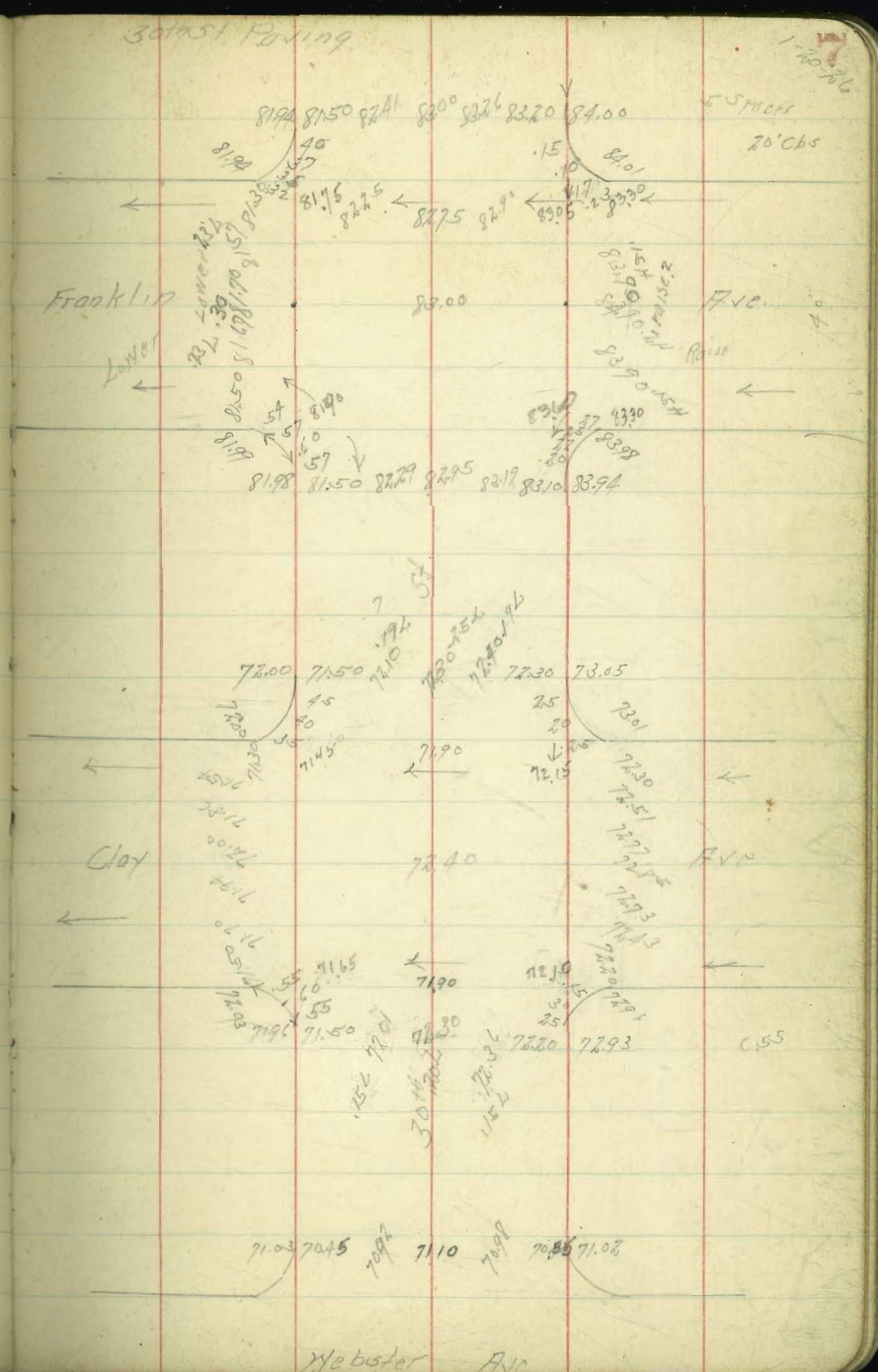
289.10 89.35

Natmeg St

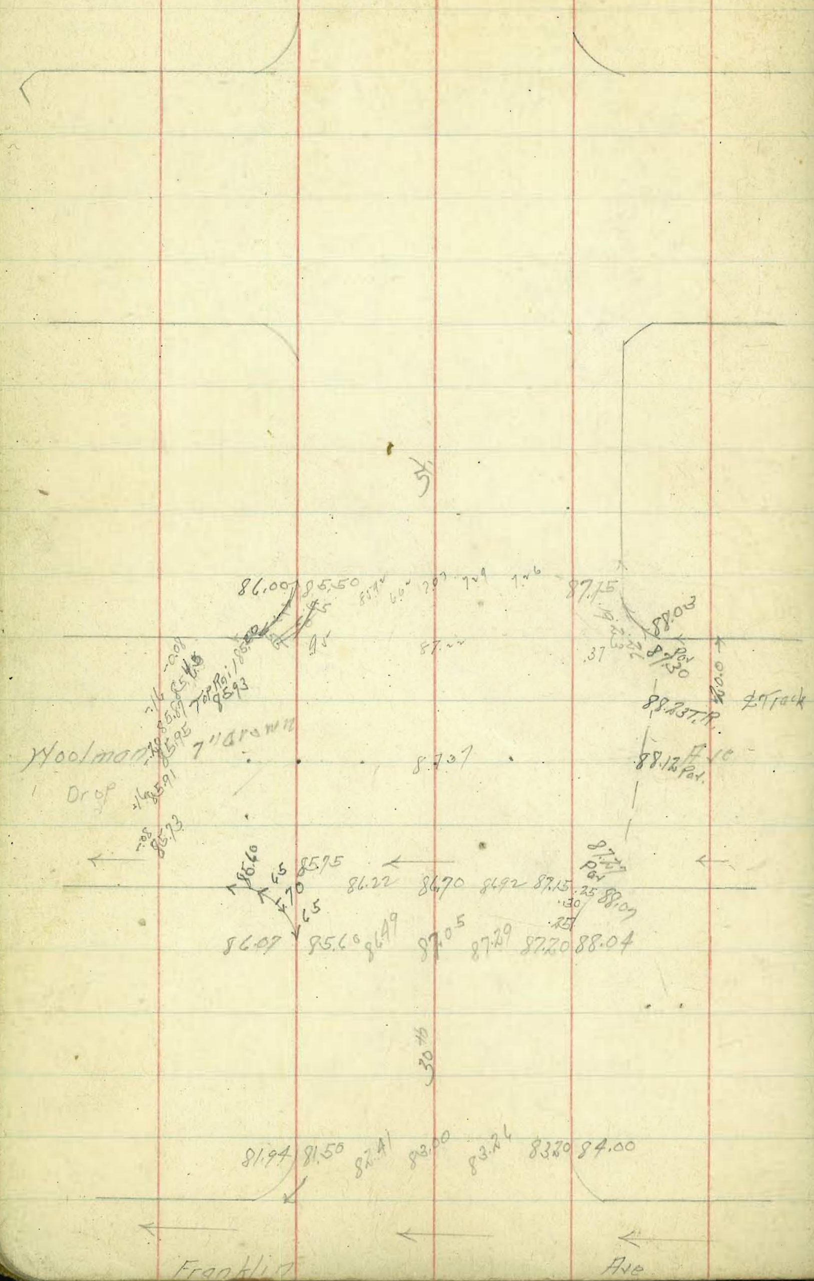
Paving Arizona St



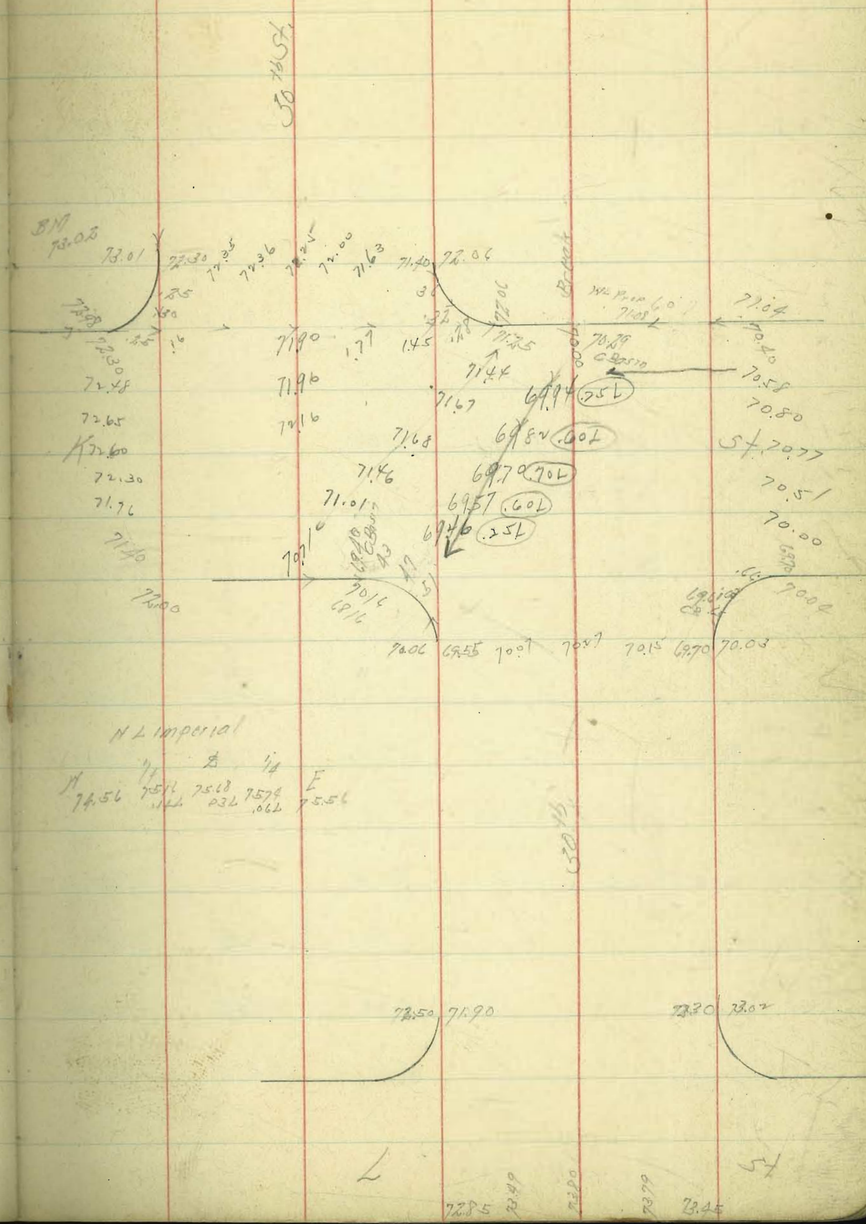

Paving 30th St
Webster Ave
Break
Prop Catch Basin
Paving
Imperial


30th St Paving
5 Spaces
20' Cbs
Franklin Ave
Lower
Raise
Clay Ave
Webster Ave

Paving 30th St.



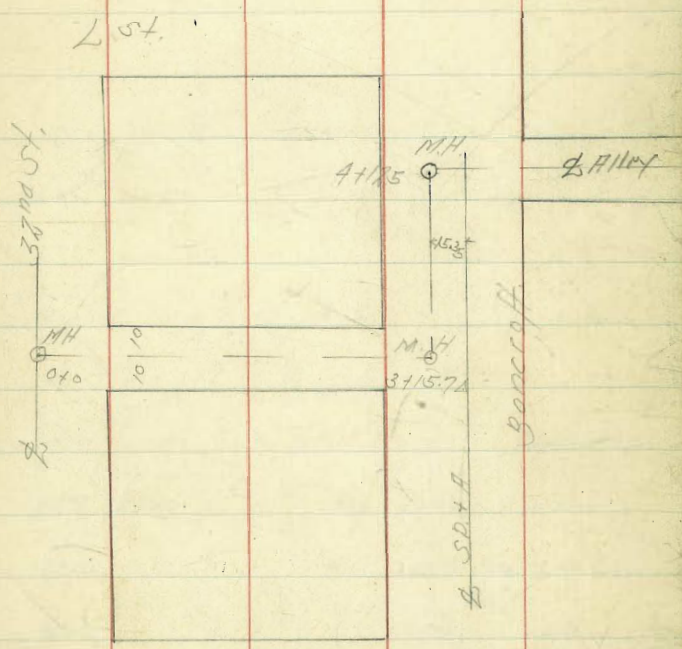
4-30-26

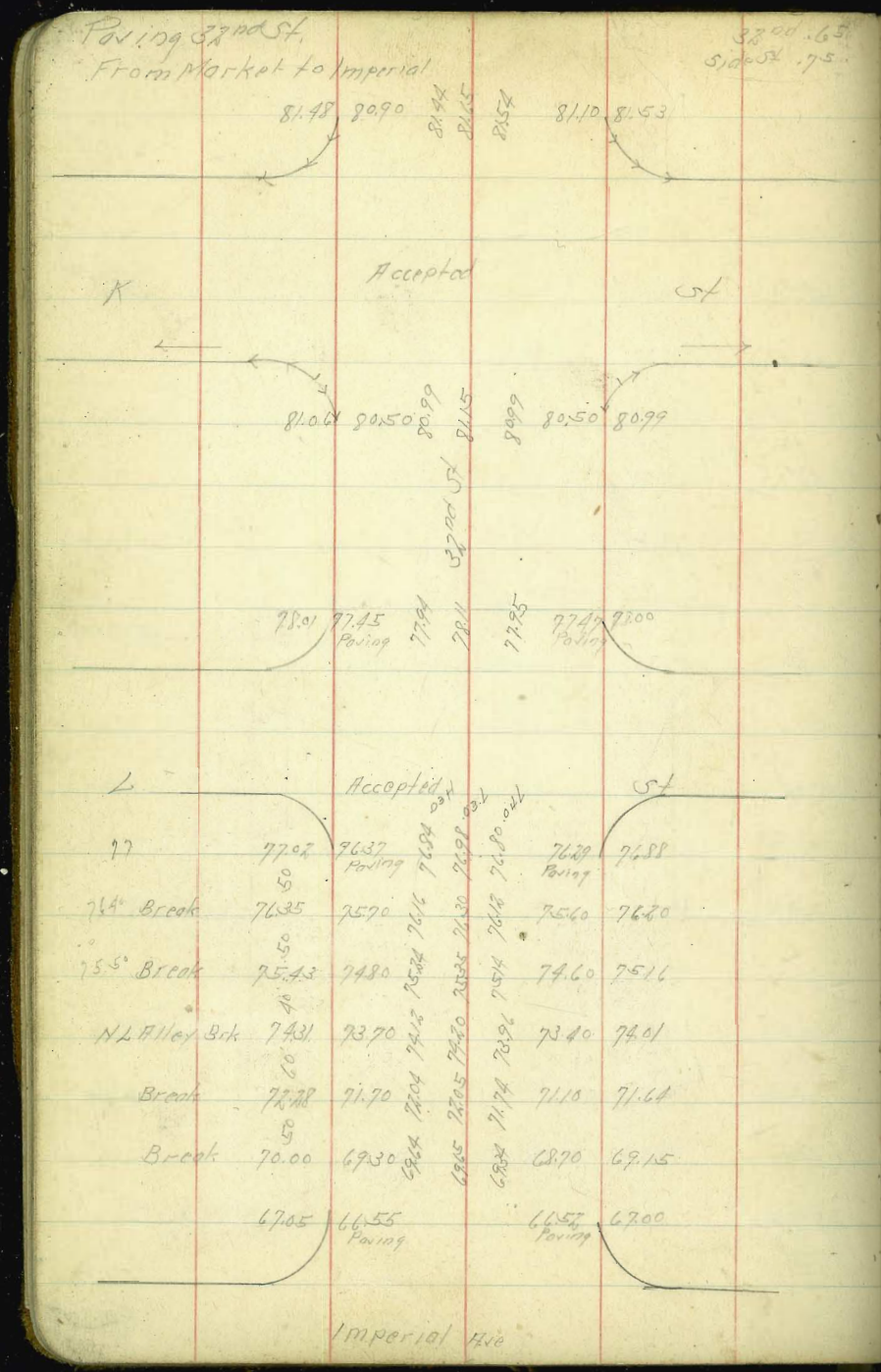


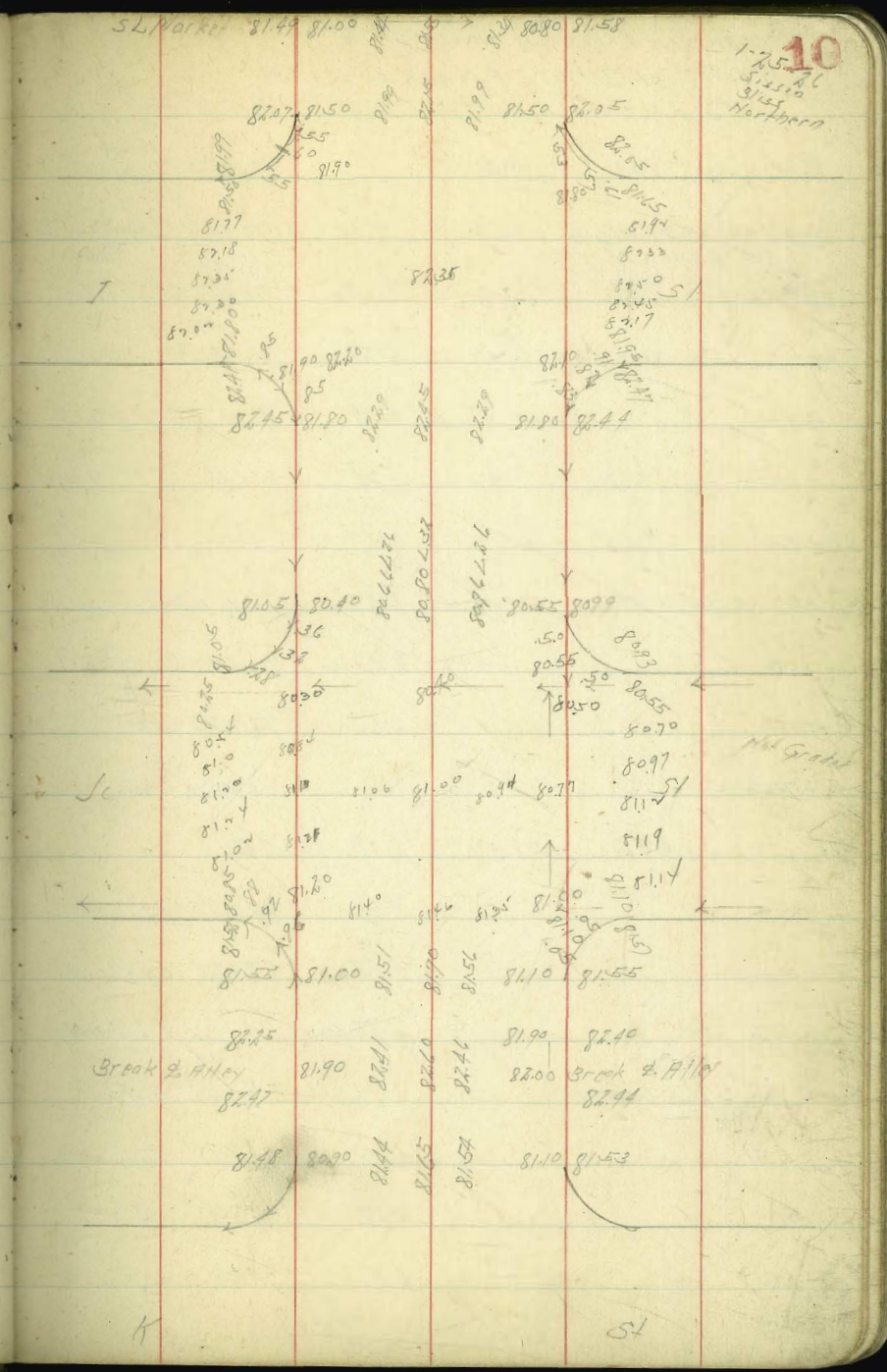
1-21-26

Sewer Construction ℄ Alley
Between L St + Imperial
From ℄ 32nd to Bancroft

B.M.	1.55	78.60		77.05	BP.SW L+32nd	
0+0			4.65	73.95	69.00	+4.95
+50			4.05	74.55	68.75	+5.80
1+0			2.29	76.31	68.50	+7.81
+25			1.52	77.08	68.37	+8.71
+50			0.87	77.73	68.25	+9.48
+75			0.63	77.97	68.12	+9.85
TP	3.64	81.66	0.58	78.02		
2+00			3.20	78.46	68.00	+10.46
+25			3.19	78.47	67.87	+10.60
+50			3.73	77.93	67.75	+10.18
+75			3.41	78.25	67.62	+10.63
+95 Break			3.79	77.87	67.50	+10.37
TP	0.88	69.66	12.88	68.78		
3+15.7 Δ M.H. +5.0			7.52	62.14	57.00	+5.14
+50			6.84	62.82	54.74	+8.08
4+00			13.79	55.87	51.44	+4.43
+12.5 Δ M.H +5.0 = ℄ E+W Alley			14.01	55.65	50.60	+5.05




Paving 32nd St.
From Market to Imperial
32nd .65
Side St .75
81.48 80.90 81.44 81.65 81.54 81.10 81.53
K
Accepted
St
81.06 80.50 80.99 81.15 80.99 80.50 80.99
32nd St
78.01 77.45 Paving 77.94 78.11 77.95 77.47 Paving 77.00
L
Accepted
St
77 77.02 76.37 Paving 76.84 76.98 76.80 76.29 Paving 76.88
76.4° Break 76.35 75.70 76.16 76.30 76.12 75.60 76.20
75.5° Break 75.43 74.80 75.24 75.35 75.14 74.60 75.16
NL Alley Brk 74.31 73.70 74.12 74.20 73.96 73.40 74.01
Break 72.28 71.70 72.04 72.05 71.74 71.10 71.64
Break 70.00 69.30 69.64 69.65 69.34 68.70 69.15
67.05 66.55 Paving 66.52 Paving 67.00
Imperial Ave


SL Market 81.49 81.00 80.80 81.58
1-25-26
Sissin
Bliss
Northern
82.07 81.50 81.99 81.50 82.05
81.77 82.18 82.35 82.30 82.00 82.35 82.50 82.45 82.17
I
St
82.45 81.80 82.29 82.45 82.29 81.80 82.44
81.05 80.40 80.66 80.80 80.96 80.55 80.99
80.30 80.40 80.55 80.50 80.70 80.97 81.12 81.19 81.14
Jc
St
81.55 81.00 81.51 81.70 81.56 81.10 81.55
82.25 81.90 82.40
Break & Alley 81.90 82.41 82.60 82.46 82.00 Break & Alley
82.47 82.44
81.48 80.90 81.44 81.65 81.54 81.10 81.53
K
St

Construction Storm Drain
West Side 38th St. From K St to N St.
Cuts Marked on Top Curb

												1-29-26 S. 3500 B. 55 Northern
								78.97				
B.M.	2.43	76.41		73.98	B.P. SE L 43° Grade of Flow Line	9+00			5.29	73.68	61.59	+12.09
0+0	= 10'S Face Curb S Side K St.		6.37	70.04	65.50 +4.54	+50			5.80	73.17	61.37	+11.80
+50			6.13	70.28	65.28 +5.00	10+00			6.31	72.66	61.15	+11.51
1+00			5.59	70.82	65.07 +5.75	+20	P.C.R.		6.54	72.43	61.06	+11.37
+40			5.28	71.13	64.90 +6.23							
2+00			4.76	71.65	64.63 +7.02	B.M.			4.01	74.96	B.P. N.W. Imperial + 30th 74.97	
+50			4.37	72.04	64.41 +7.63	+55		77.12	4.80	72.32	60.88 +11.44	
3+00	= N.L. L St		4.00	72.41	64.20 +8.21	+	M.H.		4.76	72.36	60.70 +11.66	
4+00			2.87	73.54	63.76 +9.78							
+50			2.62	73.79	63.54 +10.25							
5+00			2.38	74.03	63.33 +10.70							
TP	4.94	78.97	2.38	74.03								
+50			4.68	74.29	63.11 +11.18							
6+00			4.42	74.55	62.89 +11.66							
+50			4.16	74.81	62.67 +12.14							
+85	± N.L. Imperial		3.96	75.01	62.52 +12.49							
7+65			4.00	74.97	62.47 +12.50							
8+00			4.17	74.80	62.07 +12.73							
+60			4.89	74.08	61.74 +12.34							

Grades On Sutter
East Pringle

	S.L.	℄
E L Pringle	265.25	265.75
50' E	58.58	58.67
100' E	51.90	51.57
140' E Break	46.55 46.30	45.90

Old Grade
150 ft = 249.0

1-29-26
Gisson
Bliss
Northern

265.07 NW Pringle +
0.21 Washington
265.28

S	265.25	58.58	51.90	46.55
		6.7	13.4	18.7
		2.0	8.1	12.6
		+4.7	+5.3	+6.1
℄	265.75	58.67	51.57	45.90
		6.6	13.7	19.4
		3.6	8.5	15.2
		+3.0	+5.2	4.2

90°23

Grades On Whittier

	NL	SL
EL Willow	164.25	165.25
55' E	163.28	164.28
110' E Brk	162.31	163.31
150 Brk	161.05	162.05
190 Brk	158.67	159.67
230 Brk	155.17	156.17
265	151.62	152.62
300 = NL	148.07	149.07

2-23-26
Sisson
Bliss
Northern

166.18 · SW Willow +
375 Whittier
169.93
12.61
157.32
3.74
161.06
1.26
159.80
8.79
168.59
2.42
166.17 = BM

N	169.93 164.25 5.68 Top Cb 5.73	169.93 163.28 6.6 4.5 +2.1	169.93 162.31 7.6 7.0 +0.6	169.93 161.05 8.9 7.9 +1.0	169.93 158.67 11.3 10.2 +1.1
S	169.93 165.25 4.68 +Cb 4.72	169.93 164.28 5.6 5.8 -0.2	169.93 163.31 6.6 8.3 -1.7	169.93 162.05 7.9 11.0 -3.1	161.06 159.67 1.4 5.8 -4.4
N	161.06 155.17 5.9 4.4 +1.5	161.06 151.62 9.4 7.6 +1.8	161.06 149.07 13.0 10.7 +2.3		
S	161.06 156.17 4.9 9.0 -4.1	161.06 152.62 8.4 10.0 -1.6	161.06 149.07 12.0 11.8 +0.2		

Paving A St.
From

25th St

Break 71.91 71.30 70.50 71.00

Break 70.47 69.80 69.00 69.50

Break 71.93 71.30 70.50 71.00

24th St

95.40 94.70 93.90 94.41

21st St

93.83 93.10 92.00 92.46

BM 41.98

41.94 41.30 41.30 41.94

17th St

39.95 39.30 39.30 39.94

Cont. Page 27th

103.00 102.25

102.91

100.50 100.97

100.96

100.30

27th St

103.50

102.70

100.45 St

100.50 3 Low

100.45

100.30

102.68

BM 102.99

102.99 102.20 100.50 100.93

101.34 100.60 99.05 99.54

101.27 100.50 98.50 99.24

100.96 100.20 98.50 98.93

100.59 99.80 98.30 98.62

100.09 99.30 97.75 98.20

99.45 98.70 97.15 97.59

98.68 97.90 96.50 96.94

97.83 97.05 95.65 96.11

96.99 96.20 94.75 95.18

90.07 89.40 88.50 89.04

8.57 8.04

8.48

26th St

8.55 8.75 8.20 7.65

7.78 7.09

7.17

86.54 86.87

BM 86.86

88.50 87.70 86.40 86.87

Break 81.21 80.50 79.40 79.90

Grades on Diamond

For Ties See Page 25

		NL	SL
NL Allison		32.25	
50'N		32.01	
100'N		31.77	
155'N		31.51	
210'N Break		31.25	
260'N		31.62	
310'N		31.99	
360'N		32.36	
378'N	T.cb. 32.24	32.56	
EL Allison		32.25	31.25
50'E		32.80	31.75
100'E		33.35	32.25
150'E		33.90	32.75
200'E		34.45	33.25
250'E		35.00	33.75
300'E		35.55	34.25
350'E		36.10	34.75
400'E		36.65	35.25
450'E		37.20	35.75
500' = WL Bozard		37.75	36.25

7-26-26
S 500
31.25
Northern

14.08 SE Gerrard + Allison
10.03
24.11
0.45
2.66
9.35
34.01
2.09
30.92
5.92
36.84
2.80
33.95
8.80
42.75

	36.84	36.84	36.84	36.84	36.84	36.84	36.84	36.84	36.84
N	32.25	32.01	31.77	31.51	31.25	31.62	31.99	32.36	32.56
	4.6	4.8	5.1	5.3	5.6	5.2	4.8	4.5	4.3
	3.0	4.1	4.7	4.1	4.4	4.3	4.2	4.3	4.2
	+0.7	+0.7	+0.9	+1.2	+1.2	+0.9	+0.6	+0.2	+0.1

= 3N Brk S N
Diamond + Allison

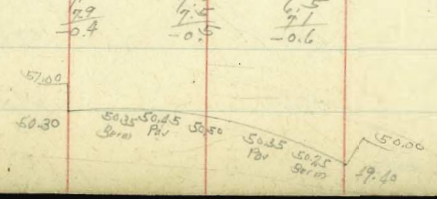
Brk

	36.84	36.84	36.84	42.75	42.75	42.75	42.75
N	32.25	32.80	33.35	33.90	34.45	35.00	35.55
	4.6	4.0	3.5	8.9	8.3	7.8	7.2
	3.4	2.7	2.0	7.9	7.7	7.3	6.7
	+1.2	+1.3	+1.5	+1.0	+0.6	+0.5	+0.5

	36.84	36.84	36.84	42.75	42.75	42.75	42.75
S	31.25	31.75	32.25	32.75	33.25	33.75	34.25
	5.6	5.1	4.6	10.0	9.5	9.0	8.5
	5.6	5.0	4.5	9.8	9.8	9.3	8.8
	0.0	+0.1	0.0	+0.1	-0.3	-0.3	-0.3

	42.75	42.75	42.75	42.75
N	36.10	36.65	37.20	37.75
	6.6	6.1	5.5	5.0
	6.3	6.0	5.6	5.0
	+0.3	+0.1	-0.1	0.0

	42.75	42.75	42.75	42.75
S	34.75	35.25	35.75	36.25
	8.0	7.5	7.0	6.5
	8.5	7.9	7.4	7.1
	-0.5	-0.4	-0.5	-0.6



Grades On Diamond.

		NL		SL	
E L Bapard		38.25		36.75	
50'E		38.90		37.40	
100'E		39.55		38.05	
150'E		40.20		38.70	
200'E		40.85		39.35	
250'E		41.50		40.00	
300'E		42.15		40.65	
350'E		42.80		41.30	
400'E		43.45		41.95	
450'E		44.10		42.60	
500'E. NL Coss		44.75		43.25	
			Z		
E L Coss	Paving 44.70	44.60	44.75	44.50	Paving 44.60
50'E		45.27		45.17	
100'E		45.95		45.85	
150'E		46.62		46.52	
200'E		47.30		47.20	
250'E		47.97		47.87	
300'E		48.65		48.55	

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	42.75	42.8	42.75	42.75	42.75	42.75	42.75
N	38.25	38.90	39.55	40.20	40.85	41.50	42.15
	4.5	3.9	3.2	2.6	1.9	1.3	6.1
BM Spikes Diamond Coss	3.8	3.3	2.7	2.3	1.5	1.1	6.0
	+0.7	+0.6	+0.5	+0.3	+0.4	+0.2	+0.1
	42.75	42.75	42.75	42.75	42.75	42.75	42.75
S	36.75	37.40	38.05	38.70	39.35	40.00	40.65
	6.0	5.3	4.7	4.1	3.4	2.8	2.6
	5.7	5.3	4.6	4.1	3.8	3.2	2.2
	+0.3	0.0	+0.1	-0.0	-0.4	-0.4	-0.6
	48.28	48.28	48.28	48.28			
N	42.80	43.45	44.10	44.75			
	5.5	4.8	4.2	3.5			
	5.5	4.7	4.2	3.3			
	0.0	+0.1	0.0	+0.2			
	48.28	48.28	48.28	48.28			
S	41.30	41.95	42.60	43.25			
	7.0	6.3	5.7	5.0			
	7.4	6.7	6.0	5.2			
	-0.4	-0.4	-0.3	-0.2			
	53.21	53.21	53.21	53.21	53.21	53.21	53.21
N	44.60	45.27	45.95	46.62	47.30	47.97	48.65
	8.6	7.9	7.2	6.6	5.9	5.2	4.6
	7.8	7.0	6.4	6.0	5.4	4.8	3.9
	+0.8	+0.9	+0.8	+0.6	+0.5	+0.4	+0.7
	53.21	53.21	53.21	53.21	53.21	53.21	53.21
S	44.50	45.17	45.85	46.52	47.20	47.87	48.55
	8.7	8.0	7.3	6.7	6.0	5.3	4.6
	8.9	8.1	7.5	7.0	6.4	5.5	4.4
	-0.2	-0.1	-0.2	-0.3	-0.4	-0.2	-0.2

Grades on Diamond

		NL		SL	
350'E		49.32		49.23	
400'E		50.00		49.90	
450'E		50.67		50.57	
500'E = NL Domes	Pav 51.45	51.35	51.50	51.25	Pav 51.35
Straight EL Domes	52.45	52.35	52.50	52.25	52.35
50'E		53.20		53.10	
100'E		54.05		53.95	
150'E		54.90		54.80	
200'E		55.75		55.65	
250'E		56.60		56.50	
300'E		57.45		57.35	
350'E		58.30		58.20	
400'E		59.15		59.05	
450'E		60.00		59.90	
500'E = NL Everts	Pav 60.95	60.85	61.00	60.75	Pav 60.85
Straight EL Everts	61.45	61.35	61.50	61.25	Pav 61.35
50'E		61.80		61.70	
100'E		62.25		62.15	
150'E		62.70		62.60	

N	53.21	53.21	53.21	62.65			
	49.32	50.00	50.67	51.35			
	3.9	3.2	2.5	1.3			
	3.1	2.3	2.5	10.1			
	+0.8	+0.9	+1.0	1.2			
	53.21	53.21	53.21	53.21			
	49.23	49.90	50.57	51.25			
	4.0	3.3	2.6	1.9			
	4.0	3.3	2.2	1.7			
	0.0	0.0	+0.4	+0.2			
N	62.65	62.65	62.65	62.65	62.65	62.65	62.65
	54.35	53.20	54.05	54.90	55.75	56.60	57.45
	10.30	9.4	8.6	7.7	6.8	6.0	5.2
	8.7	8.1	7.4	6.9	6.3	5.0	3.6
	+1.6	+1.3	+1.2	+0.8	+0.5	+1.0	+1.6
S	62.65	62.65	62.65	62.65	62.65	62.65	62.65
	54.25	53.10	53.95	54.80	55.65	56.50	57.35
	10.4	9.5	8.7	7.8	7.0	6.1	5.3
	9.9	8.3	8.3	8.1	7.5	5.5	4.3
	+0.5	+0.2	+0.4	-0.3	-0.5	+0.6	+0.9
N	62.65	62.65	62.65	62.65			
	58.30	59.15	60.00	60.85			
	4.3	3.5	2.7	1.8			
	3.0	2.4	1.9	1.3			
	+1.3	+1.1	+0.7	+0.5			
S	62.65	62.65	62.65	62.65			
	58.20	59.05	59.90	60.75			
	4.4	3.6	2.7	1.9			
	3.9	3.4	2.7	2.3			
	+0.5	+0.2	-0.1	-0.4			
N	69.54	69.54	69.54	69.54			
	61.35	61.80	62.25	62.70			
	8.2	7.7	7.3	6.8			
	7.5	7.5	7.0	6.5			
	+0.7	+0.2	+0.3	+0.3			
S	69.54	69.54	69.54	69.54			
	61.25	61.70	62.15	62.60			
	8.3	7.8	7.4	6.9			
	8.5	8.5	7.8	7.4			
	-0.2	-0.7	-0.4	-0.5			

Grades on Diamond

		NL		SL	
200'E		63.15		63.05	
250'E		63.60		63.50	
300'E		64.05		63.95	
350'E		64.50		64.40	
400'E		64.95		64.85	
450'E		65.40		65.30	
500'E = straight	65.95 WL Fanuel	65.85	66.00	65.75	65.85
	66.45 EL Fanuel	66.35	66.50	66.25	66.35
50'E		66.70		66.60	
100'E		67.05		66.95	
150'E		67.40		67.30	
200'E		67.75		67.65	
250'E		68.10		68.00	
300'E		68.45		68.35	
350'E		68.80		68.70	
400'E		69.15		69.05	
450'E		69.50		69.40	
500'E =	Pav 69.95 WL Gresham	69.85	70.00	69.75	69.85

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60.29

69.54 3.50 TP 66.04	N	69.54 63.15 6.4 6.0 +0.4	69.54 63.60 5.9 5.4 +0.5	69.54 64.05 5.5 4.9 +0.6	69.54 64.50 5.0 4.6 +0.4	69.54 64.95 4.6 3.9 +0.7	69.54 65.40 4.1 3.3 +0.8	69.54 65.85 3.7 2.7 +1.0
		OD SE Prop Hub Diamond + Fanuel						
69.54 7.21 62.33 2.19 64.52 4.29 60.23	S	69.54 63.05 6.5 7.2 -0.7	69.54 63.50 6.0 6.6 -0.6	69.54 63.95 5.6 6.1 -0.5	69.54 64.40 5.1 5.5 -0.4	69.54 64.85 4.7 4.8 -0.1	69.54 65.30 4.2 4.1 +0.1	69.54 65.75 3.8 3.4 +0.4
		3N Top Hyd Fanuel + Emerald 60.29						

66.04 8.15 74.19 2.88 71.31	N	74.19 66.35 7.8 6.5 +1.3	74.19 66.70 7.5 6.3 +1.2	74.19 67.05 7.1 6.3 +0.8	74.19 67.40 6.8 5.9 +0.9	74.19 67.75 6.4 6.0 +0.4	74.19 68.10 6.1 5.0 +1.1	74.19 68.45 5.7 4.6 +1.1
		on N.W. Prop Hub Diamond + Gresham						
	S	66.25 7.9 7.5 +0.4	66.60 7.6 7.4 +0.2	66.95 7.2 6.8 +0.4	67.30 6.9 6.8 +0.1	67.65 6.5 6.9 -0.4	68.00 6.2 6.2 0.0	68.35 5.8 5.7 +0.1
	N	74.19 68.80 5.4 4.5 +0.9	74.19 69.15 5.0 4.2 +0.8	74.19 69.50 4.7 3.9 +0.8	74.19 69.85 4.3 3.5 +0.8			
	S	68.70 5.5 5.5 0.0	69.05 5.1 5.3 -0.2	69.40 4.8 4.7 +0.1	69.75 4.3 4.6 -0.3			

Grades on Diamond

		N.L.		S.L.	
N+S on East ℄ 69.60 +.07 -.07					
E L Gresham	Pav 70.20	70.10	70.25	70.00	70.10
50'E		70.72		70.62	
100'E		71.35		71.25	
150'E		71.97		71.87	
200'E		72.60		72.50	
250'E		73.22		73.12	
300'E		73.85		73.75	
350'E		74.47		74.37	
400'E		75.10		75.00	
450'E		75.72		75.62	
500'E = W L Haines		76.35	76.50	76.25	
N+S on E ℄ 76.00 +.10 -.20 E L Haines		76.35	76.50	76.25	
50'E		76.68		76.58	
100'E		77.01		76.91	
150'E		77.35		77.25	
200'E		77.68		77.58	
250'E		78.01		77.91	
300'E Brk	Paving 78.45	78.35	78.50	78.25	78.35
350'E		79.35		79.25	

69.02
10.69
79.71
2.52
77.19 ← Nail
6.72 E end Back Stop
83.91 S E Cor Diamond + Haines

N	79.71 70.10 9.6 8.7 +0.9	79.71 70.72 9.0 8.3 +0.7	79.71 71.35 8.4 8.0 +0.4	79.71 71.97 7.7 7.2 +0.5	79.71 72.60 7.1 6.5 +0.6	79.71 73.22 6.5 5.9 +0.6
S	70.00 9.7 9.6 +0.1	70.62 9.1 9.1 0.0	71.25 8.5 8.7 -0.2	71.87 7.8 7.8 0.0	72.50 7.2 7.0 +0.2	73.12 6.6 5.9 +0.7
N	79.71 73.85 5.8 5.0 +0.8	79.71 74.47 5.2 3.8 +1.4	79.71 75.10 4.6 3.0 +1.6	79.71 75.72 4.0 2.8 +1.2	79.71 76.35 3.3 2.5 +0.8	
S	73.75 5.9 5.4 +0.5	74.37 5.3 4.6 +0.7	75.00 4.7 3.8 +0.9	75.62 4.1 3.1 +1.0	76.25 3.4 3.0 +0.4	
N	83.91 76.35 7.6 6.0 +1.6	83.91 76.68 7.2 5.9 +1.3	83.91 77.01 6.9 5.5 +1.4	83.91 77.35 6.6 5.4 +1.2	83.91 77.68 6.2 5.5 +0.7	83.91 78.01 5.9 5.0 +0.9
S	76.25 7.7 7.1 +0.6	76.58 7.3 6.8 +0.5	76.91 7.0 6.7 +0.3	77.25 6.7 6.6 +0.1	77.58 6.3 6.3 0.0	77.91 6.0 5.8 +0.2
N	83.91 78.35 5.6 5.3 +0.3	83.91 79.35 4.6 4.9 -0.3				
S	78.25 5.7 5.7 0.0	79.25 4.7 5.1 -0.4				

Grades on Diamond

		NL		SL	
400'E		80.35		80.25	
450'E		81.35		81.25	
500'E = W L Ingraham	82.45	82.35	82.50 ✓	82.25	82.35
Straight E L Ingraham	83.45	83.35	83.50 ✓	83.25	83.35
50'E		84.31		84.21	
100'E		85.27		85.17	
150'E		86.24		86.14	
200'E		87.20		87.10	
250'E		88.16		88.06	
300'E		89.12		89.02	
350'E		90.08		89.98	
400'E		91.05		90.95	
450'E		92.01		91.91	
500'E	Pasing 93.45	92.97		92.87	Pas 93.35
520'E = W L Sewell		93.35	93.50	93.25	

83.91
0.31
83.61
10.04
93.65
1.13
92.51
6.05
98.56
4.49
94.07

N	83.91 80.35 3.6 3.7 -0.1	83.91 81.35 2.6 2.5 +0.1	83.91 82.35 1.6 1.1 +0.5			
S	80.25 3.7 3.9 -0.2	81.25 2.7 3.2 -0.5	82.25 1.7 2.0 -0.3			
N	93.65 83.35 10.3 8.6 +1.7	93.65 84.31 9.3 7.6 +1.7	93.65 85.27 8.4 6.2 +2.2	93.65 86.24 7.4 5.2 +2.2	93.65 87.20 6.4 4.6 +1.8	93.65 88.16 5.5 4.1 +1.4
S	83.25 10.4 10.0 +0.4	84.21 9.4 7.6 +0.8	85.17 8.5 7.4 +1.1	86.14 7.5 6.5 +1.0	87.10 7.5 5.9 +1.6	88.06 5.6 5.1 +0.5
N	93.65 89.12 4.5 3.4 +1.1	93.65 90.08 3.6 2.8 +0.8	93.65 91.05 2.6 2.0 +0.6	93.65 92.01 1.6 1.1 +0.5	98.56 92.97 5.6 5.4 +0.2	98.56 93.35 5.2 5.0 +0.2
S	89.02 4.6 4.4 +0.2	89.98 3.7 3.2 +0.5	90.95 2.7 2.5 +0.2	91.91 1.7 2.0 -0.3	92.87 5.7 5.8 -0.1	93.25 5.3 5.8 -0.5

Diamond

84.00 83.45 83.50 83.35 83.00

82.90

82.45

Ingraham 83.50 82.95 83.00 82.85 82.50

82.25

83.00 82.45 82.50 82.35 82.00

Grades on Diamond

		NL		SL
H.V.S. on E ℄ 93.00 +.10 -.20				
E.L. Jewell		93.35	93.50	93.25
50'E		94.45		94.35
100'E		95.55		95.45
150'E		96.65		96.55
200'E		97.75		97.65
250'E		98.85		98.75
300'E		99.95		99.85
350'E		101.05		100.95
400'E		102.15		102.05
420'E	V.C.	102.59	102.74	102.49
460'E		103.36	103.51	103.26
500'E	Lower 35	103.91	104.06	103.81
540'E	E.V.C.	104.23	104.38	104.13
590'E		104.43		104.33
640'E		104.62		104.52
690'E		104.82		104.72
740'E		105.01		104.91
790'E		105.21		105.11
840'E		105.41		105.31

3-3-26

94.07
12.55
106.62
0.08
106.62
5.34
111.93
7.02
104.91
4.69
109.60

S.W.S.H. Diamond Jewell N	106.62 93.35 13.3 11.9 +1.4	106.62 94.45 12.2 11.2 +1.0	106.62 95.55 11.1 11.1 0.0	106.62 96.65 10.0 10.5 -0.5	106.62 97.75 8.9 9.5 -0.6	106.62 98.85 7.8 7.2 +0.6
S	93.25 13.4 12.4 +1.0	94.35 12.3 12.7 -0.4	95.45 11.2 12.8 -1.6	96.55 10.1 12.3 -2.2	97.65 9.0 10.6 -1.6	98.75 7.9 8.4 -0.5
N	106.62 99.95 6.7 4.5 +2.2	106.62 101.05 5.6 2.1 +3.5	111.93 102.15 9.8 4.8 +5.0	111.93 102.59 9.3 4.0 +5.3	111.93 103.36 8.6 2.9 +5.7	111.93 103.91 8.0 2.2 +5.8
S	99.85 6.8 5.7 +1.1	100.95 5.7 2.5 +3.2	102.05 9.9 5.4 +4.5	102.49 9.4 4.6 +4.8	103.26 8.7 3.3 +5.4	103.81 8.1 3.0 +5.1
N	111.93 104.23 7.7 2.0 +5.7	111.93 104.43 7.5 3.2 +4.3	111.93 104.62 7.3 4.3 +3.0	111.93 104.82 7.1 5.4 +1.7	111.93 105.01 6.9 6.1 +0.8	109.60 105.21 4.4 4.0 +0.4
S	104.13 7.8 3.4 +4.4	104.33 7.6 4.1 +3.5	104.52 7.4 5.9 +1.5	104.72 7.2 7.2 0.0	104.91 7.0 8.0 -1.0	105.11 4.5 6.1 -1.6
N	109.60 105.41 4.2 4.3 -0.1					
S	105.31 4.3 5.6 -1.3					

Grades on Diamond

		N.L		S.L	
890'E		105.60		105.50	
940'E		105.80		105.70	
990'E		105.99		105.89	
1040'E		106.19		106.09	
1080'E = N.L. Lamont	106.45	106.35	106.50	106.25	106.35
Straight EL Lamont	105.45 Pasing	105.35	105.50	105.25	105.35
50'E		105.10		105.00	
100'E		104.85		104.75	
140'E V.C.	104.75	104.65	104.80	104.55	104.65
180'E		104.31	104.46	104.21	
220'E		103.68	103.83	103.58	
260'E E.V.C.	102.85	102.75	102.90	102.65	102.75
310'E		101.42		101.32	
360'E		100.08		9998	
410'E		98.75		98.65	
460'E		97.42		97.32	
500'E = N.L. Morrell	96.45	96.35	96.50	96.25	96.35
St.					

109.60 H.I.		109.60	109.60	109.60	109.60	109.60
3.90	N	105.60	105.80	105.99	106.19	106.35
106.20		4.0	3.8	3.6	3.4	3.3
4.32		3.7	2.9	1.8	2.1	2.6
110.52	109.52	+0.3	+0.9	+1.8	+1.3	+0.7
12.96	106.92	3.90				
97.56		Diamond Lamont				
1.27						
98.80	S	105.50	105.70	105.89	106.09	106.25
		4.1	3.9	3.7	3.5	3.3
		5.2	4.4	4.0	3.1	3.6
		-1.1	-0.5	-0.3	+0.4	-0.3

		110.52	110.52	110.52	110.52	110.52	110.52
	N	105.35	105.10	104.85	104.65	104.37	103.68
		5.2	5.4	5.7	5.9	6.2	6.8
		4.2	3.1	3.5	3.9	3.3	3.8
		+1.0	+2.3	+2.2	+2.6	+2.9	+3.0
	S	105.25	105.00	104.75	104.55	104.21	103.58
		5.3	5.5	5.8	6.0	6.3	6.9
		5.0	4.7	4.5	4.4	4.6	5.5
		+0.3	+0.8	+1.3	+1.6	+1.7	+1.4
	N	110.52	110.52	110.52	110.52	110.52	98.80
		102.75	101.42	100.08	98.75	97.42	96.35
		7.8	9.1	10.4	11.8	13.1	2.5
		4.5	6.1	7.8	9.0	12.1	2.9
		+3.3	+3.0	+2.6	+2.8	+1.0	+0.6
							98.80
	S	102.65	101.32	9998	98.65	97.32	96.25
		7.9	9.2	10.5	11.9	13.2	2.6
		6.0	6.9	9.2	10.8	10.9	2.0
		+1.9	+2.3	+1.3	+1.1	2.3	+0.6

Grades on Diamond

		NL		SL	
E L Morrell		95.35	95.50	95.25	
50'E		94.04		93.94	
100'E		92.73		92.63	
150'E		91.42		91.32	
200'E Brook	Paving 90.20	90.10	90.25	90.00	Paving 90.10
250'E		89.68		89.58	
300'E		89.27		89.17	
350'E		88.85		88.75	
400'E		88.44		88.34	
450'E		88.02		87.92	
500'E = W L Noyes N+S on W 287.4°	87.70	87.60	87.75	87.50	87.60
E L Noyes		88.60	88.75	88.50	
60' E		91.30		91.20	
120'E V.C.		94.00	94.15	93.90	
160'E		95.37	95.52	95.27	
200'E		96.05 / 95.90	96.20 / 96.05	95.95 / 95.80	
240'E		95.88 / 95.57	96.03 / 95.72	95.78 / 95.47	
280'E E.V.C.		94.94 / 94.40	95.09 / 94.55	94.84 / 94.30	
330'E		93.27 / 92.40		93.17 / 92.30	

95.80 / 5.09 / 93.71 / 9.13 / 102.84						
N	98.80 / 95.35 / 3.5 / 2.8 / +1.3	98.80 / 94.04 / 4.8 / 5.4 / -0.8	98.80 / 92.73 / 6.1 / 6.8 / -0.7	98.80 / 91.42 / 7.4 / 7.2 / +0.2	98.80 / 90.10 / 8.7 / 8.2 / +0.5	98.80 / 89.68 / 9.1 / 8.6 / +0.5
S	95.25 / 3.6 / 3.1 / +0.5	93.94 / 4.9 / 5.3 / -0.4	92.63 / 6.2 / 6.8 / -0.6	91.32 / 7.5 / 7.8 / -0.3	90.00 / 8.8 / 8.5 / +0.3	89.58 / 9.2 / 9.0 / +0.2
N	98.80 / 89.27 / 9.5 / 8.7 / +0.8	98.80 / 88.85 / 10.0 / 8.9 / +1.1	98.80 / 88.44 / 10.4 / 9.2 / +1.2	98.80 / 88.02 / 10.8 / 9.4 / +1.4	98.80 / 87.60 / 11.2 / 5.1 / +6.1	
S	89.17 / 9.6 / 10.0 / -0.4	88.75 / 10.1 / 10.5 / -0.4	88.34 / 10.5 / 10.8 / -0.3	87.92 / 10.9 / 11.2 / -0.3	87.50 / 11.3 / 10.6 / +0.7	
102.84 / 4.89 / 97.95	BM Spk & Cb Diamond 150' E Noyes 97.99					
N	102.84 / 88.60 / 14.2 / 5.6 / +8.6	102.84 / 91.30 / 11.5 / 6.0 / +5.5	102.84 / 94.00 / 8.8 / 7.6 / +4.2	102.84 / 95.37 / 7.5 / 2.1 / +5.4	102.84 / 95.90 / 6.9 / 3.1 / +3.8 / +3.9	102.84 / 95.57 / 7.3 / 4.9 / +2.4 / +2.1
S	88.50 / 14.3 / 7.6 / +6.7	91.20 / 11.6 / 9.1 / +2.5	93.90 / 8.9 / 4.7 / +4.2	95.27 / 7.6 / 5.6 / +2.6	95.80 / 7.0 / 5.1 / +1.9 / +1.8	95.47 / 7.4 / 6.1 / +1.3 / +1.0
N	102.84 / 94.40 / 8.4 / 7.4 / +1.0 / +0.5	102.84 / 92.40 / 10.4 / 8.8 / +1.6 / +0.7				
S	94.30 / 8.5 / 9.5 / +0 / -1.5	92.30 / 10.5 / 10.8 / -0.3 / -1.2				

Grades on Diamond

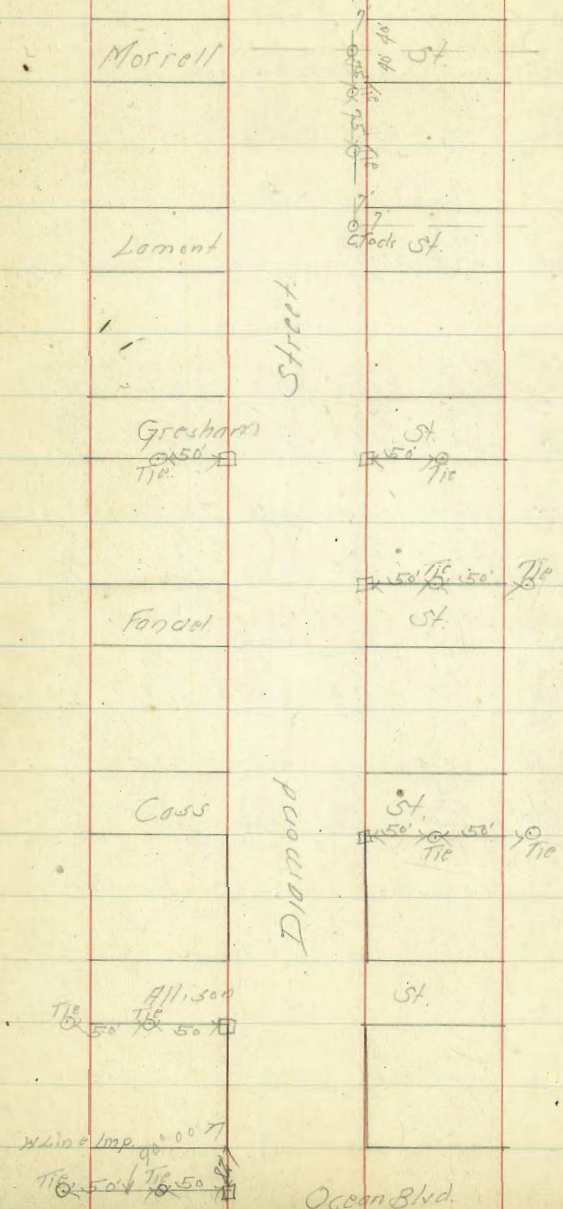
		N L		O L
380 E		91.61 / ~~90.40~~		91.51 / ~~90.30~~
430 E		89.94 / ~~88.40~~		89.84 / ~~88.30~~
480 E		88.27 / ~~86.40~~		88.17 / ~~86.30~~
500 E. = N L Olney		87.60 / ~~85.60~~	87.75 / ~~85.75~~	87.50 / ~~85.50~~
N 1 S on E ± 84.40 +10 -20 E of Olney		86.60 / ~~84.60~~	86.75 / ~~84.75~~	86.50 / ~~84.50~~
50		86.20 / ~~84.20~~		86.10 / ~~84.30~~
100		85.80 / ~~84.20~~		85.70 / ~~84.10~~
150		85.40 / ~~84.00~~		85.30 / ~~83.90~~
200		85.00 / ~~83.80~~		84.90 / ~~83.70~~
250		84.60 / ~~83.60~~		84.50 / ~~83.50~~
300		84.20 / ~~83.40~~		84.10 / ~~83.30~~
350		83.80 / ~~83.20~~		83.70 / ~~83.10~~
400		83.40 / ~~83.00~~		83.30 / ~~82.90~~
450		83.00 / ~~82.80~~		82.90 / ~~82.70~~
500 N L Pendleton		82.60	82.75	82.50

Changed 8-15-26

102.84 / 76.4 / 95.73 / 1.73 / 46.35 / 17.75 / 84.20 / 5.50 / 89.70 / 4.19 / 85.51 / 3.96 / 89.47 / 3.64 / 85.81						
	N	102.84 / 90.40	102.84 / 88.40	96.35 / 86.40	96.35 / 85.60	
		17.4 / 9.0 / ~~+3.4~~ / +2.2	14.4 / 9.6 / ~~+6.8~~ / +5.3	10.8 / 0.8 / ~~+9.6~~ / +7.3	10.7 / 1.9 / ~~+9.8~~ / +7.3	
	S	90.30	88.30	86.33	85.50	
		17.5 / 12.0 / ~~+0.5~~	14.5 / 11.2 / ~~+3.3~~	10.1 / 6.4 / ~~+3.7~~	10.8 / 7.7 / ~~+3.1~~	
85.81 ← 8.17		No Fouge Pass -0.7 N Diamond Pendleton	+1.8	+1.8	+1.1	
	N	89.70 / 84.60	89.70 / 84.40	89.70 / 84.20	89.70 / 84.06	89.70 / 83.80	89.70 / 83.60
		5.10 / 2.9 / ~~+2.2~~ / +0.2	5.3 / 3.3 / ~~+2.0~~ / +0.2	5.5 / 3.3 / ~~+2.3~~ / +0.7	5.7 / 3.3 / ~~+2.4~~ / +1.0	5.9 / 3.4 / ~~+2.5~~ / +1.3	6.3 / 3.5 / ~~+2.8~~ / +1.8
	S	84.50	84.36	84.10	83.90	83.70	83.50
		5.2 / 5.5 / -0.3 / -2.3	5.4 / 5.6 / -0.8 / -2.6	5.6 / 5.9 / -0.3 / -1.9	5.8 / 5.2 / +0.6 / -0.8	6.0 / 4.3 / ~~+1.7~~ / +0.5	6.2 / 4.3 / ~~+1.5~~ / +0.5
	N	89.70 / 83.40	89.47 / 83.20	89.47 / 83.00	89.47 / 82.80	89.47 / 82.60	
		6.30 / 3.2 / ~~+3.6~~ / +1.8	6.3 / 4.2 / ~~+2.1~~ / +1.5	6.5 / 4.3 / ~~+2.2~~ / +1.8	6.7 / 4.6 / ~~+2.1~~ / +1.9	6.9 / 5.0 / +1.9	
	S	83.36	83.10	82.90	82.70	82.50	
		6.4 / 5.3 / ~~+1.1~~ / +0.3	6.4 / 5.5 / ~~+0.9~~ / +0.3	6.6 / 5.7 / ~~+0.9~~ / +0.5	6.8 / 5.8 / ~~+1.0~~ / +0.8	7.0 / 6.5 / +0.5	

Diamond St. Ties

3-3-26



Diamond St Paving

20.3	104.88	104.33 104.38	104.23	103.88 20.3
	104.25	104.20 104.25	104.10	103.75
	104.56	104.01 104.06	103.91	103.56
	104.31	103.76 103.81	103.66	103.31
	104.01	102.46 103.51	103.36	103.01
	103.65	103.10 103.15	103.00	102.65 20.8
20	103.24	102.69 102.74	102.59	102.24

Jewell

	94.00	93.35 93.30 93.10		93.00
		93.10 93.00 > 92.80		
		93.35 93.30 93.10		
	94.00	93.85 93.80 93.85		93.00
	77.00	76.25 76.30 76.15		76.00
		76.10 76.00 > 75.90		
		76.25 76.30 76.15		

Haines

	77.00	76.45 76.50 76.35		76.00
	70.50	69.85 69.90 69.85		70.00
		> 69.67 69.60 > 69.52		
		69.85 69.70 69.85		

Gresham

	70.50	69.95 70.00 69.85		69.5

Diamond St Paving

89.50 88.70 88.75 88.60 88.00

Noyes

87.80 87.50

87.50 87.40 87.20

97.95 BM
2.07
106.02

Drain No 1

88.50 87.70 87.75 87.50 87.00

91.00 90.20 90.25 90.10 89.50 Break

85.60 85.00
14.42 15.02
10.92 11.72
+4.00 +3.30

Morrell

97.00 96.45 96.50 96.35 96.00

103.40 102.85 102.90 102.75 102.40
103.90 103.35 103.40 103.25 102.90
104.33 103.78 103.83 103.68 103.33
20' Brk 104.68 104.13 104.18 104.03 102.68 20' Brk
104.96 104.41 104.46 104.31 103.96
105.16 104.61 104.66 104.51 104.16
105.30 104.75 104.80 104.65 104.30

140'

106.0 105.00

Lamont

Pendleton

83.50 82.70 82.75 82.60 82.00

87.50 86.70 86.70 86.50 86.00

86.50 86.40 86.20

86.80 86.50

Olney

88.50 87.70 87.75 87.60 87.00

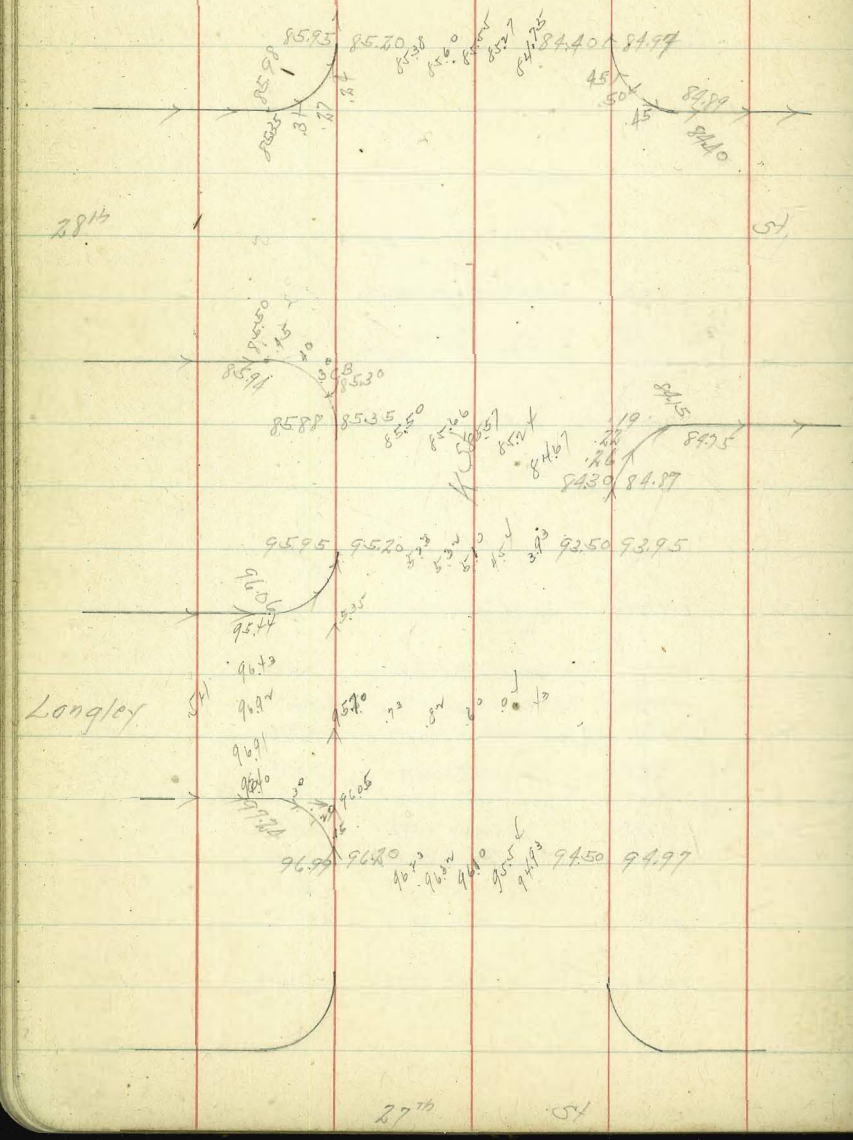
95.84 95.04 95.09 94.94 94.34
96.40 95.60 95.65 95.50 94.90
96.78 95.98 96.03 95.88 95.28
96.95 96.15 96.20 96.05 95.45
96.93 96.13 96.18 96.03 95.43 20' Brks
20' Brks 96.72 95.92 95.97 95.82 95.22
96.31 95.51 95.56 95.41 94.81
95.70 94.90 94.95 94.80 94.20
94.90 94.10 94.15 94.00 93.40

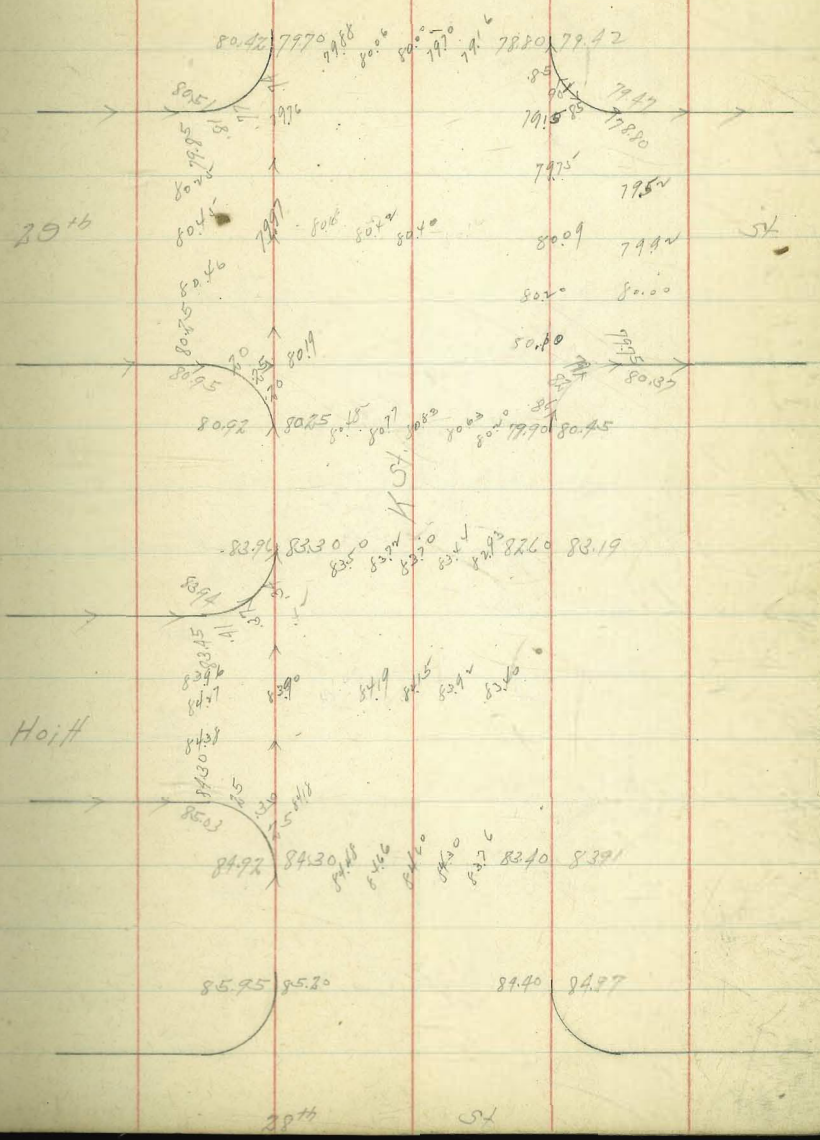
89.50 88.70 88.75 88.60 88.00

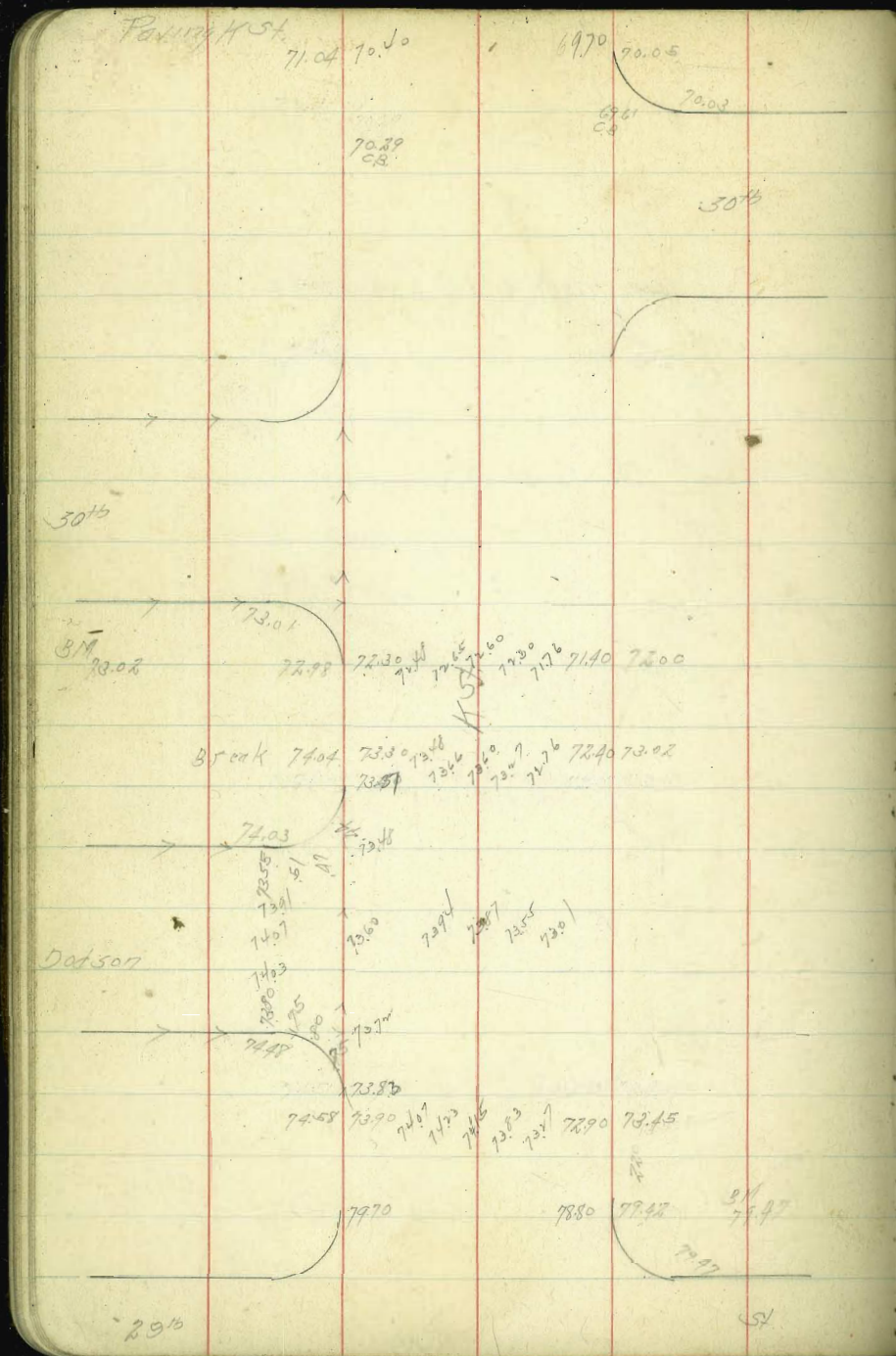
Noyes

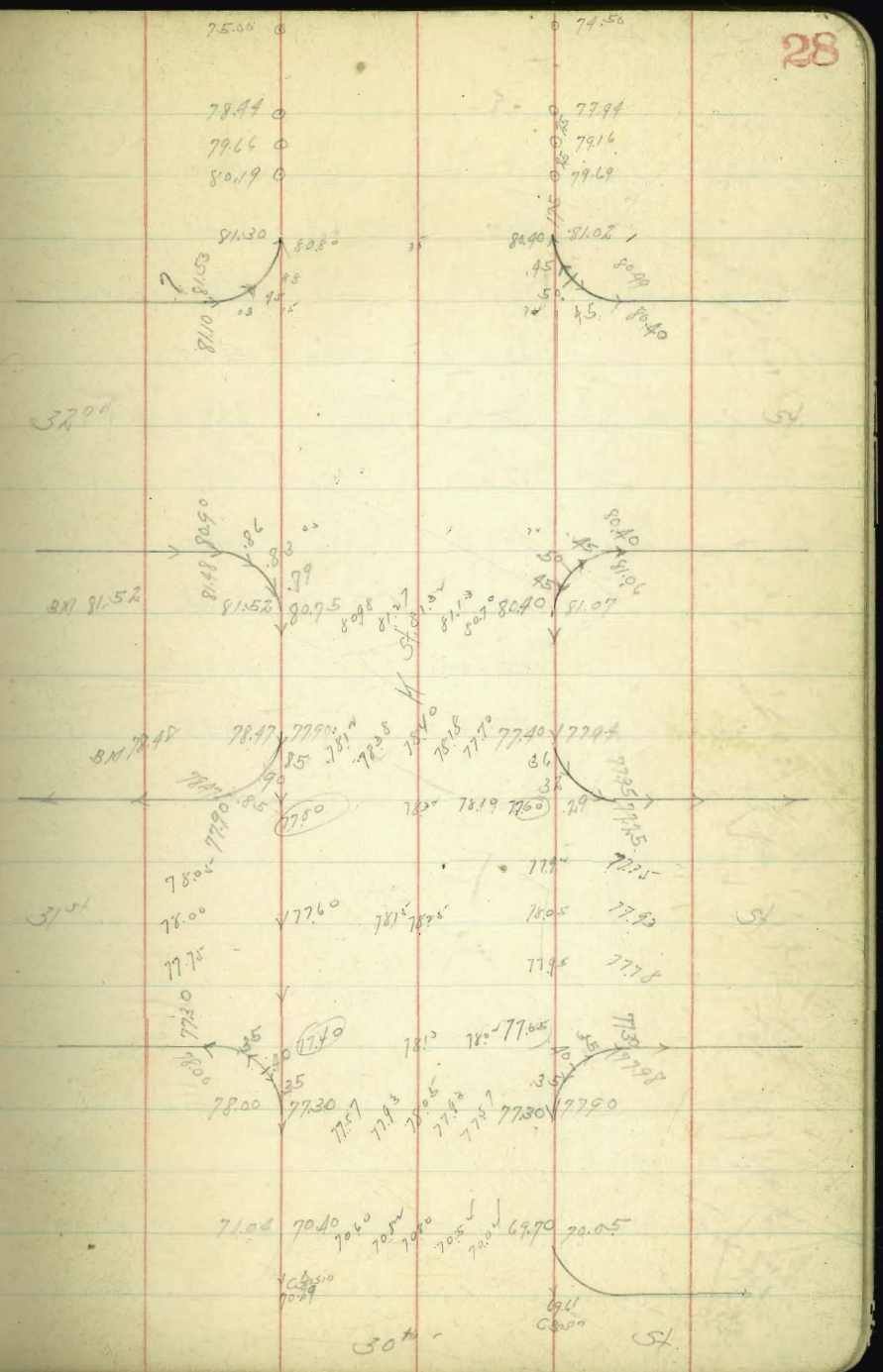
Paving & St.

Bt. Ford. Page 14






Paving K St.
71.04
70.40
69.70
70.05
70.03
69.61 C.B.
70.29 C.B.
30th
30th
BM 73.02
73.01
72.98
72.30
71.40
72.00
Break 74.04
73.30
72.40
73.02
74.03
Dotson
74.48
73.83
74.58
73.90
72.90
73.45
79.70
78.80
79.42
BM 79.47
29th
St.


75.00
74.50
78.44
79.66
80.19
77.94
79.16
79.69
81.30
80.80
81.02
80.40
32nd
St.
BM 81.52
81.52
80.75
80.40
81.07
BM 78.48
78.47
77.40
77.94
77.50
78.19
77.60
31st
St.
78.00
77.60
77.75
77.40
78.00
77.30
77.30
77.90
71.04
70.40
69.70
70.05
30th
St.

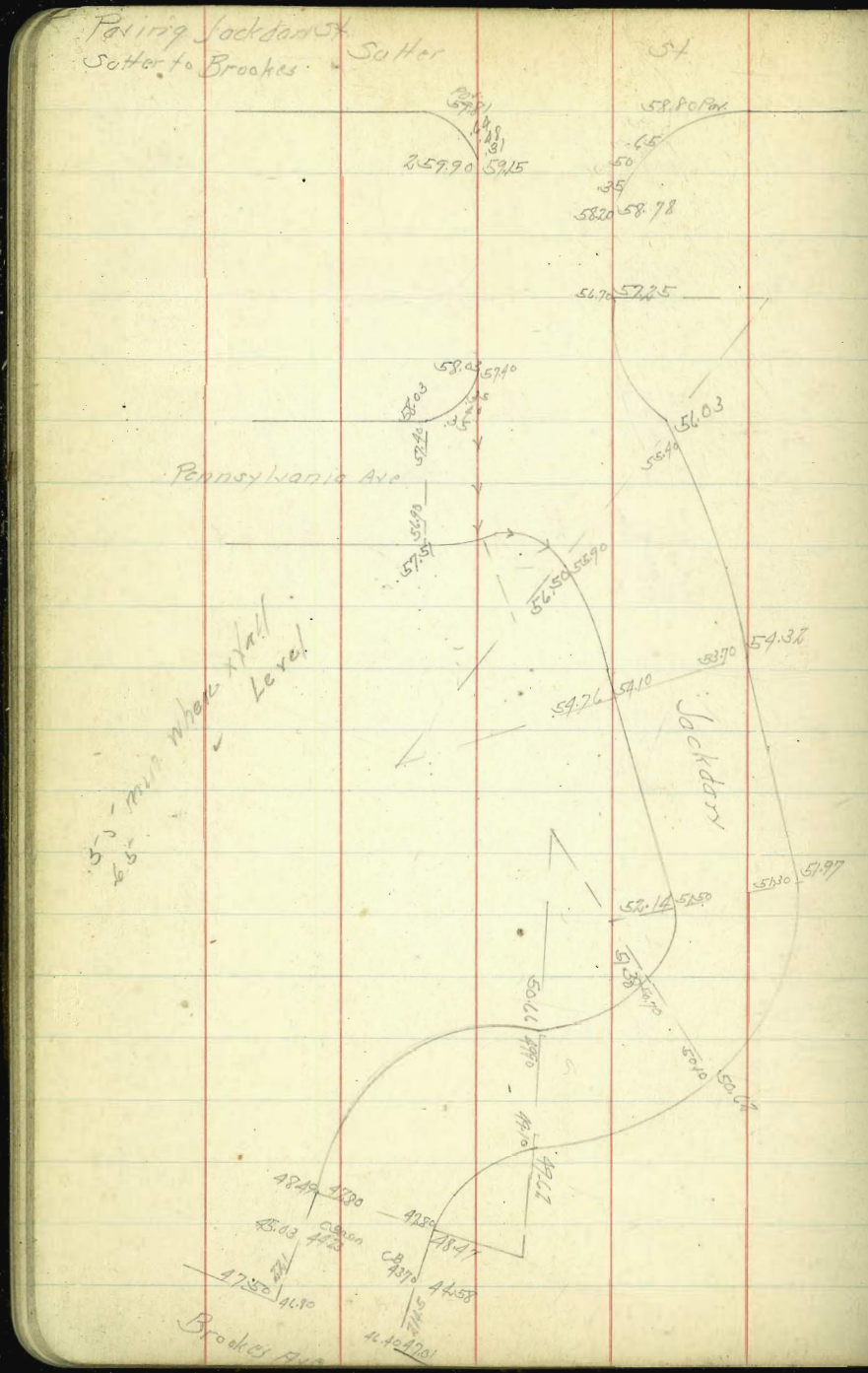
Grades on S St.
From 32nd to Bancroft.

	HL	SL
E.L. 32nd	81.00	81.50
40	81.80	82.02
80	82.34	82.29
120	82.89	82.57
160	82.97	82.53
200	82.35	81.87
240	80.85	80.59
280	78.53	78.69
320	75.40	76.19
333.2 = HL Bancroft	74.25	75.25

3-11-26
S 83.7
81.35
No. Hon.

81.57 NW K+32nd
7.34
88.84
5.0
87.83
2.36
86.19
7.08
79.11 NW Mon.
S+Bancroft

		88.84	88.84	88.84	88.84	88.84	88.84
	N	81.00	81.80	82.34	82.89	82.97	82.35
		7.84	7.04	6.5	5.9	5.4	6.5
		7.93	6.3	5.8	5.1	4.9	5.0
			+2.7	+2.7	+0.8	+0.5	+1.5
		88.84	88.84	88.84	88.84	88.84	88.84
	79.105	81.50	82.02	82.29	82.57	82.53	81.87
		7.34	6.8	6.5	6.3	6.3	7.0
			5.4	5.6	5.9	6.5	6.5
			+1.4	+0.9	+0.4	-0.2	+0.5
		86.19	86.19	86.19	86.19
	H	80.85	78.53	75.40	74.25
		5.3	7.7	10.8	11.9
		1.6	2.3	6.6	9.8
		+3.7	+6.4	+4.2	+2.1
		86.19	86.19	86.19	86.19
	S	80.59	78.69	76.19	75.25
		8.2	7.5	10.0	10.9
		6.6	6.4	10.0	13.3
		+1.6	+3.1	0.0	-2.4


Paving Jackdaw St
Sutter to Brookes
Sutter
St
Pennsylvania Ave
Jackdary
Brookes Ave
Level
min wheel x tall
5'
6'
58.80 Pav.
59.15
58.78
57.25
56.03
54.32
54.10
51.97
48.47
47.80
47.50
46.80
44.58
47.01

Grades on Van Dyke
From NL El Cajon to S.L. Meade

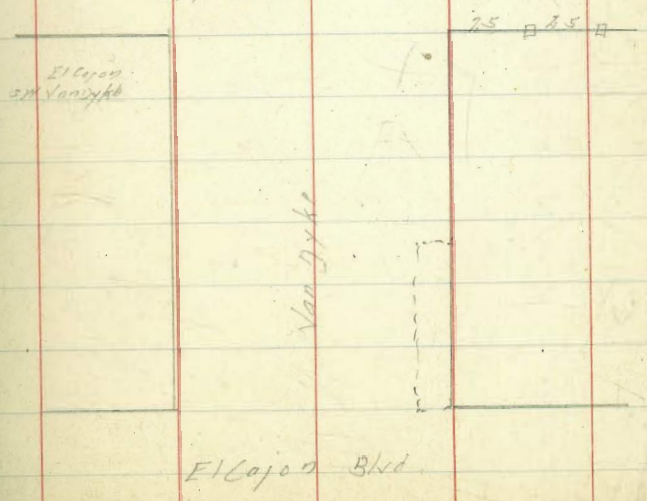
		NL	EL.	
	64.50			63.84
NL El Cajon		364.75	364.10	
50' N		64.42	63.75	
100' N		64.09	63.40	
150' N		63.74	63.05	
200' N		63.43	62.70	
250' N		63.11	62.35	
300' N		62.78	62.00	
350' N		62.45	61.65	
400' N		62.12	61.30	
465' N		61.69	60.85	
500' N		61.46	60.60	
550' N		61.13	60.25	
607' N	60.47	60.75	~~59.85~~	~~59.75~~
	359.50 Cb		358.75 Cb	
	6.76		7.51	

Curb Stakes 4-29-26

363.56 SW
3.68 El Cajon
67.18 Van Dyke

3-13-26
Sisson
Bliss
Northern

	67.18	67.18	67.18	67.18	67.18	67.18	67.18
N	64.75	64.42	64.09	63.71	63.43	63.11	62.78
	2.4	2.8	3.1	3.4	3.8	4.1	4.4
	2.1	2.4	2.7	2.8	2.9	3.8	5.1
	+0.3	+0.4	+0.4	+0.6	+0.9	+0.3	-0.7
	67.18	67.18	67.18	67.18	67.18	67.18	67.18
E	64.10	63.75	63.40	63.05	62.70	62.35	62.00
	3.1	3.4	3.8	4.1	4.5	4.8	5.4
	2.9	2.6	2.6	3.1	3.8	5.4	4.2
	+0.2	+0.8	+1.2	+1.0	+0.7	-0.6	+1.2
	67.18	67.18	67.18	67.18	67.18	67.18	
N	62.45	62.12	61.69	61.46	61.13	60.75	
	4.7	5.1	5.5	5.7	6.1	6.4	
	6.0	8.0	7.3	7.1	6.7	6.3	
	-1.3	-2.9	-1.8	-1.4	-0.6	+0.1	
	67.18	67.18	67.18	67.18	67.18	67.18	
E	61.65	61.30	60.85	60.60	60.25	59.85	
	5.5	5.9	6.3	6.6	6.9	7.3	
	7.4	12.2	9.4	9.0	8.5	8.5	
	-1.9	-6.3	-3.1	-2.4	-1.6	-1.2	



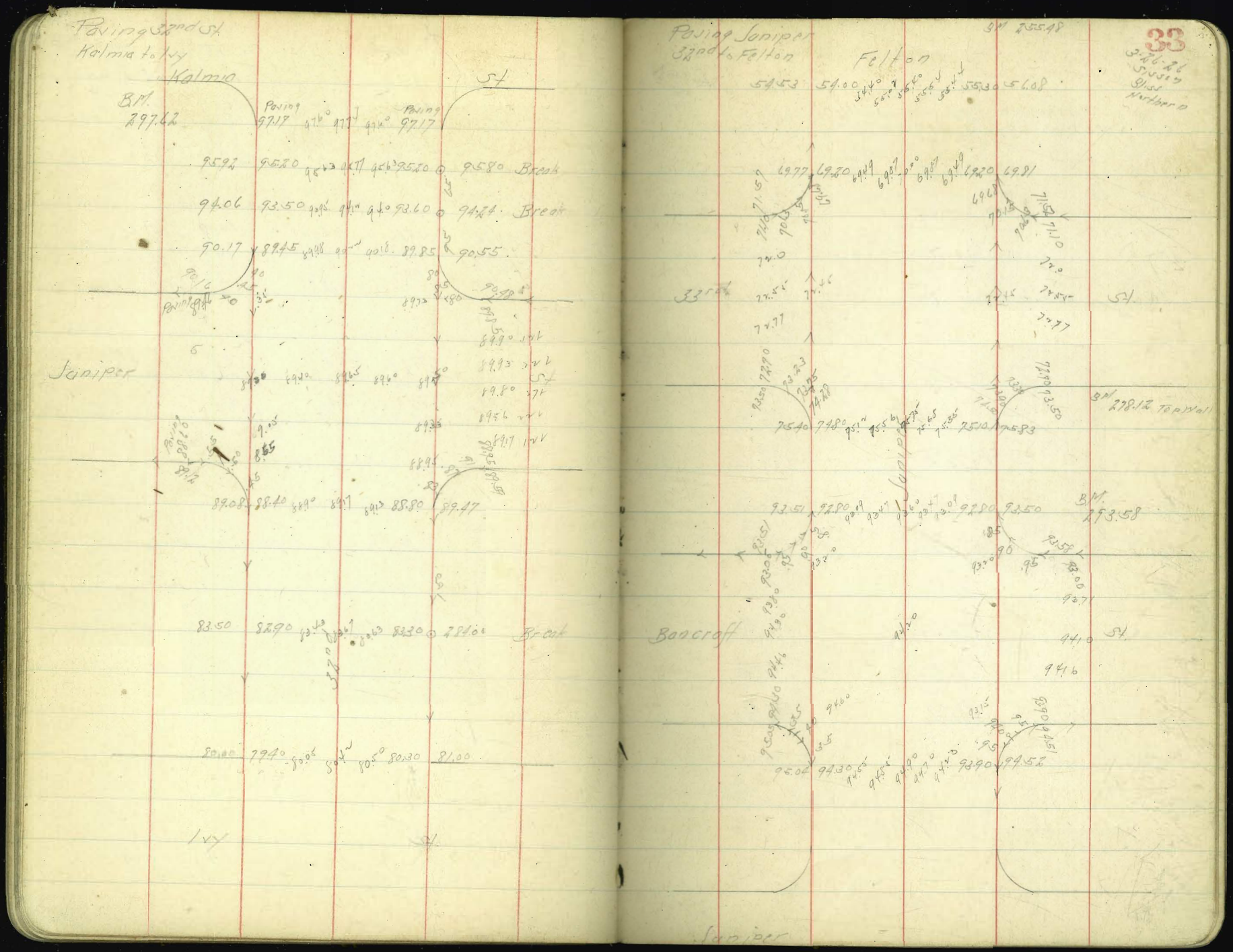
6.256 SW Van Dyke
2.70
6.26

Sewer Construction Block 83 E.W. Moore's Sub
From ℄ 29th St to 145' E ℄ 30th St.

0+0 = ℄ 29th S Existing M.H.			114.30
50' E			114.97
100' E			115.65
150' E	+1.35%		116.32
200' E			116.99
250' E			117.66
275' E	⊙ M.H.		118.00
50' E			124.05
100' E	12.10%		130.10
150' E			136.15
190' E	⊙ MH ℄ 30th St		141.00
50' E	4.14%		143.07
100' E			145.14
145' E	DE		147.00

3.22.26
Sisson
Bliss
Northern

157.06 BM 0.21 157.27 12.90 144.37 0.72 145.09 12.59 132.50 0.32 132.82 12.62 120.20 4.88 125.08	NW 30th & G 114.30	125.08 114.97 10.11 4.13 5.98	125.08 115.65 9.43 6.54 2.89	125.08 116.32 8.76 6.60 +2.16	132.82 116.99 15.83 12.62 +3.21
	132.82 117.66 15.16 7.11 +8.05	MH 132.82 118.00 14.82 4.32 +10.50	145.09 124.05 21.04 8.61 +12.43	145.09 130.10 14.99 2.64 +12.35	157.27 136.15 21.12 9.36 +11.76
	MH ℄ 30 157.27 141.00 16.27 9.89 6.38	157.27 143.07 14.20 6.73 +7.47	157.27 145.14 12.13 3.37 8.76	DE 157.27 147.00 10.27 1.23 +9.04	


Paving 32nd St.
Kalmia to Ivy
Kalmia
St.
B.M. 297.62
Paving 97.17
Paving 97.17
95.92 95.20 95.20 95.80 Break
94.06 93.50 93.60 94.24 Break
90.17 89.45 89.85 90.55
Paving
Juniper
St.
89.08 88.40 88.80 89.47
83.50 82.90 83.30 284.00 Break
80.00 79.40 80.05 80.30 81.00
Ivy
St.
Paving Juniper
32nd to Felton
Felton
B.M. 255.48
33
3-26-26
Sisson
Bliss
Northern
54.53 54.00 55.30 56.08
69.77 69.20 69.81
33rd St.
B.M. 278.12 Top Wall
75.40 74.80 75.10 75.83
Juniper
93.51 92.80 92.80 93.50
B.M. 293.58
Bancroft
St.
95.04 94.30 93.90 94.52
Juniper

Alley Paving
Block 68 Park Villas Between Villa Terrace & Pershing
From Wightman to Landis

	E	W
	Prop. Ch. 328.35	328.85
0+0 = S.L. Wightman	327.65	327.75 Prop. Ch.
30'S	333.80 ~~331.84~~	331.57 33360
55'S V.C.	36.05 ~~35.30~~	35.74 35.85
60'S	Break 36.10 ~~335.85~~	~~335.83~~ 36.30
65'S V.C.	36.55 ~~36.08~~	~~36.06~~ 36.34
100'S	36.90 ~~336.64~~	331.50 36.65
140'S	Break 337.30	337.00 OK
170'S	36.83 ~~336.84~~	36.53 ~~336.54~~
200'S	36.36 ~~336.42~~	36.06 ~~336.12~~
250'S	35.57 ~~335.69~~	35.27 ~~335.39~~
300'S	34.78 ~~334.96~~	34.48 ~~334.66~~
350'S	33.99 ~~334.23~~	33.69 ~~333.93~~
400'S	33.20 ~~333.49~~	32.90 ~~333.19~~
450'S	32.40 ~~332.76~~	32.10 ~~332.46~~
500'S	31.61 ~~332.03~~	31.31 ~~331.73~~
535'S	31.05 ~~331.52~~	30.75 ~~331.21~~
570'S	Break 330.50 ~~331.00~~	330.20 ~~330.70~~
600'S = H.L. Landis	328.35 328.60	327.09 Top Ct.

Changed 4-29-26

Cut 166005

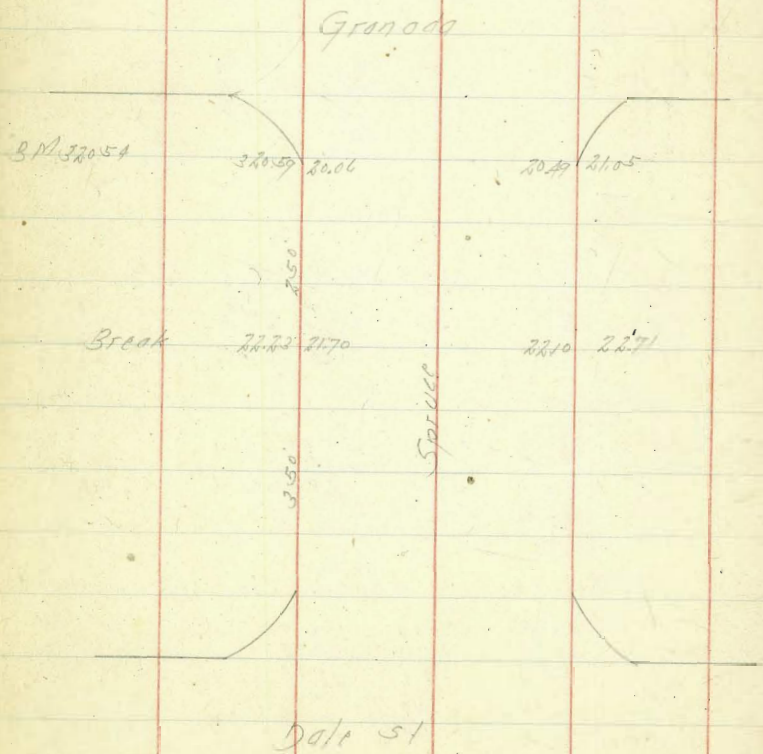
	E				
37.87	41.18	41.18	41.18	41.18	41.18
3.31	33.80	36.05	36.33	36.65	36.90
41.18	2.38	5.23	4.85	4.53	4.28
	6.58	6.4	4.28	4.25	3.62
	+2.00		+0.28	+0.25	+0.76

	W				
	41.18	41.18	41.18	41.18	41.18
	33.40	35.85	36.10	36.34	36.65
	7.78	5.33	5.08	4.84	4.53
	6.58	4.73	4.24	4.25	3.26
	+1.00	+0.63	+0.44	+0.17	-0.73

Changed 6-12-26

4-7-26						
5.1500						
8.1735						
No-Hearing						
346.05	NH Clay x 20th					
1.52						
347.63						
1.60						
33	E	32.58	39.54 41.37	39.54 41.37	41.03	41.03
1.63		34.75	31.82 35.52	36.00 36.65	37.30	36.86
33.12		2.93	7.72 6.07	3.54 5.24	3.78	4.17
1.66		3.02	3.72 +1.92	2.74 +1.75	3.38	3.90
33.46		+1.91	+4.00	+1.30	+1.00	+0.57
1.62				+1.45		+0.80
35.08		3.78.85				
1.42		8.90				
33.94		8.32				
1.34		.58				
336.5						
		39.54	39.54 41.37		41.63	
	W	327.15	31.57 35.52	36.00 36.65	36.50	37.00
337.75 H.L.		12.39	7.97 4.11	3.54 5.31	4.53	4.03
		11.88	4.87 +2.00	2.54 +1.00	5.09	4.03
		+.51	13.10	+1.00	-0.56	0.0
		328.25		+1.17		+1.00
		9.50				
		0.21				
		-0.7				
338.46 S.E. Landis 8.0 c.g.o.f.						
0.99						
39.39						
1.24						
327.66	E	41.45	40.82	40.87	40.82	35.53 35.53
7.77		34.87	35.69	34.96	34.23	33.49 32.71
33.53		5.06	5.13	5.86	6.59	2.04 4.77
1.20		3.13	3.99	4.26	5.60	1.04 1.73
332.45		+1.18	+1.14	+1.08	+1.00	+1.00 +1.00
1.33		+1.24	+1.26	+1.18	+1.24	+1.29 +1.36
340.82						
3.04						
337.78						
3.98						
334.80						
6.98						
335.50	W	36.12	35.30	34.66	33.93	33.19 32.46
2.83		5.36	5.43	6.16	6.89	7.34 3.07
341.03		5.00	5.20	5.16	7.65	4.34 3.07
4.27		+0.36	+0.23	+1.00	-0.99	+1.00 0.0
336.76		+0.44	+0.35	+1.18	0.65	+1.28 +0.36
3.35						
339.54						
1.88						
337.66						
4.92						
332.58						
	E	35.53	35.53	35.53	35.53	
		32.03	31.56	31.00	27.60	
		3.50	4.06	4.53	7.93	C.L.C.
		4.50	4.56	3.00		
		+1.00	+1.31	+1.60		
		+1.42	+1.36	+2.00		
			+1.78			
			35.53	35.53	39.39	
	W	31.73	31.21	30.70	27.09	
		3.80	4.32	4.83	12.30	
		4.37	5.52	6.02		
		-0.57	+1.50	+1.19		
		-0.15	-1.04	-0.69		

Paving Spruce St
From Dale to Granada



35
4.19.26
Sisson
Bliss
Northern

Grades on Kettner Blvd.

		EL	WL
0+0 = SL Pierce	64.90	65.15	63.25
50'S		64.59	62.83
100'S		64.02	62.41
150'S		63.46	62.00
200'S		62.89	61.58
250'S		62.32	61.16
300'S = NL Winder	CB 61.25	61.50 / 61.95	60.75
SL Winder		61.50	60.75
50'S		59.62	58.84
100'S		57.75	56.93
150'S		55.88	55.02
200'S		54.01	53.11
217'S on WL			52.45
250'S		52.13	
300'S = N McChalmers		50.25	

.00 P.33

36

5.11.26

65.12 SE Pierce + Kettner Blvd

4.42								
69.54		69.54	69.54	69.54	68.80	68.88	68.88	68.80
5.95	E	65.15	64.59	64.02	63.46	62.89	62.32	61.75
63.59		4.4	4.9	5.5	5.5	5.9	6.5	7.05
5.21			4.9	5.5	4.3	3.9	5.5	6.05
68.80			0.0	0.0	+1.0	+2.0	+1.0	+7.00

		69.54	69.54	68.80	68.88	68.88	68.88	68.80
65.12	W	63.25	62.83	62.41	62.00	61.58	61.16	60.75
2.72		6.3	6.7	6.4	6.8	7.2	7.2	8.05
67.84		6.4	6.0	5.9	5.6	6.0	6.2	6.95
5.06		-0.1	+0.7	+0.5	+1.2	+1.2	+1.1	+1.10
62.78								

BM S.W. B.F. Pierce + Kettner

50.91	SE 5th + Chalmers							
10.25		E 61.50	59.62	57.75	55.88	54.01	52.13	50.25
61.21		4.2	6.1	3.5	5.3	7.4	9.1	11.0
0.24		2.7	2.5	0.2	1.1	4.4	5.2	8.0
60.97		+1.5	+3.6	+3.3	+3.5	+3.1	+3.9	+3.0
4.28								
65.75								

W	60.75	58.89	56.93	55.02	53.11	52.45	
	5.0	6.9	4.3	6.2	8.1	9.8	
	5.6	6.7	4.5	5.1	6.3	7.4	
	-0.6	+0.2	-0.2	+1.1	+1.8	+1.4	

Sewer Construction Lemon Grove Blvd
From 33rd St to 35th St

0+0	DE = 40'E of 35th St	88.00
40'E		87.25
80'E	1.87 %	86.50
120'E		85.75
160'E	⊙ Break	85.00
210'E	8.46 %	80.77
260'E		76.54
290'E	⊙ MH	74.00
50'E		70.83
100'E		67.66
150'E	6.33 %	64.50
200'E		61.33
250'E		58.16
300'E	⊙ MH = ℄ 34th St	55.00
50'E		53.87
100'E		52.73
150'E	2.27 %	51.60
200'E		50.46
250'E		49.33

88.58 BM NE No. 9 F+3rd
9.32
95.93
13.34
82.59
0.52
82.20
4.29
77.91
71.44
10.09
71.53
12.70
58.83
2.29
61.75

				Brk.		
96.92	96.92	96.92	96.92	96.92	96.92	96.92
88.00	87.25	86.50	85.75	85.00	80.77	76.54
8.92	9.67	10.42	11.17	11.92	16.15	20.38
4.55	4.31	3.73	4.26	6.19	9.50	12.79
+4.37	+5.36	+6.69	+6.91	+5.73	+6.65	+7.61

MH						MH
84.40	84.40	84.40	84.40	71.53	71.53	71.53
74.00	70.83	67.66	64.50	61.33	58.16	55.00
10.40	13.57	16.74	19.90	10.20	13.37	16.53
2.28	4.33	9.10	13.19	2.18	4.81	9.16
+8.12	+9.24	+7.64	+7.71	+8.02	+8.56	+7.37

71.53	71.53	71.53	61.72	61.72
53.87	52.73	51.60	50.46	49.33
17.66	18.80	19.93	11.26	12.39
9.14	10.90	12.45	3.50	4.44
+8.52	+7.90	7.48	+7.76	+8.15

300' E		48.19
330' E	Δ M.H. 1°35' L	47.50
50' E		46.37
100' E		45.23
150' E	2.27%	44.10
200' E		42.96
250' E		41.83
300' E		40.69
330' E	⊙ M.H. Existing = ℄ 35th St	40.00

61.72 H.I.
8.93
52.79
4.21
57.00

M.H.

61.72	61.72	61.72	57.00	57.00	57.00	57.00
48.19	47.50	46.37	45.23	44.10	42.96	41.83
13.53	14.22	15.35	11.77	12.90	14.04	15.17
5.30	6.34	7.85	4.29	5.26	6.07	5.84
+8.23	7.88	+7.50	+7.48	+7.64	+7.97	+9.33

Existing M.H.

57.00	57.00	57.00
40.69	40.00	39.00 Floor Line
16.31	17.00	18.00
6.85	5.40	17.68
+9.46	+11.60	

Sewer Construction Titus St
From 10' W W L Henry St 240' W

0+0	= 10' W W L Henry Existing Sewer	172.15
50' W		172.53
100' W	0.77 %	172.92
150' W		173.30
200' W		173.69
240' W	DE	174.00

4.14.26
Sissor
Bliss
Northern

SW Top Hyd
Henry + Titus

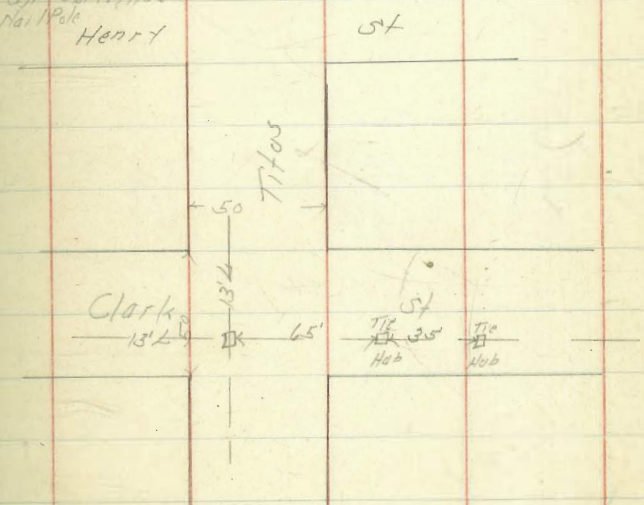
185.91
9.57
185.48

185.48	185.48	185.48	185.48	185.48	185.48
172.15	172.53	172.92	173.30	173.69	174.00
13.33	12.95	12.56	12.18	11.79	11.48
9.63	6.46	4.20	3.49	4.57	7.12
+3.70	+6.49	+8.36	+8.69	+7.22	+4.36

	NW	SW	NE	SE
	160.71	160.71	160.71	160.71
	152.25	151.25	151.25	150.25
	8.46	9.46	9.46	10.46
	6.46	8.60	4.25	12.48
	+2.00	+0.9	+5.2	-2.0

175.91
0.60
176.51
12.84
163.67
0.94
164.61
12.70
TP 151.91
8.80
160.71

SW Clark + Titus
Nail Pole



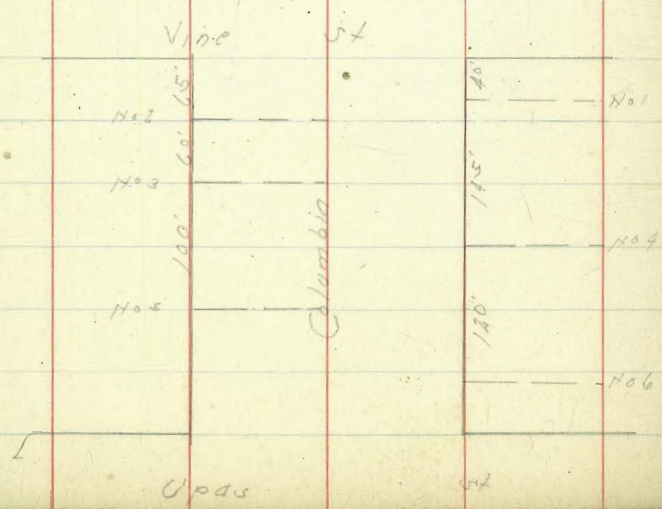
Sewer Laterals
Columbia-Vine to Upas

4-20-26
Sisson
Bliss
Northern

B.M.	12.46	93.62		81.16	S.W. Vine + India
TP	12.93	106.53	0.02	93.60	
TP	10.80	117.08	0.25	106.28	

Lateral	No 2	No 3	No 5
	117.08	117.08	117.08
	108.00	109.00	110.00
	9.08	8.08	7.08
	4.62	3.93	3.22
	+4.46	+4.15	+3.86

Lateral	No 1	No 4	No 6
	117.08	117.08	117.08
	109.00	110.50	111.00
	8.08	6.58	6.08
	2.68	1.98	0.78
	+5.40	+4.60	+5.30



Grades on Upas St.
From W L Alabama to 200' W

4-21-26
Sisson
Bliss
Northern

		S		N	
W L Alabama	260.00	260.25		259.95	259.70
50' W		254.58		254.05	
100' W		248.91		248.15	
150' W	Break 243.00	243.25		242.25	242.00
200' W		232.70		232.15	
382' W = E L Florida		194.25		195.25	

259.50 W W Upas Alabama
2.68
262.18
12.02
250.16
2.88
253.04
12.46
240.58
4.32
244.90

S	260.25	254.58	248.91	243.25	232.70
		7.6	13.3	9.8	12.2
		8.6	11.5	7.7	5.6
		-1.0	-1.8	+2.1	+6.6
N	259.95	254.05	248.15	242.25	232.15
	2.2	8.1	4.9	10.8	12.7
	2.9	10.4	5.7	12.0	10.2
	-0.7	-2.3	-0.8	-1.2	+2.5

59.50
2.52
62.02
13.00
49.02
1.98
51.00

S	260.00		243.00		4-28-26
	2.02		8.00		
	✓		7.00		
			+1.00		
N	259.70		242.00		
	2.32		9.00		
	✓				

Grades On Vine
India to State

		N L		S L
E L India		82.25		83.25
50'E	7.75%	89.50	7.25%	90.37
100'E		96.75		97.50
150'E		104.00		104.62
200'E = N L Columbia		111.25		111.75
E L Columbia		112.25		112.75
50'E	7.375%	119.62	7.50%	120.25
100'E		127.00		127.75
150'E		134.37		135.25
200'E = N L State		141.75		142.75

4-28-26
Sisson
Bliss
Northern

81.16	SW N	93.44	93.44	93.44	105.65	105.65
12.28	Vine India	82.00	89.50	96.75	104.00	111.25
93.44		11.44	3.9	-3.3	1.6	-5.60
0.49		11.43	9.0	3.2	13.1	10.1
92.95			-5.1	-6.5	-11.5	-15.7
12.70				Slope Stake		
105.65	118.00			-15.2	-22.2	-28.6
0.04	3.85			22.8	33.3	42.9
105.61	114.15	3E Top Hyd				
12.39		BM Vine Columbia				
118.00						
0.58	S	93.44	105.65	105.65	118.0	118.00
117.42		83.00	90.37	97.50	104.62	111.75
12.53		10.44	15.3	8.1	13.4	6.3
129.95		13.38	10.7	4.8	11.0	6.1
0.31			+4.6	+3.3	2.4	-0.2
129.64						
12.45						
142.09						
2.04						
140.05						
4.02						
144.07						
1.80						
143.27	Top Curb SW Vine	118.00	129.95	129.95	142.09	142.09
	+ State N	112.25	119.62	127.00	134.37	141.75
		5.8	10.3	2.9	7.7	0.3
		4.2	8.8	1.6	8.8	11.1
		+1.6	+1.5	+1.3	-1.1	-10.8
	S	118.0				144.07
		112.50				142.50
		5.5				1.57
		Top Cb 5.15				1.80

Sewer Construction Market St
Bancroft to 34th St.

D.E.	= 40'E.E.L. Bancroft		50.50	14.12 / 3.51 / +10.61	64.62	39.69 / 12.33 / 52.02	0+0 = MH & 33rd		33.15	8.04 / 1.50 / +6.54		33.21 / 7.98 / 41.19 / 1.50 / 39.69		
45'E			49.13	15.49 / 5.83 / +9.66		6.53 / 51.49 / 18.13 / 64.62	50'S		32.65	8.54 / 2.88 / +5.66		8.94 / 48.63		
90'E	0.05%		47.75	14.87 / 4.70 / +9.17		0.32 / 64.39 / 18.92 / 75.26	100'S	1.00%	32.15	9.04 / 4.18 / +4.86				
135'E			46.38	18.74 / 9.85 / +8.89		7.25 / 73.61 / 11.06 / 84.67	150'S		31.65	9.54 / 4.68 / +4.86				
180'E	= Manhole		45.00	19.62 / 11.80 / +7.82		9.31 / 81.31 / 5.37 Notes / 76.03	165'S	= MH Construct Existing Sewer	31.50	9.69 / 4.74 / +4.95				
51.7'E			43.03	5.99 / 1.77 / +7.22		52.02 H								
103.3'E			41.05	10.97 / 4.12 / +6.85										
155.0'E	0.82%		39.08	12.94 / 6.81 / +6.13										
206.7'E			37.10	14.92 / 9.46 / +5.46										
258.3'E			35.12	16.90 / 11.82 / +5.08										
310'E	= MH & 33rd		33.15			MH 7.63								
50'E			33.64	14.99 / 8.23 / +6.76										
100'E			34.13	14.50 / 7.57 / +6.93										
150'E	0.98%		34.63	14.09 / 7.09 / +7.09										
200'E			35.12	13.56 / 6.37 / +7.19										
250'E			35.62	13.01 / 5.57 / +7.44										
300'E			36.11	12.57 / 4.81 / +7.76										
350'E			36.61	12.07 / 4.23 / 7.80										
390'E	= DE		37.00	11.63 / 3.59 / +8.04										

Paving Diamond St.

Cass

Bayard

Allison

Break

Paved Alley

Paving Alley Block 97 Civil Hghts.

	W. L.	E. L.
0+0 = N L Van Buren	34.84	34.24
50' N	42.95	43.18
100' N	44.04	44.12
150' N	45.13	45.06
200' N	46.23	46.00
+20 Brk	46.70	46.40
252' N	~~47.31~~ 46.93	~~46.98~~ 46.83
290' N Out Break	34.80	34.70
300' N	~~48.14~~ 47.27	~~47.66~~ 46.97
350' N	~~47.82~~ 47.63	~~47.45~~ 47.33
+60 Brk	47.70	47.40
400' N	~~47.50~~ 47.54	~~47.34~~ 47.30
450' N	~~47.38~~ ~~47.18~~	~~47.18~~ ~~47.03~~
500' N	47.06 ~~46.95~~	47.05 ~~46.82~~ S. Alley
550' N	46.83 ~~46.53~~	46.93 ~~46.61~~
600' N = S. L. Meade	46.60 ~~34.20~~	46.80 ~~34.40~~

46.40 Pos Gutter Gr.

48.00 N E Meade + 355 Compy 51.55	47.24 / 41.86 / 5.38 / 5.33	47.24 / 42.95 / 4.29 / 3.49 / +0.80	47.24 / 44.04 / 3.20 / 3.23 / -0.03	50.17 / 45.13 / 5.04 / 4.89 / +0.15	51.71 / 46.23 / 5.48 / 5.73 / -0.25	51.71 / 47.31 / 4.35 / ~~0.10~~ / +0.43
344.25 S W Sph 2.91 Van Buren + 347.16 Compos 2.90						
344.35 5.82						
350.17 3.14						
46.99 E 476	47.24 / 42.24 / 5.00 / 5.10	47.24 / 43.18 / 4.06 / 3.85 / +1.21	50.17 / 44.12 / 6.05 / 7.02 / +0.03	50.17 / 45.06 / 5.11 / 4.11 / +1.00	50.17 / 46.00 / 4.17 / 3.95 / +0.22	51.71 / 46.88 / 4.83 / 4.89 / -0.07 / +0.19
5.71 46.1						
47.15 4.54						
5.69 4.58						
47.11 4.13						
5.74 4.53 N 4.76	50.0 / 51.69 / 48.14 / 3.55 / 4.22 / -0.67 / +0.20	51.24 / 49.70 / 3.74 / 3.87 / 5.00 / +0.19	51.69 / 47.50 / 3.74 / 3.78 / -0.04 / -0.06	50.87 / 47.18 / 3.69 / 4.04 / -0.35 / -0.46	50.87 / 46.85 / 4.02 / 4.34 / -0.30 / -0.51	50.87 / 46.53 / 4.34 / 3.90 / +0.44 / +0.24
5.87						51.55 / 46.70 / 4.85 / 4.55 / +0.30 Topeb / +0.40
348.00 3.48		51.24 / 49.70 / 3.74 / 3.69 / 5.05				
351.44 4.06						
47.38 E 3.72 51.00	51.71 / 47.66 / 4.05 / 4.36 / -0.31 / +0.28	51.29 / 47.45 / 4.84 / 4.50 / -0.35 / -0.23	51.24 / 47.24 / 4.00 / 4.70 / -0.70 / -0.76	51.24 / 47.03 / 4.21 / 4.77 / -0.56 / -0.86	50.87 / 46.87 / 4.05 / 4.55 / -0.50 / -0.73	50.87 / 46.61 / 4.26 / 3.74 / +0.52 / +0.20
						51.55 / 46.40 / 5.15 / 4.29 / +0.86 Topeb / +0.46

Paving Alley Block 140 University Hgts
From Tyler to Cleveland

		E		W
0+0	= S.L. Tyler Paving	326.66	Paving	324.61
20'S	Break	328.83		328.53
40'S	Break	329.86		329.56
60'S	Break	330.00		329.70
110'S		329.26		328.97
160'S		328.51		328.23
210'S		327.77		327.50
260'S		327.02		326.76
310'S		326.26		326.02
360'S		325.51		325.29
410'S		324.76		324.55
428'S	= Δ on E Break	324.50	420' = Δ on W	324.40
481.5'S		320.00		319.95
535'S	Break	315.50		315.50
585'S		313.28		313.20
635'S		311.05		310.90
685'S		308.82		308.60
710'S	Break	307.70		307.45 Paving
745'S		306.87		
780'S	Paving = E.L. Cleveland	306.05		

BM 312.02 S.E. Tyler + Cleveland

12.56								
324.58		35.13		33.92		33.36		31.47
0.68	E	28.83	29.86	30.00	29.26	28.51	27.77	27.02
323.90		6.30	5.27	3.92	4.66	4.85	5.59	4.45
11.23		1.92	1.27	0.58	1.66	1.52	2.28	1.38
335.13		+4.38	+4.00	+3.34	+3.00	+3.33	+3.31	+3.07
4.77								
330.36				35.13		33.92		
3.56	W	28.53	29.56	29.70	28.97	28.23	27.50	26.76
333.92		6.60	5.57	5.43	4.95	5.69	5.86	4.71
4.80		5.54	5.74	6.18	6.13	5.03	6.39	3.71
329.12		+1.06	-0.17	-0.75	-1.18	+0.66	-0.53	+1.00 Garage O.K.
4.24					Δ			
333.36		30.47	30.53		28.72		18.61	
5.87	E	26.26	25.51	24.76	24.50	20.00	15.50	13.28
327.49		4.21	5.02	5.77	4.22	8.72	3.11	5.33
3.98		1.41	2.33	3.77	2.64	6.91	1.61	5.13
331.47		+2.80	+2.69	+2.00	+1.58	+1.81	+1.50	+0.20
5.30					Δ			
326.17			30.53	30.53				
4.30	W	26.02	25.29	24.55	24.40	19.95	15.50	13.20
330.47		4.45	5.24	5.98	4.32	8.77	3.11	5.41
4.75		5.33	5.84	4.98	4.40	9.57	3.00	4.41
325.72		-0.88	-0.60	+1.00	-0.08 Conc Garage	-0.80	+0.11	+1.00
4.81			14.70		11.45			
330.53	E	11.05	08.82	7.70	6.87	6.05 Paving		
5.24		7.56	5.88	7.00	4.58			
325.29		6.56	4.63	5.92	3.85			
3.43		+1.00	+1.25	+1.08	+0.73			
328.72		14.70						
12.37	W	10.90	8.60	7.45				
316.35		3.80	6.10					
2.26		3.43	5.12					
318.61		+0.37	+0.98					
7.00								
311.61								
3.09								
314.70								
7.89								
306.81								
4.64								
311.45								
1.00								
310.45								
6.65								
317.10								
5.11								
311.99	BM S.E. Tyler + Cleveland							

5.11.26
Sisson
Bliss
Northern

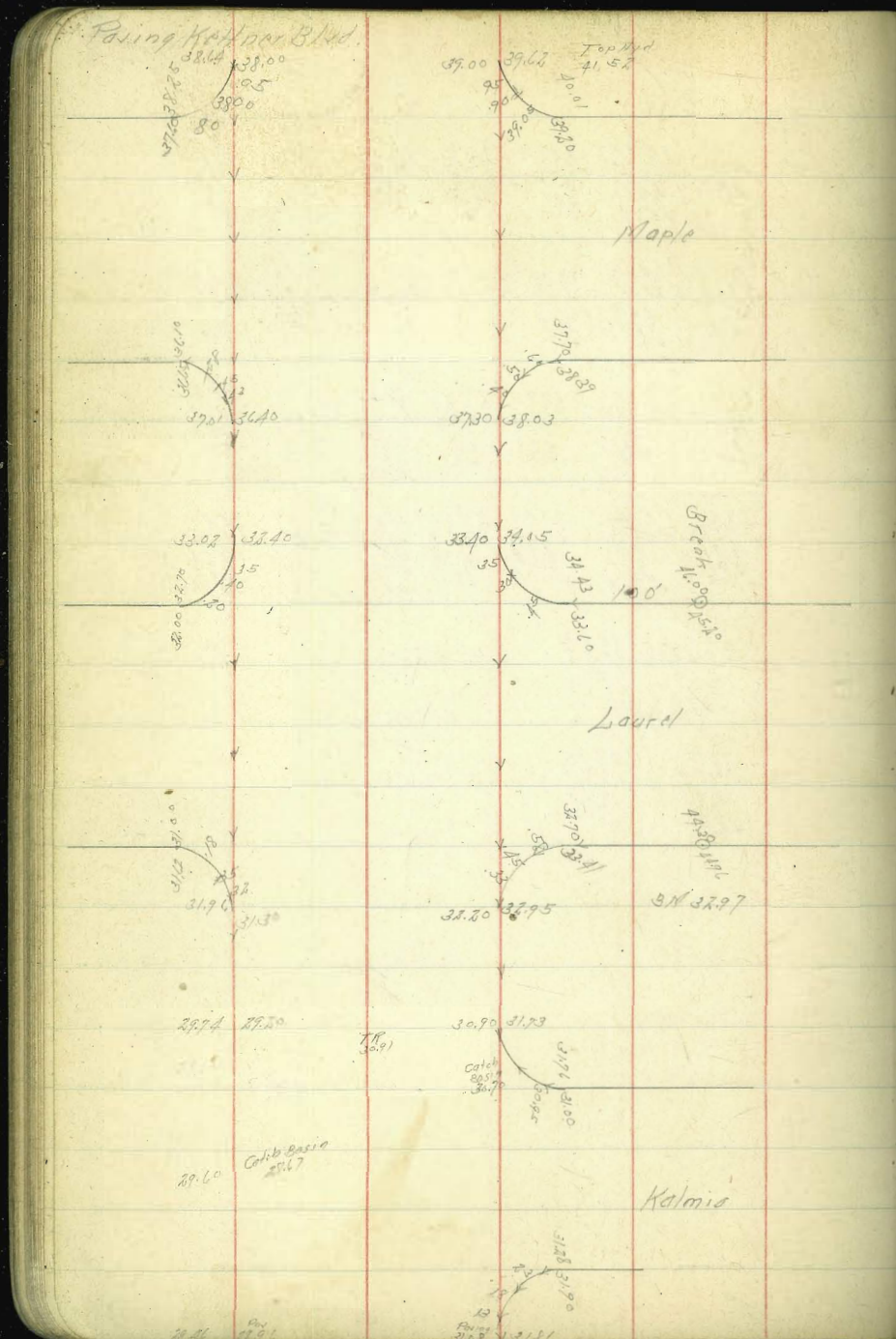
Paving Alley Block A Wallace Hgts.
Between Redwood + Spruce

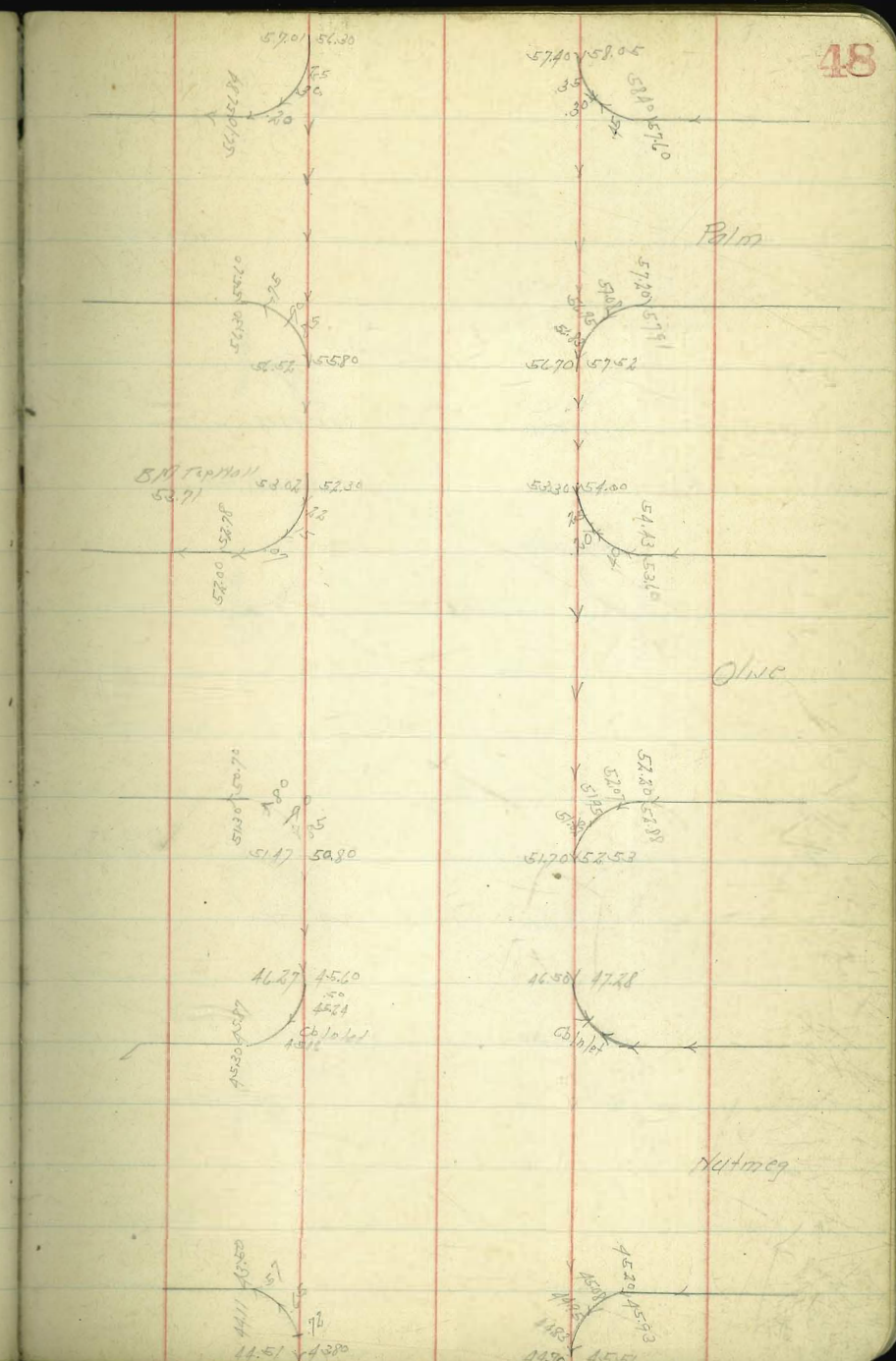
		S	N
W.L. Dale		314.09	314.31
50'N		314.84	315.05
100'N	Brk	315.60	315.80
150'N		317.83	318.03
200'N		320.07	320.27
220'N	Brk	320.96	321.16
245'N		321.80	322.06
270'N		322.50	322.70
295'N		322.80	323.00
320'N	Brk	322.65	322.85
350'N		322.33	322.52
400'N		321.80	321.97
450'N		321.27	321.42
490'N		320.85	320.98
550'N		320.22	320.32
600'N	E.L. Granado	319.69	319.77

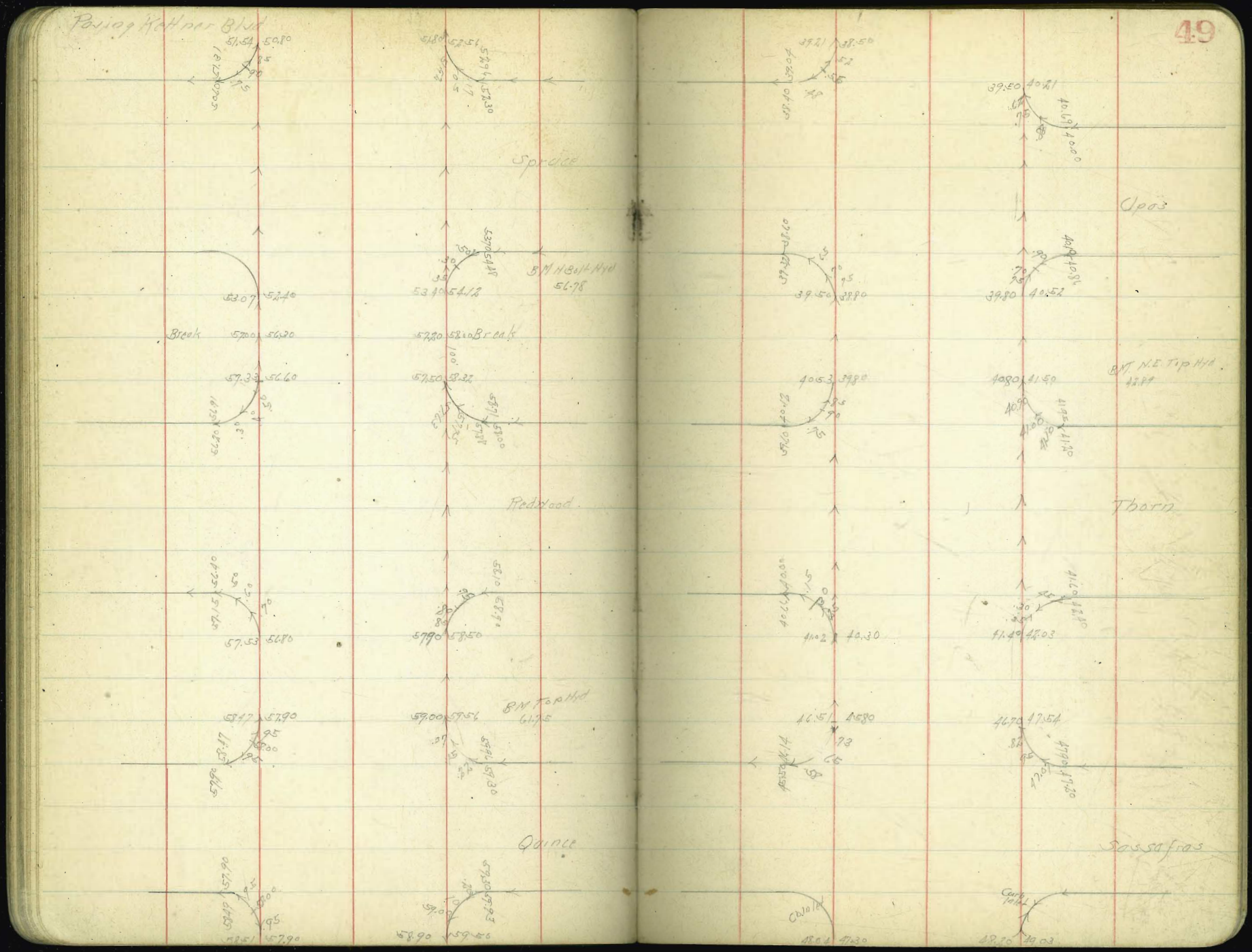
5.19.22
G.S.S.
Bigs
Northern

311.84 SE Redwood
2.77 + Dale
314.61
3.20
317.29
3.29
320.58
2.70
323.28
3.28
326.56
3.40
329.96
3.47
333.43
5.18
328.25
3.78
324.47
3.51
320.96
3.61
317.35
4.33
313.02
311.84

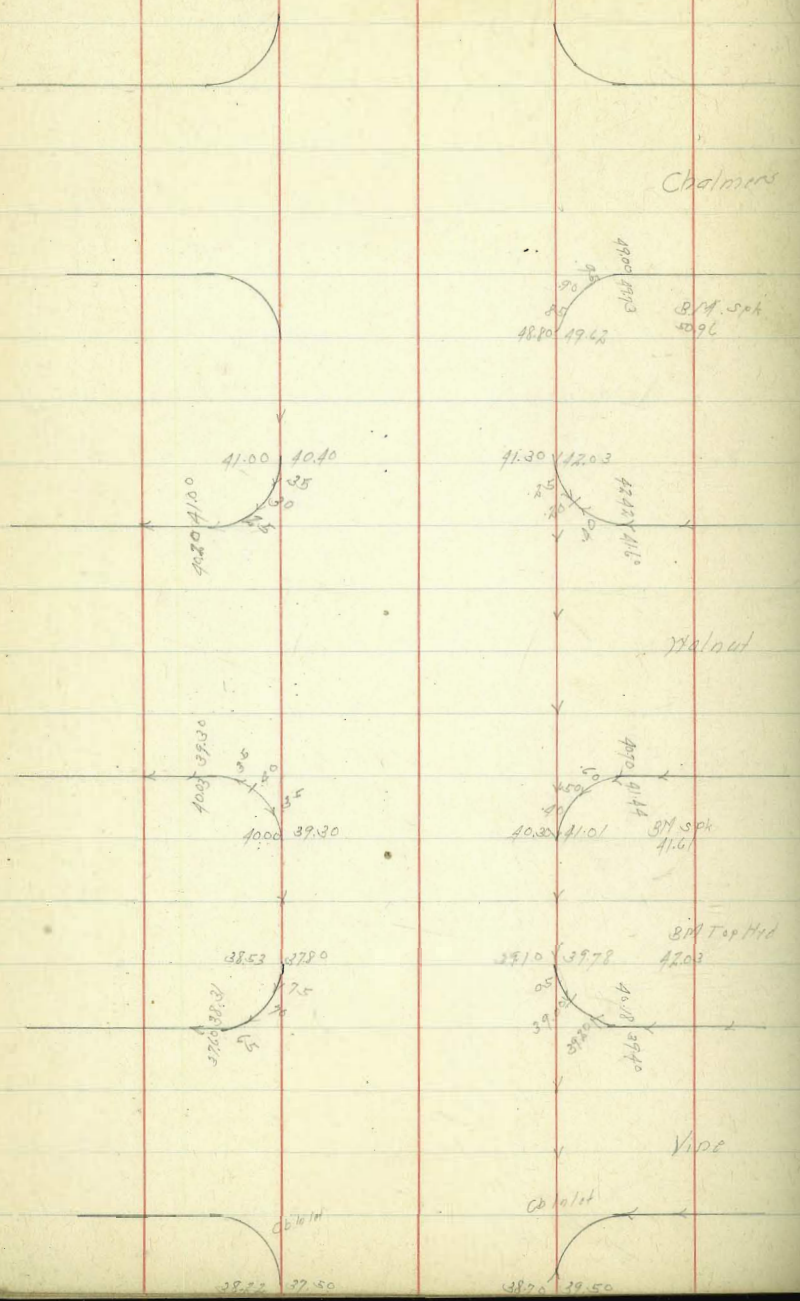
						Brk		
N	19.29	19.29	19.29	23.29	23.29	23.29	23.29	27.41
	14.31	15.05	15.80	18.03	20.27	21.16	22.06	
	4.98	4.24	3.49	5.26	3.02	2.13	1.23	5.35
		6.34	2.49	5.23	2.06	1.13	5.27	
		+0.54	+1.60	+0.03	+1.00	+1.60	+0.14	
S	19.29	19.29	19.29	23.29	23.29	23.29	23.29	
	14.09	14.84	15.60	17.83	20.07	20.96	21.80	
	5.20	4.45	3.69	5.46	3.22	2.33	1.49	
	5.22	3.85	3.28	5.68	2.22	2.51	1.57	
		+0.60	+0.91	-0.22	+1.00	-0.18	-0.08	
N	27.41	27.41	27.41	27.41	27.41	27.41	27.51	
	22.50	23.00	22.85	22.52	21.97	21.42	20.98	
	4.91	4.41	4.56	4.89	5.44	5.99	6.53	
	4.65	3.91	4.40	4.57	5.13	6.07	4.46	
	+0.07	+1.00	+0.16	+0.28	-0.19	-0.08	+0.07	
S	27.41	27.41	27.41	27.41	27.51	27.41	27.51	
	22.50	22.70	22.15	22.33	21.00	21.27	20.85	
	4.91	4.71	4.26	5.08	6.51	6.14	6.66	
	3.91	4.15	4.25	4.99	3.53	5.14	3.66	
	+1.00	-0.04	+0.11	+0.09	-0.22	+1.60	+1.00	
N	25.51	24.83						
	20.32	19.77						
	5.19	5.06						
	5.01							
	+0.18							
S	24.83	24.83						
	20.22	19.69						
	4.61	5.14						
	4.11	5.23 Pa.						
	+0.50							

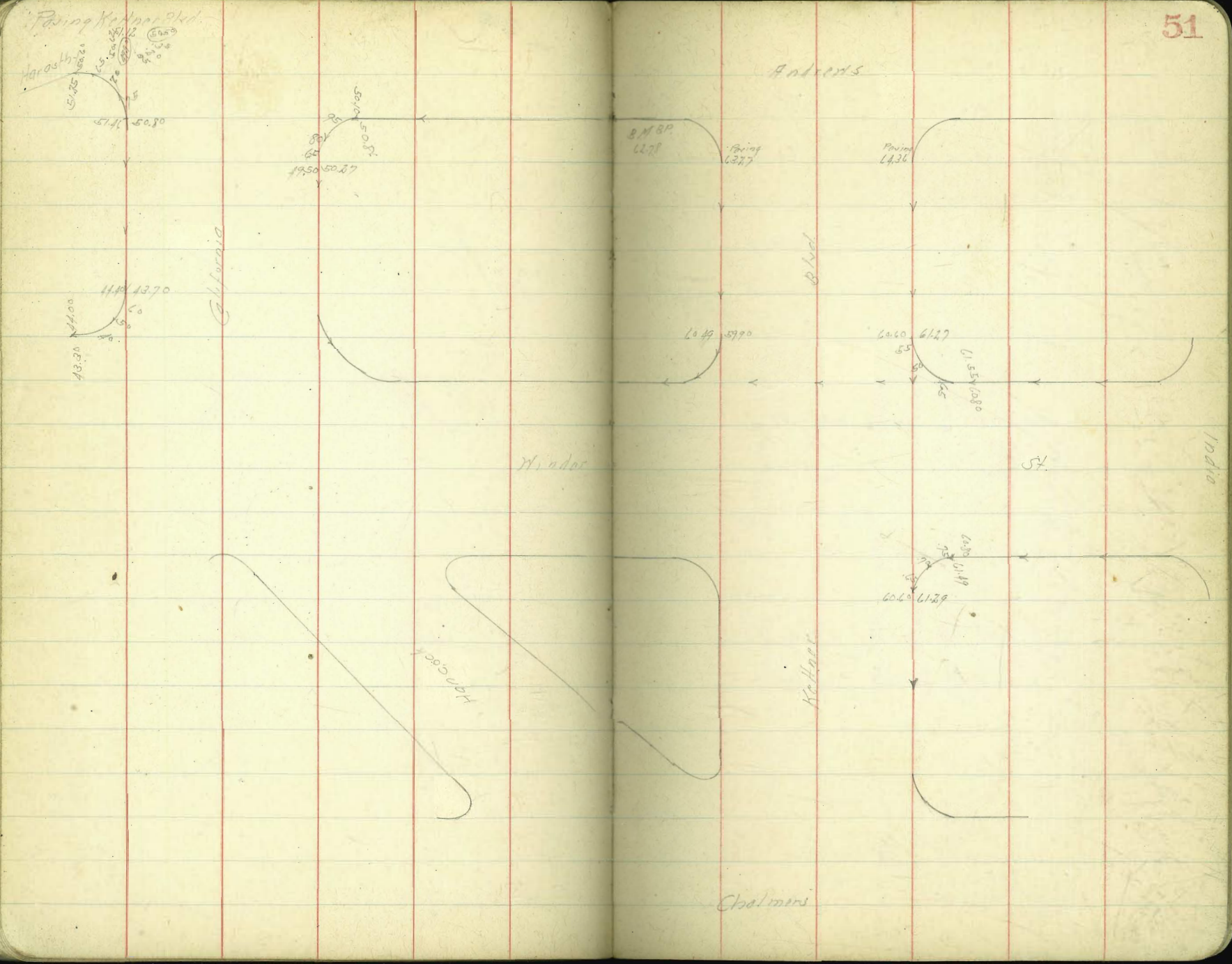

Paving Kettner Blvd.
Top Hyd 41.52
Maple
Break
Laurel
BM 32.97
Catch Basin
Kalmia


Palm
BM Top Wall 53.71
Olive
Cb Inlet
Nutmeg


Paving Kettner Blvd
Spruce
BM H Bolt Hyd
56.78
Break
Break
Redwood
BM Top Hyd
61.75
Quince
Upas
BM N.E. Top Hyd
42.84
Thorn
Sassafras
Curb Inlet
Curb Inlet

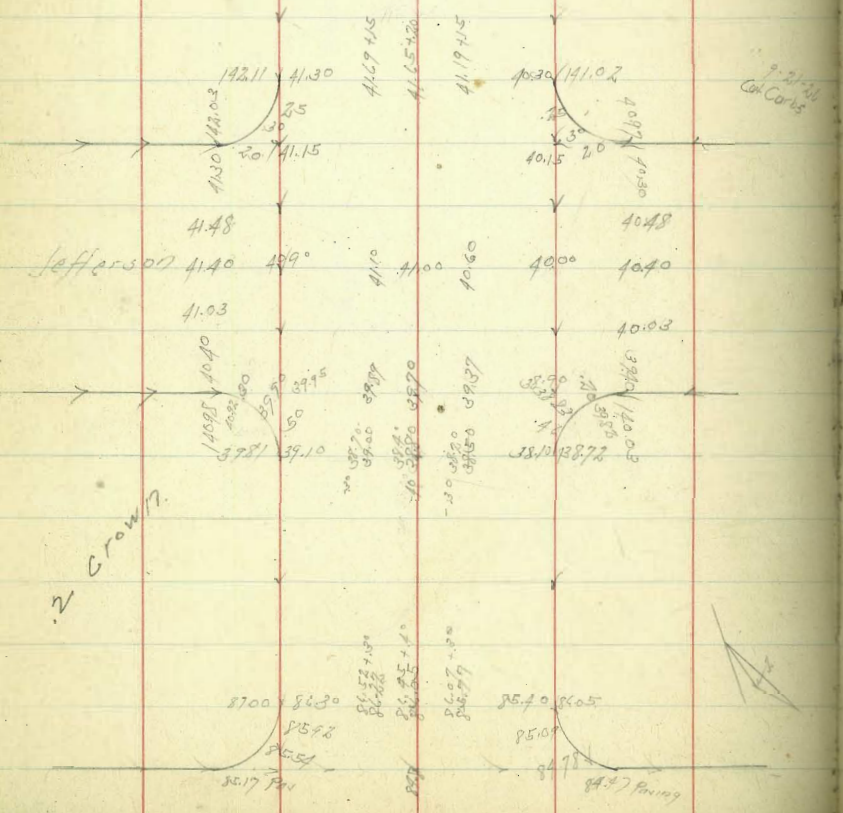
Paving Kellner Blvd.




Paving Kettner Blvd
Harasth
Andrews
California
Windor
Kettner
Blvd
St.
India
Chalmers
B.M.B.P.
62.78
Paving
63.27
Paving
64.36
60.49
59.90
60.60
61.27
60.60
61.29
51.46
50.80
44.40
43.70
43.30
49.50
50.27

Grades on Bandini
From Lafollo to Jefferson

	N	S
E L Bandini	87.25	86.25
50' E	99.72	98.72
100' E	112.20	111.20
150' E	124.67	123.67
200' E	137.15	136.15
212.5 = M L Jefferson	140.25	139.25



BM NE
Bandini & Lafollo
82.15
82.44
82.37
82.35 N
98.00
98.00
113.00
116.93
110.57
112.44
127.79
127.37
127.94
127.76
135.88
135.48
140.14
141.25
141.75 BM
SE Hand Hole
Bandini & Jefferson
141.78

	98.87	111.0	123.2	135.68	137.15	145.26
N	87.25	99.72	112.20	124.67	137.15	140.25
	11.6	11.3	11.0	11.0	135.6 (N)	5.0
	5.8	4.7	8.6	11.6	-1.5	4.4
	+1.3	+6.6	+2.4	-0.6	-2.4	+0.6
				123.2	135.68	
S	86.25	98.72	111.20	123.67	136.15	139.25
	12.1	-0.3	-0.2	-0.5	-0.5	6.0
	11.5	8.0	10.0	7.6	3.6	4.5
	+0.6	-8.3	-10.2	-8.1	-4.1	+1.5

BM SW Hand Hole
141.43

Posing Alley Block 199 Univ. Hgts
Between Texas + Louisiana
From University to Lincoln

		H	E
N L Univ		306.32	307.19
40 N	Brk	310.00	310.30
70		310.15	310.45
100		310.30	310.60
150		310.55	310.85
200		310.80	311.10
250		311.05	311.35
300	Brk	311.30	311.60
350		310.82	311.12
400		310.34	310.64
450		309.86	310.16
500		309.38	309.68
530		309.09	309.39
560	Break	308.80	309.10
609	End Cb Retaining S S to Lincoln	309.40	308.00

312.93 / 1.63 / 311.30 / 2.54 / 311.79 / 3.51 / 312.30 / 3.20 / 312.50 / 2.87 / 312.43 / 3.42 / 314.05 / 2.89 / 311.77 / 3.72 / 314.75 / 2.07 / 308.88 / 5.84 / 312.72 / 2.26 / 312.86

W Univ Trax

	14.01	14.01	14.01	14.01	14.01	15.00	15.00
W	310.00	10.15	10.30	10.55	10.80	11.05	11.30
	4.61	3.86	3.71	3.46	3.21	2.96	2.71
	4.55	4.68	4.41	4.55	4.15	4.65	4.12
	-0.54	-0.82	-0.77	-1.09	-0.94	-0.73	-0.41
					15.00		
E	10.30	10.45	10.60	10.85	11.10	11.35	11.60
	3.71	3.56	3.41	3.16	2.90	2.65	2.40
	3.80	3.81	3.44	1.16	2.90	2.65	2.40
	+0.09	+0.25	+0.15	+2.00	+1.00	+1.00	+1.00

SE Lindsay Texas
316.91

Trees 7.63

	15.00	15.00	14.05	14.05	14.95	14.95	14.95
W	10.87	10.34	9.86	9.38	9.09	8.80	7.40
	4.18	4.66	4.19	4.67	5.86	6.15	7.55
	5.11	5.69	5.25	3.65	6.55	5.21	
	-0.93	-0.88	-1.06	+1.00	+0.71	+0.94	

Trees 8.62

E	11.12	10.64	10.16	9.68	9.39	9.10	8.00
	3.88	4.36	3.89	4.37	5.56	5.85	6.95
	4.88	3.36	4.25	3.37	4.85	2.85	
	+1.00	+1.00	-0.36	+1.00	+1.13	+3.00	

Spring Lateral 50' N N L Univ on W L Ellis

	14.01
	304.0
	1.51
	4.71
	+5.60

Paving Alley Block 3½ City Lights
Between 46th & Chamoune
From University to Polk

		W	E
NL Unit.		351.57 Paving	351.72 Paving
40'N	⊙ Brk.	354.60	355.00
90'N		355.30	355.70
140'N	⊙ Brk.	356.00	356.40
180'N		356.20	356.60
225'N		356.40	356.80
260'N	⊙ Brk.	356.60	357.00
300'N		356.38	356.78
350'N		356.11	356.33
400'N		355.83	355.95
430'N		355.67	355.73
460'N	⊙ Brk.	355.50	355.50
515'N		354.45	354.45
570'N	⊙ Brk	353.40	353.00
600'N	-SL Polk	352.17 Top Walk	351.87

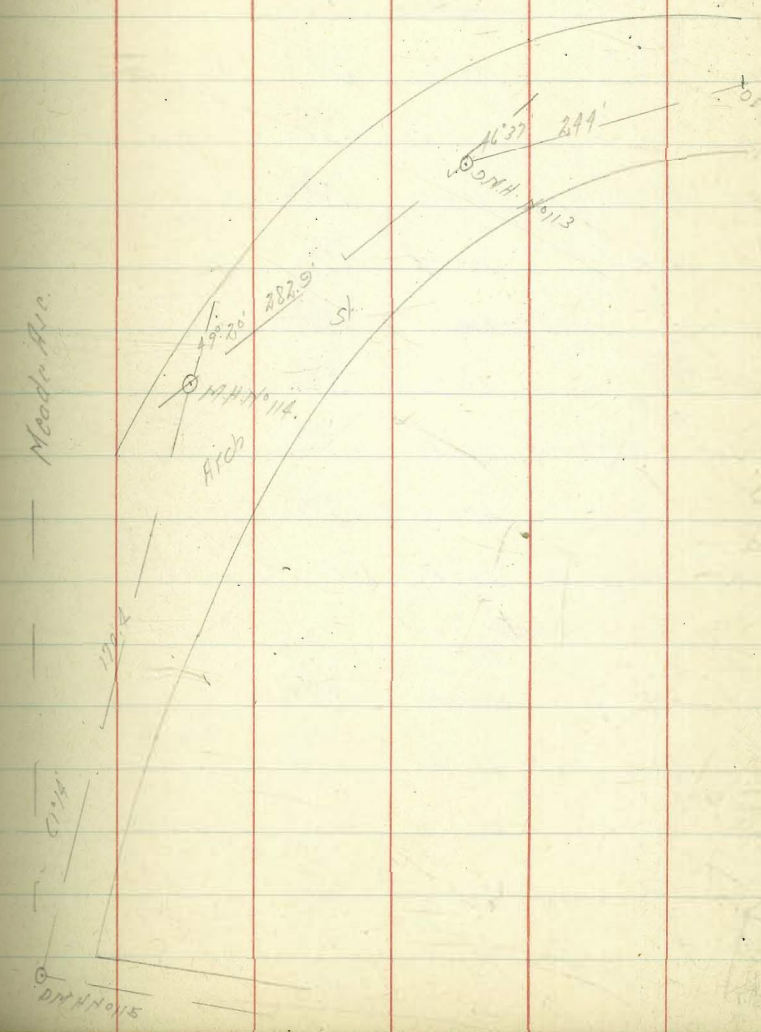
5-26-46
515.07
311.55
Northern

35.57 Paving NL
.94
36.46
.92
35.67
.92
36.59
.525
36.14
.02
36.20
.677
35.243
.372
35.50

W	61.46	61.46	61.46	61.46	61.06	61.39	61.39
	54.60	55.30	56.00	56.40	56.00	56.70	56.38
	6.86	6.16	5.46	5.06	5.06	4.79	5.01
	6.70	6.00	5.67	5.21	5.24	5.43	5.32
	+0.16	+0.10	+0.10	-0.35	-0.18	-0.56	-0.32
E	61.46	61.46	61.46	61.46	61.39	61.39	61.39
	55.00	55.70	56.40	56.60	56.10	57.00	56.70
	6.46	5.76	5.06	4.86	4.29	4.39	4.69
	6.31	5.48	4.82	4.86	4.62	4.87	4.99
	+0.15	+0.28	+0.24	+1.00	0.03	-0.48	0.25
W	61.39	61.39	61.39	61.39	61.39	58.30	58.30
	55.11	55.83	55.67	55.50	55.45	53.40	54.17
	5.28	5.56	5.72	5.89	6.05	4.90	6.13
	5.25	5.36	5.62	5.81	5.75	4.70	
	+0.03	+0.20	+0.10	+0.08	+1.00	+0.20	
E	61.20	61.20	61.20	61.20	58.30	58.30	58.30
	55.55	55.95	55.73	55.50	54.25	53.00	54.87
	4.87	5.25	5.47	5.70	4.05	5.30	6.43
	4.32	5.02	5.25	5.99	4.05	5.32	
	+0.55	+0.23	+0.22	-0.29	0.00	-0.02	

Sewer Construction Arch

				HH Seaman Arch 30298 / 6.03 / 309.01 / 0.29 / 308.72 / 11.29 / 319.99 / 1.52 / 318.47 / 11.79 / 330.26
DMH No 115		298.50		
50'		298.79	10.22 / 3.80 / +6.42	
100'	587%	299.08	9.93 / 4.03 / +5.90	
150'		299.38	9.63 / 4.16 / +5.47	
170.4 MH No 114 ΔR 49°20'		299.50	9.51 / 4.51 / +5.00	
50'		300.56	8.45 / 2.84 / +5.61	
100		301.62	7.39 / 2.31 / +5.08	
150	212%	302.68	6.33 / 0.29 / +6.04	
200		303.74	16.25 / 9.32 / +6.93	
250		304.80	15.19 / 6.44 / +8.75	
282.9 DMH No 113 ΔR 46.37		305.50	14.49 / 5.71 / +8.78 / 310.00	9.99 / 5.9 / +4.2
50		312.87	7.12 / 1.54 / +5.58	
100		315.74	14.52 / 7.28 / +5.24	
150	574%	318.61	11.65 / 6.25 / +5.40	
200		321.48	8.78 / 3.41 / +5.37	
244	DE	324.00	6.26 / 0.38 / +5.38	



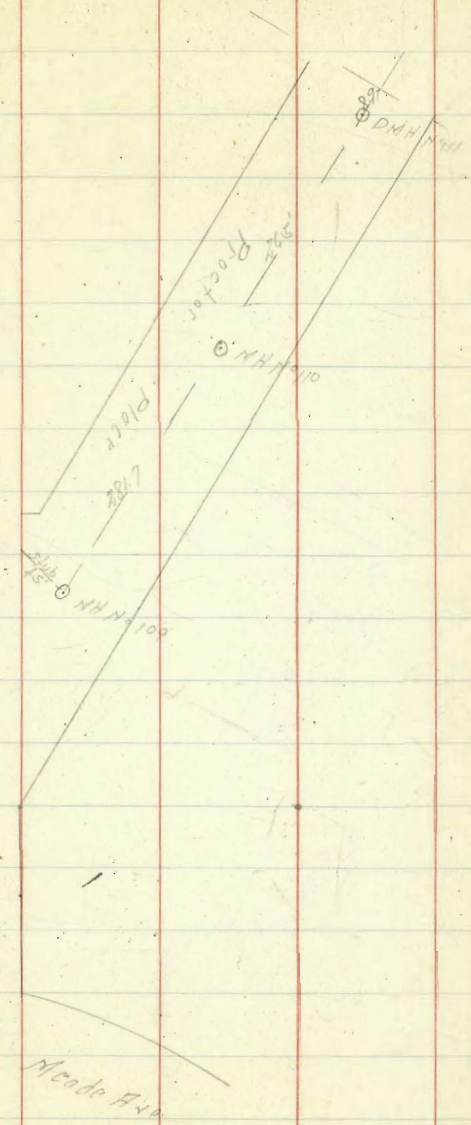
Sewer Construction Meade Ave

			Alley Sub. 16 N		NW Sewer Rim 302.98
			314.21	314.21	2.52
			300.50	301.96	302.50
			13.71	12.25	
			+6.37	8.75	
				+4.13	
DMH No 115		298.50			
			8.19		
50' N		297.31	8.27		
			+5.97		
100' N		296.11	8.39		
			+5.70		
150' N	0.16	294.92	10.58		
			5.83		
	2.39		+5.55		
200' N		293.72	11.78		
			6.27		
			+5.51		
250' N		292.52	12.97		
			7.52		
			+5.45		
272.4' N	MH No 116	292.00	13.50		
			7.90		
			+5.60		
50' N		291.62	13.88		
			8.27		
			+5.61		
100' N		291.23	14.27		
			8.65		
			+5.54		
150' N	0.77 %	290.85	14.65		
			9.20		
			+5.45		
200' N		290.46	15.04		
			9.80		
			+5.24		
230' N		290.23	15.77		
			9.84		
			+5.77		
			15.50	19.50	
			9.92	9.83	
			+5.07	10.67	
260' N	DMH No 117	290.00	256.00		
			314.21		
			300.50		
			13.71		
DMH No 115		300.50	+4.37		
			314.21		
50' S		301.13	301.08		
			13.13		
	1.37 %		+4.83		
100' S		301.77	314.21		
			301.77		
			12.44		
			+5.		
118.1' = DE		302.00	314.21		
			302.00		
			12.21		
			7.86		
			+5.15		

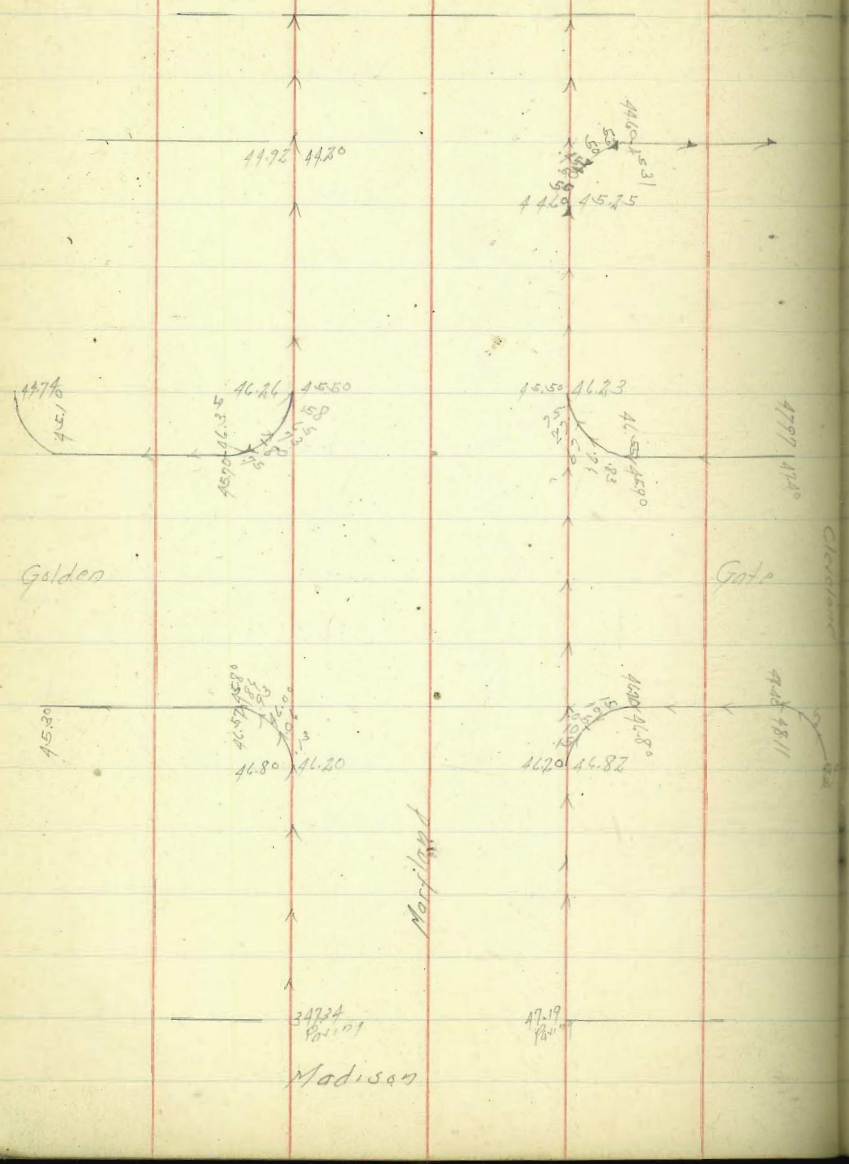
					22.00
					67.23
					12.77
					10.45
					+3.8
DM 302.98	NW Sewer Arch				
	0.24				
	303.22				
	7.74				
	295.48				
	0.84				
	296.32				
	13.07				
	283.25				
	1.85				
	284.98				
	8.23				
	276.75				
	272.00				
		50		257.73	
					17.80
					8.54
		1	Arch	283.56	15.26
					8.60
					8.49
		91.5		284.71	12.52
					+10.75
					96
			Conc Cap	285.92	
			DMH No 117		
			MH No 116		
					St.
			DMH No 117		
			5.46		
			5.45		
			137.23'		
			Arch		
			118.1		
			DE		

Sewer Construction Foster Place

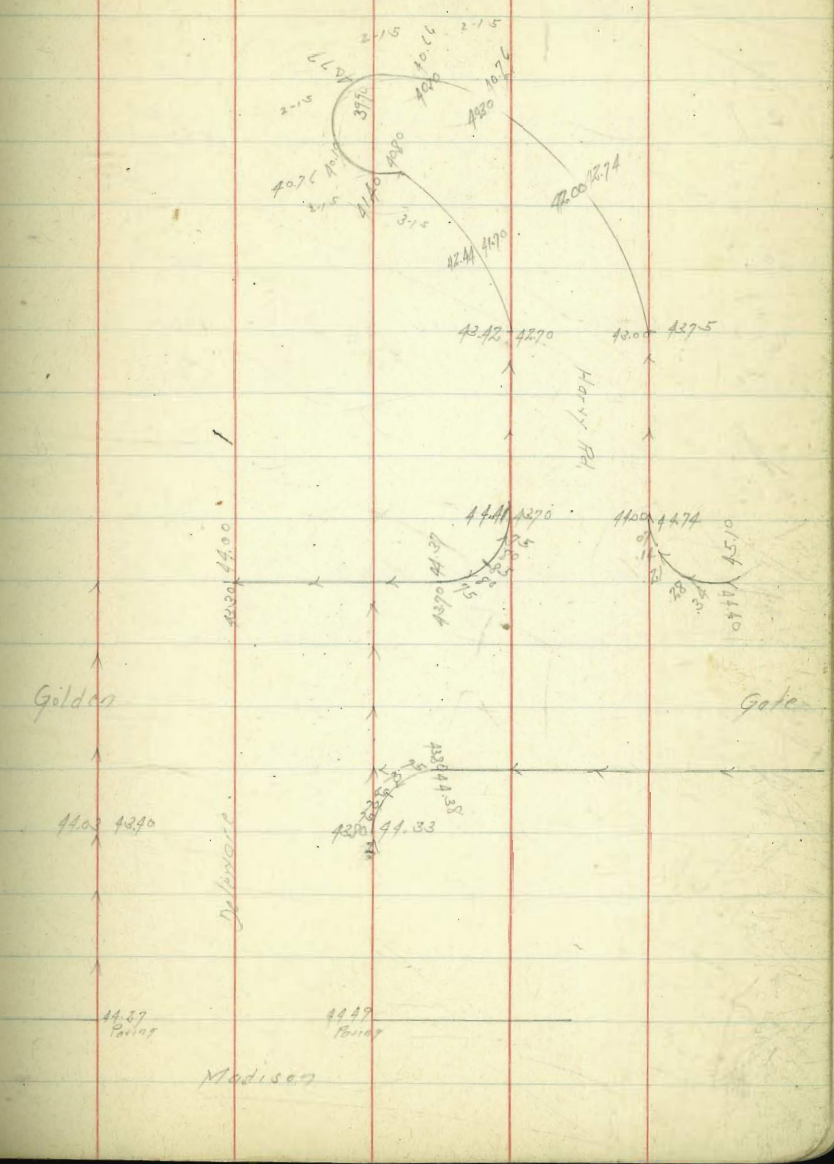
					NW Seaman & Arch	30298
8.5 S		288.66				31423
						8357
						30597
						1758
						30180
						6.55
			91.22	8875		30630
			12.97	11.94		8.39
D.M.H No 111		291.22	288.75	15.30		30367
			3.23			
			47.17	+9.24		
			12.12			
50'N		291.52	3.16			
			+4.98			
			11.87			
100'N		291.82	4.74			
			+7.13			
			11.57			
150'N		292.12	4.23			
			+7.3			
			30269			
			29424			
			15.39			
200'N		292.42	+7.34			
			12.08			
			6.37			
250'N		292.72	+7.60			
			13.99			
			6.41			
265'N M.H. No 110		292.81	+7.58			
			13.68			
			5.87			
50'N		293.11	+7.86			
			13.39			
			4.78			
100'N		293.41	+7.95			
			13.09			
			4.39			
150'N		293.71	+8.30			
			12.79			
			3.79			
200'N		294.01	+8.83			
			30689			
			29433			
			12.58			
250'N		294.31	+10.91			
			31421			
			8.80			
			12.27			
281.7 M.H. No 109		294.50	7.52			
			+11.59			
			31421			
			9497			
45'SE		294.77	12.41			
			8.33			
			+11.31			



Paving Maryland St.



Paving Delaware



Grades on Hancock
Chalmers to Winder

	E	W
SL Winder		45.75
26.75 = SL Winder	48.50	
50's	48.83	46.56
100's	49.57	47.37
150's	50.32	48.18
200's	51.07	48.99
262.6 Brk = P.C	52.00	50.00
300's		49.34
333's		48.75

Grades At Winder And California

161.5' W. WL Kettner		47.30
L Curve		46.20
E.C.		45.60

SF Spk
50.96 Chalmers &
7.58 Kettner
58.54

E	58.54 48.50 10.0 7.4 +2.6	58.54 48.83 9.7 8.7 +1.0	58.54 49.57 9.0 5.1 +3.9	58.54 50.32 8.2 2.1 +6.1	58.54 51.07 7.5 1.2 +6.3	58.54 52.00 6.5 4.1 2.4
W	58.54 45.75 12.8 14.2 -1.4	58.54 46.56 12.0 13.2 -1.2	58.54 47.37 11.2 12.4 -1.2	58.54 48.18 10.4 11.3 -0.9	58.54 48.99 9.5 11.4 -1.9	58.54 50.00 8.5 11.6 -3.1
W	58.54 49.34 9.2 11.2 -2.0	58.54 48.75 9.8 10.9 -1.1				

52.53
2.29
54.82

45.60 9.22 7.00 +2.2	46.20 8.60 6.00 +2.60	47.30 7.52 4.3 +3.2	

Grades on Ampodia
W ℄ Congress to 200' W W.L. Moore

	S	N
0+0 = W ℄ Congress		42.25
21.7' W = W ℄ Lafolla	43.25	
50' W	42.45	40.92
100' W	41.01	39.58
150' W	39.57	38.25
200' W	38.13	36.92
250' W	36.69	35.58
300' W = E ℄ Jefferson	35.25	34.25
0+0 = W ℄ "	34.75	32.75
50' W	33.83	33.00
100' W	32.91	32.25
150' W	32.00	31.50
200' W	31.08	30.75
250' W	30.16	30.00
300' W = E ℄ Moore	29.25	29.25
0+0 W ℄ "	28.25	28.25
50' W	27.88	27.82
100' W	27.50	27.50
150' W	27.13	27.18
200' W	26.75	26.75

6-7-26
Sunny
Northern

NW Sol. Congress + Ampodia
43.09
5.12
48.23
2.35
35.21
7.61
35.60
2.26
35.79
4.62
31.37

SW Mon Ampodia + La Folla
44.43

Hard Pole SW Cor. Ampodia + Moore

S	48.23	48.23	48.23	48.23	48.23	48.23	48.23
	43.25	42.45	41.01	39.57	38.13	36.69	35.25
	5.9	5.8	7.2	8.6	10.0	11.5	13.0
	+1.4	4.3	6.4	8.4	8.5	10.7	12.5
		+1.5	+0.6	+2.2	+1.6	+0.8	+0.5
N	48.23	48.23	48.23	48.23	48.23	48.23	48.23
	42.25	40.92	39.58	38.25	36.92	35.58	34.25
	6.0	7.3	8.6	10.0	11.3	12.6	14.0
	6.4	9.1	9.7	10.4	11.4	12.6	13.2
	-0.4	-1.8	-1.1	-0.4	-0.1	0.0	+1.0

48.23
39.03
9.23
7.23
+2.10
50' End Culvert

S	38.01	38.01	38.01	38.01	38.01	38.01	38.01
	34.75	33.83	32.91	32.00	31.08	30.16	29.25
	3.2	4.2	5.1	6.0	6.9	7.8	8.7
	4.2	4.2	3.8	3.7	5.1	6.3	8.8
	+0.7	+1.6		-2.1	1.8	+1.5	0.0
N	38.75	33.00	32.25	31.50	30.75	30.00	29.25
	4.25	5.0	5.76	6.5	7.26	8.0	8.76
	7.95	4.2	5.3	5.1	5.2	7.7	8.6
	-3.70	+0.3	+0.5	+1.4	+1.6	+0.3	-1.2

Tie 50 Tie
Tie 50 Tie
℄ Ampodia
℄ Moore
℄ Jefferson
℄ Congress
℄ 3rd Ave

S	28.25	33.39	33.1	33.4	33.9
	9.76	27.88	27.50	27.12	26.75
	9.45	5.5	5.9	6.3	6.6
	+0.3	5.3	4.7	6.4	6.4
		+0.2	+1.2	+1.9	-0.2
N	9.76	5.5	5.9	6.3	6.6
	9.85	5.4	5.1	4.7	7.3
	-0.1	+0.3	+0.8	+1.6	+0.3

Alley Paving Block 60 City Hgbts
From Univ to Wightman Between 35th & Wilson

	E	W
S.L. Univ	360.60	360.80
50's	59.83	60.03
100's	59.07	59.27
150's	58.30	58.50
200's	57.54	57.74
250's	56.77	56.97
300's	56.00	56.20
350's	55.24	55.44
400's	54.47	54.67
450's	53.71	53.91
500's	52.94	53.14
550's	52.17	52.37
600's = N.L. Wightman	351.40	351.60

6-12-26

61

N.W.
Univ + 35th St.

361.55
3.91
365.46
6.20
358.76
3.60
362.36
6.30
355.56
3.84
359.40

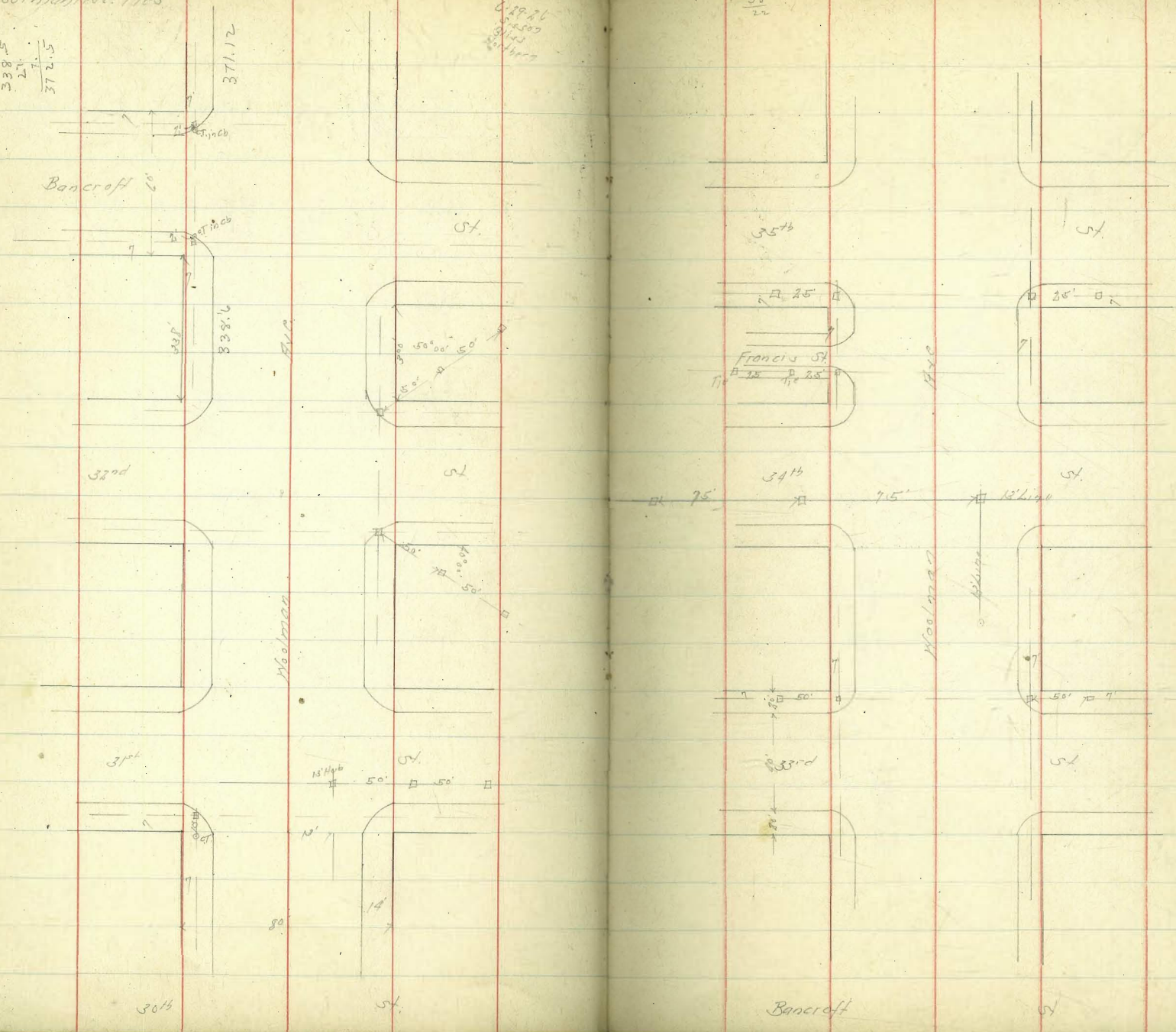
E	65.46 60.60 4.86	65.46 59.83 5.63 4.63 +1.00	62.36 59.07 3.29 2.86 +0.43	62.36 58.30 4.06 4.42 -0.36	62.36 57.54 4.82 4.85 -0.03	62.36 56.77 5.59 5.82 -0.23	62.36 56.00 6.36 5.92 +0.44
W	60.80 4.66	60.03 5.43 5.59 -0.16	59.27 3.09 3.28 -0.18	58.50 3.86 4.20 -0.34	57.74 4.62 4.62 0.0	56.97 5.39 6.00 -0.61	56.20 6.16 6.44 -0.28
E	62.36 55.24 7.12 6.58 +0.54	59.40 54.47 4.93 4.67 +0.26	59.40 53.71 5.69 5.32 +0.37	59.40 52.94 6.46 6.31 +0.15	59.40 52.17 7.23 6.84 +0.39	59.40 51.40 8.00 7.90 +0.[illegible]	
W	59.40 55.44 3.96 3.90 +0.06	54.67 4.73 4.45 +0.28	53.91 5.49 5.13 +0.36	53.14 6.26 5.98 +0.28	52.37 7.03 6.22 +0.81	51.60 7.80 7.67 +0.13	

Woolman Ave. Ties

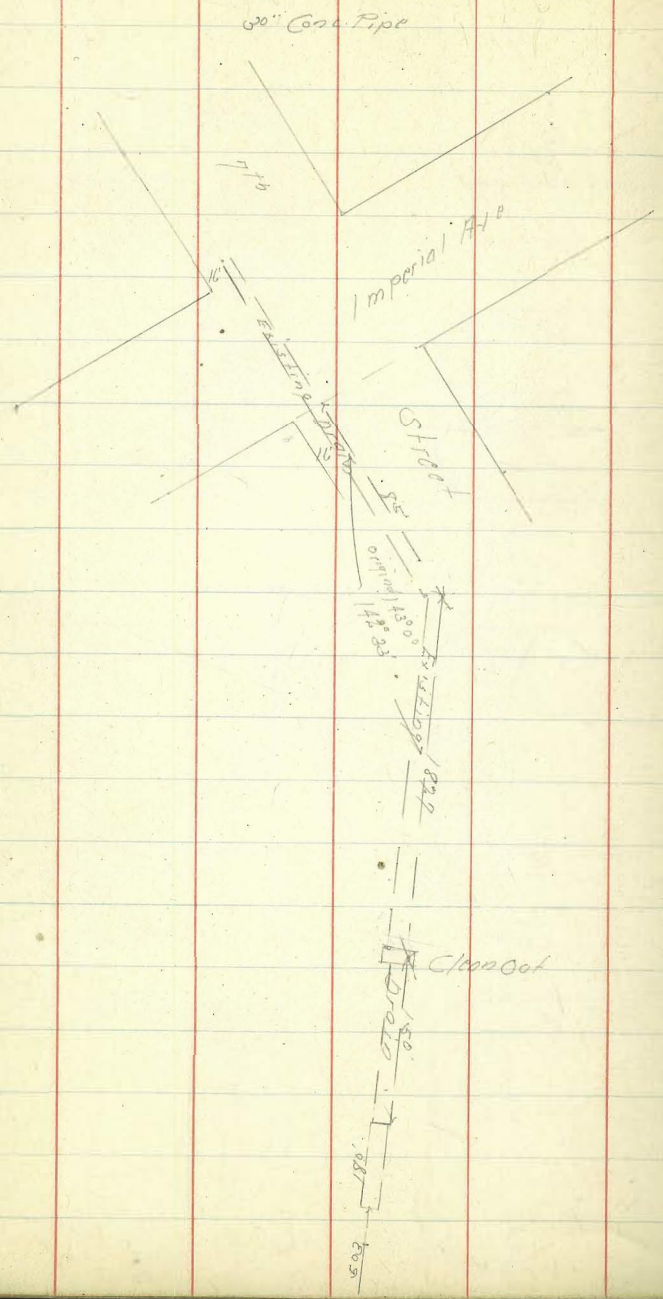
160
160
18.5
338.5
27
7
372.5

6-29-26
Sisson
Bliss
Northern

53
22



Tide Land Drainage "L" Line



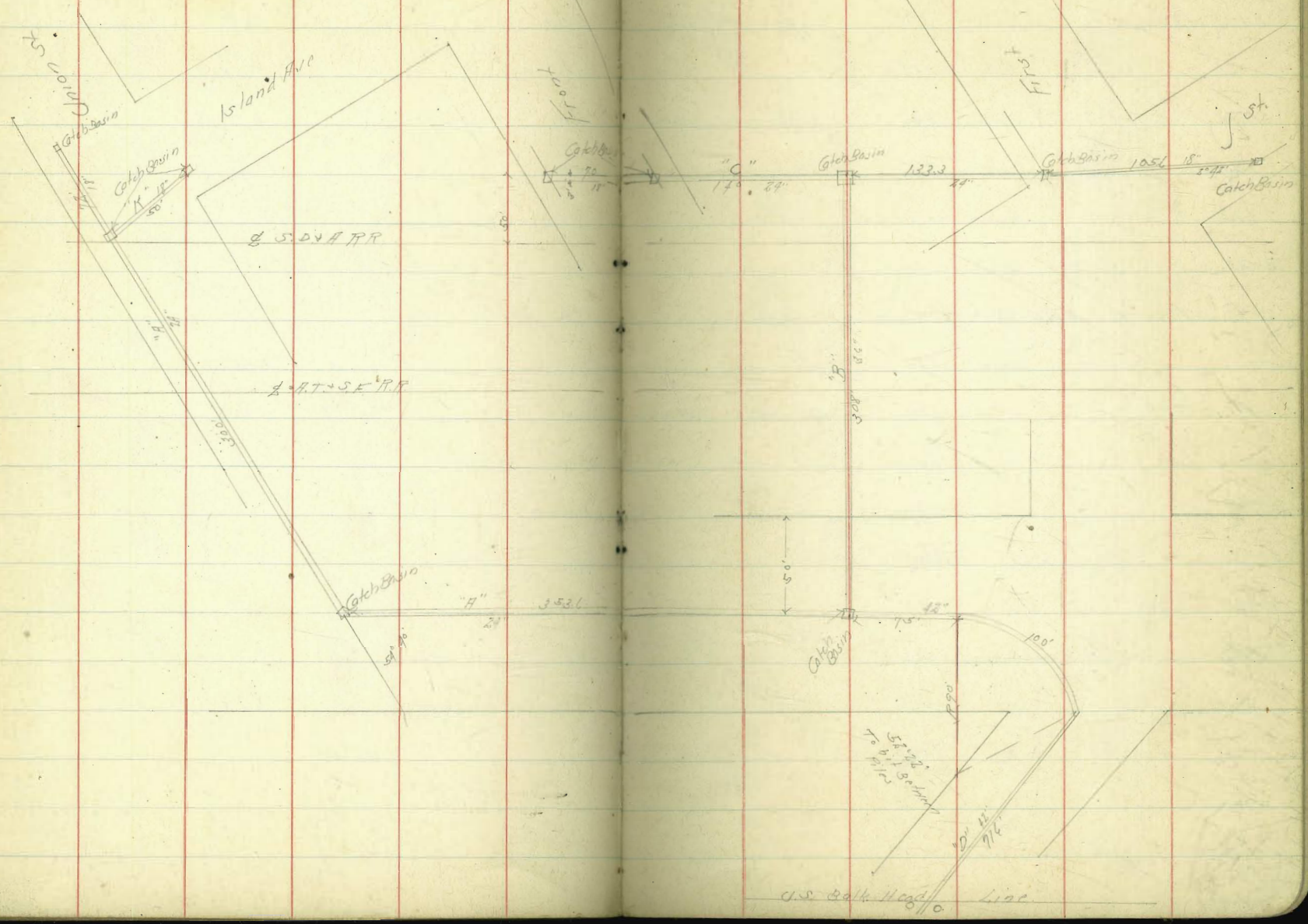
Tide Land Drainage "D" Line
42" Conc. Pipe

9-15-26
Stiffson
Bl. 95
Northern

offset N.W. 20'

0+0	= Junction "A" & "D" Lines	-5.40	13.01 6.30 +6.71		7.61 H.I. 6.09 1.52 4.12 5.64 4.64 1.00 Bk Hd. A & P Conc. to Drain
+50		-5.46		13.07 6.04 +7.03	
1+0		-5.53	13.14 5.59 +7.55		
+50		-5.59		13.20 5.08 +8.12	
2+0		-5.66	13.27 4.76 +8.51		
+50		-5.72		13.33 5.48 +7.85	
3+0		-5.79	13.40 5.78 +7.62		
+50	0.130 %	-5.85		13.46 6.07 +7.39	
4+0		-5.92	13.53 5.98 +7.55		
+50		-5.98		13.59 6.09 +7.50	
5+0		-6.05	5.64 6.05 11.69 3.85 +7.84		
+50		-6.11		11.75 4.81 +6.94	
6+0		-6.18	11.82 4.08 +7.74		
+50		-6.24		11.88 4.45 +7.43	
7+0		-6.31	11.95 4.34 +7.61		
+16	= Bulk Head	-6.33		11.97 4.64 +7.33	

Tide Lands Drainage



Tide Lands Drainage "B" Line 6-30-26

0+0 = Catch Basin N.W. Union + Island		-1.00	2.86 / 5.67 / +5.88	10.93 Market Union / 2.29 / 13.22 / 7.34
0+72 = Catch Basin		-3.78	2.86 / 3.81 / 11.67 / 6.93 / +8.02	7.88 / 2.95 / 7.86
1+22		-3.88	2.86 / 3.81 / 11.67 / 6.47 / +6.67	
1+72	Catch Basin K	-3.97	2.86 / 3.83 / 11.83 / 6.91 / +5.48	
2+22	2.86 / -3.81 / 11.29 / 3.57 / +7.57	-4.07	2.86 / 4.03 / 12.89 / 5.89 / +4.04	
2+72	0.194%	-4.17	2.86 / 4.15 / 13.02 / 6.32 / +4.87	
3+22		-4.26	2.86 / 4.31 / 12.24 / 4.91 / +4.31	
3+72 = Catch Basin A 54°46'		-4.36	2.86 / 4.31 / 12.22 / 4.55 / +4.67	
4+22		-4.46	6.32 / 4.48 / 10.78 / 4.43 / +4.35	
4+72		-4.56	6.32 / 4.51 / 10.88 / 5.70 / +5.70	
5+22		-4.65	6.32 / 4.65 / 10.97 / 5.60 / +5.97	
5+72	0.194%	-4.75	6.32 / 4.75 / 11.07 / 4.57 / +6.50	
6+22		-4.85	6.32 / 4.85 / 11.17 / 3.72 / +7.40	
6+72		-4.94	6.32 / 4.94 / 11.26 / 4.05 / +7.21	
7+25.6 = Catch Basin "B" Line		-5.05	12.65 / 5.55 / +7.05	+1.96 005 / 4.8 / 5.65 Catch / 7.61
+75.6		-5.15	12.76 / 6.37 / +6.39	
8+00.6 E.C.		-5.20	12.81 / 6.20 / +6.41	
+50.6		-5.30	12.81 / 6.33 / +6.48	
9+00.6 = Catch Basin = 0+0 "D Line"		-5.40	13.01 / 6.20 / +6.81	

"C" Line

0+0 = Catch Basin N.W. Front		-2.00	7.02 / 2.00 / 9.02 / 4.93 / +4.93	4.88 Cat. 0+0 / 2.12 / 7.02 H.I. / 4.28 / 3.74 / 4.67 / 5.22 H.I.
0+70 = Catch Basin		-2.53	7.02 / 2.53 / 9.55 / 4.05 / +5.50	
1+20		-2.91	7.02 / 2.91 / 9.93 / 4.67 / +5.26	
1+70	0.768%	-3.29	7.02 / 3.29 / 10.31 / 4.28 / +6.03	
2+10 = Catch Basin		-3.60	7.42 / 3.60 / 11.02 / 4.99 / +6.03	
2+60		-3.90	7.42 / 3.90 / 11.32 / 4.54 / +6.78	
3+10	0.604%	-3.00	7.42 / 3.00 / 10.42 / 4.97 / +5.45	
3+43.3 = Catch Basin A 2°42'		-2.80	7.42 / 2.80 / 10.22 / 4.61 / +5.62	
4+00		-2.46	7.42 / 2.46 / 9.88 / 4.68 / +5.20	
4+48.9 = Catch Basin		-2.16	7.42 / 2.16 / 9.58 / 4.58 / +5.00	

"L" Line 30" Pipe

0+0 = C.B. Junction "L" & Existing Pipe		-4.83	9.53 / 4.83 / 14.36 / 5.07 / +9.29	3.51 B.M. on Curb / 9.53 H.I.
+50		-4.93	9.53 / 4.93 / 14.46 / 5.75 / +10.7	
1+0	0.8	-5.01	9.53 / 5.01 / 14.54 / 5.79 / +8.75	
+50		-5.10	9.53 / 5.10 / 14.63 / 5.75 / +8.75	
+80		-5.15	9.53 / 5.15 / 14.68 / 6.47 / 8.21	

Tide Land Drainage "B" Line

0+0 = Catch Basin Junction C+B	-3.60	7.42 / 3.60 / 11.02 / 4.99 / +6.03
55' S	-3.85	7.42 / 3.85 / 11.27 / 4.44 / +6.83
1+05 S	-4.08	7.42 / 4.08 / 11.50 / 5.27 / +6.23
1+50	-4.30	7.42 / 4.30 / 11.72 / 5.80 / +5.92
2+00	-4.53	6.32 / 4.53 / 10.85 / 4.95 / +5.90
2+50	-4.77	6.32 / 4.77 / 11.09 / 4.85 / +6.24
3+08 = Catch Basin Junction "B+A"	-5.05	1.32 / 5.05 / 11.37 / 4.36 / +7.01

St. Ford 7.42 H.I. 5.80 / 1.62 / 4.70 / 6.32

10-5-26 / 0.0 / 4.65 / 1.05 / +2.15 / 4.68 / 6.83

6.83 / 4.30 / 11.13 / 5.40 / +5.73

6.83 / 4.53 / 11.36 / 5.58 / +5.78

6.83 / 4.77 / 11.60 / 5.37 / +6.23

"I" Line = 30" pipe

6.13 π

6+54.1 = C.B. = 0+00	-4.60	6.13 / 4.4 / 10.53 / 5.65 / +4.88
0+75	-4.4	6.13 / 4.3 / 10.43 / 4.73 / +5.70
1+17.5	-4.3	6.13 / 4.2 / 10.33 / 5.17 / +5.16
1+60 = End Ex. 30" Culvert	-4.2	

Cut 0+52 E 4.70 5.91

4.60 / -3.59 / +1.21

N on Top 8" Ct. Pipe	8.0	-2.1
N on Top 8" Cast Iron Pipe	8.3	-2.4
N Top Rail	4.7	+1.2
N on Top 24" Sewer	6.6	-0.7

"E" Line

7-1-26

0+0 = Catch Basin	-3.50	5.72 / 3.50 / 9.22 / 4.80 / +4.42
0+52	-3.59	5.72 / 3.59 / 9.31 / 4.51 / +4.80
1+02	-3.67	5.72 / 3.67 / 9.39 / 4.70 / +4.69
1+52	-3.75	6.80 / 3.75 / 10.55 / 6.63 / +4.37
2+02	-3.83 ✓	5.72 / 3.83 / 9.55 / 4.02 / +5.53
2+52	-3.91 ✓	5.72 / 3.91 / 9.63 / 3.67 / +5.96
3+02	-4.00	5.72 / 4.00 / 9.72 / 3.41 / +6.31
3+52	-4.08	5.72 / 4.08 / 9.80 / 3.68 / +6.12
3+78 = Catch Basin	-4.15	5.72 / 4.15 / 9.87 / 3.77 / +6.10
4+00	-4.19	6.64 / 4.19 / 10.83 / 3.87 / +6.96
4+50	-4.27	6.64 / 4.27 / 10.91 / 5.05 / +5.86
5+00	-4.35	6.64 / 4.35 / 10.99 / 5.00 / +5.96
5+50	-4.43	6.64 / 4.43 / 11.07 / 5.27 / +5.80
6+00	-4.51	6.64 / 4.51 / 11.15 / 5.70 / +5.45
6+54.1 = C.B. Web of 4th St.	-4.60	6.13 / 4.60 / 10.73 / 5.86 / +4.87
7+00	-4.74	6.13 / 4.74 / 10.87 / 5.53 / +5.34
7+50	-4.89	6.13 / 4.89 / 11.02 / 4.97 / +6.05
8+00	-5.04	6.13 / 5.04 / 11.17 / 4.32 / +6.85
8+49.0 = C.B. on "H" Line = P.I.	-5.17	6.13 / 5.17 / 11.30 / 4.81 / +6.49

1.39 / 4.33 / 5.72 — S.W. K+4th St.

1.39 / 5.41 / 6.80 / 6.08 / 0.72 / 5.92 / 6.64

6.64 / 3.75 / 10.39 / 5.72 / +4.67

6.64 / 3.83 / 10.47 / 5.07 / +5.40

6.64 / 3.91 / 10.55 / 4.41 / +6.14

6.64 / 4 / 10.64 / 3.96 / +6.68

6.64 / 4.08 / 10.72 / 4.49 / +6.23

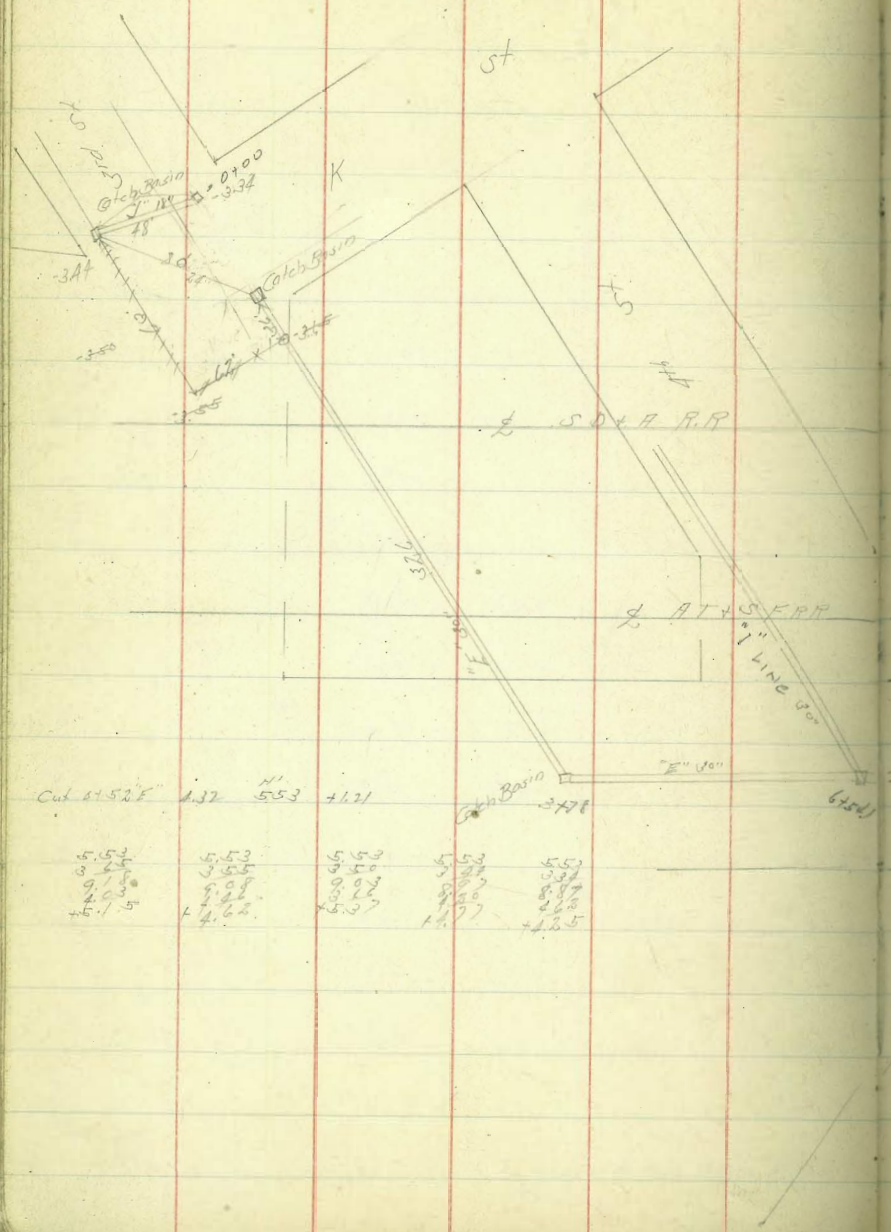
6.64 / 4.15 / 10.79 / 4.64 / +6.15

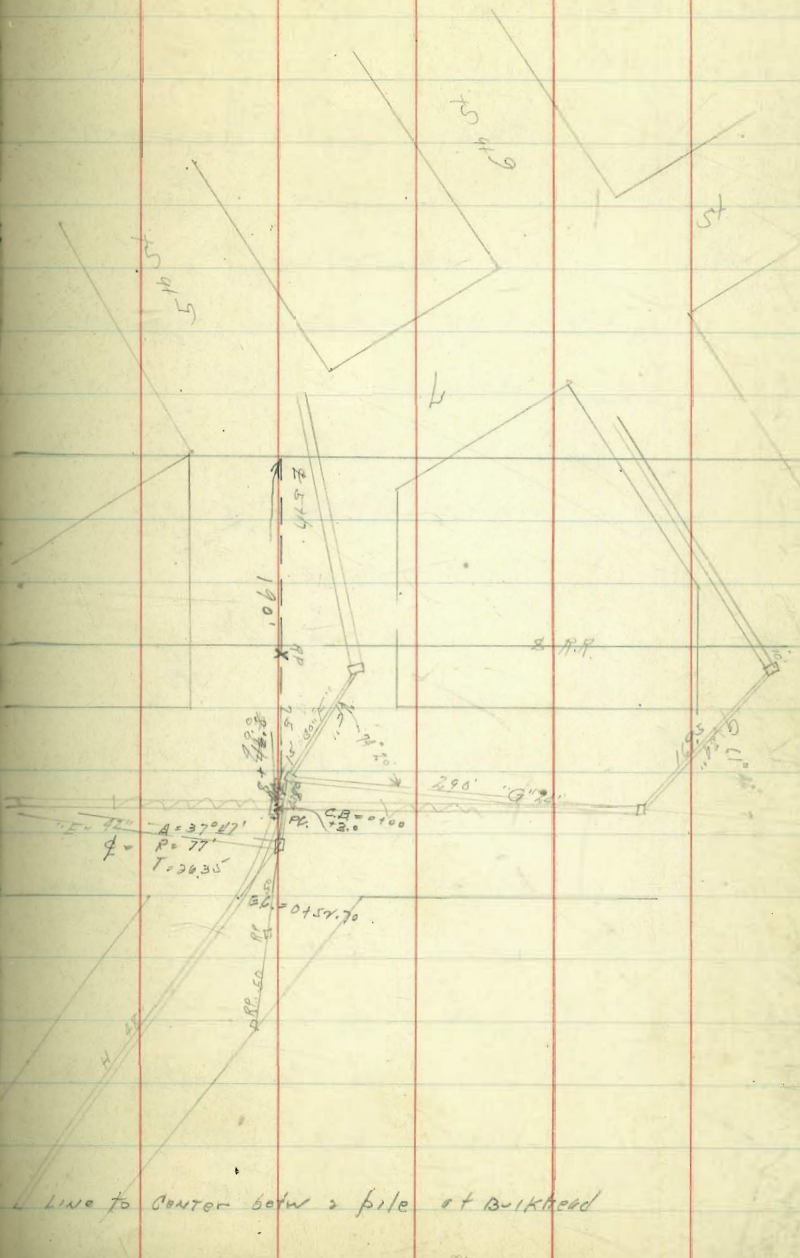
6.64 π / 5.70 / 0.94 / 5.19 / 6.13 π

+0.60 / 6.35 / 6.95 — 0+50 / 7+00

6.95 / 5.17 / 12.12 / 6.67 / +6.05

Tide Lands Drainage





"H" Line = 48" culvert 15' offset

8+46.8 = C.B. on "H" = 0+00	-5.17	6.13 5.17 11.30 4.81 +6.49	11.30 4.51 +6.49
0+03 = P.C.	-5.17		
+19.9	-5.30	6.13 5.30 11.43 3.99 +7.40	
+36.8	-5.44	6.13 5.44 11.57 4.35 +7.10	
0+53.7 = EC	-5.25	6.13 5.25 11.38 4.64 +6.74	
1	-5.33	6.13 5.33 11.46 3.96 +7.50	
+50	-5.41	6.13 5.41 11.54 3.92 +7.62	
2	-5.49	6.13 5.49 11.62 4.27 +6.85	
+50	-5.57	6.13 5.57 11.70 4.49 +7.21	
3	-5.65	11.78 4.27 +7.51	
+50	-5.73	11.86 4.83 +7.03	
4	-5.81	11.94 4.91 +7.0	
+50	-5.89	12.02 5.27 +6.80	
5	-5.97	12.10 4.83 +7.25	6.63 4.85 1.78 5.43 7.21 A
+50	-6.05	12.18 4.85 +7.33	
6	-6.13	7.21 6.13 13.34 5.36 +7.95	
+50	-6.21	7.21 6.21 13.42 4.92 +8.50	
7	-6.29	13.50 5.00 +8.50	
+50	-6.37	13.58 4.86 +8.72	
8	-6.45	13.66 5.16 +8.50	

CP = 16.9
Dist = 6.17 +50

				-6.67
8+50	-6.53	13.71 5.00 +8.72		
9	-6.61	13.57 5.95 +7.87		
9+37 = Bulkhead	-6.67	7.21 6.67 13.88 5.88 +8.00		13.88 5.90 +7.98 (on Bikhd.

"F" Line 30" pipe

8+46.8 = C.B. "H" line = 0+00	-5.17	+6.49	6.13 4.81 1.32 5.77 7.09 A
50' NE	-4.78	7.09 4.78 11.87 6.33 +5.54	
100' "	-4.39	7.09 4.39 11.48 6.85 +4.63	
150' = C.B. Ex. 30" pipe 5th ST.	-4.0	7.09 4 11.09 5.25 +5.84	

"G" Line 24" Pipe

0+0 = CB = 15' NE Origin of CB "H" 0+0	-6.05	6.95 5.00 11.90 +6.61	8.826 5.207 Bitchem Price 6.85 H.
50' E	-4.85	6.95 4.85 11.80 +6.95	
100' E	-4.65	6.95 4.65 11.60 6.57 +6.03	
150' E	-4.45		11.40 6.17 +5.23
200' E	-4.26	11.21 5.26 +5.95	
250' E	-4.06		11.06 +6.93
290' E = CB A 6°42'	-3.90	10.85 5.25 +5.60	
340	-3.90		10.65 5.25 +5.15
390	-3.50	10.45 5.25 +4.15	
4+69.5 = CB.	-3.23		6.95 3.18 5.77

Paving Alley Block 39 C.L. Cobb's Sub

20' wide

		N	S	
0+0	= El 26th St	161.60	161.30	1535.56 Blackburn 18.01 166.59 .079 1658.0 1255 1838 16.37 1655.8 7.8 1678 8.15 1669 2.96 1663.4
40' E		161.40	161.24	
60' E		165.64	165.56	
80' E		168.78	168.76	
100' E		170.77	170.84	
120' E		171.70	171.80	
160' E	?	172.27	172.60	
180' E		172.46	172.59	
200' E		172.19	172.56	
220' E		171.51	171.90	
240' E		170.43	170.82	
290' E		167.21	167.62	
315' E		165.70	166.10	
340' E		164.37	164.77	
365' E		163.21	163.61	
390' E		162.25	162.65	
415' E		160.80	161.20	
440' E		158.18	158.58	
465' E		154.40	154.80	

N	510	1659 61.40 5.39 0.59 +4.40	7838 65.64 12.79 10.52 +2.20	7838 68.78 9.60 7.82 +1.38	7838 70.77 7.61 7.83 -0.22	7838 71.70 6.68 7.02 -0.35	7838 72.27 6.11 5.62 +0.49 +0.61	7838 72.41 5.97 4.72 +1.26
S	5130	1659 61.24 5.35 2.04 +3.31	7838 65.56 12.82 11.26 +1.56	7838 68.76 9.62 7.58 +2.07 +0.20	7838 70.84 7.54 8.25 -0.71	71.80 6.58 7.92 -1.34	7838 72.60 5.78 3.78 +2.00	7838 72.59 5.79 4.97 +0.82
N		7838 72.19 6.19 4.82 +1.36	7838 71.51 6.87 4.15 +2.72	7838 70.43 7.95 6.38 +1.57	7838 68.79 9.59 11.55 -0.38	6879 64.37 14.42 8.00 6.42	6879 63.71 15.08 5.58 9.50 0.0	6879 62.25 16.54 8.31 -1.77
S		7838 72.51 5.87 4.37 +1.04	7838 71.90 6.48 5.01 +1.47	7838 70.82 7.56 8.35 +3.78	7838 67.62 10.76 10.45 +0.31	66.10 2.68 3.13 -0.47	64.77 4.02 4.24 -0.22	63.61 5.18 5.31 -0.13	62.65 6.14 7.57 -0.43
N		6879 60.80 7.99 8.21 -0.22	6354 57.18 .538 6.43 -1.07	6354 54.46 9.14 7.81 +1.33				
S		6430 7.59 7.51 0.0	5358 4.96 2.96 +2.00	5480 8.74 7.84 +0.90				

Alley Block 39 C.L. Corrs Sub.

		N		S	
490' E		149.47		149.87	163.54 12.84 150.70 0.53 151.23 12.73 138.50 0.45 138.95 7.69 131.26 11.92 143.18 1.03 142.15 SE 142.7
530' E		140.50		140.90	
570' E		131.53		131.93	
600' E	= W L 27th St.	124.80		125.20	126.59 H.E. Marshall 27

N	63.54 49.47 14.07 13.43 +0.64	51.23 40.50 10.73 7.42 +3.31	38.95 31.53 7.42 5.61 +1.81 1.61	24.80
S	49.87 13.67 11.73 +1.94	40.90 10.33 7.33 +3.00	31.93 7.02 2.72 +4.30	38.95 25.20 13.75 11.75 +2.00

Sewer Construction Woolman Ave.
Between 32nd And 33rd St.

7-2-26

0+0	= Dead End	49.00	60.53 49 11.93 6.60 +5.33	36.23 5th Toward Woolman 0.53 36.76 +3 [illegible] 0.37 36.39 13.17 49.56 0.86 48.70 12.23 60.93 0.56 60.37 3rd 32nd +Woolman
0+18		47.64	13.29 8.12 +5.17	
0+68		43.87	49.56 43.87 5.69 0.87 +4.82	
1+18		40.10	9.46 5.00 +4.46	
1+68		36.33	13.23 9.05 +4.18	
2+18		32.56	36.76 4.20 0.37 +3.83	
2+78		28.04	8.72 3.59 +5.13	
3+18	= M.H. No 1 & Bancroft +Woolman	25.00	11.76 4.53 +7.23	
3+68		20.00	16.76 6.51 +10.25	
4+18		15.00	21.76 8.42 +13.34	
4+68		10.00	26.76 10.71 +16.05	
5+21.6	= Existing M.H.	4.50		
40	N.M.H. No 1	36.76 26.00 10.76 3.45 +7.34		

Sewer Construction Woodmansie
Between 56th + 38th St.

40' N of M.H. No 2		54.00	58.09 / 5.84 / 6.78 / +4.91	63.47 / 11.29 / 75.39 / 7.30 / 72.09 / 55 Hole / +3.21
0+0 = M.H. No 2 = 94.4' E of 36th St.		51.00	58.09 / 5.71 / 8.09 / 5.52 / +6.11	80.65 / 12.71 / 67.94 / 0.07
50' E		47.80	58.09 / 7.20 / 11.39 / +6.90	68.65 / 12.21 / 55.20 / 5.20 / 59.09
100' E		44.60	58.09 / 22.26 / 14.49 / 6.51 / +7.68	
156' E		41.40	58.09 / 41.40 / 17.69 / 6.28 / +8.41	
200' E		38.20	58.09 / 38.20 / 20.89 / 7.35 / +9.74	
248.5' E = Existing M.H.		35.00	58.09 / 35.00 / 23.09 / 7.24 / +12.85	
50' E		38.35	58.09 / 38.35 / 20.74 / 7.24 / +10.51	
100' E		41.70	58.09 / 41.70 / 17.39 / 7.52 / +9.87	
150' E		45.05	58.09 / 45.05 / 14.09 / 4.71 / +9.38	
200' E	0.67	48.40	68.65 / 23.25 / 20.25 / 7.55 / +8.75	
250' E		51.75	68.65 / 51.75 / 16.90 / 8.32 / +8.13	
283.5' E = M.H. No 3 = 8.37' to St		54.00	68.65 / 54.00 / 14.65 / 8.13 / +6.52	
50' E		55.50	68.65 / 55.50 / 13.15 / 7.67 / +6.15	
100' E		57.18	68.65 / 57.18 / 11.47 / 5.65 / +6.05	
150' E		58.77	68.65 / 58.77 / 9.88 / 6.86 / +6.02	
200' E	0.42	60.36	68.65 / 60.36 / 8.29 / 2.27 / +6.02	
250' E		61.95	80.65 / 71.95 / 18.70 / 15.00 / +6.0	
300' E		63.54	80.65 / 63.54 / 17.11 / 11.15 / +5.96	

329.9 = M.H. No 4		64.50	80.65 / 26.07 / 12.58 / 8.28 / +5.98	80.65 / 64.50 / 16.15 / 10.17 / +5.98
50' E		66.07		80.65 / 66.07 / 14.58 / 9.01 / +5.99
100' E		67.65	80.65 / 67.65 / 13.00 / 7.01 / +5.99	
150' E		69.22	80.65 / 69.22 / 11.43 / 5.47 / +6.02	
200' E		70.80		80.65 / 70.80 / 9.85 / 8.85 / +6.0
250' E		72.37	80.65 / 72.37 / 8.28 / 4.28 / +6.03	
278.1' E D.E		73.00	80.65 / 73.00 / 7.65 / 1.60 / +6.05	

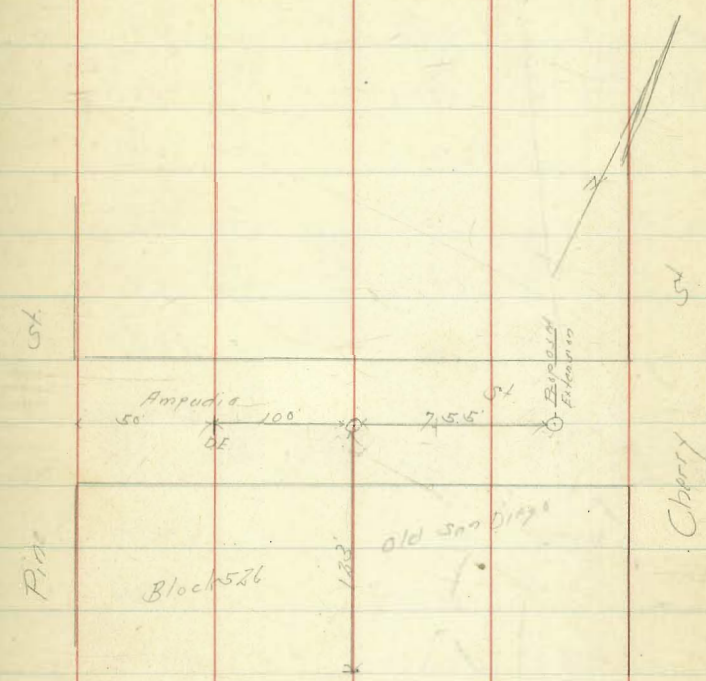
Sewer Construction Ampudia St.
Between Pine & Cherry Across Block 526 Old San Diego.

				BM NW Ampudia & Pine	263.92 2.97 266.89 0.47
0+0	= D.E. 50' N N.Z. Pine	255.00	11.89 5.73 +6.16		266.42 4.88 271.30
50' N		252.43		14.46 8.73 +5.73	
100' N	= M.H.	249.87	17.02 11.62 +5.40		
50' N		247.31		19.58 14.51 +5.07	
75.5' N	= M.H.	246.00	20.89 16.12 +4.77		

Across Block 526

0+0		249.87			
50' E		255.62	11.27 4.67 +6.60		
100' E		261.37		5.52 0.47 +5.05	
123' E	= D.E.	264.00	7.36 3.43 +3.87		

7-21-26
Sisson
Bliss
Price



Posing Alley Block 165 Univ. Heights
Between Kansas + 30th St. From Lincoln to Polk

20' Wide
Strip Tack
Lincoln 36.03
6.25
367.28
3.75
363.53
6.44
369.83
3.44
365.79
5.24
371.00

		W	E
HL Lincoln		362.10	362.00
40' N		62.95	62.90
80' N	Break	363.80	363.80
130' N		64.18	64.16
180' N		64.56	64.51
230' N		64.94	64.87
280' N		65.32	65.23
330' N		65.70	65.58
380' N		66.08	65.94
430' N		66.46	66.30
480' N		66.84	66.66
500' N	Break	367.00	366.80
550' N		66.65	66.40
600' N = SL Polk		366.30	366.00

00712

00714

7 23.26
5 5.50
31.55
Price

74

E	6728 362.00 5.28	6290 4.35 +0.67	6380 3.48 4.41 +1.00	6416 5.64 5.92 +0.32	6451 5.29 5.16 +0.18	6487 4.93 4.92 +0.51	6523 4.57 4.02 +0.55
W	6728 362.10 5.18	6295 4.33 5.24 +1.09	6390 4.00 6.08 -0.08	6418 5.62 5.52 +0.06	6456 5.24 5.05 +0.19	6494 4.86 4.58 +0.28	6537 4.43 4.53 -0.05
E	7100 65.58 5.42 5.28 +0.14	6594 5.06 5.28 -0.22	6630 4.70 4.92 +0.32	6661 4.34 4.84 -0.50	6680 4.20 4.47 -0.27	6640 4.60 4.87 -0.27	6600 5.00
W	65.70 5.30 5.02 +0.24	6608 4.92 4.14 +0.78	6641 4.59 4.35 -0.24	6684 4.16 4.72 -0.56	6700 1.00 3.00 -2.00	6665 4.35 4.02 +0.33	6630 4.70 4.16 +0.54

Paving Alley Block 180 Chiv. Hgh Ls.
Between Lincoln + Roscoe From Vermont to Richmond

		N	S	
				S/W Corner Richmond 298.48
0+0 = N End Paving Richmond + Lincoln		291.65 294.00	291.65 295.60	
50' E	Break @	94.13	93.72	
100' E		94.26	93.86	
150' E		94.39	93.99	
200' E		94.52	94.12	
250' E		94.65	94.25	
300' E		94.78	94.38	
350' E		94.91	94.51	
380' E	Break	295.00	294.60	
430' E		95.78	95.38	
480' E		96.56	96.16	
530' E		97.34	96.94	
580' E		98.13	97.73	
630' E		98.91	98.51	
660.7 N.W. Cor. Richmond + Lincoln		299.40	299.00	

N	96.15	96.15	95.91	95.98	97.84	97.84	97.84
	94.00	94.13	94.26	94.39	94.52	94.65	94.78
	2.15	2.02	1.78	1.59	3.32	3.19	3.06
	1.78	2.11	3.72	4.35	2.32	2.19	4.06
	-2.63	-0.14	+1.00	+0.24	+1.00	+1.00	+1.00
	91.65 5.55 5.55 1.00						
S	93.69	93.73	93.86	93.99	94.12	94.25	94.38
	2.55	5.25	5.12	3.85	3.72	3.87	3.74
	7.46	6.23	5.32	5.33	5.33	10.54	11.84
	-5.27	-0.98	-0.20	-1.50	-1.62	-6.67	-8.10
97.20 91.65 5.55 10.88 -5.33							
N	94.91	95.00	95.12 95.78	96.56	97.34	98.13	300.50 299.91
	3.21	3.12	2.34	4.70	3.92	6.17	5.87
	4.25	5.54	8.10	3.70	5.20	5.20	4.86
	-1.04	-0.42	+0.24	+1.00	+0.72	+0.97	+1.03
S	94.51	94.60	95.38	96.16	96.94	97.73	98.51
	3.11	3.52	5.88	5.48	4.32	7.07	6.78
	11.35	9.34	5.94	1.36	5.26	7.19	8.35
	-7.94	-5.82	0.0		-0.94	-0.12	-0.06

Paving Alley Block 77 Univ Hghts
Between Park Blvd & Georgia From Mission Ave to Monroe Ave
20' Wide

		W	E	
S.L. Monroe		46.45 ~~346.30~~	46.65 ~~346.50~~	S.E. Mission & Georgia 344.20 6.59 350.79 4.62 346.17 4.78 351.95 4.28 346.67 4.38 351.05
50's		46.29 ~~46.05~~	46.49 ~~46.25~~	
100's		46.14 ~~45.80~~	46.34 ~~46.00~~	
150's		45.98 ~~45.55~~	46.18 ~~45.75~~	
200's	.00505 .00312	45.83 ~~45.30~~	46.03 ~~45.50~~	
250's		45.67 ~~45.04~~	45.87 ~~45.26~~	
300's		45.51 ~~44.79~~	45.71 ~~45.01~~	
350's		45.36 ~~44.54~~	45.56 ~~44.76~~	
400's		345.20 ~~44.29~~	345.40 ~~44.52~~	
428.4's	= N.L. Mission Ave		344.39	
441.6's	= N.L. "	344.07		

E	51.05 346.50 4.55 4.35 +0.20 +0.05	46.25 4.70 2.20 +2.00 +1.76	46.00 4.95 2.95 +2.00 +1.66	45.75 5.20 4.63 +0.57 +0.14	45.50 5.45 4.45 +1.00 +0.47	50.95 45.26 5.69 4.65 +1.04 +0.43
W	346.30 ~~4.75~~ Raise .15	51.05 46.05 5.00 5.21 -0.21 .74 -0.45	45.80 5.15 5.06 +0.09 .34 -0.25	45.55 5.40 5.17 +0.23 .43 -0.20	45.30 5.65 5.25 +0.40 .53 -0.13	45.04 5.75 4.80 +0.95 .63 +0.32
E	45.01 5.78 4.94 +0.84 +0.14	44.76 6.02 4.56 +1.46 +0.66	44.52 6.27 4.98 +1.29 +0.41	50.79 44.39 6.40		
W	44.79 6.00 5.38 +0.62 .72 -0.10	44.54 6.25 4.67 +1.58 .82 +0.76	44.29 6.50 4.98 +1.51 .91 +0.60	44.07 6.72		

Paving Alley Block 46 Univ. Hgts.
Between Park Blvd. & Georgia From Monroe to Madison

		W		E	
N L Monroe		346.90		347.10	
50'N		47.17		47.37	
100'N	.0055	47.45		47.65	
150'N		47.72		47.92	
200'N	⊙ Break	348.00		⊙ 348.20	
250'N		48.53		48.73	
300'N		49.07		49.27	
350'N	.0107	49.61		49.81	
400'N		50.15		50.35	
450'N		50.69		50.89	
460'N	⊙ Break	350.80		⊙ 351.00	
520'N		51.01		51.21	
560'N	.0035	51.15		51.35	
600'N = S L Madison		351.30		351.50	

351.05 H.I.
3.63
347.42
5.77
351.19
3.43
347.76
4.88
351.38
5.57
351.20
5.21
350.99
4.88
355.83
4.57
→ 351.05
S L Madison + Georgia 351.02

E	347.10	47.37	47.65	47.92	48.20	48.73	49.27
	3.95	3.68	3.40	5.44	5.16	4.63	3.89
	3.85	2.68	3.40	4.24	3.96	3.97	4.29
	+0.10	+1.00	0.00	+1.00	+1.00	+0.45	+1.00
W	346.90	47.17	53.16 / 47.45	47.72	48.00	48.53	49.07
	4.15	3.88	5.71	5.44	5.16	4.63	4.09
	4.08	4.38	4.51	5.76	4.98	5.63	3.98
	+0.07	+1.00	+1.00	-0.32	+0.18	+1.00	+1.00
E	49.81	50.35	50.89	51.00	51.17 / 56.20	51.35	51.50
	3.35	2.81	4.64	4.53	5.03	4.85	4.70
	3.35	1.81	4.44	4.07	4.76	4.11	4.70
	+1.00	+1.00	+0.24	+0.46	+0.27	+0.44	
W	49.61	50.15	50.69	50.80	50.97	51.15	51.30
	3.55	3.01	4.84	4.73	5.23	5.05	4.90
	2.55	2.01	3.84	3.73	4.92	4.05	4.90
	+1.00	+1.00	+1.00	+1.00	+0.31	+1.00	0.0

Paving Alley Block 24 Univ. Hgbts
Between Park Blvd. + Georgia From Madison to Adams

		W	E
NL Madison		351.60	351.80
40'N	⊙ Break	53.30	53.30
90'N		53.55	53.55
140'N		53.80	53.80
190'N	0.0495	54.05	54.05
240'N		54.30	54.30
290'N		54.54	54.54
302.5'N = SL Spaulding		354.60	54.60
NL Spaulding Place		54.70	54.70
50'N	0.0417	54.91	54.91
100'N		55.12	55.12
143.7'N = SL Adams		355.30	55.30

351.02
6.69
357.69
2.81
354.88
4.58
359.46

SE Madison + Georgia

E	57.69 351.60 6.09 5.69 +0.45	53.30 4.39 2.39 +2.00	53.55 4.14 3.14 +1.00	53.80 3.89 2.89 +1.00	54.05 3.64 2.64 +1.00	59.46 54.30 5.16 5.00 +0.16
W	51.80 5.89 5.89 0.0	53.30 4.39 4.73 -0.34	53.55 4.14 3.90 +0.24	53.80 3.89 3.86 +0.03	54.05 3.64 3.50 +0.14	57.69 54.30 3.39 2.39 +1.00
E	54.54 4.91 4.80 +0.11	54.60 4.86 4.80 +	54.70 4.76 4.72	54.91 4.55 4.72 -0.17	55.12 4.34 4.51 -0.17	55.30 4.16 4.20
W	54.54 4.91 4.60 +0.31	54.60 4.86 4.78	54.70 4.76 4.70	54.91 4.55 4.61 -0.06	55.12 4.34 4.19 +0.15	55.30 4.16 4.10

Paving Alley Block 248 Univ. Hghts
Between Park Blvd. + Indiana
From Cypress to Park Blvd

		W	E
N L Cypress		300.11	300.23
20'N	⊙	302.60	302.81
40'N	⊙	304.50	304.70
60'N	⊙ Break	305.01	305.21
110'N		304.53	304.74
160'N		304.05	304.27
210'N	.00966	303.57	.009256 303.80
260'N		303.08	303.34
310'N		302.60	302.87
360'N		302.12	302.40
410'N		301.64	301.94
454'N = E L Park Blvd		301.22	301.53
475'N = " " " "			301.33

SE. Top Hyd. Cypress + Park Blvd.

300.84
9.23
310.07
5.40
304.67
3.79
308.46
5.14
303.32
4.38
307.70
5.00
302.70
4.47
307.17

	W							
W	300.11	2.60	4.50	5.01	4.53	4.05	3.57	3.08
	9.96	7.47	5.57	5.06	5.54	4.41	4.89	4.62
	9.72	4.87	4.47	4.76	5.41	3.55	4.74	4.59
	+0.24	+2.60	+1.10	+0.30	+0.13	+0.86	+0.15	+0.03
E	300.23	2.81	4.70	5.21	4.74	4.27	3.80	3.34
	9.84	7.26	5.37	4.86	5.33	4.19	4.66	4.36
	9.70	5.26	4.37	5.31	4.35	3.19	5.02	4.32
	+0.14	+2.00	+1.00	-0.45	+1.00	+1.00	-0.36	+0.04
W	302.60	2.12	1.64	1.22				
	5.10	5.05	5.53	5.95				
	4.10	4.05	6.45					
	+1.00	+1.00	-0.92					
E	9.17	2.40	1.94	1.53	1.33			
	2.87	4.77	5.23	5.64	5.84			
	4.30	5.13	6.44	5.82				
	4.48	-0.36	-1.21	+0.18				
	-0.18							

Survey E 45 Lot 27 Block 40 Normal Hghts. E.15.26
Sisson
Bliss
Northern

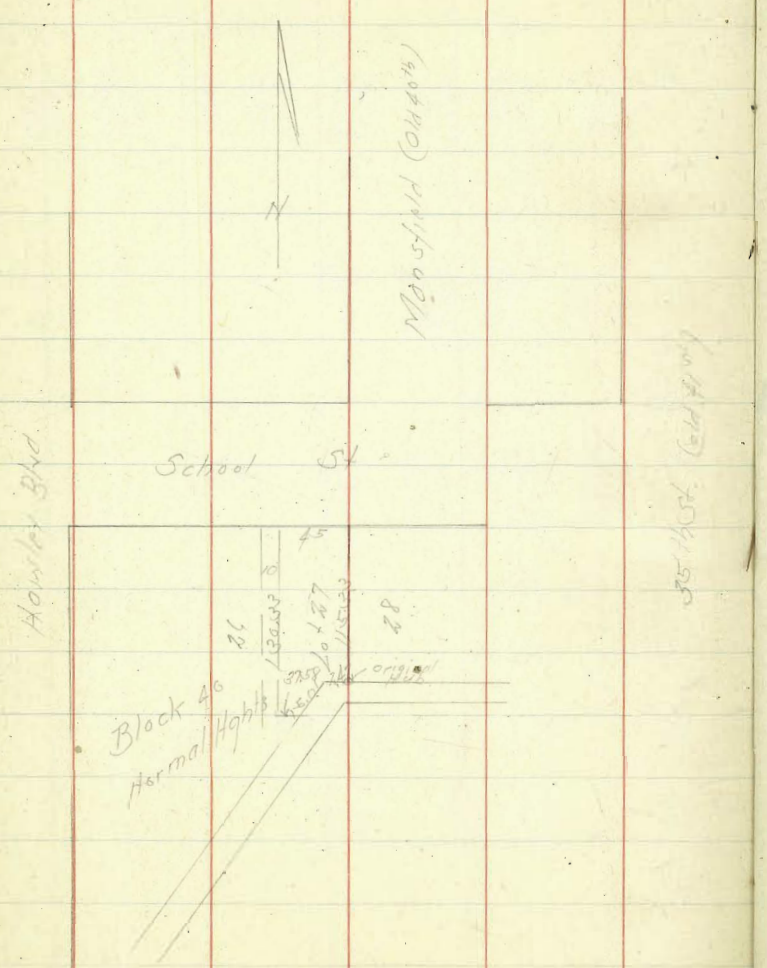


Table IX.—Calculation of Earthwork.

Width	HEIGHT 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	.02	.04	.06	.07	.09	.11	.13	.15	.17	.18	.20	.22	.24	.26	.28
2	.04	.07	.11	.15	.18	.22	.26	.30	.33	.37	.41	.44	.48	.52	.56
3	.06	.11	.17	.22	.28	.33	.39	.44	.50	.56	.61	.67	.72	.78	.83
4	.07	.15	.22	.30	.37	.44	.52	.59	.67	.74	.81	.89	.96	1.04	1.11
5	.09	.19	.28	.37	.46	.56	.65	.74	.83	.93	1.02	1.11	1.20	1.30	1.39
6	.11	.22	.33	.44	.56	.67	.78	.89	1.00	1.11	1.22	1.33	1.44	1.55	1.67
7	.13	.26	.39	.52	.65	.78	.91	1.04	1.16	1.30	1.42	1.55	1.68	1.81	1.94
8	.15	.30	.44	.59	.74	.89	1.04	1.19	1.33	1.48	1.63	1.78	1.92	2.08	2.22
9	.17	.33	.50	.67	.83	1.00	1.17	1.33	1.50	1.67	1.83	2.00	2.17	2.33	2.50
10	.18	.37	.56	.74	.93	1.11	1.30	1.48	1.67	1.85	2.04	2.22	2.41	2.59	2.78
11	.20	.41	.61	.82	1.02	1.22	1.43	1.63	1.83	2.04	2.24	2.44	2.65	2.85	3.06
12	.22	.44	.67	.89	1.11	1.33	1.56	1.78	2.00	2.22	2.44	2.67	2.89	3.11	3.33
13	.24	.48	.72	.96	1.20	1.44	1.68	1.92	2.16	2.41	2.65	2.89	3.13	3.37	3.61
14	.26	.52	.78	1.04	1.30	1.55	1.81	2.08	2.33	2.59	2.85	3.11	3.37	3.63	3.89
15	.28	.56	.83	1.11	1.39	1.67	1.94	2.22	2.50	2.78	3.06	3.33	3.61	3.89	4.17
16	.30	.59	.89	1.18	1.48	1.78	2.07	2.37	2.67	2.96	3.26	3.56	3.85	4.15	4.44
17	.31	.63	.94	1.26	1.57	1.89	2.20	2.52	2.83	3.15	3.46	3.78	4.09	4.41	4.72
18	.33	.67	1.00	1.33	1.67	2.00	2.33	2.67	3.00	3.33	3.67	4.00	4.33	4.67	5.00
19	.35	.70	1.06	1.41	1.76	2.11	2.46	2.82	3.17	3.52	3.87	4.22	4.57	4.92	5.28
20	.37	.74	1.11	1.48	1.85	2.22	2.59	2.96	3.33	3.70	4.07	4.44	4.81	5.18	5.56
21	.39	.78	1.17	1.55	1.94	2.33	2.72	3.11	3.50	3.89	4.28	4.67	5.06	5.44	5.83
22	.41	.81	1.22	1.63	2.04	2.44	2.85	3.26	3.67	4.07	4.48	4.89	5.30	5.70	6.11
23	.43	.85	1.28	1.70	2.13	2.56	2.98	3.41	3.83	4.26	4.68	5.11	5.54	5.96	6.39
24	.44	.89	1.33	1.78	2.22	2.67	3.11	3.56	4.00	4.44	4.89	5.33	5.78	6.22	6.67
25	.46	.92	1.39	1.85	2.31	2.78	3.24	3.70	4.17	4.63	5.09	5.56	6.02	6.48	6.94
26	.48	.96	1.44	1.92	2.41	2.89	3.37	3.85	4.33	4.82	5.30	5.78	6.26	6.74	7.24
27	.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
28	.52	1.04	1.55	2.07	2.59	3.11	3.63	4.15	4.67	5.18	5.70	6.22	6.74	7.26	7.78
29	.54	1.07	1.61	2.15	2.68	3.22	3.76	4.30	4.83	5.37	5.91	6.44	6.98	7.52	8.06
30	.56	1.11	1.67	2.22	2.78	3.33	3.89	4.44	5.00	5.55	6.11	6.67	7.22	7.78	8.33
31	.57	1.15	1.72	2.30	2.87	3.44	4.02	4.59	5.17	5.74	6.32	6.89	7.46	8.04	8.61
32	.59	1.18	1.78	2.37	2.96	3.56	4.15	4.74	5.33	5.92	6.52	7.11	7.70	8.30	8.89
33	.61	1.22	1.83	2.44	3.05	3.67	4.28	4.89	5.50	6.11	6.72	7.33	7.94	8.55	9.17
34	.63	1.26	1.89	2.52	3.15	3.78	4.40	5.04	5.67	6.29	6.93	7.56	8.18	8.81	9.44
35	.65	1.30	1.94	2.59	3.24	3.89	4.53	5.18	5.83	6.48	7.13	7.78	8.42	9.08	9.72
36	.67	1.33	2.00	2.67	3.33	4.00	4.66	5.33	6.00	6.67	7.33	8.00	8.67	9.33	10.00
37	.68	1.37	2.06	2.74	3.42	4.11	4.79	5.48	6.17	6.85	7.54	8.22	8.91	9.59	10.28
38	.70	1.41	2.11	2.82	3.52	4.22	4.92	5.63	6.33	7.03	7.74	8.44	9.15	9.85	10.56
39	.72	1.44	2.17	2.89	3.61	4.33	5.05	5.78	6.50	7.22	7.95	8.67	9.39	10.11	10.83
40	.74	1.48	2.22	2.96	3.70	4.44	5.18	5.92	6.67	7.41	8.15	8.89	9.63	10.37	11.11

Table gives cu. yds. in 1 ft. of a triangle of given width and height. Corrections for tenths of width are one tenth the values found under each height considering the widths from 1 to 9 as tenths and similarly the corrections for tenths of height are one tenth the figures opposite width considering the heights from 1 to 9 as tenths. Thus if w =16.2 and h =5.3, cu. yds. =1.48+.028+.089 =1.597 cu. yds. or practically 160 cu. yds. per 100 ft. If w exceeds 40 ft., use one half and multiply result by 2, if both w and h are large use one half of each and multiply result by 4. Any cross-section may be divided into triangles by the following rule. To the triangle of the sum of the outside cuts (or fills) =h, and ½ the roadbed =w, add the triangles formed by taking the distance out to each break in turn (=w's) by the difference between the cuts (or fills) on each side of it (=h's) always subtracting the outer from the inner.

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	25.2	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.

Made in Germany.