

Grade Book

134

POSTS

FIELD BOOK

No. 385

G-134

G-134

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- No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.
- No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.
- No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

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THE FREDERICK POST CO.
ENGINEERING and DRAFTING SUPPLIES
IRVING PARK STATION
CHICAGO, ILL.
MICROFILMED

APR 8 1965

76.26

96593
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 1931860
 579558
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48-13-40
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19 03-40 H
 14 18-32 H
 54-45

173263
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 22-13

9903
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19-03-40
 14-18-37
 83-22-17

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189-59-60
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2246
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2246
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skine w

Indexed
 (R)

+4- Loring Allison to Cass
 S. line S. cl N. cl N. line

W. line Allison		71.00	72.50	
00-8 line Allison	72.3	72.00	73.50	73.8
+50	73.5			74.8
+100	74.7			75.8
+150	75.9			76.8
+200	77.1			77.8
+250	78.3			78.9
+300	79.5			79.9
+350	80.7			80.9
+400	81.9			81.9
+450	83.1			83.0
5400-W line Bayard on S.	84.3	84.00		84.0
5400-8 line Bayard on S.	85.3	85.00		85.6
+40.5	85.6			86.4
+81-W line Bayard on N	86.0	87.00	87.3	87.3
00-8 line Bayard on N	86.4	88.00	88.0	88.0
8-4732		88.50	88.5	88.5
00-1 line	86.8	87.50	87.8	87.8
2	87.2		88.2	88.2
3	87.6		88.7	88.7
4	88.0		89.1	89.1
5	88.4		89.6	89.6
6	88.8		90.0	90.0
7	89.3		90.5	90.5
8-W line Cass	89.8	89.50	91.00	91.3
			91.5	91.8

89.02 B.M. Mink N.E. Bayard + Loring

95.92
 5.84
 90.38 SPR SW. Cass + Loring

2

N.	73.8	74.8	75.8	76.8	77.8	78.9	79.9	80.9
	6.4	5.6	4.6	3.6	10.9	9.8	8.8	7.8
	5.3	4.2	3.0	1.7	9.3	8.4	7.6	6.9
	+1.3	+1.4	+1.6	+1.9	+1.6	+1.4	+1.2	+0.9
S	72.3	73.5	74.7	75.9	77.1	78.3	79.5	80.7
	8.1	6.9	5.7	4.5	11.6	10.4	9.2	8.0
	7.8	7.4	6.2	5.0	11.4	10.8	10.1	8.8
	+0.3	-0.5	-0.5	-0.5	+0.2	-0.4	-0.9	-0.8
N	81.9	83.0	84.0	85.1	86.4	87.3	88.5	89.0
	6.8	5.7	4.7	10.3	9.5	8.6	7.7	7.7
	5.8	5.0	3.8	8.8	7.6	7.3	7.3	7.2
	+1.0	+0.7	+0.9	+1.5	+1.9	+1.3	+0.6	-0.5
89.02 B.M. Mink	81.9	83.1	84.3	85.3	86.6	87.6	88.6	89.6
	6.8	5.6	4.4	10.6	10.3	9.9	9.9	9.9
	7.8	6.1	5.0	11.1	10.6	10.3	10.3	10.3
	-1.0	-0.5	-0.6	-0.5	-0.3	-0.4	-0.4	-0.4
N	87.8	88.2	88.7	89.1	89.6	90.0	90.5	90.9
	8.1	7.7	7.2	6.8	6.3	5.9	5.4	5.0
	7.9	7.2	6.4	6.4	6.8	6.2	5.6	4.8
	+0.2	+0.5	+0.8	+0.4	-0.5	-0.3	-0.2	+0.2
S	86.4	86.4	87.2	87.6	88.0	88.4	88.8	89.3
	9.5	9.1	8.7	8.3	7.9	7.5	7.1	6.6
	9.7	7.3	9.1	9.2	9.3	8.9	8.3	7.7
	-0.2	-0.2	-0.4	-0.9	-1.4	-1.4	-1.2	-1.1

89.02 B.M. Mink
 6.92
 55.92
 82.61
 87.71
 0.97
 87.64
 11.40
 77.24
 3.13
 80.71

Bayard on S

Bayard on N

82.8
 8.1
 3.6
 -0.5

Wilbur St Grades

W. Line	Alison	65.15	65.00	66.00	N. Line	66.15	67.05	67.25	68.05	68.75	70.15	71.55	72.15	73.35
000	E. Line Allison	65.15	65.00	66.00	66.15	67.05	67.25	68.05	68.75	70.15	71.55	72.15	73.35	
+50		66.05			67.05	67.25	68.05	68.75	70.15	71.55	72.15	73.35		
+100		66.95			67.95	68.15	68.95	69.65	71.05	72.45	73.05	74.25		
+50		67.85			68.85	69.05	69.85	70.55	71.95	72.55	73.75			
+200		68.75			69.75	69.95	70.75	71.45	72.85	73.45	74.65			
+50		69.65	0.10		70.65	70.85	71.65	72.35	73.75	74.35	75.55			
+300		70.55			71.55	71.75	72.55	73.25	74.65	75.25	76.45			
+50		71.45			72.45	72.65	73.45	74.15	75.55	76.15	77.35			
+400		72.35			73.35	73.55	74.35	75.05	76.45	77.05	78.25			
+50		73.25			74.25	74.45	75.25	75.95	77.35	77.95	79.15			
5+00	N. Line Bayard	74.15	74.00	75.00	75.15	76.15	76.65	77.15	78.15	79.15	80.15	80.65	81.15	
000	E. Line Bayard	75.15	75.00	76.00	76.15	77.15	77.65	78.15	79.15	80.15	81.15	81.65	82.15	
+50		75.65			76.65	77.15	78.15	79.15	80.15	81.15	82.15	82.65		
+100		76.15			77.15	77.65	78.65	79.65	80.65	81.65	82.65	83.65		
+50		76.65			77.65	78.15	79.15	80.15	81.15	82.15	83.15	84.15		
+200		77.15			78.15	78.65	79.65	80.65	81.65	82.65	83.65	84.65		
+50		77.65			78.65	79.15	80.15	81.15	82.15	83.15	84.15	85.15		
+300		78.15	0.10		79.15	79.65	80.65	81.65	82.65	83.65	84.65	85.65		
+50		78.65			79.65	80.15	81.15	82.15	83.15	84.15	85.15	86.15		
+400		79.15			80.15	80.65	81.65	82.65	83.65	84.65	85.65	86.65		
+50		79.65			80.65	81.15	82.15	83.15	84.15	85.15	86.15	87.15		
5+00	White Cass	80.15	80.00	81.00	81.15	82.15	83.15	84.15	85.15	86.15	87.15	88.15	89.15	

77.24
10.43
87.67
SMT-14 Pk
51 Wilbur
4 Allison

SMT
CASH/LINE

73.25
74.15
75.05
75.95
76.85
77.75
78.65
79.55
80.45
81.35
82.25
83.15
84.05
84.95
85.85
86.75
87.65
88.55
89.45
90.35
91.25
92.15
93.05
93.95
94.85
95.75
96.65
97.55
98.45
99.35
100.25

78.94
79.84
80.74
81.64
SMT-14 Pk
51 Wilbur
4 Allison

Beryl St Gradus

S. line S. cl N. cl N. line

8173 Wilson + Cass

NW Top rack
Beryl + Bayard = 67.03

W. line Allison

8173
73.03
74.41
75.80
77.19
78.58
80.00
81.41
82.82
84.23
85.64
87.05
88.46
89.87
91.28
92.69
94.10
95.51
96.92
98.33
99.74
101.15
102.56
103.97
105.38
106.79
108.20
109.61
111.02
112.43
113.84
115.25
116.66
118.07
119.48
120.89
122.30
123.71
125.12
126.53
127.94
129.35
130.76
132.17
133.58
134.99
136.40
137.81
139.22
140.63
142.04
143.45
144.86
146.27
147.68
149.09
150.50
151.91
153.32
154.73
156.14
157.55
158.96
160.37
161.78
163.19
164.60
166.01
167.42
168.83
170.24
171.65
173.06
174.47
175.88
177.29
178.70
180.11
181.52
182.93
184.34
185.75
187.16
188.57
190.00
191.41
192.82
194.23
195.64
197.05
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199.87
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219.61
221.02
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230.89
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243.58
244.99
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247.81
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250.63
252.04
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254.86
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257.68
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261.91
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264.73
266.14
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268.96
270.37
271.78
273.19
274.60
276.01
277.42
278.83
280.24
281.65
283.06
284.47
285.88
287.29
288.70
290.11
291.52
292.93
294.34
295.75
297.16
298.57
300.00

000 E. line Allison	59.65	59.50	60.90	61.05
+50	60.25			
1+00	60.85			
+50	61.45			
2+00	62.05			
+50	62.65			
3+00	63.25			
+50	63.85			
4+00	64.45			
+50	65.05			

5+00 = W. line Bayard 65.65 65.50 67.00 67.15

000 E. line Bayard	66.15	66.00	68.00	68.15
+50	66.65			68.55
1+00	67.15			68.95
+50	67.65			69.35
2+00	68.15			69.75
+50	68.65			70.15
3+00	69.15			70.55
+50	69.65			70.95
4+00	70.15			71.35
+50	70.65			71.75

5+00 = W. line Cass 71.15 71.00 72.00 72.15

8	59.6	60.7	62.8	61.4	60.0	69.6	63.2	63.8	62.4	65.0	65.5
	71.6	71.0	70.4	70.8	71.2	70.6	70.0	69.4	68.8	68.2	67.6
	12.8	12.1	10.8	12.8	13.4	12.8	12.2	11.6	11.0	10.4	9.8
	-0.9	-1.1	-0.8	0.0	1.2	1.7	1.2	1.8	1.3	1.8	1.3
8	66.1	66.6	67.1	67.6	68.1	68.6	69.1	69.6	70.1	70.6	71.1
	71.5	71.0	70.5	70.0	69.5	69.0	68.5	68.0	67.5	67.0	66.5
	6.6	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5
	-0.1	0.0	+0.1	+0.1	0.0	-0.1	-0.1	-0.2	0.0	0.0	0.0
N 0.81	68.5	68.9	69.3	69.7	70.1	70.5	70.9	71.3	71.7	72.1	72.5
6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1
5.7	5.5	5.0	4.6	4.3	4.0	3.6	3.1	2.6	2.2	1.8	1.4
10.8	10.6	10.7	10.7	10.6	10.5	10.7	10.6	10.7	10.7	10.9	10.9

S.E. Cor. Fanuel's Beryl

BN 1.11 115.31

7.19
108.15 $\frac{7.19}{.6}$

113.90

NETTO
Beryl Fanuel

S.E. Cor. Fanuel's Lant

BN 0.79 108.30

6.92
93.58 $\frac{6.92}{.6}$

99.51

NETTO
Lant Fanuel

S.E. Cor. Fanuel's Chalcedony

BN 1.80 90.27

7.05
83.22 $\frac{7.05}{.6}$

88.27

NETTO
Chalcedony
Fanuel

Grades Loring
Cass St. to Graham

EL Cass	11.1	St.	97.80
50'	92.78	91.78	92.76
100'	93.76	92.76	93.75
150'	94.75	93.75	94.73
200'	95.73	94.73	95.72
250'	96.72	95.72	96.30
280'	97.30	96.30	97.01
300'	98.01	97.01	98.78
350'	99.78	98.78	100.55
400'	101.55	100.55	102.32
450'	103.32	102.32	105.10
500'	105.10	104.10	
EL Darter	107.34	106.34	
50'	108.73	107.73	
100'	110.12	109.12	
150'	111.51	110.51	
200'	112.90	111.90	
250'	114.29	113.29	
300'	115.68	114.68	
350'	117.07	116.67	
400'	118.46	117.46	
450'	119.85	118.85	
500' - N.E.verts	121.24	120.24	

70.56 77.98
7.42 0.28
91.56 77.20
6.42 12.51
109.71

91.80 92.78 93.76 94.75 95.73 96.71 97.30 98.01 98.78
1.80 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
2.7 3.0 3.0 3.3 3.3 3.3 3.3 3.3 3.3

92.00 92.78 93.76 94.75 95.73 96.30 97.01 98.01 98.78
1.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
2.7 3.0 3.0 3.3 3.3 3.3 3.3 3.3 3.3

107.30 107.04 107.00
2.31 2.27 2.71
105.80 5.46 5.13 4.44 4.45 5.86
3.71 4.75 4.88 4.44 4.45 5.86

3.45 3.80 3.70 3.60 4.60 5.05
6.36 5.21 6.01 6.11 5.61 4.63
40.50 40.50 40.50 40.50 40.50 40.50

5.86 6.04 6.50
4.15 3.67 3.41

107.34 108.73 110.12 111.51 112.90 114.29 115.68 117.07 118.46
1.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
2.7 3.0 3.0 3.3 3.3 3.3 3.3 3.3 3.3

106.34 107.73 109.12 110.51 111.90 113.29 114.68 116.07 117.46
1.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
2.7 3.0 3.0 3.3 3.3 3.3 3.3 3.3 3.3

124.17 125.63 127.04 128.44 129.84 131.24 132.64 134.04 135.44
1.46 1.46 1.46 1.46 1.46 1.46 1.46 1.46 1.46
125.63 127.04 128.44 129.84 131.24 132.64 134.04 135.44

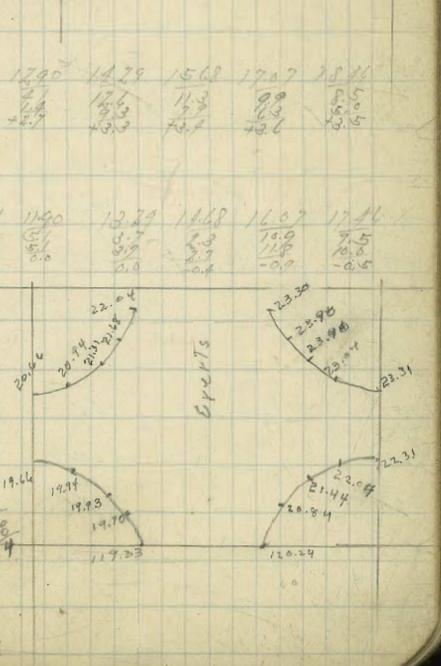
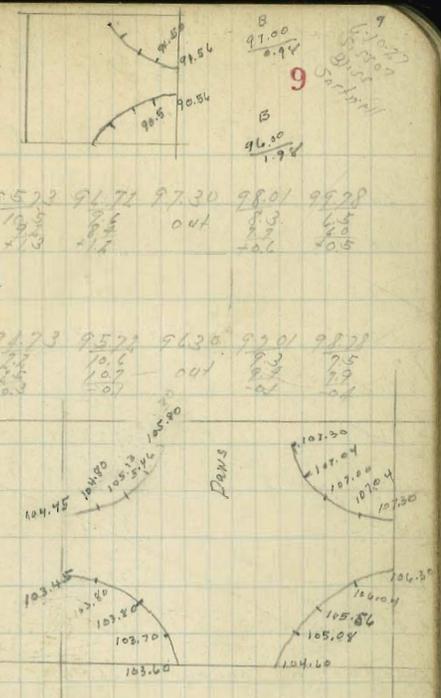
20.66 19.46 19.94 19.70 18.33 18.33 18.33 18.33 18.33
4.77 5.97 5.19 5.43 6.30 6.30 6.30 6.30 6.30
40.50 40.50 40.50 40.50 40.50 40.50 40.50 40.50 40.50

20.44 20.64 21.44 22.04 22.84 22.84 22.84 22.84 22.84
5.39 4.79 4.19 3.69 3.19 3.19 3.19 3.19 3.19
40.50 40.50 40.50 40.50 40.50 40.50 40.50 40.50 40.50

23.31 23.32 23.04 23.30 23.59 23.33 23.33 23.33 23.33
2.32 2.32 2.32 2.32 2.32 2.32 2.32 2.32 2.32

22.44 22.53 22.70 22.31 22.04 21.44 20.84 20.84 20.84
2.53 2.53 2.53 2.53 2.53 2.53 2.53 2.53 2.53
126.70 126.70 126.70 126.70 126.70 126.70 126.70 126.70 126.70

19.66 19.94 19.93 19.70 19.33 19.33 19.33 19.33 19.33
7.04 6.76 6.77 7.00 7.37 7.37 7.37 7.37 7.37
0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91



8
97.00
0.94
9
96.30
1.98

107.34 108.73 110.12 111.51 112.90 114.29 115.68 117.07 118.46
1.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
2.7 3.0 3.0 3.3 3.3 3.3 3.3 3.3 3.3

19.66 19.94 19.93 19.70 19.33 19.33 19.33 19.33 19.33
7.04 6.76 6.77 7.00 7.37 7.37 7.37 7.37 7.37
0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91 0.91

Grades Wilbur Aic
Events to Graham

	S. L. 1122 94.30	S. ct 94.02	N. ct 98.02	N. L. 1122 98.30
0 + 0 - 85.342 of 112 Events	105.1			106.1
+ 42.67	106.2			107.2
85.342 - H.L. Events	107.3	106.98	107.98	108.30
EL Events	108.3	108.04	107.04	109.30
50%	109.6			110.6
100%	117.0			112.0
150%	112.3			113.3
200%	113.7			114.7
250%	115.0			116.0
300%	116.3			117.3
350%	117.7			118.7
400%	119.0			120.0
450%	120.3			121.3
500% - H.L. Events	121.7	121.46	122.46	122.7

123.17 124.17

124.17 30' N. N. Tie Events + Ties

130.55
7.52
123.00

27
11

126.17
121.03
114.16 BM. 40' N. E. T. 2 Wilbur & Events

	N	106.1	107.7	108.3	109.3	110.6	112.0
		15.2	14.1	13.0	12.0	10.7	9.3
		13.6	12.4	11.1	9.0	8.4	9.2
		+1.6	+1.7	+1.9	+3.0	+2.3	+1.1
130.35	S	105.1	106.2	107.3	104.3	109.6	111.0
		16.2	15.1	14.0	13.0	11.7	10.3
		16.9	15.9	14.2	13.8	12.4	11.6
		-0.7	-0.8	-0.2	+0.2	-0.7	-1.3
	N	113.3	114.7	116.0	117.3	118.7	120.0
		8.0	6.6	5.3	4.0	2.6	1.3
		7.3	5.3	3.9	2.7	1.6	0.4
		+0.7	+1.3	+1.4	+1.3	+1.0	+1.1
	S	112.3	113.7	115.0	116.3	117.7	119.0
		9.0	7.6	6.3	5.0	3.6	2.3
		10.4	8.4	7.4	6.4	4.7	3.0
		-1.4	-0.8	-1.1	-1.4	-1.1	-0.7

	129.86	121.46	122.46	123.00
	2.23	2.6	2.2	2.7
	142.07	121.20	122.20	123.20
	121.90	9.94	8.84	8.87
	129.19	9.50	8.87	8.87
	1.85	+0.34	-0.03	5.2
	131.04			2.2
				+3.0
144.16				
0.30				
144.46				

	109.67	109.28	108.74	108.20	107.80	104.82	105.85
	4.79	5.18	5.12	6.26	6.6	7.64	8.61
	4.91	5.01	5.69	6.53	6.83	7.53	8.92
	-0.12	+0.17	+0.03	-0.27	-0.17	+0.11	+0.69

	106.68	106.95	107.13	107.102	106.72	105.75	104.77
	7.78	7.51	7.53	7.46	7.74	8.71	8.69
	7.78	7.39	7.24	6.60	6.99	7.72	8.43
	0.0	+0.12	0.09	+0.86	+0.75	+1.00	+0.86

	N	109.76	109.34	108.95	107.04	109.31
		4.70	5.12	5.51	5.46	5.15
		4.48	4.92	5.75	5.98	4.92
		+0.25	+0.30	-0.24	-0.56	+0.16
	S	106.78	107.10	107.53	107.98	108.31
		7.64	7.36	6.93	6.48	6.18
		7.29	6.98	6.74	5.96	5.43
		+0.39	+0.38	+0.17	+0.52	+0.72

Ties Wilbur & Events SW + N.E 40' & 40' from BIK Coy

Wilbur Ave Grades

10.71
127.22

12

26.1
10.0
3.8
-0.7

	S. Line	S. ch	N. ch	N. Line
				130.55 1.70 128.85 7.25 136.10
00- E. line Fawcett	123.5	123.17	124.17	124.5
+50	123.9			124.9
1+00	124.3			125.3
+50	124.7			125.7
2+00	125.1			126.1
+50	125.5			126.5
3+00	125.9			126.9
+50	126.3			127.3
4+00	126.7			127.7
+50	127.1			128.1

N	124.5	124.9	25.3	25.7	26.1	26.5	26.9
	6.0	5.0	5.0	4.8	4.4	4.1	4.2
	4.8	3.2	2.2	1.9	1.7	1.6	1.0
	+1.7	+2.4	+3.0	+2.9	+2.7	+2.0	+3.2
S	123.5	23.9	24.3	24.7	25.1	25.5	25.9
	7.0	6.6	6.2	5.8	5.4	5.0	4.6
	7.8	7.1	6.5	5.9	5.5	4.5	4.2
	-0.8	-0.5	-0.3	-0.1	-0.1	+0.5	+0.4
N	27.3	27.7	28.1	28.6		29.4	
	10.8	10.4	10.0	9.5		8.7	
	8.2	7.2	7.1	6.9		6.3	
	+2.6	+3.2	+2.9	+2.6		+2.4	
S	26.3	26.7	27.1	27.6		28.4	
	10.2	11.4	11.0	10.5		9.7	
	3.8	11.1	10.6	11.2		10.5	
	+0.4	+0.3	+0.4	-0.7		-0.8	
			138.13				
			4.80				
			133.33				

RAM. 40' N. E. Tie Wilbur & Gresham

5+00=N. line Gresham	127.6	127.33	128.33	128.6
				27.34
E. line Gresham	128.4	128.07	129.07	129.4

	24.26	23.87	23.23	22.64	22.10
	3.00	3.57	4.11	4.70	5.03
	2.86	3.41	4.20	5.01	5.15
	+0.22	+0.11	-0.07	-0.21	+0.14
S	20.83	21.22	21.65	22.16	21.70
	6.51	6.12	5.69	5.20	4.34
	6.00	5.75	5.46	5.16	4.54
	+0.51	+0.37	+0.23	+0.28	+0.34

Ties Wilbur & Fawcett S.W. & N.E. 40' & 40' from Blk Cor				
" " & Gresham S.W. & N.E. 40' & 40' " " "				

N	25.26	24.84	24.27	24.17	24.25
	2.08	2.50	3.07	3.77	3.09
	2.02	2.50	3.07	3.10	3.09
	+0.02	0.0	0.0	+0.07	0.0
S	21.79	22.19	22.68	23.17	23.25
	5.55	5.15	4.66	4.17	4.09
	5.22	4.71	4.22	3.73	3.60
	+0.27	+0.44	+0.40	+0.38	+0.49

	108.25	28.33	28.83	29.51	30.02	30.25	27.33	27.40	26.83	26.05
	9.87	6.54	6.07	5.36	4.83	4.27	3.54	2.87	2.04	1.82
	7.82	6.42	6.10	5.18	4.50	3.84	3.17	2.57	1.82	1.32
	0.0	+0.12	-0.04	+0.18	+0.33	+0.23	+0.35	+0.09	+0.26	+0.50
S	127.04	29.04	29.30	29.98	30.47	30.08	28.04	27.68	27.00	26.50
	5.79	5.83	5.57	4.87	4.40	3.79	3.03	2.19	1.27	0.80
	5.14	5.52	5.21	4.77	4.14	3.68	3.00	2.00	1.28	0.80
	+0.10	+0.31	+0.34	+0.12	+0.24	+0.11	+0.23	+0.19	+0.59	+0.57

N	25.26	24.84	24.27	24.17	24.25
	2.08	2.50	3.07	3.77	3.09
	2.02	2.50	3.07	3.10	3.09
	+0.02	0.0	0.0	+0.07	0.0
S	21.79	22.19	22.68	23.17	23.25
	5.55	5.15	4.66	4.17	4.09
	5.22	4.71	4.22	3.73	3.60
	+0.27	+0.44	+0.40	+0.38	+0.49

Beryl St Grades

	S. Line 83.8	S. d. 43.56	N. d. 44.56	N. Line 84.8
00-85.9 W. of Events	95.3			96.3
+42.95	96.5			97.5
+85.9 = W. Line Events	97.7	97.44	98.44	98.7

	S. Line	S. d.	N. d.	N. Line
000 E. Line Events	99.5	99.17	100.17	100.5
+50	100.4			101.4
+100	101.3			102.4
+150	102.3			103.3
+200	103.3			104.3
+250	104.2			105.2
+300	105.2			106.2
+350	106.2			107.2
+400	107.1			108.1
+450	107.1			109.1

	S. Line	S. d.	N. d.	N. Line
5400 = W. Line Fanue	109.1	108.81	109.81	110.1
E. Line Fanue		109.59	110.59	

Ties Events + Beryl S.W. + N.E. 400' from Elk Cars

	S	W	S	E
	7.65	8.10	8.71	8.81
	7.38	8.93	8.27	8.22
	8.14	8.65	8.47	8.30
	10.24	10.24	0.10	0.08
			108.61	8.15
			8.42	8.98
			8.27	8.15
			10.10	10.10
			8.60	8.10
			7.90	7.90
			7.89	7.89
			10.04	10.04
			9.58	9.58
			7.45	7.45
			7.25	7.25
			10.20	10.20
			7.63	7.63
			7.40	7.40
			7.00	7.00
			10.40	10.40

115.61
1.71
113.90 B.M. 40' N.E. Tie Fanue + Beryl

	N	S	N	S	N	S	N	S	N	S
	96.3	97.5	98.7	100.5	101.4	102.4	103.3	104.3	105.2	106.2
	10.4	9.2	8.0	6.2	5.3	4.3	3.3	2.3	1.3	0.3
	10.0	8.8	7.0	4.7	4.3	4.0	3.0	2.0	1.0	0.0
	10.4	10.4	11.0	11.5	11.0	10.5	10.0	9.5	9.0	8.5
	95.3	96.5	97.7	99.5	100.4	101.4	102.3	103.3	104.3	105.2
	11.4	10.2	9.0	7.2	6.3	5.3	4.4	3.4	2.4	1.4
	11.3	10.2	8.6	7.2	6.3	5.3	4.4	3.4	2.4	1.4
	10.1	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0
	103.3	4.8	5.2	6.2	7.2	8.1	9.1	10.1	11.1	12.1
	12.3	11.3	10.4	9.4	8.4	7.5	6.5	5.5	4.5	3.5
	11.0	11.0	10.0	9.0	8.4	7.8	7.2	6.6	6.0	5.4
	10.6	10.3	10.4	10.4	10.0	10.7	12.0	11.6	11.2	10.8
	102.3	3.3	4.2	5.2	6.2	7.1	8.1	9.1	10.1	11.1
	4.4	12.3	11.4	10.4	9.4	8.5	7.5	6.5	5.5	4.5
	5.5	12.9	12.1	11.1	10.2	9.1	8.0	7.0	6.0	5.0
	11.1	10.6	10.7	10.7	10.8	10.6	10.5	10.4	10.3	10.2

106.71
3.71
102.80 B.M. 40' N.E. Tie Events + Beryl

102.17 11 NE 5' STUB

114.14 B.M. N.E. Tie W. Line Events

	N	S	N	S	N	S	N	S
	100.72	100.44	100.24	100.19	100.38	100.38	100.38	100.38
	3.26	3.50	3.74	3.79	3.60	3.60	3.60	3.60
	3.26	3.43	3.28	3.28	3.28	3.28	3.28	3.28
	10.10	10.07	10.01	10.07	10.07	10.07	10.07	10.07
	97.89	98.26	98.63	99.19	99.38	99.38	99.38	99.38
	6.09	5.72	5.35	4.77	4.60	4.60	4.60	4.60
	5.89	5.48	5.09	4.44	4.60	4.60	4.60	4.60
	10.27	10.24	10.26	10.65	10.65	10.65	10.65	10.65

	N	S	N	S	N	S	N	S
	99.82	99.55	99.00	98.44	98.16	98.16	98.16	98.16
	4.16	4.42	4.78	5.24	5.81	5.81	5.81	5.81
	4.09	4.39	4.88	5.36	5.80	5.80	5.80	5.80
	10.07	10.04	10.00	10.18	10.18	10.18	10.18	10.18

113.90
3.12
117.05

	N	S	N	S	N	S	N	S
	96.74	97.29	97.65	97.44	97.16	97.16	97.16	97.16
	7.04	6.67	6.33	6.54	6.82	6.82	6.82	6.82
	6.65	6.35	6.01	5.77	5.92	5.92	5.92	5.92
	10.37	10.34	10.27	10.77	10.90	10.90	10.90	10.90

	N	S	N	S	N	S	N	S
	108.4	103.9	99.4	109.61	11.71	11.31	10.80	10.60
	6.20	6.14	7.10	7.42	5.32	5.72	6.23	6.40
	6.04	6.35	7.10	7.42	5.15	5.40	6.26	6.36
	10.14	10.09	0.00	10.17	10.17	10.17	10.17	10.17

	S	W	S	E
	7.65	8.10	8.71	8.81
	7.38	8.93	8.27	8.22
	8.14	8.65	8.47	8.30
	10.24	10.24	0.10	0.08
			108.61	8.15
			8.42	8.98
			8.27	8.15
			10.10	10.10
			8.60	8.10
			7.90	7.90
			7.89	7.89
			10.04	10.04
			9.58	9.58
			7.45	7.45
			7.25	7.25
			10.20	10.20
			7.63	7.63
			7.40	7.40
			7.00	7.00
			10.40	10.40

Gresham St Grades

127.31
6.29
116.02 BM. 40' N.E. Tie Gresham 15
15

133.33 B.M. N.E. 40 Tie Wilbur + Gresham

121.60
145.73

	W. line	W. el	E. el	E. line
00=S Line Loring	143.5	143.19	143.22	143.5
+45	41.3	142.68	142.73	141.3
+90	39.0			139.1
1+35	36.7			136.9
1+80	34.4			134.7
2+25	32.1			132.5

	W. line	W. el	E. el	E. line
2+70=N. Line Wilbur	129.8	129.51	129.98	130.3

	W. line	W. el	E. el	E. line
00=S Line Wilbur	126.8	126.53	127.00	127.3
+45	24.7			25.0
+90	22.5			22.8
1+35	20.2			20.5
1+80	18.1			18.3
2+25	16.0			16.0

	W. line	W. el	E. el	E. line
2+70=N. Line Beryl	113.8	113.47	113.50	113.8

	W. line	W. el	E. el	E. line
00=S Line Beryl	111.0	110.76	110.76	111.0
+45	109.4			109.34
+90	107.67			107.67
1+35	106.00			106.00
1+80	104.34			104.34
2+25	102.67			102.67

	W. line	W. el	E. el	E. line
2+70=N. Line Law	101.0	100.74	100.74	101.0

	W. line	W. el	E. el	E. line
S. Line Law		98.36	98.42	

	W	W. el	E. el	E. line	W	W. el	E. el	E. line
	43.5	41.3	39.0	36.7	34.4	32.1	29.8	
	2.4	4.6	6.9	9.2	11.5	13.8	16.1	
	3.6	5.2	7.1	9.0	10.9	13.0	15.1	
	-1.2	-0.6	-0.2	+0.2	+0.6	+0.8	+1.4	
	43.5	41.3	39.1	36.9	34.7	32.5	30.3	
	2.4	4.0	6.8	9.0	11.2	13.4	15.6	
	2.2	3.8	5.8	8.1	10.1	12.2	14.3	
	+0.2	+0.8	+1.0	+0.9	+1.1	+1.2	+1.5	

	W	W. el	E. el	E. line	W	W. el	E. el	E. line
	26.8	24.7	22.5	20.2	18.1	16.0	13.8	
	7.6	9.7	11.9	14.2	16.5	18.8	21.1	
	7.5	8.8	11.0	13.1	15.2	17.3	19.4	
	+0.1	+0.9	+0.9	+1.1	+1.2	+1.2	+1.5	
	27.3	25.0	22.8	20.5	18.3	16.0	13.8	
	7.1	9.4	11.6	14.0	16.3	18.6	20.9	
	6.8	9.3	10.8	13.4	15.7	18.0	20.3	
	+0.3	+0.1	+0.8	+0.6	+0.8	+0.8	+1.1	

	W	W. el	E. el	E. line
	11.0	11.0	11.0	11.0
	11.3	11.3	11.3	11.3
	11.2	11.2	11.2	11.2
	+0.1	+0.1	+0.1	+0.1

	W	W. el	E. el	E. line
	11.0	11.0	11.0	11.0
	11.3	11.3	11.3	11.3
	11.2	11.2	11.2	11.2
	-0.5	-0.5	-0.5	-0.5

	W	W. el	E. el	E. line
	111.00	109.34	107.67	106.00
	3.8	2.4	1.1	0.0
	3.8	2.4	1.1	0.0
	+0.3	+0.2	-0.1	-0.1

	W	W. el	E. el	E. line
	111.00	109.34	107.67	106.00
	3.8	2.4	1.1	0.0
	3.8	2.4	1.1	0.0
	-0.4	-0.9	-1.0	-0.1

	W	W. el	E. el	E. line
	101.0	100.74	100.74	101.0

	W	W. el	E. el	E. line
	101.0	100.74	100.74	101.0

	W	W. el	E. el	E. line
	101.0	100.74	100.74	101.0

	W	W. el	E. el	E. line
	101.0	100.74	100.74	101.0

	W	W. el	E. el	E. line
	101.0	100.74	100.74	101.0

	W	W. el	E. el	E. line
	101.0	100.74	100.74	101.0

Chalcedony Grades

	S. line	S. cl	N. cl	N. line
00 = E. line Fanuel	84.3	84.00	85.00	85.3
+50	84.7			85.7
100	85.1			86.1
+50	85.5			86.5
200	85.9			86.9
+50	86.3			87.3
300	86.7			87.7
+50	87.1			88.1
400	87.5			88.5
+50	87.9			88.9
500 = W. line Gresham	88.3	88.00	89.00	89.3

E. line Gresham 89.3 89.00 90.00 90.3

Ties Chalcedony & Fanuel S.W. & N.E. 40x40' from Blk cor.
 10' to S.W. of Blk cor. 15' to N.E.
 Gresham East on N. line Chal. 40x40' E. of E. line Gresham

70.58
2.07
818.87

NORTH N.E.
Chalcedony
Fanuel

	N	85.3	85.7	86.1	86.5	86.9	87.3	87.7
		85.3	85.7	86.1	86.5	86.9	87.3	87.7
		84.3	84.7	85.1	85.5	85.9	86.3	86.7
	N	88.5	88.9	89.3		90.3		
	S	87.1	87.5	87.9	88.3		89.3	

85.3
4.0
2.0
12.0

82.56
7.25
898.81

NORTH S.W.
Chalcedony & Gresham

	N	88.70	89.00	89.20	89.40	89.60	89.80
		88.70	89.00	89.20	89.40	89.60	89.80
		87.92	88.00	88.20	88.40	88.60	88.80
	N	85.92	86.00	86.20	86.40	86.60	86.80
	S	83.22	83.40	83.74	84.00	84.28	84.58

86.08
4.21
92.57

Gresham

	N	89.96	89.64	89.27	89.16	89.08
		89.96	89.64	89.27	89.16	89.08
		87.07	87.38	87.80	88.00	88.08
	S	87.98	88.32	88.78	89.00	89.04
	N	90.87	90.88	90.18	90.00	90.04

Missouri Grades

E. line Dams	S. line	S. elev 60.28	N. elev 61.28	N. line
0 60 = 87.80 W. of Everts	66.20	66.28	67.00	67.20
+ 43.9	66.81			67.81
+ 87.9 = W. line Everts	67.42	67.22	68.22	68.42
00 = E. line Everts	69.96	67.76	68.76	68.96
+ 50	68.61			69.61
+ 100	69.26			70.26
+ 50	69.90			70.90
+ 200	70.55			71.55
+ 50	71.20			72.20
+ 300	71.85			72.85
+ 50	72.50			73.50
+ 400	73.14			74.14
+ 50	73.79			74.79
500 = W. line Farnes	74.44	74.24	75.24	75.44
8. line Farnes		75.10	76.10	
Ties Missouri + Everts S.M. & E. 40' from Elk Co. 80' S.W.				
" " + Farnes S.M. & E. 40' 40' from Elk Co.				

21

7-13-27
5-10-27
8-15-27
S.M. & E.

85.72 H.E.Tie
11.25 Missouri + Everts
SM 70.28

SM 70.18	67.20	67.81	68.42	68.96	69.61	70.26	70.90	71.55
2.57	2.0	2.2	2.5	2.5	2.6	2.6	2.6	2.6
11.27	4.2	4.8	5.1	5.2	5.2	5.2	5.2	5.2
70.82	7.2	7.6	7.5	7.7	7.6	7.6	7.6	7.6
3.00								
71.82	5	6	6	6	6	6	6	6
71.82	2.0	2.2	2.5	2.5	2.6	2.6	2.6	2.6
71.82	7.2	7.6	7.5	7.7	7.6	7.6	7.6	7.6
71.82	10.2	10.3	10.8	10.1	10.7	11.0	11.1	10.5
81.59								
N	72.20	72.85	73.50	74.14	74.79	75.44		
	2.9	1.5	2.1	1.5	1.5	1.5		
	7.2	7.2	7.1	7.2	7.2	7.2		
S	71.20	71.85	72.50	73.14	73.79	74.44		
	3.0	2.2	2.5	1.5	1.5	1.5		
	7.2	7.2	7.2	7.2	7.2	7.2		
	10.2	10.8	10.7	10.6	10.6	10.4		
81.59								
SM 73.78								
77.14								
74.11								
5.03								
4.66								
+0.37								
75.11								
+0.21								
75.32								
5.29								
80.61	76.28	76.00	75.62	75.24	75.11			
	4.33	4.61	5.00	5.37	5.50			
	4.65	4.98	5.56	5.64	5.29			
	-0.32	-0.37	-0.56	-0.27	+0.21			
74.11								
3.7								
74.48								
6.61								
N	76.78	76.52	76.17	76.10	76.15			
	3.83	4.09	4.44	4.51	4.46			
	3.72	4.20	4.21	4.41	4.27			
	+0.11	-0.11	+0.13	0.07	+0.19			
S								
	74.22	74.48	74.80	75.10	75.15			
	6.39	6.13	5.81	5.51	5.46			
	5.39	5.02	6.32	5.41	5.30			
	+1.00	+1.13	-0.52	+0.10	+0.16			
S								
	73.72	73.98	74.29	74.24	74.11			
	6.89	6.63	6.32	6.37	6.50			
	6.40	6.12	5.77	6.07	6.13			
	+0.49	+0.51	+0.55	+0.30	+0.37			

Diamond Grades

67.97
67.12
SM 61.05 SEAP.
Diamond Events

23
7-18-57
23

	N.L. Grade	S.L. Grade
00 = 88.5 W. of Events	60.00	
+44.25	60.75	
+88.5 = W. Line Events	61.50	
00 = 8 Line Events	62.00	
10-29.94	62.45	
0+49.94	62.90	
+99.88	63.35	
1+49.82	63.80	
1+99.76	64.25	
2+49.70	64.70	
+99.64	65.15	
3+49.58	65.60	
+99.52	66.05	
4+49.46	66.50	
+99.40 = N.L. Fouzel	67.00	67.00
K.L. Fouzel = 0+00	67.35	67.35
+49.94	67.70	67.70
+99.88	68.05	68.05
1+49.82	68.40	68.40
1+99.76	68.75	68.75
2+49.70	69.10	69.10
+99.64	69.45	69.45
3+49.58	69.80	69.80
3+99.52	70.15	70.15
4+49.46		

NETS
SM 70.35
73.13
73.13
15.00
61.06
62.69
62.69
62.73
62.73
73.60
73.60
71.20
APRIL
Diamond
Events

N.L.	6020	6045	6170	6220	6265	6310	6355	6400
	7.5	6.3	6.0	5.5	5.5	5.6	5.7	5.7
	71.2	70.4	70.3	70.6	70.3	70.1	70.1	70.1
N.L.	6445	6490	6535	6580	6625	6670		
	5.8	4.6	4.3	4.2	4.2	4.2		
	70.2	70.3	70.2	70.5	70.1	70.1		
N.L.	6720	6755	6790	6835	6860	6895	6930	6965
	6.2	5.8	5.7	5.3	5.2	4.6	4.3	4.2
	71.2	71.6	70.6	70.4	70.2	70.1	70.1	70.1
S.L.	6720	6755	6790	6835	6860	6895	6930	6965
N.L.	7000	7035	7070	7070				
	3.6	3.3	3.0	3.0				
	70.7	70.6	70.6	70.8				
S.L.	70.00	70.35	5.55	6.17	5.31	5.14	5.80	
			66.12	65.50	65.36	66.53	65.87	

65.85 SE. Fouzel
5.85
71.67

66.36	66.46	66.67	67.02	67.28
5.31	5.24	5.00	4.65	4.29
70.80	70.03	70.14	70.07	70.12
67.18	67.10	67.20	67.52	67.78
4.49	4.57	4.47	4.15	3.89
70.11	70.15	70.21	70.15	70.03

Diamond Grades

	N.L. Grade	Sh. Grades
4+99.40 = N.L. Gresham	70.50	70.50
E.L. Gresham	70.50	70.00

N.L. 70.70 70.70

Sh. 70.70 70.70

Excels St Grades
Diamond to Lansing

25
7-10-27
25
11.17
70.22

	H.L.	H.C.L.	F.C.L.	F.L.	30' 61.05 11.21 70.19 76.19 76.23 76.27 76.30 81.76 82.87 84.56	2500 Diamond & 2000'		61.05 11.17 70.22
H.L. Diamond	6209	6182	6235	6255		F	6255 6351 6447 6543 6639 6734	
54X	6313			6351			97 98 98 99 99 99 100 100 100 100 100 100 100 100 100 100 100 100	
108X	6417			6447		H	6209 6313 6417 6522 6622 6731	
162X	6522			6543			99 99 99 99 99 99 100 100 100 100 100 100 100 100 100 100 100 100	
216X	6626			6639				
270X - S.S. Missouri	6731	6711	6711	6731				
H.L. Missouri	6925	6905	6911	6931		F	6921 7007 7113 7221 7321 7421	
54X	7073			7097			99 99 99 99 99 99 100 100 100 100 100 100 100 100 100 100 100 100	
108X	7281			7323		H	6925 7073 7221 7369 7517 7665	
162X	7469			7488			99 99 99 99 99 99 100 100 100 100 100 100 100 100 100 100 100 100	
216X	7577			7594				
270X - S.S. Chelcedony	7645	7645	7709	7748				
H.L. Chelcedony	7872	7865	7848	7868		F	7868 8009 8130 8260 8391 8522	
54X	8011	7991		8099			99 99 99 99 99 99 100 100 100 100 100 100 100 100 100 100 100 100	
108X	8150	8130		8230		H	7872 8011 8151 8289 8428 8568	
162X	8289	8268		8360			99 99 99 99 99 99 100 100 100 100 100 100 100 100 100 100 100 100	
216X	8428	8408		8491				
270X - S.S. Lp	8568	8548	8606	8621				

Events St Grades
Diamond to Loring

12058
31137
H. T. Co
Loring
12117

	N.L.	N.C.	F.C.	F.L.	
					119451
N.L. Low	8791	8771	8821	8841	9224
54M	8883			9044	9224
108M	9125			9245	9224
162M	9311			9445	9224
216M	9558			9646	9224
270M - S.L. Beryl	9729	9729	9821	9846	9224

	F	N
	8844	8791
	9044	8883
	9145	9125
	9445	9311
	9646	9558
	9846	9729

N.L. Beryl	9975	9955	10041	10061
54M	10123			10199
108M	10321			10330
162M	10410			10461
216M	10517			10597
270M - S.L. Wilbur	10715	10695	10707	10722

	F	N
	10041	9975
	10199	10123
	10330	10321
	10461	10410
	10597	10517
	10722	10715

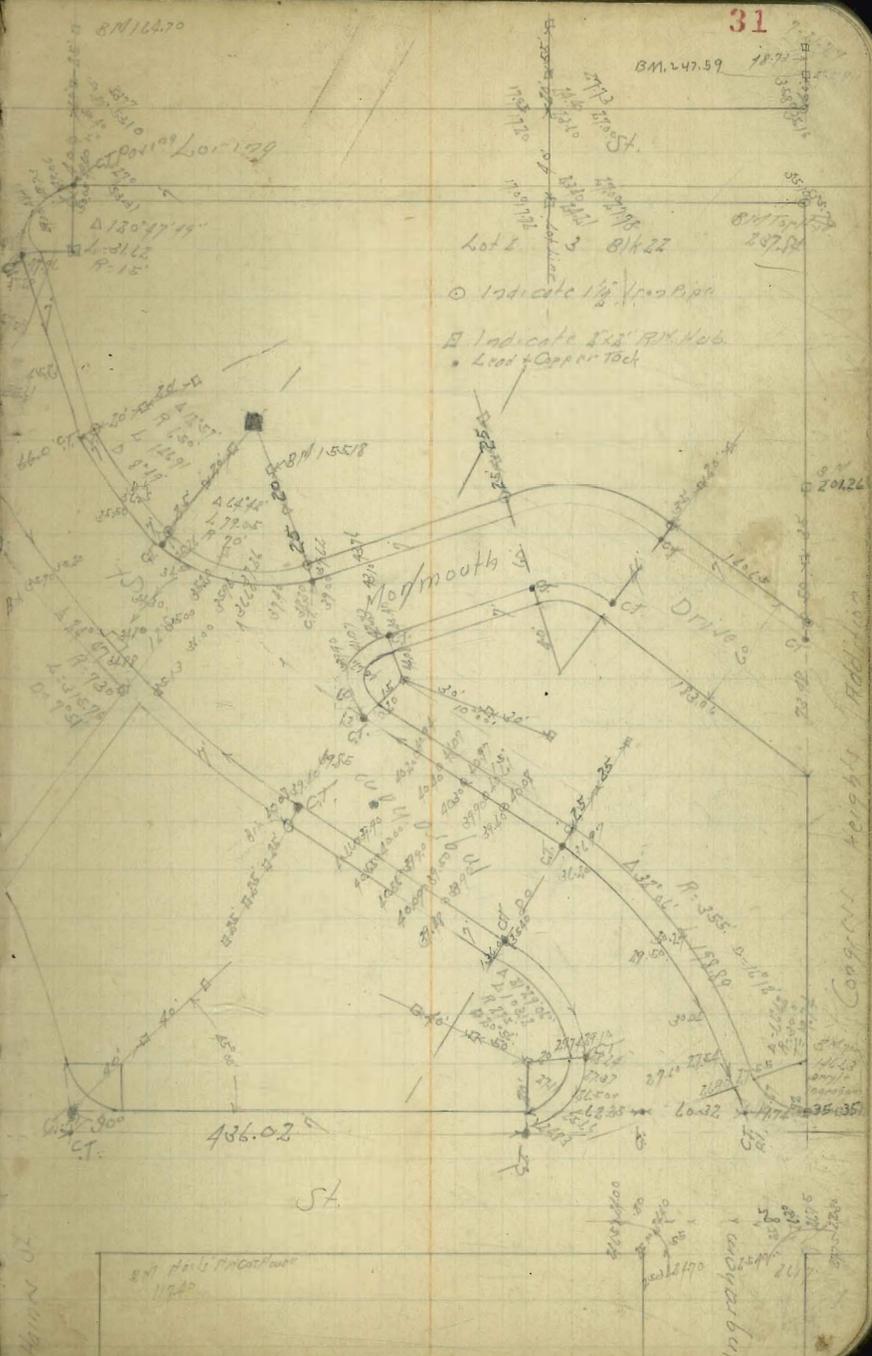
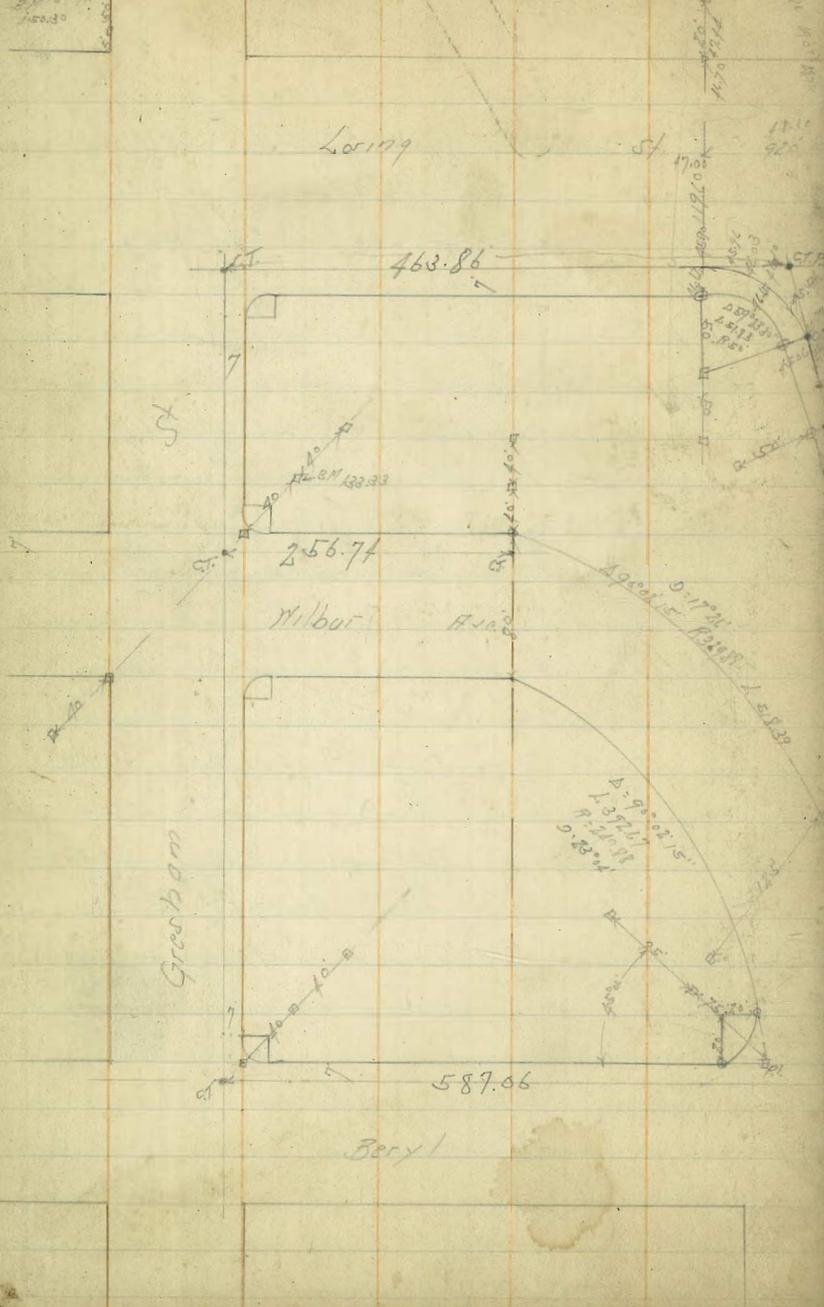
N.L. Wilbur	10948	10928	10934	10954
54M	11157			11180
108M	11311			11406
162M	11525			11632
216M	11719			11858
270M - S.L. Wilbur	11922	11922	12044	12081

	F	N
	10954	10948
	11180	11157
	11406	11311
	11632	11525
	11858	11719
	12081	11922

	NL	H Ch	F Ch	F L
NL Diamond	67.22	67.02	67.52	67.72
54H	68.11			67.11
108H	70.00			70.50
168H	71.89			71.89
216H	72.78			73.28
270H = S.L. Missouri	74.18	74.98	74.68	74.68
N.L. Missouri	76.22	76.02	76.52	76.72
54H	77.51			78.11
108H	78.80			79.50
168H	80.09			80.89
216H	81.38			82.28
270H = S.L. Chalcidney	82.68	82.98	83.48	83.68
N.L. Chalcidney	84.81	84.61	85.11	85.21
54H	86.57			87.47
108H	88.32			89.43
168H	90.07			90.78
216H	91.82			92.44
270H = S.L. Lot	93.57	93.87	93.87	94.07

	W.D. without						
017.500	67.22	67.11	-7.150	71.89	74.20	74.68	
54H	68.11	68.11	10.2	8.6	8.2	6.8	
108H	70.00	70.00	10.6	10.7	10.9	11.0	
168H	71.89	71.89	11.5	10.1	8.7	7.5	
216H	72.78	72.78	-0.1	10.8	9.0	7.8	
270H = S.L. Missouri	74.18	74.18	10.2	10.2	10.3	10.4	
N.L. Missouri	76.22	76.22	10.2	10.1	10.3	10.4	
54H	77.51	77.51	10.5	10.3	10.4	10.3	
108H	78.80	78.80	10.7	10.3	10.4	10.3	
168H	80.09	80.09	10.7	10.3	10.4	10.3	
216H	81.38	81.38	10.7	10.3	10.4	10.3	
270H = S.L. Chalcidney	82.68	82.68	10.7	10.3	10.4	10.3	
N.L. Chalcidney	84.81	84.81	10.7	10.3	10.4	10.3	
54H	86.57	86.57	10.7	10.3	10.4	10.3	
108H	88.32	88.32	10.7	10.3	10.4	10.3	
168H	90.07	90.07	10.7	10.3	10.4	10.3	
216H	91.82	91.82	10.7	10.3	10.4	10.3	
270H = S.L. Lot	93.57	93.57	10.7	10.3	10.4	10.3	

The North Shore Highlands



Loring St Grades
Gresham to East Line of North Slope Highlands

7-2-27

	N	S	Prop. Grades
F.L. Gresham	145.55	144.55	SM 150.13 152.78 150.69 147.35 12.95
53.06 E	145.82	144.82	145.30 165.02 12.52
106.12 E	146.10	145.10	177.56 176.03 177.53
159.18 E	146.37	145.37	177.53 176.57 178.04
212.24 E	146.65	145.65	178.04 180.37 182.73 12.25
265.36 E	146.92	145.92	206.12 201.34 203.71 2.37
318.36 E	147.20	146.20	214.04 216.67 226.76 226.66 222.26 437.03 0.18
371.42 E	147.47	146.47	238.85 237.87 237.82
424.48 E - F.C. Ingraham	147.75	146.75	237.82
Corb. Grades on Prop			
F.C. Ingraham & Loring St	150.50	150.00	
50 E	161.37	160.89	
100 E	172.23	171.75	
150 E	183.10	182.67	
200 E	193.96	193.50	
250 E	204.83	204.44	
300 E	215.69	215.33	
318 E - Beckon	218.30	out	
342 E - " NYS	221.50	221.50	
372 E - " "	227.80	227.80	
412 E - " "	229.40	229.40	
452 E - Ort	231.00	231.00	
502 E - " "	233.50	233.50	
552 E - Ort	236.00	236.00	

N 145.55	145.82	146.10	146.37	146.65	146.92	147.20	
7.5	7.0	7.6	7.4	7.1	7.7	6.5	
-2.7	-2.0	-2.7	-1.7	-2.1	-2.0	-0.6	4.35
S 144.55	144.82	145.10	145.37	145.65	145.92	146.20	9.10
1.5	2.0	2.6	2.2	2.6	2.7	2.5	
-0.7	-1.6	-0.6	-1.2	-1.5	-1.5	-3.1	
N 147.47	147.75						
5.3	5.0						
5.2	4.2						
-0.6	-2.2						
S 146.47	146.75						
1.3	2.0						
-5.1	-4.0						
150.00	150.00						
SM 164							
N 150.50	161.37	172.23	183.10	193.96	204.83	215.69	
1.5	1.5	5.3	7.0	8.0	8.4	11.0	
11.07	-2.2	+2.9	+0.8	+2.7	+5.2	+4.7	
S 150.00	160.89	171.75	182.67	193.55	204.44	215.33	
15.3	2.4	5.8	7.4	8.4	8.8	11.4	
10.2	-0.7	-1.3	-1.3	-0.8	-1.0	-0.8	
N 218.30	221.50	227.80	229.40	231.00	233.50	236.00	
8.6	18.5	16.6	17.6	16.8	14.3	11.8	
1.4	3.7	+6.5	+1.2	+1.2	+2.6	+2.6	
S out	221.50	227.80	229.40	231.00	233.50	236.00	
8.6	16.6	16.6	16.0	16.3	11.8	11.8	
1.0	-1.4	+0.8	+2.8	+3.7	+3.7	-1.3	
217.82							
SM 233.97							
217.82							
217.82							

Boring St Grades

Gresham to Fly Line North Shore Highlands

	H	S	247.84
592.1	239.00	239.00	12.84
632.1 - Fly Line North Shore Highland	242.00	242.00	235.55
			236.79

217.82
235.55
811 247.87
6.71
Gresham

H	239.00	242.00
	87	58
	22	88
	23.1	27
	236.5	
S	239.00	242.00
	14.5	5.5
	14.5	5.5
	-12.5	-12.5

Milbur St. Grades
 Grasham to Bert's Hoines

	H	S	8 th 133.33 Milbur Grasham
F.L. Grasham	129.27	129.27	136.87
50' F	129.45	128.45	135.50
100' F	129.63	128.63	133.70
150' F	129.81	128.81	
200' F - 8th	130.00	129.00	
250' F - P.C.P	129.70	128.70	
300' F - 8th	129.80	127.80	
350' F	129.85	126.40	
400' F	126.70	125.00	
450' F	125.54	123.60	
500' F	124.89	122.20	
550' F	123.63	120.80	
600' F	122.08	119.40	
642.7 - EC on SM	121	118.20	
650'	120.93		
700'	119.77		
750'	118.62		
768.4 - 100' H.L.	118.20		

133.98
6.50
SM 117.40

Mail Mfg. Co. West
 5th Bert's Hoines

	H	S	8	P.C.B	13	8		
129.27	29.65	29.63	29.51	30.00	29.70	29.40	27.85	26.70
128.45	28.5	28.7	28.5	29.00	28.70	28.40	26.40	25.00
127.80	27.5	27.3	27.2	28.00	27.70	27.40	26.00	24.50
126.70	26.0	25.8	25.7	27.00	26.70	26.40	25.00	23.50
125.54	24.39	23.23	22.08	20.93	19.77	18.61	18.20	
123.60	22.20	20.90	19.40	18.20		12.97		
122.20	20.80	19.50	18.20	16.90		12.80		
120.80	18.20	17.00	15.70	14.40		12.60		
119.40	16.69	15.38	14.07	12.75		12.44	12.12	12.81
118.20	15.58	14.26	12.95	11.67		11.49	11.12	11.83
	14.83	13.54	12.22	10.52		10.44	10.00	10.30
	13.69	12.40	11.08	9.37		9.26	8.80	9.13
	12.54	11.25	9.93	8.22		8.14	7.68	8.00
	11.39	10.10	8.78	7.07		7.00	6.54	6.86
	10.24	8.95	7.63	5.92		5.86	5.40	5.72
	9.09	7.80	6.48	4.77		4.70	4.24	4.56
	7.94	6.65	5.33	3.62		3.56	3.10	3.42
	6.79	5.50	4.18	2.47		2.40	1.94	2.26
	5.64	4.35	2.93	1.32		1.26	0.80	1.12
	4.49	3.20	1.78	0.17		0.10	0.00	0.00
	3.34	2.05	0.63	-0.08		-0.02	-0.06	-0.06
	2.19	0.90	-0.02	-0.93		-0.87	-0.90	-0.90
	1.04	-0.13	-0.94	-1.78		-1.72	-1.75	-1.75
	-0.11	-0.84	-1.69	-2.63		-2.57	-2.60	-2.60
	-0.96	-1.69	-2.54	-3.48		-3.42	-3.45	-3.45
	-1.81	-2.54	-3.39	-4.33		-4.27	-4.30	-4.30
	-2.66	-3.39	-4.24	-5.18		-5.12	-5.15	-5.15
	-3.51	-4.24	-5.09	-6.03		-5.97	-6.00	-6.00
	-4.36	-5.09	-5.94	-6.88		-6.82	-6.85	-6.85
	-5.21	-5.94	-6.79	-7.73		-7.67	-7.70	-7.70
	-6.06	-6.79	-7.64	-8.58		-8.52	-8.55	-8.55
	-6.91	-7.64	-8.49	-9.43		-9.37	-9.40	-9.40
	-7.76	-8.49	-9.34	-10.28		-10.22	-10.25	-10.25
	-8.61	-9.34	-10.19	-11.13		-11.07	-11.10	-11.10
	-9.46	-10.19	-11.04	-11.98		-11.92	-11.95	-11.95
	-10.31	-11.04	-11.89	-12.83		-12.77	-12.80	-12.80
	-11.16	-11.89	-12.74	-13.68		-13.62	-13.65	-13.65
	-12.01	-12.74	-13.59	-14.53		-14.47	-14.50	-14.50
	-12.86	-13.59	-14.44	-15.38		-15.32	-15.35	-15.35
	-13.71	-14.44	-15.29	-16.23		-16.17	-16.20	-16.20
	-14.56	-15.29	-16.14	-17.08		-17.02	-17.05	-17.05
	-15.41	-16.14	-17.05	-17.93		-17.87	-17.90	-17.90
	-16.26	-17.05	-17.96	-18.78		-18.72	-18.75	-18.75
	-17.11	-17.96	-18.87	-19.63		-19.57	-19.60	-19.60
	-17.96	-18.87	-19.78	-20.48		-20.42	-20.45	-20.45
	-18.81	-19.78	-20.67	-21.33		-21.27	-21.30	-21.30
	-19.66	-20.67	-21.56	-22.18		-22.12	-22.15	-22.15
	-20.51	-21.56	-22.41	-23.03		-22.97	-23.00	-23.00
	-21.36	-22.41	-23.24	-23.88		-23.82	-23.85	-23.85
	-22.21	-23.24	-24.07	-24.73		-24.67	-24.70	-24.70
	-23.06	-24.07	-24.86	-25.58		-25.52	-25.55	-25.55
	-23.91	-24.86	-25.69	-26.43		-26.37	-26.40	-26.40
	-24.76	-25.69	-26.52	-27.28		-27.22	-27.25	-27.25
	-25.61	-26.52	-27.35	-28.13		-28.07	-28.10	-28.10
	-26.46	-27.35	-28.18	-28.98		-28.92	-28.95	-28.95
	-27.31	-28.18	-29.03	-29.83		-29.77	-29.80	-29.80
	-28.16	-29.03	-29.88	-30.68		-30.62	-30.65	-30.65
	-29.01	-29.88	-30.73	-31.53		-31.47	-31.50	-31.50
	-29.86	-30.73	-31.58	-32.38		-32.32	-32.35	-32.35
	-30.71	-31.58	-32.43	-33.23		-33.17	-33.20	-33.20
	-31.56	-32.43	-33.28	-34.08		-34.02	-34.05	-34.05
	-32.41	-33.28	-34.13	-34.93		-34.87	-34.90	-34.90
	-33.26	-34.13	-35.03	-35.78		-35.72	-35.75	-35.75
	-34.11	-35.03	-35.93	-36.63		-36.57	-36.60	-36.60
	-34.96	-35.93	-36.98	-37.48		-37.42	-37.45	-37.45
	-35.81	-36.98	-38.03	-38.33		-38.27	-38.30	-38.30
	-36.66	-38.03	-39.03	-39.18		-39.12	-39.15	-39.15
	-37.51	-39.03	-40.03	-40.03		-39.97	-40.00	-40.00
	-38.36	-40.03	-40.93	-40.88		-40.82	-40.85	-40.85
	-39.21	-40.93	-41.83	-41.73		-41.67	-41.70	-41.70
	-40.06	-41.83	-42.68	-42.58		-42.52	-42.55	-42.55
	-40.91	-42.68	-43.53	-43.43		-43.37	-43.40	-43.40
	-41.76	-43.53	-44.38	-44.28		-44.22	-44.25	-44.25
	-42.61	-44.38	-45.23	-45.13		-45.07	-45.10	-45.10
	-43.46	-45.23	-46.08	-45.98		-45.92	-45.95	-45.95
	-44.31	-46.08	-46.93	-46.83		-46.77	-46.80	-46.80
	-45.16	-46.93	-47.78	-47.68		-47.62	-47.65	-47.65
	-46.01	-47.78	-48.63	-48.53		-48.47	-48.50	-48.50
	-46.86	-48.63	-49.48	-49.38		-49.32	-49.35	-49.35
	-47.71	-49.48	-50.33	-50.23		-50.17	-50.20	-50.20
	-48.56	-50.33	-51.18	-51.08		-51.02	-51.05	-51.05
	-49.41	-51.18	-52.03	-51.93		-51.87	-51.90	-51.90
	-50.26	-52.03	-52.88	-52.78		-52.72	-52.75	-52.75
	-51.11	-52.88	-53.73	-53.63		-53.57	-53.60	-53.60
	-51.96	-53.73	-54.58	-54.48		-54.42	-54.45	-54.45
	-52.81	-54.58	-55.43	-55.33		-55.27	-55.30	-55.30
	-53.66	-55.43	-56.28	-56.18		-56.12	-56.15	-56.15
	-54.51	-56.28	-57.13	-57.03		-56.97	-57.00	-57.00
	-55.36	-57.13	-57.98	-57.88		-57.82	-57.85	-57.85
	-56.21	-57.98	-58.83	-58.73		-58.67	-58.70	-58.70
	-57.06	-58.83	-59.68	-59.58		-59.52	-59.55	-59.55
	-57.91	-59.68	-60.53	-60.43		-60.37	-60.40	-60.40
	-58.76	-60.53	-61.38	-61.28		-61.22	-61.25	-61.25
	-59.61	-61.38	-62.23	-62.13		-62.07	-62.10	-62.10
	-60.46	-62.23	-63.08	-63.03		-62.97	-63.00	-63.00
	-61.31	-63.08	-63.93	-63.88		-63.82	-63.85	-63.85
	-62.16	-63.93	-64.78	-64.73		-64.67	-64.70	-64.70
	-63.01	-64.78	-65.63	-65.63		-65.57	-65.60	-65.60
	-63.86	-65.63	-66.48	-66.48		-66.42	-66.45	-66.45
	-64.71	-66.48	-67.33	-67.33		-67.27	-67.30	-67.30
	-65.56	-67.33	-68.18	-68.18		-68.12	-68.15	-68.15
	-66.41	-68.18	-69.03	-69.03		-68.97	-69.00	-69.00
	-67.26	-69.03	-69.88	-69.88		-69.82	-69.85	-69.85
	-68.11	-69.88	-70.73	-70.73		-70.67	-70.70	-70.70
	-68.96	-70.73	-71.58	-71.58		-71.52	-71.55	-71.55
	-69.81	-71.58	-72.43	-72.43		-72.37	-72.40	-72.40
	-70.66	-72.43	-73.28	-73.28		-73.22	-73.25	-73.25
	-71.51	-73.28	-74.13	-74.13		-74.07	-74.10	-74.10
	-72.36	-74.13	-74.98	-74.98		-74.92	-74.95	-74.95
	-73.21	-74.98	-75.83	-75.83		-75.77	-75.80	-75.80
	-74.06	-75.83	-76.68	-76.68		-76.62	-76.65	-76.65
	-74.91	-76.68	-77.53	-77.53		-77.47	-77.50	-77.50
	-75.76	-77.53	-78.38	-78.38		-78.32	-78.35	-78.35
	-76.61	-78.38	-79.23	-79.23		-79.17	-79.20	-79.20
	-77.46	-79.23	-80.08	-80.08		-80.02	-80.05	-80.05
	-78.31	-80.08	-80.93	-80.93		-80.87	-80.90	-80.90
	-79.16	-80.93	-81.78	-81.78		-81.72	-81.75	-81.75
	-80.01	-81.78	-82.63	-82.63		-82.57	-82.60	-82.60
	-80.86	-82.63	-83.48	-83.48		-83.42	-83.45	-83.45
	-81.71	-83.48	-84.33	-84.33		-84.27	-84.30	

Monmouth Drive Grades

S	N	BM 17214	PC
E.L. North Shore Highlands 189.87		184.60	
42.41 N on S = 810 out 185.59	186.10	183.24	
50' N of road 181.13	181.66	179.68	
100' N 176.67	177.22	178.75	
120.65' N - PC 173.00	173.60	178.53	
124.1' N of PC 171.37	31.15' out 172.10	178.68	
24.95' N 169.74	66.30' out 170.60	178.51	
37.38' N - EC 168.10	93.44' out 168.10	178.51	
50' N of EC 161.14	161.89	178.51	
100' 154.19	154.67	178.51	
150' 147.21	147.45	178.51	
172.17 - PC on S 144.10	out 142.62	178.51	
197.62 - PC on N 140.60		178.51	

202.52
1.27
311.04

85' Top
Monmouth
+ E.H. Line
North Shore
Highlands

10
1.3
9.3

555
423
-1.32
519
23
0.76

5.77
4.23
-1.54
2.73

36

7-27-17

N	S	N	S	N	S	N	S
186.10	81.23	77.62	80.23	81.56	70.10	63.10	
85.59	81.13	76.67	73.00	71.27	69.74	65.10	
54.67	49.25	40.60	44.19	44.19	44.19	44.19	
143.50	1.84	2.66	1.84	2.66	1.84	2.66	
139.50	5.84						

44.93	44.17	40.10	40.75	41.40	42.05	42.70	43.35	44.00	12.20	44
4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83
5.54	5.54	5.54	5.54	5.54	5.54	5.54	5.54	5.54	5.54	5.54
-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71

155.18 BM	PC 1194	PC	201.26 BM
156.33	144.00	168.00	173.00
156.77		69.25	187.27
159.77		70.50	2.86
169.19		71.75	7.54
168.02		72.00	7.83
171.02		72.25	8.12
181.05		72.50	8.41
180.40		72.75	8.70
171.83		73.00	9.00
		73.25	9.30
		73.50	9.60
		73.75	9.90
		74.00	10.20
		74.25	10.50
		74.50	10.80
		74.75	11.10
		75.00	11.40
		75.25	11.70
		75.50	12.00
		75.75	12.30
		76.00	12.60
		76.25	12.90
		76.50	13.20
		76.75	13.50
		77.00	13.80
		77.25	14.10
		77.50	14.40
		77.75	14.70
		78.00	15.00
		78.25	15.30
		78.50	15.60
		78.75	15.90
		79.00	16.20
		79.25	16.50
		79.50	16.80
		79.75	17.10
		80.00	17.40
		80.25	17.70
		80.50	18.00
		80.75	18.30
		81.00	18.60
		81.25	18.90
		81.50	19.20
		81.75	19.50
		82.00	19.80
		82.25	20.10
		82.50	20.40
		82.75	20.70
		83.00	21.00
		83.25	21.30
		83.50	21.60
		83.75	21.90
		84.00	22.20
		84.25	22.50
		84.50	22.80
		84.75	23.10
		85.00	23.40
		85.25	23.70
		85.50	24.00
		85.75	24.30
		86.00	24.60
		86.25	24.90
		86.50	25.20
		86.75	25.50
		87.00	25.80
		87.25	26.10
		87.50	26.40
		87.75	26.70
		88.00	27.00
		88.25	27.30
		88.50	27.60
		88.75	27.90
		89.00	28.20
		89.25	28.50
		89.50	28.80
		89.75	29.10
		90.00	29.40
		90.25	29.70
		90.50	30.00
		90.75	30.30
		91.00	30.60
		91.25	30.90
		91.50	31.20
		91.75	31.50
		92.00	31.80
		92.25	32.10
		92.50	32.40
		92.75	32.70
		93.00	33.00
		93.25	33.30
		93.50	33.60
		93.75	33.90
		94.00	34.20
		94.25	34.50
		94.50	34.80
		94.75	35.10
		95.00	35.40
		95.25	35.70
		95.50	36.00
		95.75	36.30
		96.00	36.60
		96.25	36.90
		96.50	37.20
		96.75	37.50
		97.00	37.80
		97.25	38.10
		97.50	38.40
		97.75	38.70
		98.00	39.00
		98.25	39.30
		98.50	39.60
		98.75	39.90
		99.00	40.20
		99.25	40.50
		99.50	40.80
		99.75	41.10
		100.00	41.40

End of Comb N 186.62

5.81

4.75

+0.76

End of rd S 188.27

0.67

188.25

3.48

4.91

-1.43

133.33
~~1.33~~
 134.66

S. de Wilbar
 123.50

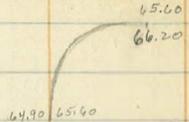
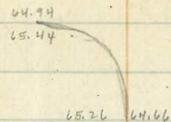
8 Prop line
 123.75
~~10.97~~
~~10.70~~
 10.21

45'2
 End Box
 126.40
~~7.86~~
~~7.98~~
 -0.12

10.98
 11.24
~~12.26~~
~~11.13~~
 10.53

w. b. h. r. h. a. m.
 134.70

65.75 Diamond Paving



51.64 BM
31.40
55.04

5.14
49.70

SW
50.00
5.04
4.16
40.86

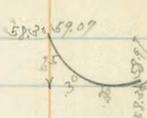
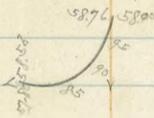
4.04
51.00

NW
4.04
3.19
10.85

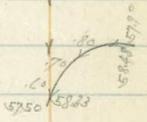
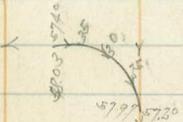
3.03
57.01

NE
52.00
3.04
2.36
40.28

51.00
4.04



Emerald



BM SE Emerald
60.37

ST

BPK
911.4

57.00 50.30

51.20 52.01

Felspar



Fabuel

41.15 45.60

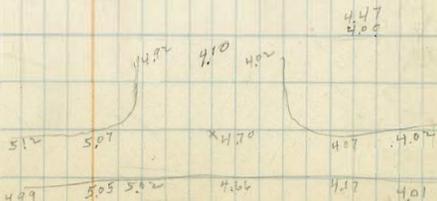
46.50 47.25

45.40 46.00

46.50 47.04

45.50 Paving

Garnet



Sewer Grades North Shore Highlands

Monmouth Drive

189.80

00-PE 4-46.25		4.06	185.74	179.00	+ 6.74	
+46.25		7.42	182.38	75.25	+ 7.13	
+92.50 T.P.	0.46	178.43	11.88	177.97	71.50	+ 6.47
+138.75		14.50	173.93	67.75	+ 6.18	
1-85 M.H. #8 3-49.6		8.07	170.36	164.00	+ 6.00	
+234.6 T.P.	0.47	160.46	12.46	165.97	57.67	+ 8.30
+284.2		7.53	158.93	51.33	+ 7.60	
T.P. 2.90	156.90	12.46	154.00			
+333.7 M.H. #7 1-68.3		5.30	141.60	145.00	+ 6.60	
0.44	145.11	12.23	144.67			
+402 M.H. #6		3.26	141.85	133.00	+ 8.85	

201.26
8.93
202.19
12.81
189.38
0.42
189.80

43

154.90	SPURS from MH #7 #6		
0.85	156.05	147.90	+ 8.15
12.23	144.67	137.40	+ 7.27

Ditches for drainage

West of North Shore Highlands

Missouri		LAW	
S.gutter only		N	S
+50	+ 1.1	0+50	+1.4 +1.4
1+00	+ 0.5	1+00	0.0 0.0
1+50	+ 0.4		
2+00	0.0	Beryl	
		N	S
Chalcedony	0+50	+0.7	+0.6
S.gutter only	1+00	0.0	0.0
0+50	+0.8		
1+00	+0.6	Wilbur	
1+50	+0.4	N	S
		1+40	+1.3 +0.4
2+00	0.0	0+80	0.0 0.0

Grades for Alley Block 75
University Heights

0+00 = N.L. Meade Ave

	W.L.	E.L.
0+00 (returns in)	311.4	311.77
0+20 BK on East	311.47	311.8
+58	311.60	311.9
+96	311.73	312.0
1+34 1/2	311.87	312.1
1+72	312.	312.2
2+10	312.13	312.3
+48	312.27	312.4
+86	312.40	312.5
3+24	312.53	312.6
+62	312.66	312.7
4+00 BK	312.8	312.8
+33 1/2	313.53	313.53
+66 2/3	314.26	314.26
5+00 E.L. only BK	315.0	315.0
+44.17		317.65
		320.30
5+88.54 = SL Mission Blvd on East		
5+00	315.0	
+37.61 W.L. only		317.65
+75.22		320.30
= SL M.B. on West		

See next page for grades

E.L.	311.7	311.8	311.9	312.0	312.1	312.2
	4.03	4.93	4.83	4.73	4.25	4.15
	4.40	4.40	4.42	4.54	4.42	4.96
	11.55	4.23	4.41	4.19	4.17	4.81
	312.3	312.4	312.5	312.6	312.7	312.8
	4.05	6.51	6.41	6.31	8.99	8.89
	4.39	5.95	4.97	6.04	9.78	8.30
	-34	+5.6	+1.44	+2.7	-1.19	+5.9
	313.53	314.26	315.0	317.65	320.30	
	8.16	7.93	6.69	4.04	5.71	
	7.90	5.90	6.4	2.98	4.41	
	+2.6	+1.53	+5.5	+1.06	+1.30	

W.L.	311.4	311.47	311.60	311.73	316.35
	5.33	5.26	4.93	5.00	4.48
	4.63	4.59	5.23	6.00	5.86
	4.71	4.67	0.29	1.00	1.38
	312.0	312.13	312.27	312.40	
	4.35	4.22	4.08	6.51	
	6.15	4.93	3.83	5.68	
	-1.80	-7.1	+2.5	+7.89	
	312.53	312.66	312.8	313.53	
	6.38	9.03	8.89	8.16	
	7.19	8.52	8.75	5.08	
	-1.81	+1.14	+4.44	+3.08	
	314.26	315.0	317.65		
	1.43	6.69	4.04		
	4.92	2.80	1.52		
	+2.51	+3.89	+2.52		
	320.30				
	1.39				
	1.64				
	+7.5				

B.M. 34201	312.36	318.91
7.71	4.37	6.35
349.72	316.73	312.56
13.05	5.37	9.13
336.67	311.36	321.69
0.38	4.94	0.47
337.05	316.35	321.22
12.86	3.91	4.79
324.19	312.94	326.01
0.97	5.97	
325.16	318.91	
12.80		
312.36 = 312.08		

BM N.W.B.R Meade + Park Blvd 342.01

EL

311.7	311.8	311.9	312.0	312.1	312.2	312.3	312.4
5.07	4.97	4.87	4.77	4.67	4.57	4.47	5.25
4.09	5.02	4.74	4.85	5.12	5.59	5.03	5.50
+98	-05	+13	-08	-45	-1.02	-56	+29
312.5	312.6	312.7	312.8	313.53	314.26		
5.75	5.65	5.55	5.45	4.72	3.99		
4.58	5.65	0.00	5.09	4.65	2.60		
+1.17	.00	-44	+0.36	+1.01	+1.39		
315.0	317.65	320.30					
12.20	7.55	4.90					
12.84	6.70	3.82					
+3.6	+85	+1.08					

WL

311.4	311.7	311.60	311.73	311.87	312.0
6.37	5.30	5.17	5.04	4.90	4.77
4.92	4.91	5.54	0.31	6.55	6.80
+45	+39	+37	-1.27	-1.65	2.03
312.13	312.27	312.40	312.53	312.66	
4.64	5.98	5.85	5.72	5.59	
5.39	6.01	6.32	6.81	5.71	
+95	-03	+55	-1.09	-1.17	
312.8	313.53	314.26	315.0	317.65	
5.45	4.72	3.99	7.02	7.55	
5.23	1.81	1.66	6.51	5.24	
+2.2	+7.91	+2.38	+3.69	+7.31	
320.30					
9.90					
4.36					
+54					

BM 342.01	312.08	320.94	312.08
7.42	4.37	4.79	4.69
349.43	316.45	325.73	316.77
12.83	5.37	0.21	5.02
336.60	311.88	325.52	311.75
5.6	4.99	12.50	6.50
337.16	316.07	338.02	318.25
12.93	3.41	0.33	1.10
324.23	312.66	337.69	317.15
0.91	5.97	11.83	8.05
324.64	318.63	344.52	325.20
9.66	6.33	7.42	8.41
314.98	312.28	342.10	316.79
1.77	4.13		0.76
315.75	321.47	BM 342.01	317.55
3.67	0.47		5.25
312.08	320.94	.09	312.30
			312.08
			.22

	NL	SL
2700	10.96	9.96
2750	11.15	10.15
3700	11.34	10.34
3750	11.53	10.53
4700	11.72	10.72
4750	11.91	10.91
5700	12.10	11.10
5750	12.30	11.30
EL. UTA.	12.50	11.50
N.L. UTA.	12.0	11.0

SL Main St. To SL Filbert + 160⁵⁵

	N.L.	E.L.	
SL Main	10.0'	9.5	{Main Vista B.M. NWBP 1569
0+46 ² / ₃	9.65'	9.18	5.09 2478 892
0+93 ¹ / ₃	9.30'	8.87	11.86 626
1+40	8.94'	8.56	>18.12 11.68
1+60	8.80'	8.43	6.74 352
2+06 ² / ₃	8.44'	8.12	>9.96 35 9.61
2+53 ¹ / ₃	8.09'	7.81	8.24 >17.85 372
3+00 = NL Filbert	7.70'	7.5	15.13 264
0+00 = SL Filbert	7.2	7.2	>17.77 548
0+20	8.4	8.4	12.29 446
0+40	9.5	9.5	>16.75 191
0+60	10.4	10.4	14.84 456
0+80	11.0	11.0	>19.40 826
0+100	11.2	11.2	11.14 198
1+60 ⁵⁵	11.6	11.6	>16.12

18.50	11.10	11.3	11.5	11.7	11.9
5.12	5.02	4.82	4.62	4.80	6.60
-6.16	6.01	6.08	5.92	6.87	6.69
-1.0	-.99	-1.30	-1.30	+1.3	-.99

12.1	12.3	12.5	12.0
6.40	4.70	4.5	5.0
5.07	2.73	2.69	3.05
+1.33	+1.97	+1.86	+1.93

South

18.5	10.2	10.3	10.5	10.7
6.12	5.92	5.82	5.62	7.80
4.60	6.06	5.51	2.47	4.22
-.98	-.74	+1.31	+3.18	+3.58

10.9	11.1	11.3	11.5	12.0
7.60	7.40	7.20	7.00	11.0
4.27	5.11	5.30	5.21	6.0
+0.93	+2.29	+1.90	+1.71	+9.26
				+1.24

s.l. Main to SL Filbert + 160⁵⁵

W.L. West

18.12	10.0	9.65	9.3	8.9	8.8	8.4	8.1	7.7	7.7	17.77
8.12	8.47	8.82	9.22	9.32	9.72	10.02	10.07	10.57	10.57	238
6.68	7.85	9.36	8.35	8.01	5.26	1.92	1.0	2.38	2.38	
+1.44	+1.64	-.54	+1.87	+1.31	+4.46	+8.10	+9.1	+8.19	+8.19	

8.4	9.5	10.4	11.0	11.2	11.6
9.45	8.35	7.45	06.85	6.65	6.25
2.55	2.81	3.22	3.61	3.85	4.76
+6.90	+5.54	+4.23	+3.21	+2.80	+1.49

East

13.12	9.5	9.2	8.9	8.6	8.4	8.10	7.8	17.77
8.62	8.92	9.22	9.52	9.72	10.02	10.02	10.32	10.27
7.07	8.22	8.62	9.35	9.58	9.62	9.62	8.54	6.84
+1.55	+1.70	-.60	+1.17	+1.4	+1.2	+1.78	+1.78	+3.43

17.77	7.2	8.4	9.5	10.4	11.0	11.2	11.6
10.57	9.45	8.35	7.45	6.85	6.65	6.25	6.25
1.56	1.84	2.26	2.41	2.87	3.19	3.89	3.89
+9.01	7.61	+6.09	+5.04	+3.98	+3.46	+2.30	+2.30

Filbert
UHA to Thor

48

N.L.

Grades Filbert St UHA to Thor

	N.L.	S.L.		12.0	11.75	11.50	11.25	11.0	10.75	10.50	9.75
W.L. UHA	12.0	11.0		17.0	5.25	5.50	5.75	5.84	6.09	6.34	7.09
0+50	11.75	10.75		4.13	4.30	4.06	3.86	3.66	3.81	3.75	
1+00	11.50	10.50	16.12	+1.12	+1.20	+1.69	+2.35	+2.43	+2.53	+3.17	
1+50	11.25	10.25	3.58								
2+00	11.0	10.0	12.54								
2+50	10.75	9.75	5.96								
3+00 = 8th	10.50	9.50	18.50								
3+50	9.75	8.91	4.00								
4+00	9.05	8.33	14.50								
4+50	8.25	7.75	2.50								
5+00	7.50	7.16	17.00								
5+50	6.75	6.58	10.25								
6+00 = EL THOR	6.0	6.00	6.00								
SL Filbert	Vista Filbert to Main										
N.L. Filbert	10.7	10.0	17.00								
0+50	11.0	10.91	5.67								
1+00	11.8	11.83	11.33								
1+40	12.44	12.56	5.51								
1+60	12.76	12.93	10.92								
2+00	13.40	13.66	9.88								
2+50	14.20	14.57	4.34								
3+00	15.00	15.50	8.85								

Vista Filbert to Main

N.L.

	N.L.	S.L.		9.2	10.2	11.0	11.8	12.44	12.76
0+50	11.0	10.91		9.20	9.20	8.40	7.60	6.96	6.64
1+00	11.8	11.83		8.36	7.93	7.33	6.72	5.56	5.44
1+40	12.44	12.56		+1.84	+1.27	+1.02	+.88	+1.40	+1.20
1+60	12.76	12.93							
2+00	13.40	13.66							
2+50	14.20	14.57							
3+00	15.00	15.50							

Calvert at EL Wodan + 200' East

EL Wodan + 189' East = West end of cb inlet EL 5.74

EL " + 200' East = East end cb inlet EL 5.70

Flowline pipe at 200 = EL 1.45

" " pipe at 220 = EL -0.5

not cut stakes
B.M. S.W. Stub
Fibert + Wodan

15.13
+ 1.29
16.37
12.85
3.52
7.05
10.57

16.37
5.74
10.63
11.55
-1.92

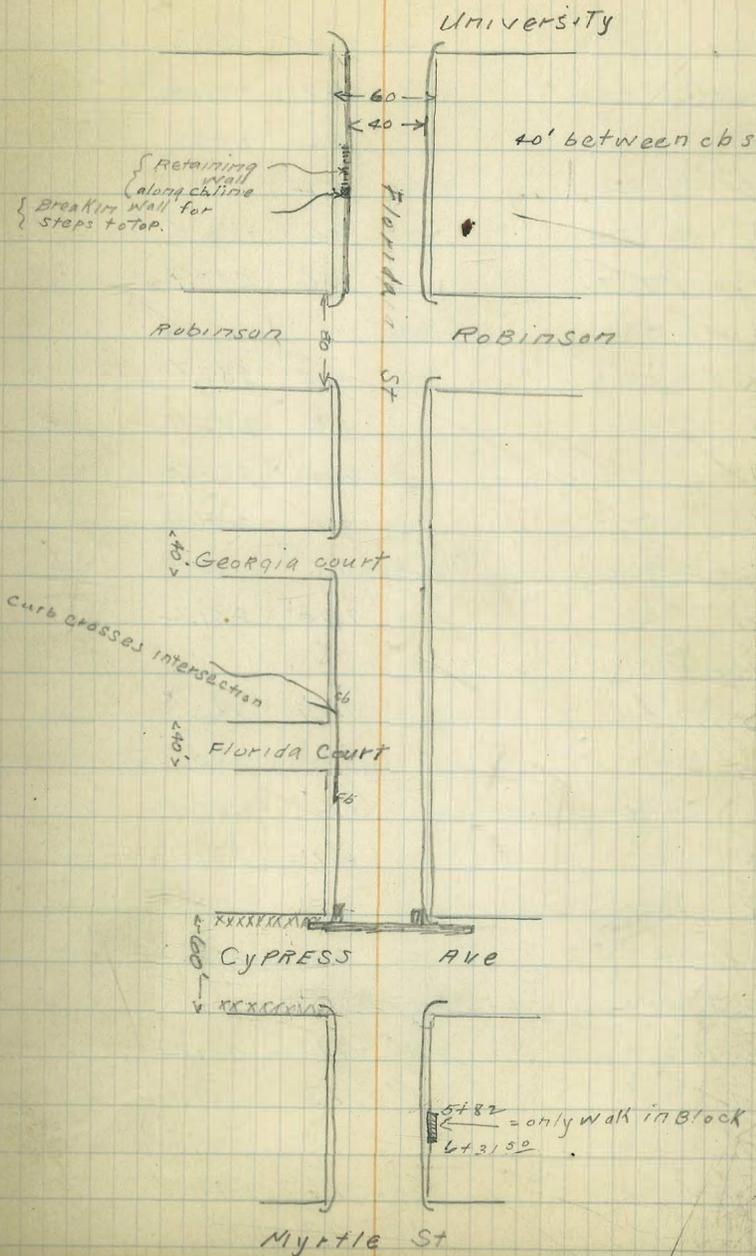
16.37
5.70
10.67
12.85
-2.18

10.57
-0.50
11.07
10.57
+1.50

Memo

Xsec Florida
 University to Myrtle
 0+00 = S.L. University
 B.M. Florida & University S.W.B.R. 287.08

T.P.	123	288.31	
0+00	on paving	2.05	286.26
$\frac{1}{4}$		2.36	285.95
$\frac{1}{2}$		2.81	285.5
$\frac{3}{4}$		3.61	284.70
E Gut		4.76	283.55
E cb		4.42	283.9
0+50			
E cb		5.10	283.2
Gut		5.5	282.8
$\frac{1}{4}$		4.8	283.5
$\frac{1}{2}$		3.6	284.7
$\frac{3}{4}$		3.2	285.1
Wall on ground		3.0	285.3
1+00			
Wall		3.8	284.5
$\frac{1}{4}$		3.9	284.4
$\frac{1}{2}$		4.5	283.8
$\frac{3}{4}$		5.5	282.8
Gut		6.2	282.1
E cb		5.79	282.5
1+50			



288.31

E cb	6.38	281.9
Gut	6.9	281.4
$\frac{1}{4}$	6.2	282.1
$\frac{1}{4}$	5.2	283.1
$\frac{1}{4}$	4.8	283.5
Wall	4.6	283.7
2+00		
Wall	5.5	282.8
$\frac{1}{4}$	5.6	282.7
$\frac{1}{4}$	6.0	282.3
$\frac{1}{4}$	6.9	281.4
Gut	7.6	280.9
E cb	7.10	281.2
2+50		
Ecb	7.79	280.5
Gut	8.3	280.0
$\frac{1}{4}$	7.6	280.7
$\frac{1}{4}$	6.7	281.6
$\frac{1}{4}$	6.3	282.0
Wall	6.3	282.0
3+04 = 11' Break in cb. for drive on East		
Wall	7.1	281.2
$\frac{1}{4}$	7.3	281.0
$\frac{1}{4}$	7.8	280.5
$\frac{1}{4}$	8.6	279.7
Gut	9.3	279.0

288.31

E cb	8.60	279.7
T.P.	1.12	281.76
7.67		280.64
3+50		
E cb	2.59	279.2
Gut	3.3	278.5
$\frac{1}{4}$	2.6	279.2
$\frac{1}{4}$	1.8	280.0
$\frac{1}{4}$	1.5	280.3
Wall	1.2	280.6
3+95 = $\frac{1}{4}$ con. drive on East		
Wall	2.3	279.5
$\frac{1}{4}$	2.3	279.5
$\frac{1}{4}$	2.6	279.2
$\frac{1}{4}$	3.4	278.4
Gut on drive	3.76	278.0
4+11 = $\frac{1}{4}$ con. drive on East		
Gut on drive	3.96	277.86
4+50		
E cb	4.02	277.7
Gut	4.9	276.9
$\frac{1}{4}$	4.1	277.7
$\frac{1}{4}$	3.4	278.1
$\frac{1}{4}$	3.1	278.7
Wall	3.0	278.8
4+95 $\frac{1}{4}$ con. drive on East		
Wall	4.1	277.7

28176

$\frac{1}{4}$	3.8	278.0
$\frac{1}{2}$	4.1	277.9
$\frac{1}{4}$	4.7	277.1
Gut (on drive)	5.17	276.6
5+44 = 2 corr drive on East		
Gut (on drive)	5.78	276.0
Gut on ground	6.2	275.6
$\frac{1}{4}$	5.6	276.2
$\frac{1}{2}$	4.9	276.9
$\frac{1}{4}$	4.7	277.1
Wall	4.9	276.9
5792 = 2 corr drive on East		
Wall	5.7	276.1
$\frac{1}{4}$	5.5	276.2
$\frac{1}{2}$	5.6	276.2
$\frac{1}{4}$	6.3	275.5
Gut on ground	6.8	275.0
" " drive	6.53	275.2
6+44 ⁴⁰ = N.L. Robinson		
E cb	6.83	274.9
Gut	7.4	274.4
$\frac{1}{4}$	7.0	274.8
$\frac{1}{2}$	6.4	275.1
$\frac{1}{4}$	6.3	275.5
W Gut	6.4	275.4
W cb	5.71	276.0

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Curb

W.L. on cb	5.79	275.97
W.L. on ground	6.4	275.4
cb	6.8	275.0
$\frac{1}{4}$	6.6	275.2
$\frac{1}{2}$	6.5	275.3
$\frac{1}{4}$	7.1	274.7
cb	8.0	273.8
E.L. on ground	7.2	274.6
E.L. " cb	6.67	275.09
Quarter		
E.L.	7.5	274.3
cb	8.1	273.7
$\frac{1}{4}$	7.4	274.4
$\frac{1}{2}$	6.8	275.0
$\frac{1}{4}$	6.8	275.0
cb	7.0	273.8
WL	6.8	275.0
Center		
WL	6.8	274.9
cb	7.2	274.6
$\frac{1}{4}$	7.3	274.5
$\frac{1}{2}$	7.3	274.5
$\frac{1}{4}$	7.8	274.0
cb	8.6	273.2
E.L.	7.9	273.9

274.1	curb 270.1	N 275.97
gutter .62	BS. 59 ES.	.65
Quarter	S 1 1/4	275.32
	N 1/4	281.76
EL	8.7	273.1
cb	9.1	272.7
1/4	8.4	273.4
1/4	7.9	273.9
1/4	7.8	274.0
cb	7.5	274.3
wk	7.3	274.5
Curb		
wk on cb	7.70	274.1
wk on ground	7.4	274.4
cb	8.1	273.7
1/4	8.2	273.6
1/4	8.4	273.9
1/4	8.8	273.0
cb	9.4	272.4
EL on ground	9.1	272.7
EL " cb	8.72	273.0
O to 0 = S. Robinson		
E cb	8.72	273.0A ✓
Gut	9.7	272.1
1/4	9.1	272.7
1/4	8.7	273.1
1/4	8.7	273.1
Gut	8.8	273.0
w cb	7.80	273.96

T.P.	0.08	272.58	9.26	272.50
0+45 = 1/2	con drive on East			
w cb		1.11		271.47 270.5
Gut		1.9		270.7
1/4		1.8		270.8
1/4		2.0		270.6
1/4		2.2		270.4
Gut on ground		2.9		269.7
" " drive		2.57		270.0
0+92 = 1/2	con drive on East			
E Gut (on drive)		5.19		267.9
E Gut on ground		5.5		267.1
1/4		4.9		267.7
1/4		4.5		268.1
1/4		4.6		268.0
Gut		4.4		268.2
w cb		3.56		269.0
1+50				
w cb		6.92		265.6
Gut		7.8		264.8
1/4		8.0		264.6
1/4		7.6		265.0
1/4		8.2		264.4
Gut		9.0		263.6
E cb		8.03		264.5
2+00 = N. Georgia Court				

27258

E cb	10.71	26187	
Gut	11.6	261.0	
$\frac{1}{4}$	10.8	261.8	
$\frac{1}{4}$	10.2	262.4	
$\frac{1}{4}$	10.4	262.2	
Gut	10.4	262.2	
W cb	9.57	263.0	
Center			
W.L. on paving	10.80	261.8	
cb	11.3	261.3	
$\frac{1}{4}$	11.3	261.3	
$\frac{1}{4}$	11.4	261.2	
$\frac{1}{4}$	12.0	260.6	
Gut	12.9	259.7	
E cb	11.81	260.8	
T.P. 0.77	260.90	12.45	260.13
0+00 = St Georgia Court			
E cb	1.06	259.8	
Gut	2.0	258.9	
$\frac{1}{4}$	1.4	259.5	
$\frac{1}{4}$	0.7	260.2	
$\frac{1}{4}$	0.8	260.1	
Gut	0.5	260.4	
W cb .03		260.93	
0+50			
W cb	2.61	258.3	

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260,90

cb	3.4	257.5
$\frac{1}{4}$	3.5	257.4
$\frac{1}{4}$	3.6	257.3
$\frac{1}{4}$	4.2	256.7
Gut	4.7	256.2
E cb	3.74	257.16
1+00		
E cb	6.34	254.6
Gut	7.1	253.8
$\frac{1}{4}$	6.7	254.2
$\frac{1}{4}$	6.4	254.5
$\frac{1}{4}$	6.1	254.8
Gut	5.9	255.0
W cb	5.30	255.6
1+55 = $\frac{1}{4}$ con drive on West		
Gut (on drive)	8.78	252.2
$\frac{1}{4}$	9.2	251.7
$\frac{1}{4}$	9.1	251.8
$\frac{1}{4}$	9.6	251.3
Gut	10.1	250.8
E cb	9.32	251.6
2+00 ⁷⁰ = N. Florida Court (curb goes through)		
E cb	11.70	249.20
Gut	12.5	248.4
$\frac{1}{4}$	12.0	248.9
$\frac{1}{4}$	11.4	249.5

26090

‡	11.5	249.4
Gut	11.5	249.4
W cb	10.76	250.14
Center		
W L	11.3	249.6
W cb (on cb)	11.83	249.1
Gut	12.7	248.2
‡	12.6	248.3
£	12.6	248.3
‡	13.2	247.7
Gut	13.2	247.7
E cb	12.82	248.1
T.P. 085	248.54	13.21
0+00 = SK Florida Court		
E cb	15.3	247.01
Gut	2.0	246.5
‡	2.0	246.5
£	1.2	247.3
‡	1.2	247.3
Gut	1.2	247.3
W cb	0.55	247.99
0+50		
W cb	3.23	245.3
Gut	4.2	244.3
‡	4.0	244.5
£	4.0	244.5

248.54

60

‡	4.5	244.0
Gut	5.1	243.4
E cb	4.29	244.2
{0+61.50 = £ con drive on West		
Gut on drive	4.32	244.22
{0+72 = £ con drive on West		
Gut on drive	5.03	243.51
1+00		
E cb	7.00	241.5
Gut	7.4	241.1
‡	7.3	241.2
£	6.7	241.8
‡	6.6	241.9
Gut	6.8	241.7
W cb	5.98	242.6
{1+21.50 = £ con drive on East		
Gut on drive	8.76	239.78
1+50		
W cb	8.65	239.9
Gut	9.4	239.1
‡	9.5	239.0
£	9.6	238.9
‡	10.0	238.5
Gut	10.4	238.1
E cb	9.69	238.8
T.P. 210	238.30	12.34
		236.20

238,30

2+05⁸⁰ Florida St End of 20" drain running around N.W. & NE

return to Cypress			
Flow Line (N.W. Ret)	3.33	234.97	
Flow Line (N.E. Ret)	4.70	233.60	
2+09 ⁸⁰ N.W. Cypress			
E cb	2.29	236.06	
Gut	2.0	236.3	
$\frac{1}{4}$	2.2	236.1	
$\frac{1}{4}$	1.8	236.5	
$\frac{1}{4}$	1.5	236.8	
Gut	1.2	237.1	
W cb	1.48	237.02	
Curb			
WL on Flow Line Cypress St End of drain on N.W. Ret.			
FL	3.68	234.62	
W cb	1.22	237.1	
Gut	1.8	236.5	
$\frac{1}{4}$	1.7	236.6	
$\frac{1}{4}$	2.0	236.3	
$\frac{1}{4}$	2.5	235.8	
cb	2.3	236.0	
EL on Ground	2.30	236.0	
EL on cb	2.34	236.0	
Quarter			
EL	2.0	236.3	
cb	2.5	235.8	

238,30

$\frac{1}{4}$	2.6	235.7
$\frac{1}{4}$	2.1	236.2
$\frac{1}{4}$	1.9	236.4
cb	1.6	236.7
WL	1.0	237.3
Center		
WL	0.9	237.4
cb	1.4	236.9
$\frac{1}{4}$	2.0	236.3
$\frac{1}{4}$ on Man Hole	2.22	236.1
$\frac{1}{4}$	2.9	235.4
cb	3.0	235.3
EL	2.1	236.2
Quarter		
EL	2.7	235.6
cb	3.3	235.0
$\frac{1}{4}$	3.0	235.3
$\frac{1}{4}$	2.5	235.8
$\frac{1}{4}$	2.2	236.1
cb	1.8	236.5
WL	1.4	236.9
Curb		
WL on cb	2.13	236.2
WL on ground	2.2	236.1
cb	2.6	235.7

23830

+	2.4	235.9
♀	2.5	235.8
$\frac{1}{4}$	3.2	235.1
cb	3.5	234.8
{ E L on cb	3.20	235.1
{ " " on ground	3.8	234.5
0+00 = S.L. Cypress		
Ecb	3.11	235.2
Gut	3.7	234.6
$\frac{1}{4}$	3.4	234.9
♀	2.6	235.7
$\frac{1}{4}$	2.8	235.5
Gut	2.9	235.4
Wcb	2.12	236.2
0+10 BK		
Wcb	2.18	236.1
Gut	3.3	235.0
$\frac{1}{4}$	3.2	235.1
♀	3.0	235.3
$\frac{1}{4}$	3.8	234.5
Gut	4.4	233.9
Ecb	3.15	235.2
0+50		
Ecb	6.25	232.0
Gut	7.3	231.0
$\frac{1}{4}$	6.4	231.9

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2383

♀	6.0	232.3	
$\frac{1}{4}$	6.1	232.2	
Gut	6.2	232.1	
Wcb	5.27	233.0	
1+00			
Wcb	9.20	229.1	
Gut	10.0	228.3	
$\frac{1}{4}$	10.3	228.0	
♀	10.0	228.3	
$\frac{1}{4}$	10.4	227.9	
Gut	10.9	227.4	
Ecb	10.23	228.1	
T.P. 0.68	225.71	13.27	225.03
1+50			
Ecb	1.63		224.1
Gut	2.3		223.4
$\frac{1}{4}$	1.9		223.8
♀	1.9		223.8
$\frac{1}{4}$	1.3		224.4
Gut	1.3		224.4
Wcb	0.66		225.0
2+00			
Wcb	4.80		220.9
Gut	5.5		220.2
$\frac{1}{4}$	5.5		220.2
♀	5.4		220.3

225.71

$\frac{1}{4}$		6.2	219.5	
+5		7.1	218.6	
Gut		6.2	219.5	
E cb		5.71	220.0	
2+50				
E cb		9.73	216.0	
Gut		11.1	214.6	
+3		10.2	215.5	
$\frac{1}{4}$		10.0	215.7	
$\frac{1}{4}$		9.5	216.2	
$\frac{1}{4}$		9.5	216.2	
Gut		9.6	216.1	
Wcb		8.75	217.0	
T.P.	1.33	213.96	13.08	212.63
2+92				
Wcb		0.30	213.7	
Gut		1.1	212.9	
$\frac{1}{4}$		1.2	212.8	
$\frac{1}{4}$	on $\frac{1}{4}$ ManHohe	0.96	213.0	
$\frac{1}{4}$		2.2	211.8	
+5		1.5	212.5	
Gut		1.5	212.5	
E cb		1.27	212.7	
3+31=BK				
E cb		4.34	209.6	
Gut		4.4	209.6	

213.96

$\frac{1}{4}$		4.4	209.6
$\frac{1}{4}$		4.1	209.9
$\frac{1}{4}$		3.6	210.4
Gut		3.8	210.2
Wcb		3.30	210.7
4+00			
Wcb		5.52	208.4
Gut		6.3	207.7
$\frac{1}{4}$		6.4	207.6
$\frac{1}{4}$		6.3	207.7
$\frac{1}{4}$		6.9	207.1
Gut		7.2	206.8
E cb		6.35	207.6
4+41 ⁵⁰	= $\frac{1}{4}$ drive on East		
Gut on drive		8.07	205.9
$\frac{1}{4}$		8.2	205.8
$\frac{1}{4}$		7.6	206.4
$\frac{1}{4}$		7.7	206.3
Gut		8.0	206.0
Wcb		6.92	207.0
5+00			
Wcb		8.69	205.3
Gut		9.5	204.5
$\frac{1}{4}$		9.6	204.4
$\frac{1}{4}$		9.4	204.6
$\frac{1}{4}$		9.9	204.1

213,96

Gut	9.3	204.7	
E cb	9.16	204.7	
5+50			
E cb	10.65	203.3	
Gut	10.7	203.3	
+5	11.5	202.5	
$\frac{1}{4}$	11.6	202.4	
2	10.9	203.1	
$\frac{1}{4}$	11.0	203.0	
Gut	11.3	202.7	
Wcb	10.28	203.7	
6+00			
Wcb	11.87	202.1	
Gut	12.8	201.2	
$\frac{1}{4}$	12.8	201.2	
2	12.6	201.4	
$\frac{1}{4}$	13.0	201.0	
Gut	13.2	200.8	
E cb	12.19	201.8	
T.P.	2.83	203.84	
6+24 ³⁰	= 2 con drive on East	12.95	201.01
Gut on drive	32.7		
{ 6+31 ⁵⁰	= END of cb on East		
} Top cb.	2.92	200.92	OK by
6+50			
E L	2.7	201.1	



20389

64

Cb	4.0	199.8
$\frac{1}{4}$	3.7	200.1
2	3.9	199.9
$\frac{1}{4}$	4.1	199.7
Gut	4.1	199.7
Wcb	3.31	200.5
6+91		
Wcb	4.58	199.3
Gut	5.0	198.8
$\frac{1}{4}$	5.0	198.8
2	4.7	199.1
$\frac{1}{4}$	4.4	199.4
+8	4.4	199.4
Gut	4.9	198.9
Cb	4.60	199.2

Check on Man Hole cover Myrtle + Florida S.I.

198.73

25041 = flowline 19536

Top of Man hole plotted 198.6

ord. # 4659 file # 216

Florida at Myrtle

Myrtle Ave.

198.00

198.00

32489

30011

SL on walk	11.40	313.5
T.P. 0.50	312.52	12.87 312.02
1+12 = Acacia 3' inside south cb		
1+33		
NL	1.9	310.6
cb	2.5	310.0
$\frac{1}{4}$	3.7	308.8
$\frac{1}{4}$	3.9	308.6
$\frac{1}{4}$	4.3	308.2
cb	4.5	308.0
SL	5.1	307.4
1+60		
SL	9.7	302.8
cb	8.5	304.0
$\frac{1}{4}$	9.5	303.0
$\frac{1}{4}$	8.9	303.6
$\frac{1}{4}$	8.5	304.0
cb	8.3	304.2
NL	8.3	304.2
T.P. 0.33	300.11	12.74 299.78
2+00		
NL	1.6	298.5
cb	2.3	297.8
$\frac{1}{4}$	3.3	296.8
$\frac{1}{4}$	3.5	296.6
$\frac{1}{4}$	4.2	295.9

cb	4.1	296.0
SL	4.7	295.4
2+30		
SL	9.6	290.5
cb	10.0	290.1
$\frac{1}{4}$	9.8	290.3
$\frac{1}{4}$	9.7	290.4
$\frac{1}{4}$	8.7	290.4
cb	7.5	292.6
NL	7.2	292.9
T.P. 0.05	287.22	12.94 287.17
2+65 = $\frac{1}{4}$ dwelling on North 1.5' in street		
2+80		
NL	2.1	285.1
cb	2.5	284.7
$\frac{1}{4}$	4.3	282.9
$\frac{1}{4}$	4.7	282.5
$\frac{1}{4}$	4.7	282.5
cb	4.9	282.3
SL	4.4	282.8
2+95		
SL	7.3	279.9
cb	7.1	280.1
$\frac{1}{4}$	8.0	279.2
$\frac{1}{4}$	7.0	280.2
$\frac{1}{4}$	6.7	280.5

287.22

cb	4.9	282.3
NL	4.0	283.7
3 + 09 ⁵⁰ = W.L. Florida		
N cb	9.23	278.0
Gut	9.2	278.0
$\frac{1}{4}$	9.9	277.3
$\frac{1}{4}$	9.8	277.4
$\frac{1}{4}$	9.8	277.4
Gut	10.3	276.9
S cb	10.27	277.0 = 276.95
Curb		
SL (on cb)	10.35	276.9
SL on ground	11.1	276.1
cb	10.8	276.4
$\frac{1}{4}$	10.4	276.8
$\frac{1}{4}$	10.4	276.8
$\frac{1}{4}$	10.5	276.7
cb	10.3	276.9
NL on ground	9.7	277.5
NL on cb	9.28	277.9
Quarter		
NL	10.0	277.2
cb	10.3	276.9
$\frac{1}{4}$	10.4	276.8
$\frac{1}{4}$	10.5	276.7
$\frac{1}{4}$	10.9	276.3

287.22

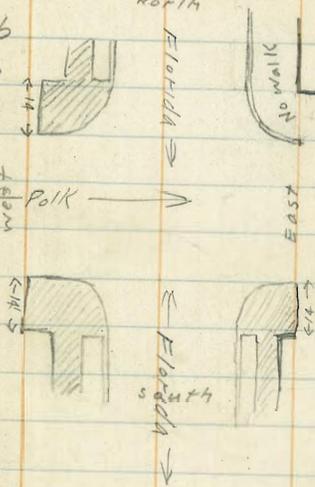
cb	10.9	276.3
SL	11.1	276.1
Center		
SL	11.2	276.0
cb	11.1	276.1
$\frac{1}{4}$	11.0	276.2
$\frac{1}{4}$	10.7	276.5
$\frac{1}{4}$	10.6	276.5
cb	10.9	276.8
NL	10.2	277.0
Quarter		
NL	10.6	276.6
cb	10.8	276.4
$\frac{1}{4}$	11.0	276.2
$\frac{1}{4}$	11.4	275.8
$\frac{1}{4}$	11.7	275.5
cb	11.9	275.3
SL	11.8	275.4
Curb		
SL on cb	11.32	275.9
SL on ground	11.7	275.5
cb	11.4	275.8
$\frac{1}{4}$	11.3	275.7
$\frac{1}{4}$	10.9	276.3
$\frac{1}{4}$	10.6	276.6
cb	10.5	276.7

287.22

NL on ground 10.5 276.7
 " NL " cb 10.35 276.9

0+00 = EL Florida

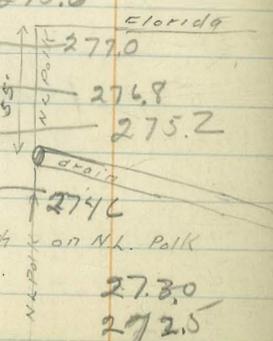
Ncb 10.36 276.8
 Gut 10.5 276.7
 $\frac{1}{4}$ 10.9 276.3
 ϕ 11.0 276.2
 $\frac{1}{4}$ 11.6 275.6
 Gut 11.3 275.9
 S cb 11.30 275.9



0+10
 SL 12.9 274.3
 cb 13.2 274.0
 $\frac{1}{4}$ 12.4 274.8
 ϕ 11.6 275.6
 +6 10.2
 $\frac{1}{4}$ 10.4
 cb 12.0
 NL 12.6

0+35 = outlet of 24" drain from North on NL Polk

Top of Pipe 14.25 273.0
 cb 14.7 272.5
 $\frac{1}{4}$ 14.0 273.2



68

287.22

ϕ 14.4 272.9
 $\frac{1}{4}$ 14.5 272.7
 cb 14.7 272.5
 SL 14.8 272.4
 1+00
 SL 12.6 274.6
 cb 12.7 274.5
 $\frac{1}{4}$ 12.7 274.5
 ϕ 11.9 275.3
 $\frac{1}{4}$ 12.1 275.1
 cb 12.2 275.0
 NL 12.1 275.1

1+25 = ϕ drive on south

NL 11.3 275.9
 cb 10.4 276.8
 $\frac{1}{4}$ 10.1 277.1
 ϕ 9.9 277.3
 $\frac{1}{4}$ 10.7 276.5
 cb 10.7 276.5
 +8 = driveway 10.50 276.7
 SL 10.6 276.6

1+37 = 2' Walk on South

SL on walk 9.48 277.7
 +5 End of walk 9.49 277.7
 cb 9.0 278.2
 $\frac{1}{4}$ 8.9 278.3

287.22

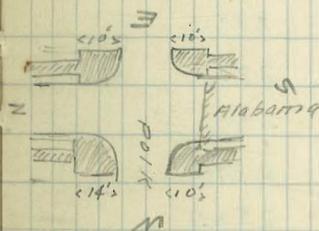
±	8.6	278.6
$\frac{1}{7}$	8.7	278.5
cb	8.8	278.4
+7	11.0	276.2
NL	10.6	276.6
1+70		
NL	6.8	280.4
+5	7.4	279.8
cb	6.1	281.1
$\frac{1}{7}$	6.0	281.2
±	6.6	280.6
$\frac{1}{7}$	6.6	280.6
cb	6.6	280.6
+7	6.7	280.5
SL	6.6	280.6
2+20		
SL	3.7	283.5
cb	4.3	282.9
+2	3.4	283.8
$\frac{1}{7}$	3.2	284.0
±	3.2	284.0
$\frac{1}{7}$	3.8	283.4
cb	3.9	283.3
NL	4.2	283.0
2+50 = Caragoon North		
NL	2.20	285.0

69

287.22

+4 on Apron	2.25	285.0
cb	1.8	285.4
$\frac{1}{7}$	1.6	285.6
±	1.2	286.0
$\frac{1}{7}$	0.5	286.7
cb	1.4	285.8
SL	2.0	285.2
T.P. 12.80 299.76	0.20	286.96
2+80		
SL	12.6	287.2
cb	11.3	288.5
$\frac{1}{7}$	11.3	288.5
±	11.2	288.6
$\frac{1}{7}$	12.7	287.1
cb	12.6	287.2
NL	13.1	286.7

3+10 = W.L. Alabarra



Ncb	10.84	289.0
Gut	10.8	289.0
+6	12.0	287.8
$\frac{1}{7}$	11.2	288.6

299.76

£	10.9	288.9
$\frac{1}{4}$	10.6	289.2
Gut	9.8	288.0
s cb	9.83	290.4

Curb

SL (on cb)	9.78	290.0
SL on paving	10.38	289.4
cb	10.9	288.9
$\frac{1}{4}$	11.0	288.8
£	11.1	288.7
$\frac{1}{4}$	11.2	288.6
cb	11.3	288.5
NL on ground	11.5	288.3
NL on cb	10.81	289.0

Quarter

NL	11.2	288.6
cb	11.1	288.7
$\frac{1}{4}$	10.8	289.0
£	10.7	289.1
$\frac{1}{4}$	10.7	289.1
cb	10.4	289.4
S.L. on paving	9.82	290.0

Center

SL on paving	9.58	290.2
cb	9.7	290.1
$\frac{1}{4}$	10.0	289.8

299.76

70

£ on ManHole	9.88	289.9
$\frac{1}{4}$	10.2	289.6
cb	10.5	289.3
NL	10.3	289.5

Quarter

NL	10.3	289.5
cb	10.4	289.4
$\frac{1}{4}$	10.2	289.6
£	10.0	289.8
$\frac{1}{4}$	9.8	290.0
cb	9.8	290.0
SL on paving	9.44	290.3

Curb

SL on cb	8.82	291.0
SL on paving	9.59	290.2
cb	9.7	290.1
$\frac{1}{4}$	10.0	289.8
£	10.2	289.6
$\frac{1}{4}$	10.3	289.5
cb	10.2	289.6
NL on ground	10.1	289.7
NL on cb	9.81	290.0

0+00 = EL Alabama

N.cb	9.80	290.0
Gut	9.8	290.0
$\frac{1}{4}$	9.5	290.3

299.76

£		9.1	296.7	
$\frac{1}{4}$		9.3	296.5	
Gut		8.9	290.9	
S cb		8.89	290.9	
0+06				
SL		5.6	294.2	
+5		5.5	294.3	
cb		4.5	295.3	
$\frac{1}{4}$		4.5	295.3	
£		4.7	295.1	
$\frac{1}{4}$		4.8	295.0	
cb		4.3	295.5	
NL		4.9	294.9	
0+50				
NL		2.4	297.4	
cb		2.1	297.7	
$\frac{1}{4}$		2.0	297.8	
£		2.2	297.6	
$\frac{1}{4}$		2.2	297.6	
cb		2.7	297.1	
SL		3.0	296.8	
T.P	11.90	310.98	0.68	299.08
1+00				
SL		11.6	299.4	
cb		11.7	299.3	
$\frac{1}{4}$		11.4	299.6	

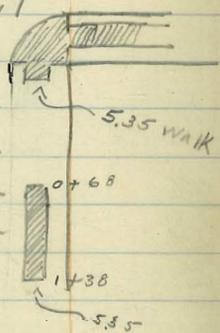
6
71

£	310.98	11.7	299.3
$\frac{1}{4}$		11.4	299.6
cb		11.2	299.8
NL		10.4	300.6
1+50			
NL		8.2	302.8
cb		8.5	302.5
$\frac{1}{4}$		8.5	302.5
£	on Man Hole	8.59	302.4
$\frac{1}{4}$		8.8	302.2
cb		8.3	302.7
SL		8.7	302.3
2+00			
SL		5.7	305.3
cb		6.5	304.5
$\frac{1}{4}$		6.8	304.2
£		6.9	304.1
$\frac{1}{4}$		6.6	304.4
cb		6.5	304.5
NL		5.9	305.1
2+50			
NL		4.2	306.8
cb		4.6	306.4
$\frac{1}{4}$		5.0	306.0
£		5.2	305.8
$\frac{1}{4}$		5.2	305.8

cb	315.12	46	310.5
SL		4.9	316.2
1+50			
SL		6.3	308.8
cb		5.7	309.4
$\frac{1}{4}$		5.7	309.4
$\frac{1}{4}$		4.7	310.4
+3	= $\frac{1}{4}$ man hole	4.20	310.9
$\frac{1}{4}$		4.2	310.9
cb		3.6	311.5
NL		2.8	312.3
2+00			
NL		4.9	310.2
cb		5.5	309.6
$\frac{1}{4}$		6.7	308.4
$\frac{1}{4}$		8.2	306.9
$\frac{1}{4}$		8.4	306.7
cb		9.4	305.7
SL		9.8	305.3
2+50			
SL		12.5	302.6
cb		12.0	303.1
$\frac{1}{4}$		11.8	303.3
$\frac{1}{4}$		11.7	303.4
$\frac{1}{4}$		10.9	304.2
cb		9.5	305.6

NL	315.12	8.1	3070	
3+00 = NL Louisiana (intersection Paved)				
T.P. 7.24	310.79	11.57	303.55	
West				
5' walk 3.37				
Parking 3.37				
cb. 6.7				
5' walk 3.37				
Parking 3.37				
cb. 6.7				
Paved				
LOUISIANA				
N cb	5' walk 3.35	cb. 6.8	8.76	302.0
gut	cb. 6.9	Parking 3.29	9.40	301.4
$\frac{1}{4}$		Walk 5.05	9.25	301.5
$\frac{1}{4}$			9.30	301.5
$\frac{1}{4}$			9.49	301.3
Gut			9.76	301.0
S cb			9.10	301.7
0+00 = EL LOUISIANA				
S cb			9.08	301.7
Gut			9.82	301.0
$\frac{1}{4}$			9.36	301.4
$\frac{1}{4}$			9.16	301.6
$\frac{1}{4}$			9.06	301.2
Gut			9.26	301.5
N cb			8.62	302.2
0+50				
NL			6.6	304.2
cb			6.4	304.4
$\frac{1}{4}$			5.7	305.7

	310.79		
L	5.7	305.1	
$\frac{1}{4}$	6.1	304.7	
cb	5.8	305.0	
SL	5.5	305.3	
0+68	start of WALK on NORTH	No curb	
SL	4.8	306.0	
cb	5.1	305.7	
$\frac{1}{4}$	5.2	305.6	
L	4.6	306.2	
$\frac{1}{4}$	4.6	306.2	
cb	4.6	306.2	
+4	on Edge WALK	306.5	
NL	4.8	306.0	
0+90			
NL	3.2	307.6	
+10	Edge of WALK	307.7	
cb	3.3	307.5	
$\frac{1}{4}$	3.9	306.9	
L	3.8	307.0	
$\frac{1}{4}$	4.0	306.8	
cb	2.7	308.1	
SL	3.0	307.8	
1+16			
SL	2.0	308.8	
cb	1.9	308.9	
$\frac{1}{4}$	1.1	309.7	



CL	310.79	1.2	309.6
$\frac{1}{4}$		1.8	309.8
cb		1.5	309.3
+4	Edge WALK	1.42	309.4
NL		1.4	309.4
T.P.	12.66 32312	0.33	310.46
{ 1+38 = End walk on North { NL+10 = Edge of WALK			
		12.43	310.8
1+50			
NL		11.9	311.2
cb		11.6	311.5
$\frac{1}{4}$		12.1	311.0
L	Man Hole	12.10	311.0
$\frac{1}{4}$		11.3	311.8
cb		11.3	311.8
SL		11.6	311.5
2+18 = garage on south (concrete floor)			
SL	-1 (on floor)	6.00	317.1
SL		6.1	317.0
cb		7.1	316.0
$\frac{1}{4}$		7.6	315.5
L		7.0	316.1
$\frac{1}{4}$		7.0	316.1
cb		7.1	316.0
NL		6.9	316.2
2+40			
NL		5.2	317.9
cb		4.9	318.2
$\frac{1}{4}$		4.8	318.3

323.12

2	WEST +	4.6	318.5
$\frac{1}{4}$		4.8	318.3
CB	South Paved North	4.8	318.3
SL		4.8	318.3
T.P.	 10.57	1.32	321.80
2480			
SL		9.9	322.5
CB		10.6	321.8
$\frac{1}{4}$		10.1	322.3
2		10.1	322.3
$\frac{1}{4}$		10.0	322.4
CB		9.6	322.8
NC		10.4	322.0
3400 ^S	W.L. TEXAS	(Paved)	
Ncb		9.39	323.0
Gut		9.83	322.5
$\frac{1}{4}$		9.38	323.0
2		9.22	323.1
$\frac{1}{4}$		9.43	322.9
Gut		9.90	322.5
Scb		9.44	322.9
0+00 = EL TEXAS	curb + WALK To W.L. HILLEY		
Scb		7.35	325.0
Gut		7.85	324.5
$\frac{1}{4}$		7.46	324.9
2		7.30	325.1

$\frac{1}{4}$	332.37	7.46	324.9	75
Gut		7.87	324.5	
Ncb		7.46	324.9	
0+50				
Ncb		6.74	325.6	
Gut		7.2	325.2	
+2		6.5	325.8	
$\frac{1}{4}$		5.7	326.7	
2		6.0	326.4	
$\frac{1}{4}$		6.3	326.1	
Gut		7.1	325.3	
J. Cb		6.85	325.5	
1+00				
Scb		6.34	326.0	
Gut		6.4	326.0	
+1		6.0	326.4	
$\frac{1}{4}$		5.6	326.8	
2		5.4	327.0	
$\frac{1}{4}$		5.1	327.3	
+11		6.0	326.4	
Gut		6.7	325.7	
Ncb		6.32	326.0	
1+40 = END OF CURB + WALK				
Ncb		5.88	326.5	
Gut		6.2	326.2	
+1		5.5	326.9	
$\frac{1}{4}$		4.8	327.6	
2		4.9	327.5	
$\frac{1}{4}$		5.1	327.3	
CB + Gut		5.97	326.4	

{ 1+50 = ϕ M.Hole
 [ϕ on M.Hole

332,27

4.57 327,7

1+70 = ϕ garage on North

NL + 05 (Back) Garage 4.1 328,2

2+00

SL 4.3 3280

cb 4.9 327,1

$\frac{1}{4}$ 4.3 3280

ϕ 4.2 328,1

$\frac{1}{4}$ 4.4 327,9

cb 4.5 327,8

NL 4.2 328,1

2+50

NL 3.9 328,4

cb 4.1 328,2

$\frac{1}{4}$ 4.9 327,9

ϕ 4.2 328,1

$\frac{1}{4}$ 4.2 328,1

cb 4.7 327,6

+4 4.1 328,2

SL 4.0 328,3

3+00 = NL Arizona

Scb 4.40 327,9

Gut 4.4 327,9

$\frac{1}{4}$ 4.7 327,6

ϕ 4.5 327,8

$\frac{1}{4}$ 4.8 327,5

Gut 4.42 327,9

76

Ncb 332,27 4.42 327,9

Section across End of pave Alley on South

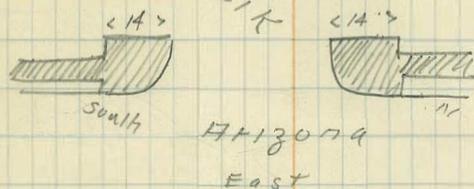
NL 5.78 326,5

ϕ 4.02 326,3

EL 5.64 326,6

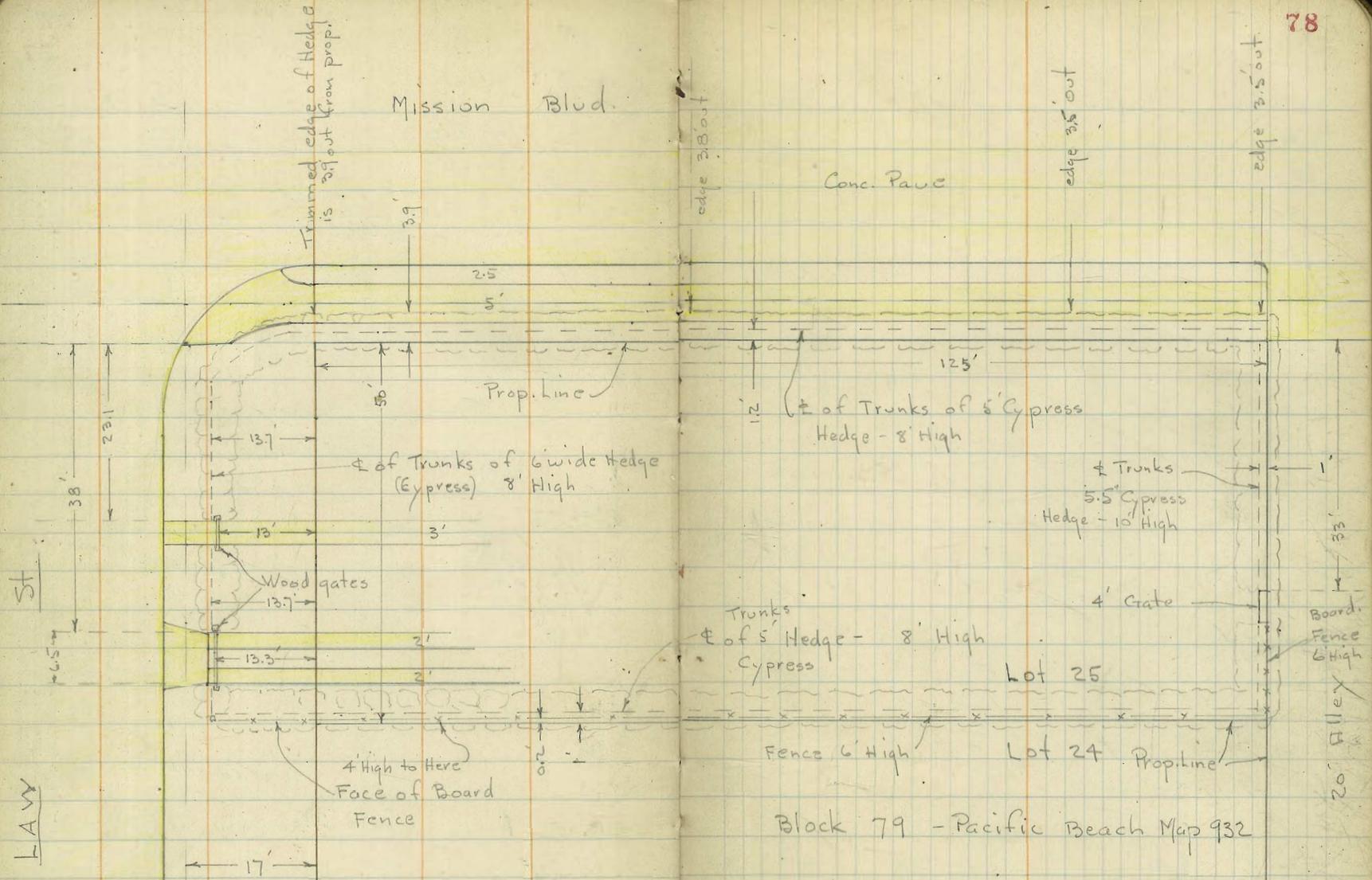
T.P. 2.47 329,96

BM. S.E.B.P. PIK+ARIZONA
 west
 329,95
 .05



Mission Blvd.

Conc. Pavc



St

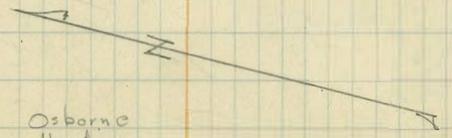
LAW

Survey for Hedge encroachments at S.W. Cor. - Law + Mission Blvd.

W.O.

10-26-50

Osborne Hardin Hatch Rimmer



Elec R.R. Grades Forward to Colima

N Line Forward	88.40
+ 50	88.22
1+00	.25
+ 50	.14
2+00	.11
250	.04
3+00	87.97
250	.90
4+00	8.3
+ 50	.75
5+00	.69
150	.62
5+90 Brk	.55
150	.27
6+90 S. line BBAV	87.00
00 N. line BBAV	86.95
+ 50	87.10
1+00 Brk	87.26
6+00 PL	86.40

S Line Forward	88.40
+ 50	.07
1+00	87.73
250	87.40
2+00	87.06
250	86.72
3+00	86.39
3+50	86.05
4+00	85.72
+ 50	85.39
4+43 $\frac{5}{8}$ Brk	85.17 End end
5+33 $\frac{5}{8}$	84.85
5+23 $\frac{5}{8}$ N. line Midway	84.00

S Line Midway	83.90
+ 50 S = Brk	84.20
100' N Brk	82.60
+ 50 X	82.30
N. line Colima	82.00
S. line Colima	81.60
137.5 S = PL	81.90
+ 0.686 % S. of P.L.	

84.90
0.89
84.01
4.01
88.02
5.54
82.48
3.17
85.36
83.90
4.12
84.20
2.82
87.10
3.72
82.40
2.76
82.54
Track S. Col
3.16
82.14
81.60
3.70
3.00 Rail P.L.
82.30

N. Long Midway

TP
84.00

83.90 84.50

B. Line B.R. Add

82.49 Rail

0.686 to grade S. of P.A.

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

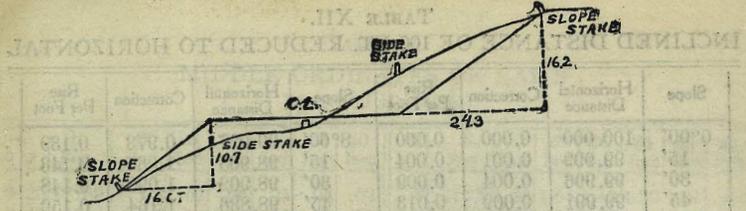
Distance of slope stake from side or shoulder stake for any width roadway, slope 1% to 1%. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body

IMPROVED TABLES AND INFORMATION

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections.

Degree of curve with a given L may be found by dividing tangent (or external), opposite L by given tangent (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
0	0 00	0 15	0 30	0 45	0 60	0 75	0 90	1 05	1 20	1 35
1	1 50	1 65	1 80	1 95	2 10	2 25	2 40	2 55	2 70	2 85
2	3 00	3 15	3 30	3 45	3 60	3 75	3 90	4 05	4 20	4 35
3	4 50	4 65	4 80	4 95	5 10	5 25	5 40	5 55	5 70	5 85
4	6 00	6 15	6 30	6 45	6 60	6 75	6 90	7 05	7 20	7 35
5	7 50	7 65	7 80	7 95	8 10	8 25	8 40	8 55	8 70	8 85
6	9 00	9 15	9 30	9 45	9 60	9 75	9 90	10 05	10 20	10 35
7	10 50	10 65	10 80	10 95	11 10	11 25	11 40	11 55	11 70	11 85
8	12 00	12 15	12 30	12 45	12 60	12 75	12 90	13 05	13 20	13 35
9	13 50	13 65	13 80	13 95	14 10	14 25	14 40	14 55	14 70	14 85
10	15 00	15 15	15 30	15 45	15 60	15 75	15 90	16 05	16 20	16 35
11	16 50	16 65	16 80	16 95	17 10	17 25	17 40	17 55	17 70	17 85
12	18 00	18 15	18 30	18 45	18 60	18 75	18 90	19 05	19 20	19 35
13	19 50	19 65	19 80	19 95	20 10	20 25	20 40	20 55	20 70	20 85
14	21 00	21 15	21 30	21 45	21 60	21 75	21 90	22 05	22 20	22 35
15	22 50	22 65	22 80	22 95	23 10	23 25	23 40	23 55	23 70	23 85
16	24 00	24 15	24 30	24 45	24 60	24 75	24 90	25 05	25 20	25 35
17	25 50	25 65	25 80	25 95	26 10	26 25	26 40	26 55	26 70	26 85
18	27 00	27 15	27 30	27 45	27 60	27 75	27 90	28 05	28 20	28 35
19	28 50	28 65	28 80	28 95	29 10	29 25	29 40	29 55	29 70	29 85
20	30 00	30 15	30 30	30 45	30 60	30 75	30 90	31 05	31 20	31 35
21	31 50	31 65	31 80	31 95	32 10	32 25	32 40	32 55	32 70	32 85
22	33 00	33 15	33 30	33 45	33 60	33 75	33 90	34 05	34 20	34 35
23	34 50	34 65	34 80	34 95	35 10	35 25	35 40	35 55	35 70	35 85
24	36 00	36 15	36 30	36 45	36 60	36 75	36 90	37 05	37 20	37 35
25	37 50	37 65	37 80	37 95	38 10	38 25	38 40	38 55	38 70	38 85
26	39 00	39 15	39 30	39 45	39 60	39 75	39 90	40 05	40 20	40 35
27	40 50	40 65	40 80	40 95	41 10	41 25	41 40	41 55	41 70	41 85
28	42 00	42 15	42 30	42 45	42 60	42 75	42 90	43 05	43 20	43 35
29	43 50	43 65	43 80	43 95	44 10	44 25	44 40	44 55	44 70	44 85
30	45 00	45 15	45 30	45 45	45 60	45 75	45 90	46 05	46 20	46 35
31	46 50	46 65	46 80	46 95	47 10	47 25	47 40	47 55	47 70	47 85
32	48 00	48 15	48 30	48 45	48 60	48 75	48 90	49 05	49 20	49 35
33	49 50	49 65	49 80	49 95	50 10	50 25	50 40	50 55	50 70	50 85
34	51 00	51 15	51 30	51 45	51 60	51 75	51 90	52 05	52 20	52 35
35	52 50	52 65	52 80	52 95	53 10	53 25	53 40	53 55	53 70	53 85
36	54 00	54 15	54 30	54 45	54 60	54 75	54 90	55 05	55 20	55 35
37	55 50	55 65	55 80	55 95	56 10	56 25	56 40	56 55	56 70	56 85
38	57 00	57 15	57 30	57 45	57 60	57 75	57 90	58 05	58 20	58 35
39	58 50	58 65	58 80	58 95	59 10	59 25	59 40	59 55	59 70	59 85
40	60 00	60 15	60 30	60 45	60 60	60 75	60 90	61 05	61 20	61 35
41	61 50	61 65	61 80	61 95	62 10	62 25	62 40	62 55	62 70	62 85
42	63 00	63 15	63 30	63 45	63 60	63 75	63 90	64 05	64 20	64 35
43	64 50	64 65	64 80	64 95	65 10	65 25	65 40	65 55	65 70	65 85
44	66 00	66 15	66 30	66 45	66 60	66 75	66 90	67 05	67 20	67 35
45	67 50	67 65	67 80	67 95	68 10	68 25	68 40	68 55	68 70	68 85
46	69 00	69 15	69 30	69 45	69 60	69 75	69 90	70 05	70 20	70 35
47	70 50	70 65	70 80	70 95	71 10	71 25	71 40	71 55	71 70	71 85
48	72 00	72 15	72 30	72 45	72 60	72 75	72 90	73 05	73 20	73 35
49	73 50	73 65	73 80	73 95	74 10	74 25	74 40	74 55	74 70	74 85
50	75 00	75 15	75 30	75 45	75 60	75 75	75 90	76 05	76 20	76 35

Computed by L. Leland Locke.

19
49
98

3	70.00	26	71.68	99.84
	23	29	43.87	7
	23	29	50.74	77.94
	46	58		
	70	26		

3	69.00	09	
	23	03	
3	59	16	30
	19	45	
	29	45	
	39	30	
	59	15	

3	59	02
	19	41
	39	22
	59	03

40	09
40	00
81	
17	00
189	11

70
90

Fanuel + Wilbur NE 7' ct. ✓
 Fanuel + Beryl NE 7' ct. ✓
 Gresham + Lay NE 7' ct. ✓
 " + Chalcedony SW 7' ct. ✓
 " + Missouri NW 7' ct. ✓
 Fanuel + Missouri NE 7' ct. ✓
 Evans + " NE 7' ct. ✓
 " + Chalcedony NE 7' ct. ✓
 " + Lay NE 7' ct. ✓
 Fanuel + Lay NE 7' ct. ✓
 " + Chalcedony NE 7' ct. ✓
 Evans + Wilbur NE 7' ct. ✓