

80

Street

[Redacted]

1. ONE ST. ...
 2. ...
 3. ...
 4. ... UNIVERSITY HEIGHTS ...
 5. ... ST ... 52 and 24

380

[Redacted]

FIELD

... AVE ...
 ...
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G80

... WHITEHALL STREET ... 63
 ...
 ... 65

[Redacted]

Coker

B.M. S.E. Quattrough

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 62.07 \\
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 \pi 62.35 \\
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 \underline{50.66} \\
 \pi 52.26 \\
 \underline{46.00} \\
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 \end{array}$$

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 52.26 \\
 \underline{46.46} \\
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 45.7 \\
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 43.2
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 52.26 \\
 \underline{43.2} \\
 9.06 \\
 \underline{6.76} \\
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 \end{array}$$

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 948.07 \\
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 \underline{5158.00} \\
 4742.10 \\
 \underline{115900} \\
 279329 \\
 \underline{36532}
 \end{array}$$

$$\begin{array}{r}
 65.32 \\
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$$\begin{array}{r}
 70.32 \\
 \underline{6.50} \\
 63.82 \\
 \underline{15.20} \\
 48.62
 \end{array}$$

Talbot 2138

Basson NW 2800

P2 @ 5751

Min 175 41.24

Ridgway SE @ 4573

Brown SE @ 6207

Perry NE @ 6415

Arms SE @ 4807

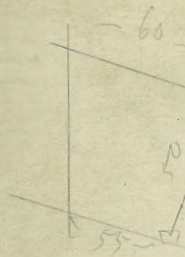
Michals NE @ 4162

McCall NW @ 3813

Laurie NE @ 3509

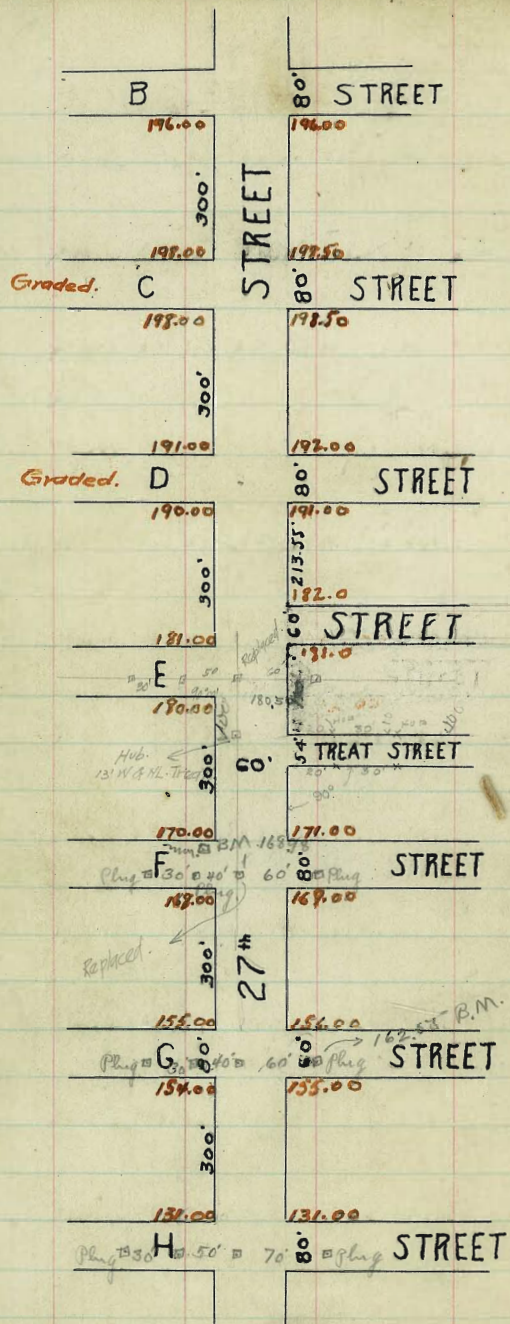
Kell NE @ 3360

Old 7th 1425



MICROFILMED

APR 6 1965



168.98 B.M. N.W. cor. 27th & F plug in man. 1

N
 E. C. 1/4 E. 1/4 C. W.
 52.0 Street

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25'S. 196.45 196.20 195.79 196.18 195.77 196.16 196.41

50'S. 196.26 196.41 195.95 196.37 195.95 196.33 196.59

75'S. 196.87 196.62 196.17 196.52 196.13 196.50 196.75

100'S. 197.08 196.83 196.36 196.75 196.31 196.66 196.91

125'S. 197.29 197.04 196.55 196.93 196.48 196.83 197.08

150'S. 197.50 197.25 196.74 197.12 196.66 197.00 197.25

175'S. 197.70 197.45 196.94 197.31 196.84 197.16 197.41

200'S. 197.91 197.66 197.13 197.50 197.02 197.33 197.58

225'S. 198.12 197.87 197.32 197.68 197.19 197.50 197.75

250'S. 197.33 198.08 197.51 197.77 197.37 197.66 197.91

275'S. 197.54 198.29 197.70 198.06 197.55 197.93 198.08

300'S. 198.75 198.50 197.90 198.25 197.73 198.00 198.25
 H.L. of C-Street

196.97 11/11 27th + B 196.85 196.66 197.02 197.50 197.91 197.33
 16.14 11.34 10.94 10.53 10.11 9.70 9.28
 227.67 11.34 2.15 2.15 2.15 2.15 2.15
 2.15 2.15 2.15 2.15 2.15 2.15 2.15
 27.77 T.P. on Sign. 196.51 196.91 197.25 197.55 197.81

196.47 196.41 196.64 196.85 197.05 197.25 197.50 197.66 197.81 197.95 198.08 198.23 198.33 198.40
 2.15 2.15 2.15 2.15 2.15 2.15 2.15 2.15 2.15 2.15 2.15 2.15 2.15

198.23 198.55 198.66 198.81 197.9 197.25 197.33 197.46 197.61 197.70
 2.15 2.15 2.15 2.15 2.15 2.15 2.15 2.15 2.15 2.15

Final Station + North on Prop E above grade / 198.75 / 198.81 / 198.88

E. C. 1/4 E. 1/4 C. W.

S.L.C. Street

20. 198.75 197.50 197.90 198.25 197.73 198.00 198.25

35'S. 199.20 197.95 197.35 197.68 197.15 197.41 197.56

50'S. 197.66 197.41 196.81 197.12 196.58 196.83 197.09

75'S. 197.12 196.87 196.27 196.55 196.00 196.24 196.49

100'S 196.58 196.33 195.73 195.99 195.43 195.66 195.91

125'S 196.04 195.79 195.19 195.43 194.86 195.09 195.33

150'S 195.50 195.25 194.64 194.87 194.27 194.50 194.75

175'S 194.95 194.70 194.10 194.31 193.71 193.91 194.16

200'S 194.41 194.16 193.56 193.74 193.14 193.33 193.58

225'S 193.87 193.62 193.02 193.28 192.56 192.74 192.97

250'S 193.33 193.07 192.48 192.62 191.99 192.16 191.41

275'S 192.79 192.54 191.90 192.06 191.42 191.59 191.73

300'S 192.25 192.00 191.40 191.50 190.85 191.00 191.25

N.L.D. Street.

20777 P. 1/4 1975 1980 1985 1990 1995

1975 1980 1985 1990 1995

1975 1980 1985 1990 1995

20777 P. 1/4 1975 1980 1985 1990 1995

1975 1980 1985 1990 1995

1975 1980 1985 1990 1995

1975 1980 1985 1990 1995

1975 1980 1985 1990 1995

1975 1980 1985 1990 1995

Stakes marks - 1/4 mile E. above props. Gregory Moore

E. C. 1/4 E 1/4 C. W.

S.L. of D. Street. 191.25 191.00 190.40 190.50 188.85 190.00 190.25

25's 190.50 190.25 189.65 189.75 189.10 189.25 189.50

50's 189.75 189.50 188.90 189.00 188.35 188.50 188.75

75's 189.00 188.75 188.15 188.25 187.60 187.75 188.00

100's 188.25 188.00 187.40 187.50 186.85 187.00 187.25

125's 187.50 187.25 186.65 186.75 186.10 186.25 186.50

150's 186.75 186.50 185.90 186.00 185.35 185.50 185.75

175's 186.00 185.75 185.15 185.25 184.60 184.75 185.00

200's 185.25 185.00 184.40 184.50 183.85 184.00 184.25

225's 184.83 184.69 184.25 183.65 183.75 183.10 183.25 183.50

250's 183.75 183.50 182.90 183.00 182.35 182.50 182.75

275's 183.03 182.78 182.75 182.15 182.25 181.60 191.75 182.00

300's 182.25 182.00 181.40 181.50 180.85 181.00 181.25

N.L.E. Street.

M.L.E.

N.L.E. St.

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60
60
60

180.83	180.50	181.50	181.75	182.25	182.00
8.93					
189.76	9.26	8.26	8.01	7.51	7.76
180.00					
9.76	181.00	181.25	182.03	181.78	182.03
	8.76	8.51	6.73	6.98	7.98
183.83	183.58	184.58	184.83	186.75	186.50
5.93	6.18	6.78	4.93	3.01	3.26
		188.50			
188.50	188.50	36.3	191.00	181.78	9.12
0.26	1.26	192.13	1.13	10.02	8.22
		190.00			
		2.13			
191.80	185.50	187.00	188.50	19.00	
181.00	6.30	4.80	3.30	1.80	
10.80					

Intersection of
 TWENTY SEVENTH
 and
 E STREET.

E. C. 4 4 4 C. W. W

1 182.25 182.00 181.40 181.50 180.85 181.00 181.25

N. Curb 182.00 182.00 181.22 181.32 180.67 181.00 181.00
 181.00 181.00 180.00 180.00

N. 4 181.40 180.75 181.00 181.16 180.51 179.75 180.40

C 181.75 181.50 180.90 181.00 180.75 180.50 180.50

S. 4 180.85 180.25 180.73 180.84 180.18 179.25 179.85

S. Curb 180.00 180.00 180.57 180.67 180.02 179.00 179.00
 181.00 181.00 180.00 180.00

181.25 181.00 180.40 180.50 179.85 180.00 180.25

191.80 FT.

180.50

11.30

E. C. 1/4 E 1/4 C. W.
S.L.E Street

181.25 181.00 180.40 180.50 179.85 180.00 180.25

180.41 180.16 179.56 179.66 179.01 179.16 179.41

179.58 179.33 178.73 178.83 178.18 178.33 178.58

178.75 178.50 177.89 177.99 177.34 177.50 177.75

177.91 177.66 177.06 177.16 176.51 176.66 176.91 *N. L. Treat*

177.08 176.83 176.23 176.33 175.68 175.83 176.08 *75*

176.24 175.99 175.39 175.49 174.84 175.00 175.25 *N. L. Treat*
174.5 176.11 175.86 174.87 175.12

175.41 175.16 174.56 174.66 174.01 174.16 174.41

174.58 174.33 173.73 173.83 173.18 173.33 173.58

173.75 173.50 172.89 172.99 172.34 172.49 172.74

172.91 172.66 172.06 172.16 171.51 171.66 171.91

172.08 171.83 171.23 171.33 170.68 170.83 171.08

171.25 171.00 170.40 170.50 169.85 170.00 170.25
N.L.F Street

168.98
170.52
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174.42
175.07
175.72
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177.02
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825.41
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830.06
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832.01
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914.76
915.41
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917.36
918.01
918.66
919.31
920.06
920.71
921.36
922.01
922.66
923.31
923.96
924.61
925.26
925.91
926.56
927.21
927.86
928.51
929.16
929.81
930.46
931.11
931.76
932.41
933.06
933.71
934.36
935.01
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938.91
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940.86
941.51
942.16
942.81
943.46
944.11
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946.71
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948.01
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976.71
977.36
978.01
978.66
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980.06
980.71
981.36
982.01
982.66
983.31
983.96
984.61
985.26
985.91
986.56
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1000.86
1001.51
1002.16
1002.81
1003.46
1004.11
1004.76
1005.41
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1006.71
1007.36
1008.01
1008.66
1009.31
1010.06
1010.71
1011.36
1012.01
1012.66
1013.31
1013.96
1014.61
1015.26
1015.91
1016.56
1017.21
1017.86
1018.51
1019.16
1019.81
1020.46
1021.11
1021.76
1022.41
1023.06
1023.71
1024.36
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1026.31
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1032.16
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1034.76
1035.41
1036.06
1036.71
1037.36
1038.01
1038.66
1039.31
1040.06
1040.71
1041.36
1042.01
1042.66
1043.31
1043.96
1044.61
1045.26
1045.91
1046

Intersection of
 TWENTY SEVENTH
 and
 F STREET.

E. C. $\frac{1}{4}$ C. $\frac{1}{4}$ C. W.

N.L. F 171.25 171.00 170.40 170.50 169.85 170.00 170.25

N. Curb 171.00 171.00 170.05 170.15 169.50 170.00 170.20
 170.00 170.00 171.05 169.00 169.00

N. $\frac{1}{4}$ 170.40 169.50 169.72 169.82 169.17 169.50 169.40

C. 170.25 170.00 169.40 169.50 169.85 169.00 169.00

S. $\frac{1}{4}$ 169.10 168.50 169.07 169.17 168.52 169.00 168.15

S. Curb 168.00 168.00 169.75 169.85 168.20 167.00 167.00
 169.00 169.00 168.75 169.00 168.00

S.L. F St 169.25 169.00 168.40 168.50 167.85 169.00 168.25

191.80 HI

168.88
 2.04
 171.04 HI.
 169.00
 2.04

	E	C	1/4	1/2	3/4	C	W
S.L. of F. Street.							
200	169.25	169.00	168.40	168.50	167.55	168.00	168.25
255	168.16	167.91	167.31	167.41	166.76	166.91	167.16
300	167.08	166.53	166.23	166.23	165.58	165.83	166.08
355	165.99	165.74	165.14	165.24	164.59	164.74	164.99
400	164.91	164.66	164.06	164.16	163.51	163.66	163.91
455	163.83	163.58	162.98	163.08	162.43	162.58	162.83
500	162.75	162.50	161.89	161.99	161.34	161.50	161.75
555	161.66	161.41	160.71	160.81	160.26	160.41	160.66
600	160.36	160.61					
650	160.35	160.35	159.73	159.83	159.18	159.33	159.68
700	159.31						
755	159.49	159.24	158.64	158.74	158.09	158.24	158.49
800	158.76	158.51					
850	158.41	158.16	157.56	157.66	157.01	157.16	157.41
900	157.83	157.08	156.48	156.58	155.93	156.08	156.33
950	156.25	156.00	155.40	155.50	154.85	155.00	155.25
N.L. of G Street.							

168.98 B.M.

3.26	168.08	168.91	167.75	167.58	167.58	9.63
172.18 H.I.	6.10	8.27	10.43			162.55 - 7P.
168.15	10.10	11.07	12.63			
3.93	4.0	2.8	2.2			
5.9						
2.0						
169.25	167.08	164.91	162.75	160.68	158.41	156.25
2.93	5.10	7.27	9.43	11.50	13.77	15.93
0.13	0.3	3.47	5.03	6.7	7.87	9.43
+2.8	2.8	+3.8	+4.4	+4.8	+5.90	+6.5
162.45	155.25	157.41	159.68	168.98	169.00	168.00
12.7	8.57	6.41	4.14	2.28	2.26	3.26
163.82 H.I.	11.67	9.0	7.74	171.26 H.I.	2.26	3.01
	3.1	2.6	3.6	170.00	169.00	168.08
166.83	165.83	166.08	163.91	163.66	164.66	164.91
4.43	5.43	5.78	7.35	7.60	6.60	6.35
161.50	161.75	159.68	159.33	160.33	160.58	159.33
9.76	9.57	11.68	11.93	10.93	9.68	8.10
157.16	155.00	155.25	171.04 H.I.			
5.27	7.43	7.18	168.0	165.83	163.66	161.50
159.33			3.04	5.21	7.38	9.54
11.71	11.48	IP.	155.0			
	159.56		6.21			
	1.65					
	161.21 H.I.					
	157.16					
	4.05					

Oct. 16/13

Rebuilds
after
Bunker

East 1/2 not graded
from G. 100' north.
Balance check OK. Rebuilds
after
Bunker

168.98 N.E. 27' 40' B.M. 160.61 160.61 155.51 157.16 150.00 160.61
168.98 4.19 3.80 5.74 1.27 7.00 2.59

Intersection of

TWENTY SEVENTH

and

G STREET

	E.	C.	¼	☉	¼	C	W.
N. G	156.25 156.25	156.00	155.40	155.50	154.85	155.00	155.25
+10	156.72	156.00	155.27	155.37	154.72	155.00	155.12
N. Curb	156.00 155.00	156.00 155.00	155.22	155.32	154.67	155.00 154.00	155.00 154.00
N. ¼	155.40	154.75	155.06	155.16	154.51	153.75	154.40
C	155.80	154.50	154.90	155.00	154.35	153.50	154.50
S. ¼	154.85	154.25	154.73	154.83	154.19	153.25	153.85
S. Curb	154.00 155.00	154.00 153.00	154.57	154.67	154.02	153.00 154.00	153.00 154.00
+4	155.12	155.00	154.52	154.62	153.97	154.00	154.12
S. L. G	155.25	155.00	154.40	154.50	153.85	154.00	154.25

E. W.
 51.6 Street.
 10 155.25 155.00
 00. 155.25 155.00, 154.40 154.50 153.85 154.00 154.25

52. 153.25 153.00 152.41 152.54 151.91 152.09 152.33

605 150.60, 150.35
 53. 151.25 151.00 150.43 150.58 149.97 150.16 150.41

75. 149.25 149.00 147.44 148.62 148.03 148.24 148.49

100 146.73 146.28
 11. 147.25 147.00 146.46 146.66 146.10 146.33 146.58

115. 146.05 145.80 145.26 145.50 144.24 144.49 144.54

125. 145.25 145.00 144.47 144.70 144.16 144.41 144.66

142. 142.61
 132. 142.25 142.00 142.50 142.74 142.22 142.50 142.75

140. 140.57
 145. 141.25 141.00 140.51 140.79 140.27 140.58 140.83

138. 138.74
 200. 139.25 139.00 138.53 138.83 137.75 138.66 138.91

187. 186.81
 135. 137.25 137.00 136.54 136.87 136.41 136.74 136.99

135. 134.87
 150. 131.25 131.00 134.56 134.91 134.47 134.83 135.07

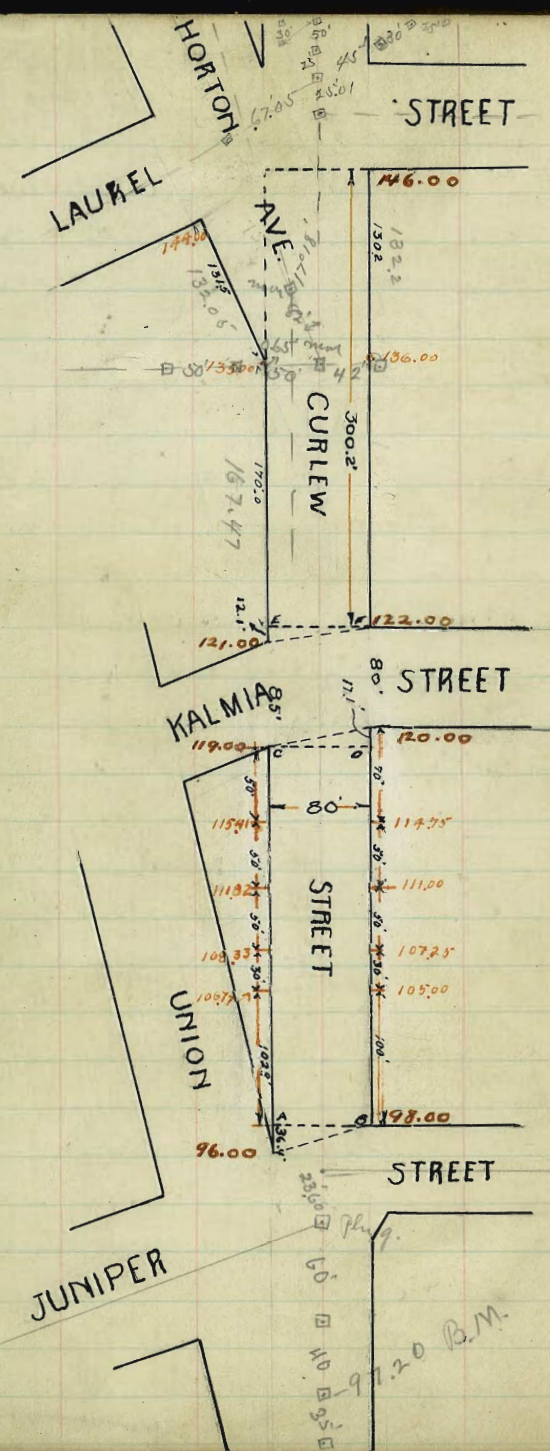
133. 133.25 133.00 132.58 132.95 132.53 132.91 133.16

300. 131.25 131.00 130.60 131.00 130.60 131.00 131.25
 Pl. L. H. Street.

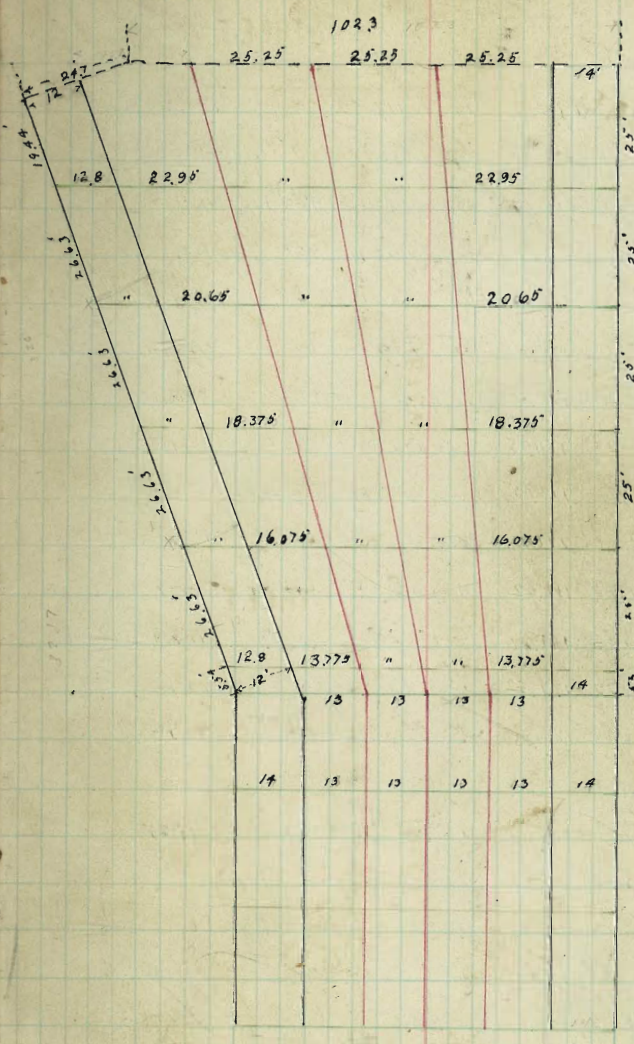
127. 22 131.25 137.25 138.91 146.58
 13.02 9.00 1.00 1.33 6.77 10
 140.24 H.I. 135.25 135.08 5.16 139.92 J.P. 7.87 150.41
 2.85 B.M. 5.00 12.83 4.7 2.34
 137.39 8.3 152.75 H.I. 5.24
 -3.3 -3.4

151.25 147.25 142.75 138.91 100 143.25
 1.50 3.50 10.00 1.33 8.3 3.00
 1.0 6.3 12.6 5.16 7.3 -3.00
 +0.5 -0.8 -2.6 3.8 154.25 157.25
 0.26 9.00 8.0 0.67
 152.49 J.P. 10.72 15.3 7.1 162.54
 163.21 H.I. -6.3 +0.9

148.55 Eastie Hub at G 156.25 155 154 154.25 163.75 160.16 160.11 150.35 159.00
 163.77 8.63 8.55 8.85 9.25 12.47 3.02 8.71 8.37 8.35
 146.87 146.73 146.39 146.05 145.75 145.50 142.21 142.15 153.25 137.71 137.99
 8.74 8.89 8.87 8.84 10.87 10.75 10.64 10.86 10.61 10.61 3.80
 137.10 138.91 138.05 134.83 134.57 135.17 131.25 131.11
 4.13 8.89 7.71 7.96 7.75 7.67 11.34 11.77
 Check OK 5/14/14 Gregory
 Garbasi Props
 Gregory
 S. O. Entaker
 Moore



Note:-
GRADES ARE
ON Pg 13
THIS BOOK



99.875

5.24
97.57
4.25
98.66

Note: - See Diagram on Pg 11 - This Book
 For PLAN OF GRADOS OF CURLEW at intersection

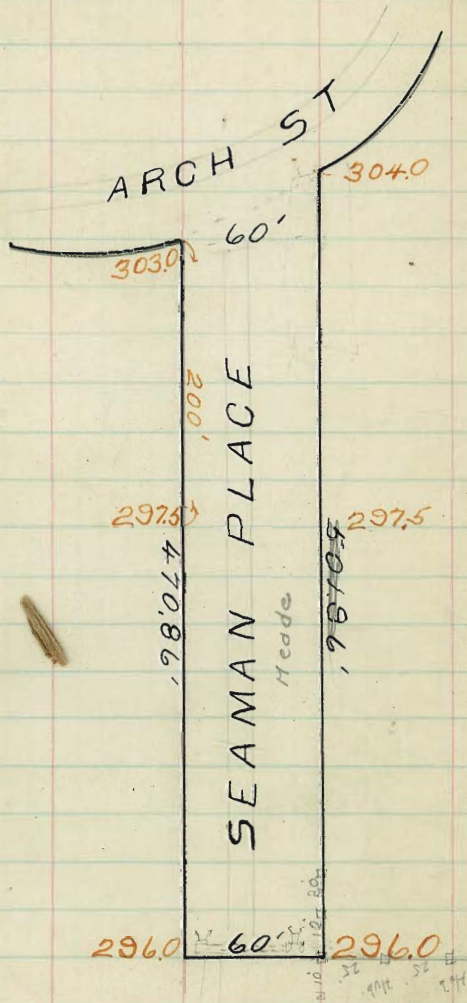
of LAUREL AND HOLTON AVE

119.03	121.0	121.53	122.19	122.0	122.25	126.37	126.12	125.77	126.02
12.82	12.10	12.153	12.219	12.20	12.25	5.48	5.73	6.08	5.83
131.85	129.36	129.61	130.24	130.49	134.61	134.61	134.36	133.24	133.24
121.25	1.99	2.24	1.61	1.36	2.41	5.70	5.95	9.86	9.61
10.60									
125.25	135.0	136.0	136.25	138.17	138.32	143.31	132.45	141.09	140.84
8.06	8.31	7.31	7.26	4.74	4.89	137.20	5.86	2.22	2.47
142.41	5.72	4.1	146.25	146.0	143.0	144.1	144.0	144.25	142.16
0.90	148.13	1.88	2.13	8.03	4.02	4.13	3.88		
119.03									
126.64									
131.67	121.93	122.0	126.12	125.77	129.61	130.24			
121.0	9.74	9.67	5.55	5.90	2.06	1.43			
10.67									
	0.14								
131.53	134.56	133.45	135.0	136.4	138.32	137.20			
11.73	8.90	9.81	8.26	7.26	4.94	6.06			
143.26									
140.84	142.16	0.19		146.0	144.0				
2.42	1.10	143.07	5.0	0.0	2.4				
		3.33							
		146.40							

chk. O.K. except three or four places
 which foman said he would fix up
 J. Bullock
 Allen
 Bunker
 Mar 21/14

300.2	144.25	144.00	144.10	145.00	145.40	146.00	146.25
275	142.91	142.66	142.61	143.37	143.48	144.08	144.33
250	141.09	140.84	140.77	141.50	141.56	142.16	142.41
225	139.27	139.02	138.97	139.63	139.69	140.24	140.49
200	137.45	137.20	137.03	137.76	137.72	138.32	138.57
175	135.63	135.38	135.23	135.89	135.80	136.40	136.65
150	133.81	133.56	133.41	134.07	134.00	134.60	134.85
125	131.99	131.74	131.59	132.25	132.16	132.76	133.01
100	129.86	129.61	129.46	129.92	129.84	130.24	130.49
75	127.94	127.69	127.54	127.94	127.86	128.18	128.43
50	126.02	125.77	125.62	126.07	125.98	126.12	126.37
25	124.10	123.85	123.70	123.95	123.86	124.06	124.31
0.00	122.18	121.93	121.78	121.96	121.87	122.00	122.25
14. Holton	121.25	121.00	120.85	121.50	121.41	122.00	122.25

60' ST 10' WALK 10' QUARTERS
GRADES
SEAMAN PLACE



GRADES SEAMAN PLACE

Arch St. East
- 31.1

Grade	30300	30350	30400	30450	30500	30550	30600	30650
0+00	30325	30384	30758	30307	30280	30344	30333	
150	30187	30152	3021	30168	30137	30182	30195	
100	30050	30018	29984	30038	29995	30039	30050	
150	29912	29884	29847	29889	29852	29894	29914	
200	29774	29750	29710	29750	29710	29750	29775	
250	29717	29722	29683	29722	29683	29722	29747	
300	29720	29695	29655	29695	29655	29695	29720	
350	29692	29667	29627	29667	29627	29667	29692	
400	29645	29640	29600	29640	29600	29640	29645	
450	29637	29612	29572	29612	29572	29612	29637	
470	29625	29600	29560	29600	29560	29600	29625	

Seaman gutter 3 high last 50' N side - west end
return Seaman to cut back to PL. 10/21/14.

31431
129
31553
1093
31462
325
31590
579
30277
57
31505
65
29738
419
30683
460
27722
685
30440
749
30277

31431 - 100' - 10' 10' at 25' under 100' place
138
31509
110
30405
121
30532
318
30277

Grade	30529	30529	30529	30529	30529	30529	30529
	265	285	380	465	427	540	525
	3026	30244	30149	30161	30102	29789	30004
	30325	30425	30375	30197	30187	30050	30057
	F0.59	F1.81	F2.49	F1.33	F0.85	F0.61	F0.53
	30529	30529	30529	30529	30529	30529	30529
	584	684	760	671	754	748	747
	29745	29740	29760	29758	29725	29781	29782
	29710	29712	29775	29775	29747	29747	29750
	C0.27	F0.67	F0.06	C0.63	C0.78	C0.34	C0.62
	30529	30529	30529	30529	30529	30529	30529
	743	865	770	787	784	708	722
	29786	29664	29757	29742	29745	29791	29807
	29720	29672	29742	29665	29665	29637	29637
	C0.66	F0.28	C0.67	C0.77	C0.80	C1.54	C1.70

30277
175
30386
30325
30300
0.61V
0.80
-0.78V
-0.53V
1.91V
2.16V
2.24V
1.99V

Grade	30386	30386	30386	30386	30386	30386	30386
	30600	30035	30031	30056	29956	29881	29952
	306	361	385V	330V	470V	495V	479V

Grade	30368	30368	30368	30368	30368	30368	30368
	29775	29750	29757	29722	29720	29675	29667
	593V	618V	621V	646V	648V	673V	676V

Grade	30368	30368	30368	30368	30368	30368
	29665	29070	29637	29612	29625	29600
	7.03V	7.28V	7.31V	7.56V	7.43	7.68
		C1.11V		C1.20V		

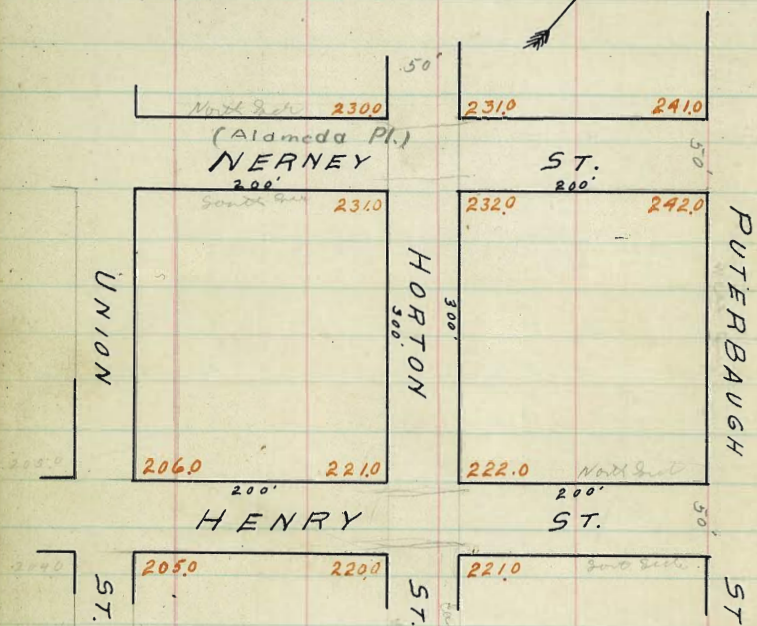
Grade	30182	30182	30182	30182	30182
	29807	29755	29781	29690	29625
	29637	29625	29600	5.82V	5.57V
	C1.72	C7.30	C1.61		

Grade	30220	30220	30220	30220	30220	30220	30220
	29600	30162	30025	29887	29750	29722	29675
	0.58V	1.95V	3.33V	4.70V	4.98V	5.25V	5.50V

Grade	30370	30370	30370	30370	30370	30370	30370
	30300	30260	30204	30168	30108	29770	2970
	1.70V	1.10V	0.60V	1.02V	0.62V	0.20V	0.60V
	1.45V			0.97V	0.95V		0.60V

Grade	30370	30370	30370	30370	30370	30370
	29600	29560	29600	29560	29600	29600
	7.70V	8.10V	7.70V	8.10V	7.70V	7.70V
	7.95V			7.45V	7.70V	

GRADES OF NERNEY ST FROM
 W.L. OF PUTERBAUGH TO W.L. HORTON ST
 HORTON ST. SL. NERNEY ST TO SL HENRY
 HENRY ST. W.L. HORTON ST N
 TO E.L. UNION ST.



50' wide
10' walks
75' 1/4

NERNEY ST. WL. PUTERBAUGH ST
TO WESTLINE HORTON ST.

	North	curb	1/4	¢	1/4	curb	South
WL PUTERBAUGH	241.25	241.00	240.85	241.50	241.70	242.00	242.25
07	241.16	240.91	240.76	241.41	241.31	241.91	242.16
25	240.94	240.69	240.54	241.19	240.09	241.69	241.94
50	240.63	240.38	240.23	240.88	239.78	241.38	241.63
75	240.31	240.06	239.91	240.56	239.46	241.06	241.31
80	240.25	240.00	239.85	240.50	239.40	241.00	241.25
100	238.75	238.50	238.35	239.00	238.90	239.50	239.75
125	236.88	236.63	236.48	237.13	237.03	237.63	237.88
150	235.00	234.75	234.60	235.25	235.15	235.75	236.00
175	233.13	232.88	232.73	233.38	233.28	233.88	234.13
200 EL HORTON ST	231.25	231.00	230.85	231.50	231.40	232.00	232.25
E L HORTON ST	231.25	231.00	230.85	231.50	231.40	232.00	232.25
E Curb	231.00	231.00	230.65	231.30	231.20	232.00	232.00
	230.00	230.00				231.00	231.00
E 1/4	230.40	229.75	230.50	231.15	231.05	230.75	231.40
¢	230.50	229.50	230.35	231.00	230.90	230.50	231.50
W 1/4	229.85	229.25	230.20	230.85	230.75	230.25	230.85
	229.00	229.00				230.00	230.00
W Curb	230.00	230.00	230.05	230.70	230.60	231.00	231.00
WL HORTON	230.25	230.00	229.85	230.50	230.40	231.00	231.25

HORTON ST. SOUTH LINE NERNEY ST
TO SOUTH LINE HENRY ST.

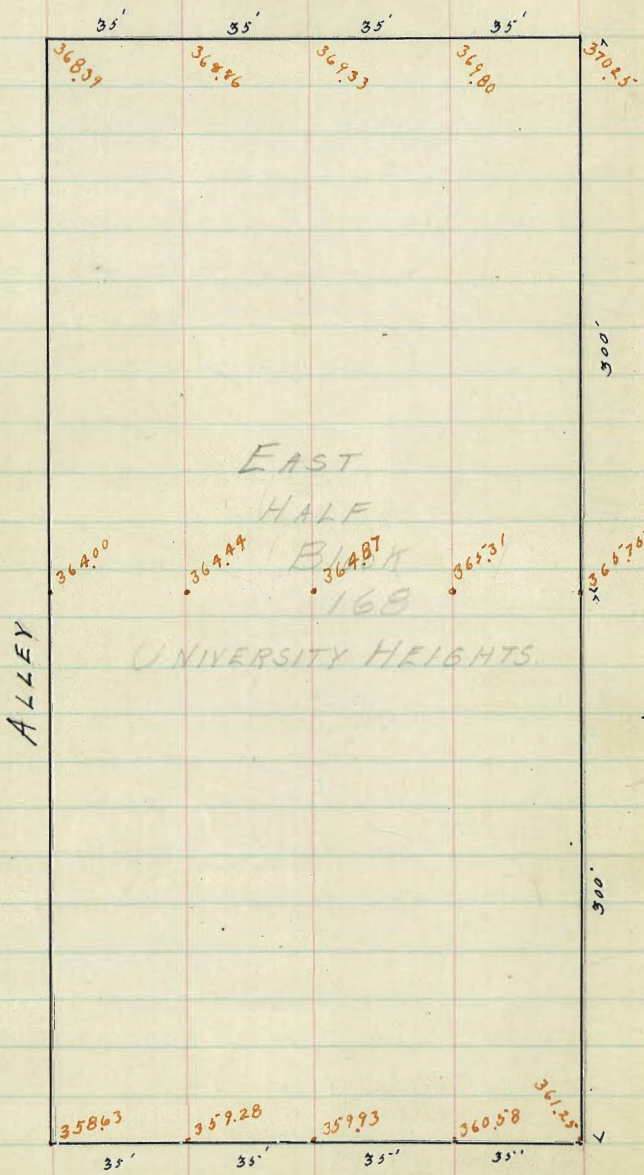
	West		East
S.L. NERNEY ST	231.25	231.00	232.25
25	232.75	232.50	233.75
50	234.25	234.00	235.25
75	235.75	235.50	236.75
100	237.25	237.00	238.25
125	238.75	238.50	239.75
150	240.25	240.00	241.25
175	241.75	241.50	242.75
200	243.25	243.00	244.25
225	244.75	244.50	245.75
250	246.25	246.00	247.25
275	247.75	247.50	248.75
300 N.L. HENRY	249.25	249.00	250.25
N.L. HENRY	221.25	221.00	222.25
N CURB	221.00	220.00	222.00
	220.00	220.25	221.00
N 1/4	220.75	220.50	221.50
Φ	220.50	220.25	221.25
S 1/4	219.75	219.50	220.50
HENRY	219.00	219.00	220.00
S CURB	219.00	219.25	220.00
	220.00	220.75	221.00
S.L. HENRY	220.25	220.00	221.25

HENRY ST WEST LINE HORTON
ST. TO EAST LINE UNION ST

	South	Curve	1/4	+	1/4	Curve	North
W.L. HORTON ST	220.25	220.00	219.85	220.50	220.40	221.00	221.25
25	218.38	218.13	217.98	218.63	218.53	219.13	219.38
50	216.50	216.25	216.10	216.75	216.65	217.25	219.50
75	214.63	214.38	214.23	214.88	214.78	215.38	215.63
100	212.75	212.50	212.35	213.00	212.90	213.50	213.75
125	210.88	210.63	210.48	211.13	211.03	211.63	211.88
150	209.00	208.75	208.60	209.25	209.15	209.75	210.00
175	207.13	206.88	206.73	207.38	207.28	207.88	208.13
200 E.L. UNION ST	205.25	205.00	204.85	205.50	205.40	206.00	206.25

EAST HALF BLOCK 168
UNIVERSITY HEIGHTS

POLK AVE.



LINCOLN AVE.

BM. SE Polk 369.96
" " Lincoln 360.85

	2.26	
	372.22	N.I.
	370.25	3.47
	1.97	4.97
	4.11	6.47
	232	7.97
	4.0	9.47
	27.9	10.97
	1.17	6.5
	3.26	17.62
	4.0	6.5
	3.73	19.37
		6.5
	7.97	12.92
	5.0	9.47
	8.47	6.5
		10.02
	6.47	6.5
	4.0	10.57
	6.47	6.5
	7.35	17.12
	4.4	6.5
	7.79	11.67
	6.5	4.97
	8.23	4.5
		5.92
	3.47	4.5
	4.11	5.87
	3.92	6.5
	4.0	6.32
	4.37	4.5
	4.82	6.77
	4.5	
	5.27	

GRADES ON EAST HALF BLK 168
UNIVERSITY HEIGHTS

	140 West FL ALLEY	106" NW	70' West	35' West	WEST L. IDAHO
600 S2 POIK	368.39	368.86	369.33	369.80	370.26
575	368.03	368.49	368.95	369.43	369.88
550	367.66	368.12	368.58	369.05	369.50
525	367.29	367.75	368.21	368.67	369.13
500	366.93	367.39	367.84	368.30	368.75
475	366.56	367.02	367.47	367.93	368.38
450	366.20	366.65	367.10	367.55	368.00
425	365.83	366.28	366.73	367.18	367.63
400	365.46	366.91	366.35	366.81	367.26
375	365.10	366.54	365.98	366.43	366.88
350	364.73	366.18	365.61	366.06	366.50
325	364.37	364.81	365.24	365.68	366.13
300 G.P.	364.00	364.44	364.87	365.31	365.75
275	363.65	364.01	364.45	364.92	365.38
250	363.11	363.58	364.04	364.52	365.00
225	362.66	363.15	363.63	364.13	364.63
200	362.21	362.72	363.22	363.73	364.25
175	361.73	362.28	362.81	363.34	363.88
150	361.31	361.86	362.40	362.94	363.50
125	360.87	361.43	361.99	362.55	363.13
100	360.42	361.00	361.57	362.16	362.75
75	359.97	360.57	361.16	361.76	362.35
50	359.53	360.14	360.75	361.37	362.00
25	359.08	359.71	360.34	360.97	361.63
N.L. LINCOLN AVE	358.63	359.28	359.93	360.58	361.25

70 - 1/10/13

15. TORO & UNIK

347.57	261.25	262.75	263.25	264.75	265.25	266.75	267.25	268.75	269.25
348.05	261.75	263.25	263.75	264.25	265.75	266.25	267.75	268.25	269.75
348.53	262.25	263.75	264.25	264.75	265.25	266.75	267.25	268.75	269.25
349.01	262.75	264.25	264.75	265.25	265.75	266.25	267.75	268.25	269.75

140	365.46	366.93	367.40	367.87	368.34
365.93	367.40	367.87	368.34	368.81	369.28
366.40	368.34	368.81	369.28	369.75	370.22
366.87	369.28	369.75	370.22	370.69	371.16

367.10	10.20	10.45	11.0	11.77	12.5	13.27	14.0	14.77	15.5	16.27	17.0	17.77	18.5	19.27	20.0	20.77	21.5	22.27	23.0	23.77	24.5	25.27	26.0	26.77	27.5	28.27	29.0	29.77	30.5	31.27	32.0	32.77	33.5	34.27	35.0	35.77	36.5	37.27	38.0	38.77	39.5	40.27	41.0	41.77	42.5	43.27	44.0	44.77	45.5	46.27	47.0	47.77	48.5	49.27	50.0	50.77	51.5	52.27	53.0	53.77	54.5	55.27	56.0	56.77	57.5	58.27	59.0	59.77	60.5	61.27	62.0	62.77	63.5	64.27	65.0	65.77	66.5	67.27	68.0	68.77	69.5	70.27	71.0	71.77	72.5	73.27	74.0	74.77	75.5	76.27	77.0	77.77	78.5	79.27	80.0	80.77	81.5	82.27	83.0	83.77	84.5	85.27	86.0	86.77	87.5	88.27	89.0	89.77	90.5	91.27	92.0	92.77	93.5	94.27	95.0	95.77	96.5	97.27	98.0	98.77	99.5	100.27
--------	-------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	-------	------	--------

Checked 11/10/13
see noted low & high spots

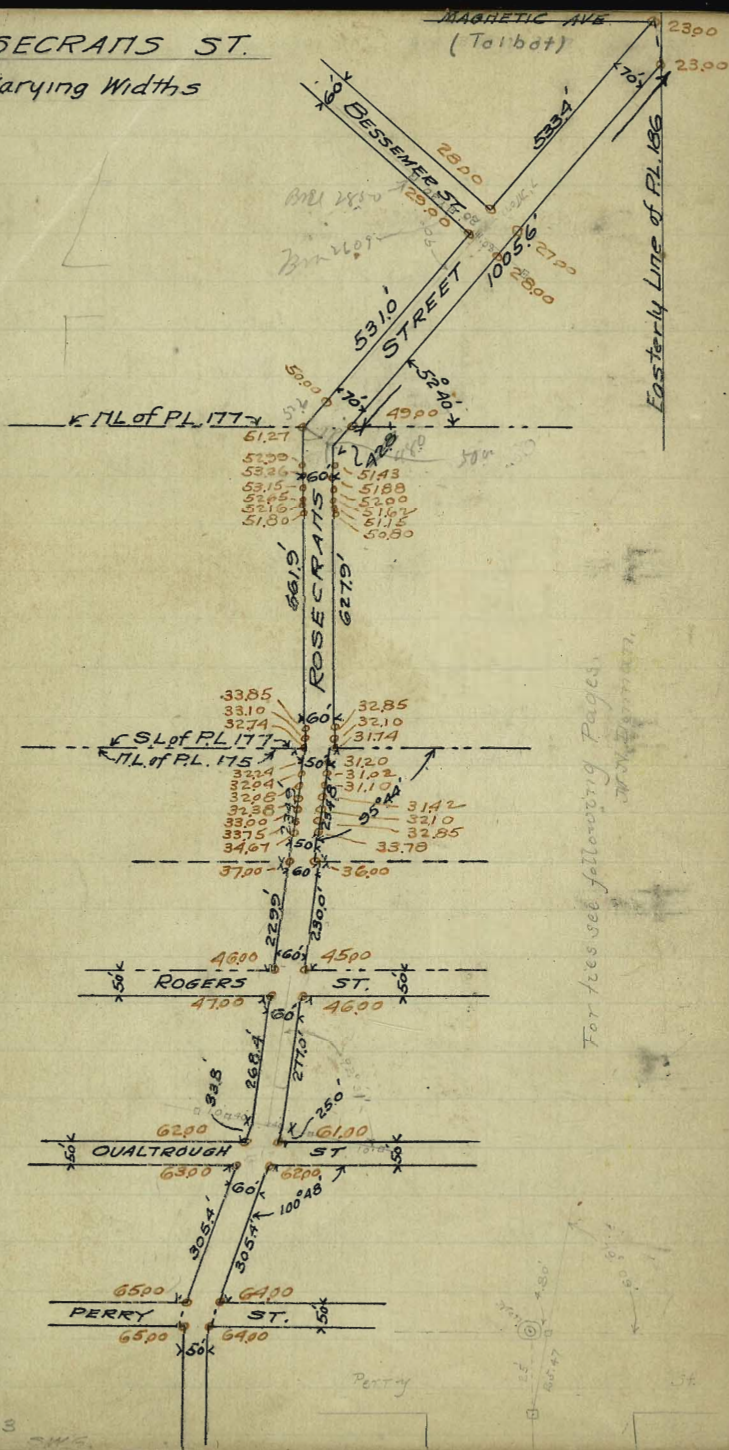
GRADES ON EAST HALF BLK 168
UNIVERSITY HEIGHTS

	140W EL ALLEY	105' W.	70W.	35W.	W. 2 100ft
N.L. LINCOLN ST	358.63	359.28	359.93	360.58	361.25
25	359.12	359.74	360.36	360.98	361.63
50	359.61	360.20	360.79	361.39	362.00
75	360.10	360.65	361.22	361.79	362.38
100	360.59	361.12	361.66	362.19	362.75
125	361.08	361.58	362.09	362.60	363.13
150	361.57	362.04	362.52	363.00	363.50
175	362.06	362.50	362.95	363.40	363.88
200	362.55	362.96	363.38	363.79	364.25
225	363.04	363.42	363.81	364.21	364.63
250	363.53	363.88	364.26	364.62	365.00
275	364.02	364.34	364.68	365.02	365.38
300	364.50	364.81	365.12	365.43	365.75
325	364.82	365.15	365.46	365.79	366.13
350	365.14	365.49	365.82	366.16	366.50
375	365.47	365.83	366.17	366.52	366.88
400	365.79	366.17	366.62	366.89	367.25
425	366.11	366.50	366.87	367.26	367.63
450	366.45	366.84	367.22	367.61	368.00
475	366.77	367.17	367.57	367.98	368.38
500	367.10	367.51	367.92	368.34	368.75
525	367.42	367.85	368.27	368.71	369.13
550	367.74	368.18	368.62	369.07	369.50
575	368.07	368.52	368.97	369.43	369.88
600 S.L. POIK Ave	368.39	368.86	369.33	369.80	370.25

Book
99
This

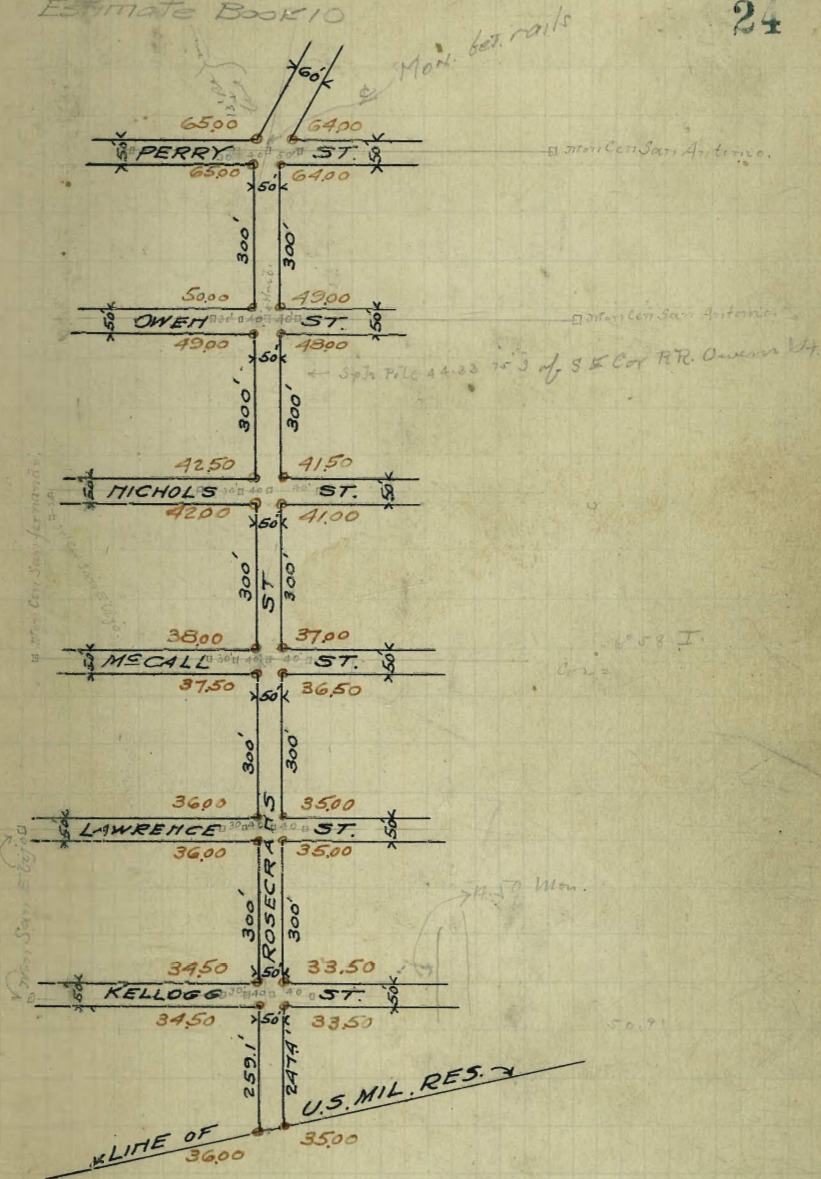
ROSECRANS ST.

Varying Widths



12-6-13

Field Books 331, 870 and 916
Estimate Book 10



$$CW = \begin{cases} 50.91 \\ 61.09 \end{cases} = 30.54$$

$$\tan = 2.10$$

$$\begin{aligned} 5.54 + 2.10 &= 7.64 \\ 5.54 - 2.10 &= 3.44 \end{aligned}$$

5.90

ROSECRANS STREET TO W. MAGNETIC AVE TO MIL RES.

W. CURB 1/4 C E 1/4 CURB E

Line from Intersec. of W. of Rosecrans & S. of Magnetic Ave. to Intersec. of E. of Rosecrans with the E. of FL 186

Same point as above on E. of Rosecrans. To S. and at 186 on W. L.

2325	2300	2260	2300	2260	2300	2325	
2372	2357	2317	2328	2274	2300	2325	
50'S on E.L.	2430	2405	2345	2374	2318	2342	2367
100 "	2478	2453	2393	2419	2360	2374	2409
150 "	2526	2501	2441	2464	2405	2426	2451
200 "	2574	2549	2489	2509	2448	2468	2493
250 "	2621	2596	2536	2554	2492	2510	2535
300 "	2669	2644	2584	2599	2535	2552	2577
350 "	2717	2692	2632	2644	2579	2594	2619
400 "	2765	2740	2680	2699	2622	2636	2661
N.L. of Bessemer ST. produced	2825	2800	2740	2750	2685	2700	2725

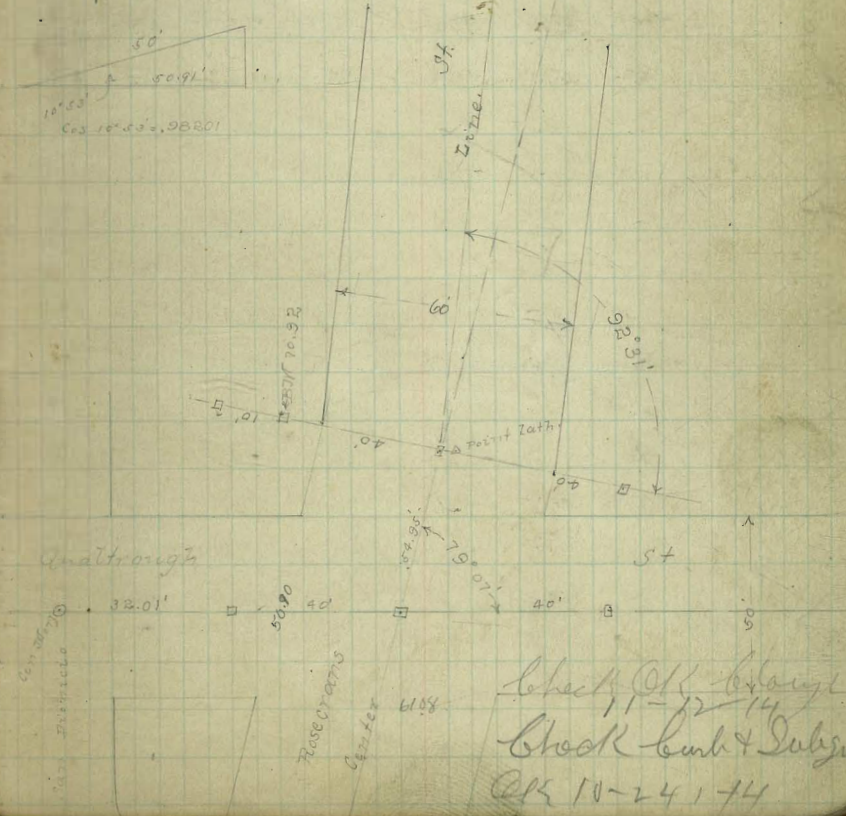
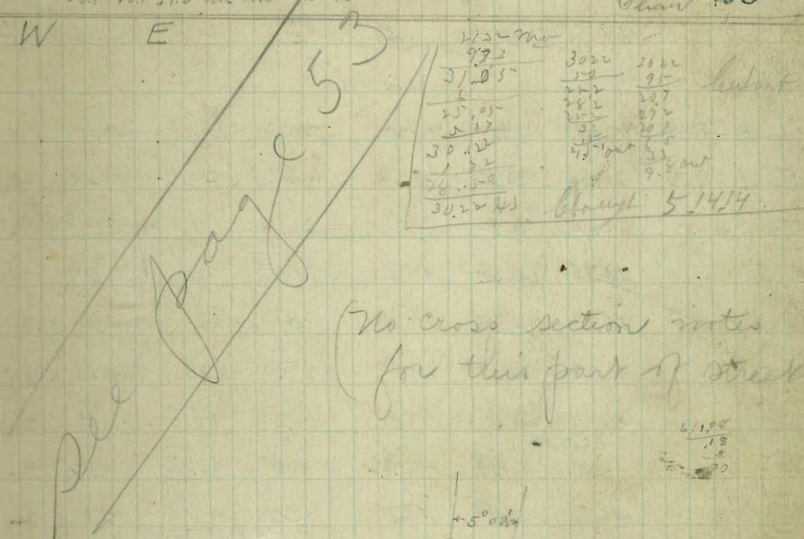
= approx. 413 on E.Curb

INTERSECTION OF BESSEMER ST. 60' mds. closed on E

N.L. of Bessemer	2825	2800	2740	2750	2685	2700	2725
W. Curb	2800	2800	2756	2767	2701	2717	2742
1/4	2785	2725	2773	2784	2718	2734	2759
center	2850	2750	2790	2800	2735	2750	2775
3/4	2840	2775	2807	2817	2752	2767	2792
E. Curb	2800	2800	2824	2834	2769	2784	2809
SL of Bessemer	2825	2900	2840	2850	2785	2800	2825

3771.12 Elev. W. E. by Rosecrans St. ...

+4 - on East line for City
Water Dept. ...
May - 1914. Miles. 25
Sheet 25



ROSECRANS STREET.

60' ST.

W CURB 1/4 E 1/4 CURB E

1176 from starting Pt. (see Level Book 351)

SL OF ROGERS	41.25	41.00	40.90	40.50	45.85	46.00	46.25
31' S. on E.							
25' S. on W.	48.49	48.24	47.64	47.88	47.30	47.53	47.76
50' S. on W.	49.73	49.48	48.88	49.14	48.54	48.77	49.02
75' "	50.97	50.72	50.12	50.36	49.78	50.01	50.26
100' "	52.21	51.96	51.36	51.61	51.03	51.26	51.51
125' "	53.45	53.20	52.60	52.85	52.27	52.50	52.75
150' "	54.69	54.44	53.84	54.09	53.51	53.74	53.99
175' "	55.93	55.68	55.08	55.33	54.76	54.98	55.23
200' "	57.17	56.92	56.32	56.57	56.00	56.22	56.47
225' "	58.41	58.16	57.56	57.82	57.24	57.47	57.72
250' "	59.65	59.40	58.80	59.06	58.48	58.71	58.96
270.6 S. on E. Angle = 50° SW.							
26.8 S. on W.	60.86	60.31	59.71	60.02	59.41	59.73	59.93
25' S. of Angle Pt on E = TL of Qualtrough							
32.8 S. on W.	62.25	62.00	61.40	61.50	60.85	61.00	61.25

1479 from starting Pt. in Level Book = M. Qualtrough

1177	50.50	50.53	50.53	50.53	52.29	62.29	62.23	62.28
1178	46.25	46.02	45.5	45.77	46.17	48.96	49.98	51.28
1179	42.25	41.81	41.99	42.7	43.81	45.02	45.80	47.03
1180	38.25	38.0	37.8	38.4	39.3	40.1	40.8	41.5
1181	34.25	34.0	33.8	34.4	35.3	36.1	36.8	37.5
1182	30.25	30.0	29.8	30.4	31.3	32.1	32.8	33.5

30

+4 - stakes on East side of St only for City Water Dept. March 1914. Dorman, Miller, Shaw.

HI 61.89 Sec Page 89:

61.89	61.89	61.87	74.45	74.45	74.45	74.45	74.45
47.25	47.73	52.21	54.69	57.17	57.65	60.56	
19.64	12.16	7.11	3.76	17.28	18.80	13.89	
8.9	6.0	2.9	1.3			6.1	
13.53	8.0			7.9	4.9	17.8	
70.9	BT on 40' Tee	40' West of Angle point	directly North of				

Qualtrough Sec Page 85:

+2 - stakes May 6-1914 - On West side of St only.

Dorman Miller Shaw

70.9	62.25	59.65	60.56	57.77	54.71	54.67
1.33	15.00	13.6	11.69		9.0	8.36
4.973	47.25					
13.25	11.22	3.50				
59.55						
54.44	47.00	5.60	48.79	49.2	51.61	51.26
2.80	7.44	5.67	5.02	5.32	2.82	3.18
51.21	5.17	5.409	5.62	5.57		
10.07	7.92	7.91	5.49	4.9		
48.13	61.66	59.06	58.71	60.02	59.73	60.02
52.75	61.50	59.06	58.71	60.02	59.73	60.02
41.5	57.76	2.60	4.95	1.92	5.73	1.32
47.05	79.00	62.25				
46.10	59.76	4.04				
11	6.24					
44.98	6.24					
9.46	64.04					
54.44						

70.94 BT. 70.92 72.92 73.82

12.48 62.00 61.00 60.00

73.42 HI. 11.02 11.02 10.02

Aug 1914

Dorman Miller Shaw

Set sidewalk stakes on 3' offset

70.94 2.89 70.02 HI.

QUALTROUGH ST INTERSECTION

TL QUALTROUGH	62.25	62.00	61.40	61.50	60.85	61.00	61.25
HCURB	62.00	62.00	61.60	61.70	61.05	61.00	61.00
1/4	61.00	61.00			60.00	60.00	
1/4	61.85	61.25	61.75	61.85	61.20	60.85	60.85
CENTER	64.50	61.50	61.90	62.00	61.35	60.50	61.50
S 1/4	62.40	61.75	62.05	62.15	61.50	60.75	61.40
S CURB	62.00	62.00	62.00	62.00	61.65	61.00	61.00
63.00	63.00	62.00	62.00	62.00	62.00	62.00	
SL QUALTROUGH	63.25	63.00	62.40	62.50	61.85	62.00	62.25

	+6.7	-4.7
	+5.6	-3.4
	4.6	-5.0

check OK Colough 11-12-14

ROSECRANS STREET

50' ST.

W CURB 1/4 E 1/4 CURB E

No Sidewalks

S.L. PERRY	65.00	64.90	64.50	63.85	64.00
50' S.	62.50	61.90	62.00	61.35	61.50
100'	60.00	59.40	59.50	58.85	59.00
150'	57.50	56.90	57.00	56.35	56.50
200'	55.00	54.40	54.50	53.85	54.00
250'	52.50	51.90	52.00	51.35	51.50
M.L. OWEN ST.	50.00	49.40	49.50	48.85	49.00

OWEN ST INTERSECTION 50' ST.

Curb on Property Line.

M.L. OWEN } M. CURB } M 1/4 } CENTER } S 1/4 } S. CURB } S.L. OWEN }	50.00 49.00	49.40	49.50	48.85	49.00 48.00
	48.75	49.15	49.25	48.60	47.75
	48.50	48.90	49.00	48.35	47.50
	48.25	48.65	48.75	48.10	47.25
	48.00	48.40	48.50	47.85	47.00
	47.00	48.10	48.50	47.85	48.00

Curb on Property Line

62.00	61.00	60.00	59.00	58.00	57.00	56.00	55.00	54.00	53.00	52.00	51.00	50.00
12.00	11.00	10.00	9.00	8.00	7.00	6.00	5.00	4.00	3.00	2.00	1.00	0.00
1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00
1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00

W	+8.0	-1.8											
	+7.1	-3.0											
	+7.8												
	+8.2	-1.1											
	+7.2	-2.5											
	+6.3												
	+7.4	-1.5											
	+6.2	-2.7											
	+4.6												
	+4.4	+1.4											
	+3.4	0.0											

T.P. 62.26	67.19	67.19	67.19	67.19	67.19	67.19	67.19	67.19	67.19	67.19	67.19	67.19	67.19
6.93	65.00	61.50	60.00	57.50	55.00	52.50	50.00	47.50	45.00	42.50	40.00	37.50	35.00
67.19 HI.	2.19	4.69	7.19	9.69	12.19	14.69	17.19	19.69	22.19	24.69	27.19	29.69	32.19
12.19													
5.00													
0.80													
5.80													
60.00													

Set sidewalk stakes 1' inside of Property line - 19" from face of curb.

64.50 48.07 48.00
1.00 5.00 5.00
53.50

check OK Aug 11-12-14

+ 4' - stakes on the East side only
Property of Water 7' of it.
Made 1914. Dennis, Miller, Shaw

32

ROSECRANS STREET.

W	CURB	1/4	+	1/4	CURB	E
No Sidewalks						
SLOWEN	49.00	48.40	48.50	47.85	48.00	
3' S	48.94	48.34	48.44	47.79	47.94	
50' S	47.91	47.31	47.41	46.76	46.91	
100'	46.83	46.23	46.33	45.68	45.83	
150	45.75	45.15	45.25	44.60	44.75	
200	44.67	44.07	44.17	43.52	43.67	
250	43.58	42.98	43.08	42.43	42.58	
PL. OF NICHOLS						
300	42.50	41.90	42.00	41.35	41.50	

NICHOLS ST INTERSECTION

PL. NICHOLS	42.50	41.90	42.00	41.35	41.50	
	41.50				40.50	
N. CURB						
N 1/4	41.31	41.71	41.81	41.22	40.81	
+	41.25	41.65	41.75	41.10	40.25	
S 1/4	41.13	41.53	41.63	40.98	40.13	
S. CURB	41.00				40.00	
SL. NICHOLS	42.00	41.40	41.50	40.85	41.00	

W	E
+0.8	-3.3
+0.4	-4.6
+4.5	-0.4
+3.7	-1.7
+3.6	-0.4
+3.4	0.0
+4.3	+0.6
+4.6	+0.6
+5.6	+1.8
+0.3	+0.6

+t - stakes on the East side only
for City Water Dept. Mar 1914
Dorman, Miller, Shaw

40' East tie Hubs for Cent. Owens & Rosecrans.

40	150	100	150	200	250	300	350
49.54	49.54	49.54	49.54	49.54	49.54	49.54	49.54
49.00	47.91	46.83	46.75	44.67	43.58	42.50	42.50
0.54	1.63	2.71	3.79	4.87	5.96	7.04	8.12
-0.9	+2.1	0.3	1.2	1.9	2.0	2.7	3.4
-0.4	+3.7	+2.5	+2.6	+3.0	+4.0	+4.3	+4.3

+a - Stakes on West side only Mar 7-1914
Dorman, Miller, Shaw

41.26	41.50	42.24	40.50	40.00
48.61	42.67	44.75	45.83	46.91
40.43	40.00	41.52	43.08	44.17
47.91	42.91	44.83	46.83	48.24
47.91	45.25	44.75	44.83	46.23
47.91	44.6	43.12	42.48	41.58
47.91	47.41	45.91	48.00	47.00
47.91	48.1	46.61	47.17	46.27

50.00	51.96	51.96	51.96	51.96	47.85	47.85	47.85
47.96	47.96	46.83	45.75	44.67	43.58	42.50	42.50
51.96	41.05	51.3	6.21	2.63	3.77	4.81	5.85
49.50	49.50	49.50	49.50	49.50	49.50	49.50	49.50
41.50	42.58	43.67	44.75	45.83	46.91	48.00	49.08
8.00	6.82	5.83	4.75	3.67	2.59	1.50	0.42

Set sidewalk stakes 1' inside of property = 12" from face of curb.

check OK through 11-12-14

Aug 1914
Dorman, Beaford, Miller, Shaw

ROSECRANS STREET

W CURB 1/4 E 1/4 CURB E

To Sidewalks

SI. McCALL	37.50	36.90	37.00	36.35	36.50
50'S	37.25	36.65	36.75	36.10	36.25
100'	37.00	36.40	36.50	35.85	36.00
150	36.75	36.15	36.25	35.60	35.75
200	36.50	35.90	36.00	35.35	35.50
250	36.25	35.65	35.75	35.10	35.25
M.L. LAWRENCE 300	36.00	35.40	35.50	34.85	35.00

LAWRENCE ST. INTERSECTION

M.L. LAWRENCE	36.00	35.40	35.50	34.85	35.00
M. CURB	35.00				34.00
M 1/4	35.00	35.40	35.50	34.85	34.00
E	35.00	35.40	35.50	34.85	34.00
S 1/4	35.00	35.40	35.50	34.85	34.00
S. CURB	35.00				34.00
S.L. LAWRENCE	36.00	35.40	35.50	34.85	35.00

City Water Dept - March 1914
Dorman, Miller, Shaw 35

W	E								
+1.6	-0.7								
+1.3	-0.3								
+1.7	-0.4								
+1.8	-0.7								
+1.2	-1.2								
+1.5	-0.7								
+2.7	-0.1								

44.70	44.70	44.70	44.7	44.7	40.50	40.50	40.5	40.50
44.7	44.7	44.7	44.7	44.7	40.50	40.50	40.5	40.50
44.7	44.7	44.7	44.7	44.7	40.50	40.50	40.5	40.50
44.7	44.7	44.7	44.7	44.7	40.50	40.50	40.5	40.50
44.7	44.7	44.7	44.7	44.7	40.50	40.50	40.5	40.50

39.43	39.43	39.43	39.43	39.43	39.43	39.43	39.43	39.43
39.43	39.43	39.43	39.43	39.43	39.43	39.43	39.43	39.43
39.43	39.43	39.43	39.43	39.43	39.43	39.43	39.43	39.43
39.43	39.43	39.43	39.43	39.43	39.43	39.43	39.43	39.43
39.43	39.43	39.43	39.43	39.43	39.43	39.43	39.43	39.43

Aug 1914
Set sidewalk stakes 1' inside of property line = 19" from face of curb.
Check at blough 11-12-14

Dorman
Miller
Shaw

Dorman
Miller
Bedford
Shaw

ROSEGRANS STREET

W CURB 1/4 Φ 1/4 CURB E

S.L. LAWRENCE	3600	3540	3550	3485	3500
50'S	3575	3515	3525	3460	3475
100'	3550	3490	3500	3435	3450
150	3525	3465	3475	3410	3425
200	3500	3440	3450	3385	3400
250	3475	3415	3425	3360	3375
H.L. KELLOGG					
300	3450	3390	3400	3335	3350

KELLOG ST INTERSECTION

H.L. KELLOGG	3450	3390	3400	3335	3350
	3350				3250
H. CURB					
H 1/4	3350	3390	3400	3335	3250
Φ	3350	3390	3400	3335	3250
S 1/4	3350	3390	3400	3335	3250
S CURB					
SL. KELLOGG	3450	3390	3400	3335	3350

37.21 37.21 37.21 37.21 37.21 37.21 37.21
 36.00 3475 3440 3425 3400 3275 3350
 2.51 2.44 1.71 2.96 3.21 3.26 3.71
 2.10 2.60 0.1 2.7 4.7 4.0 0.7
 1.0 2.0 1.0 1.0 1.2 1.0 0.6 0.0
 + 4 - stakes on the East side only for
 City Water Dept. Mar 2 1914
 Donnan, Miller, Shaul

W E
 37.21 H.T.
 13.00
 24.72
 24.10
 37.21 H.T.
 14.00
 23.21 H.T.
 14.00
 1500 ft from W Cor Kellogg & San Antonio

+ 3.5	+ 1.6	37.21	36.67	36.69	36.69	36.69	36.69	36.69	36.69
+ 3.4	+ 1.0	35.49 H.T.	36.00	35.70	35.50	35.20	35.00	34.75	34.50
+ 2.2	+ 0.7	37.14	36.9	36.4	36.1	35.9	35.7	35.4	35.1
+ 2.1	0.0	37.55	37.15	36.7	36.3	35.9	35.5	35.1	34.7

+ 2 - stakes on West side only. May 7 1914

+ 2.0	- 0.3	41.33	41.33	41.33	41.33	41.33	41.33	41.33	41.33
+ 2.0	+ 0.5	41.33	41.33	41.33	41.33	41.33	41.33	41.33	41.33
+ 3.8	+ 0.8	37.15	37.15	37.15	37.15	37.15	37.15	37.15	37.15

315.76	33.75	34.27	34.27	34.27	34.27	34.27	34.27	34.27	34.27
85.2	6.27	5.87	5.87	5.87	5.87	5.87	5.87	5.87	5.87
40.1	3.97	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47
40.7	3.47	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97

+ 3.8	+ 0.8	37.15	37.15	37.15	37.15	37.15	37.15	37.15	37.15
+ 4.3	+ 1.0	37.15	37.15	37.15	37.15	37.15	37.15	37.15	37.15
+ 5.1	+ 2.7	37.15	37.15	37.15	37.15	37.15	37.15	37.15	37.15

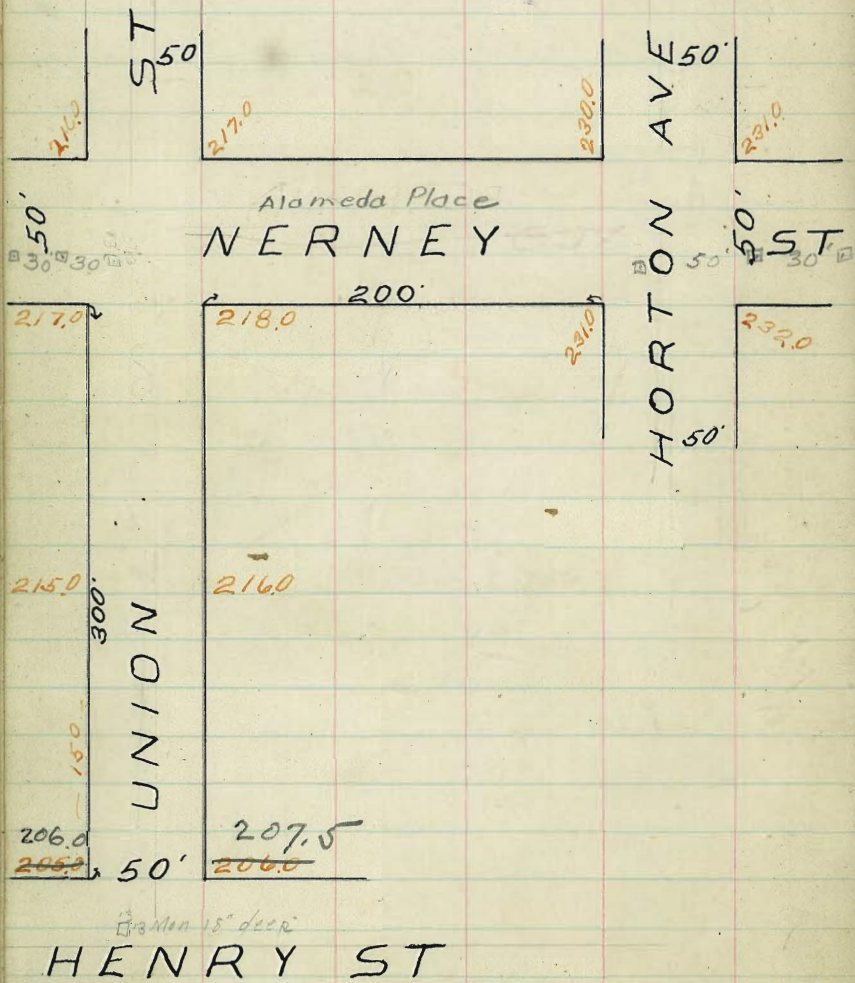
37.15 37.15 37.15 37.15 37.15 37.15 37.15
 36.00 35.25 35.50 35.75 36.00 34.70 34.50
 37.70 H.T. 1.70 1.85 2.2 2.45 2.70 2.90 3.20
 31.57 H.T. 35.62 35.62 35.62 35.62 35.62 35.62 35.62
 7.05 33.50 33.75 34.00 34.25 34.50 34.75 35.00
 39.62 H.T. 5.12 4.87 4.62 4.37 4.12 3.87 3.62
 32.75

Donnan, Bedford, Miller, Shaul
 Aug 1914
 Set sidewalk stakes 1' inside of property line = 19" from face of curb.

Chick O'Keefe 11-12-14

GRADES

50' STs 10' WALKS 7.5' QUARTERS
 UNION ST NERNEY TO HENRY
 NERNEY ST ^{AND} UNION TO HORTON



UNION ST

W HENRY TO NERNEY E

300'	217.25	217.00	216.85	217.00	217.40	218.00	218.25
275'	216.92	216.67	216.52	217.17	217.07	217.47	217.92
250'	216.58	216.33	216.18	216.83	216.73	217.33	217.58
225'	216.33	216.00	215.85	216.50	216.40	217.00	217.25
200'	215.92	215.67	215.52	216.17	216.07	216.67	216.92
175'	215.58	215.33	215.18	215.83	215.73	216.33	216.58
150'	215.25	215.00	214.85	215.50	215.40	216.00	216.25
125'	213.59	213.34	213.19	213.84	213.74	214.34	214.59
100'	211.92	211.67	211.52	212.17	212.07	212.67	212.92
75'	210.25	210.00	209.85	210.50	210.40	211.00	211.25
50'	208.59	208.34	208.19	208.84	208.74	209.34	209.59
25'	206.92	206.67	206.52	207.17	207.07	207.67	207.92
N.H. Henry	205.25	205.00	204.85	205.50	205.40	206.00	206.25

209.92	11.19	221.11	221.11	221.11	221.11	30.10	30.10	30.10	1/28	21/28	39
21.11	6.55	3.84	12.12	5.50	16.92	16.83	12.25	11.65	1/4	Shaw	Kura
220.52	14.86	12.27	8.19	5.61	13.48	13.27	11.65	11.65	note - st partly graded		
220.52	7.55	2.66	2.42	4.21	2.68	4.57	4.62	4.62	when 75 - more set		
220.10	+7.2	+2.8	+4.2	+1.4	+5.5	+1.7	+6.2	+6.2			
221.11	221.11	221.11	221.11	30.10	30.10	30.10	30.10	30.10			
21.11	6.55	3.84	12.12	5.50	16.92	16.83	12.25	11.65			
220.52	14.86	12.27	8.19	5.61	13.48	13.27	11.65	11.65			
220.52	7.55	2.66	2.42	4.21	2.68	4.57	4.62	4.62			
220.10	+7.2	+2.8	+4.2	+1.4	+5.5	+1.7	+6.2	+6.2			
209.92	10.65	219.0	217.0	217.25	216.58	216.33	217.83	217.58			
220.57	2.57	3.57	3.82	3.99	4.24	3.24	2.99				
218.25	1.32	215.92	215.25	215.00	216.0	212.67	208.59				
216.92	3.63	4.65	5.32	5.57	4.57	7.90	11.98				
209.92	7.59	216.0	216.25	213.41					Feb. 9/13	shells	allow
217.51	1.51	1.26	4.10								
212.0	209.25			213.16	8.50	5.60					
209.92	5.51	8.26	210.33	207.5	206.0	200					
218.81	7.18	9.76	11.37								
207.8	11.31	12.81	9.81	8.48	5.65	6.81					
215.0	3.81	2.81	2.14	3.14							
216.33	2.48	1.48	0.81	1.81							

INTERSECTION
UNION AND WERNER

40

N		E L UNION						S
	217.25	CURB					CURB	
E L UNION	217.00	217.00	216.85	217.00	217.40	218.00	218.25	
E CURB	217.00	217.00	216.65	217.30	217.20	218.00	218.00	
E 1/4	216.40	215.75	216.50	217.15	217.05	216.75	217.40	
CENTER	216.50	215.50	216.35	217.00	216.90	216.50	217.50	
W 1/4	215.85	215.25	216.20	216.85	216.75	216.25	216.85	
W CURB	215.00	215.00	216.05	216.70	216.60	217.00	216.00	
W L UNION	216.25	216.00	215.85	216.50	216.40	217.00	217.25	

NERNEY ST

N UNION ST TO HORTON AVE

S

St.	C	1/4	1/4	C	St.
200' 23024					
ALL HORTON	23020	22985	23050	23040	23100 23125
175' 22862	22837	22822	22862	22852	22957 22962
150' 22700	22675	22660	22725	22715	22775 22800
125' 22537	22512	22497	22562	22552	22612 22637
100' 22375	22350	22335	22400	22390	22450 22475
75' 22212	22187	22172	22237	22227	22287 22312
50' 22050	22025	22010	22075	22065	22125 22150
25' 21887	21862	21847	21912	21902	21962 21987
21725					
E UNION	21700	21685	21750	21740	21800 21825

23010 H	30.10	30.10	30.10	30.10	34.08
4.78 71.0	22.75	22.75	24.75	27.25	31.25
22932	15.65	2.34	5.35	2.85	2.83
4.76	17.46	15.75	6.55		3.42
234.08 H	5.0	-6.4	-1.2		-0.6
	30.10	30.10	30.10	30.10	34.08
	17.00	21.00	24.00	28.00	30.50
	13.10	8.60	4.10	2.10	3.58
	21.50	8.80	10.60	3.80	5.18
	-8.4	-4.2	-4.5	-1.7	-1.6

234.05
2.43
234.05

30.10
11.65
18.45

30.10
10.60
19.50

41

30.10
15.75
14.35

30.10
24.10
10.60
19.50

60' ST 10' WALKS 10' QUARTERS

GRADES

HOOKEER STREET

From S-Line DOUGLASS TO

S-Line WASHINGTON

+ sec BOOK 822
Estimate .. "8"

42

WASHINGTON ST

270.5

270.0

300'

HOOKEER ST

20' 4"

300'

266.5

266.0

50'

DOUGLASS ST.

266.0

60'

265.5

60' ST 10' WIDE 10' 1/4 S

GRADES

HOOKER ST

W DOUGLASS ST INTERSECTION

²⁶⁶⁷⁵
N-2 Douglass 26650 26597 26635 26572 26600 26625

N-Curb ²⁶⁶⁵⁰ 26650 26592 26621 26577 26600 26600
_{26550 26550 26500 26500}

N-1/4 26510 26538 26588 26635 26580 26488 26560

²⁶⁶³³
Center 26525 26584 26625 26584 26475 26575

S-1/4 26560 26573 26580 26535 26588 26463 26510

²⁶⁵⁰⁰
²⁶⁶⁰⁰ S-Curb 26600 26577 26635 26592 26450 26550
_{26500 26500 26500 26500}

²⁶⁶²⁵
S-2 Douglass 26600 26572 26635 26597 26550 26575

HOOKER ST

W DOUGLASS TO WASHINGTON

E W E

S. Washington

300' 270.75 270.50 269.97 270.25 269.72 270.00 270.25 +3.1 +2.1

275' 270.41 270.16 269.63 269.91 269.38 269.66 269.91

250' 270.08 269.83 269.30 269.58 269.05 269.33 269.58 +4.2 +4.0

225' 269.75 269.50 268.97 269.25 268.72 269.00 269.25

200' 269.41 269.16 268.63 268.91 268.38 268.66 268.91 +4.3 +4.7

175' 269.08 268.83 268.30 268.58 268.05 268.33 268.58

150' 268.75 268.50 267.97 268.25 267.72 268.00 268.25 +3.7 +3.6

125' 268.41 268.16 267.63 267.91 267.38 267.66 267.91

100' 268.08 267.83 267.30 267.58 267.05 267.33 267.58 +2.3 +1.8

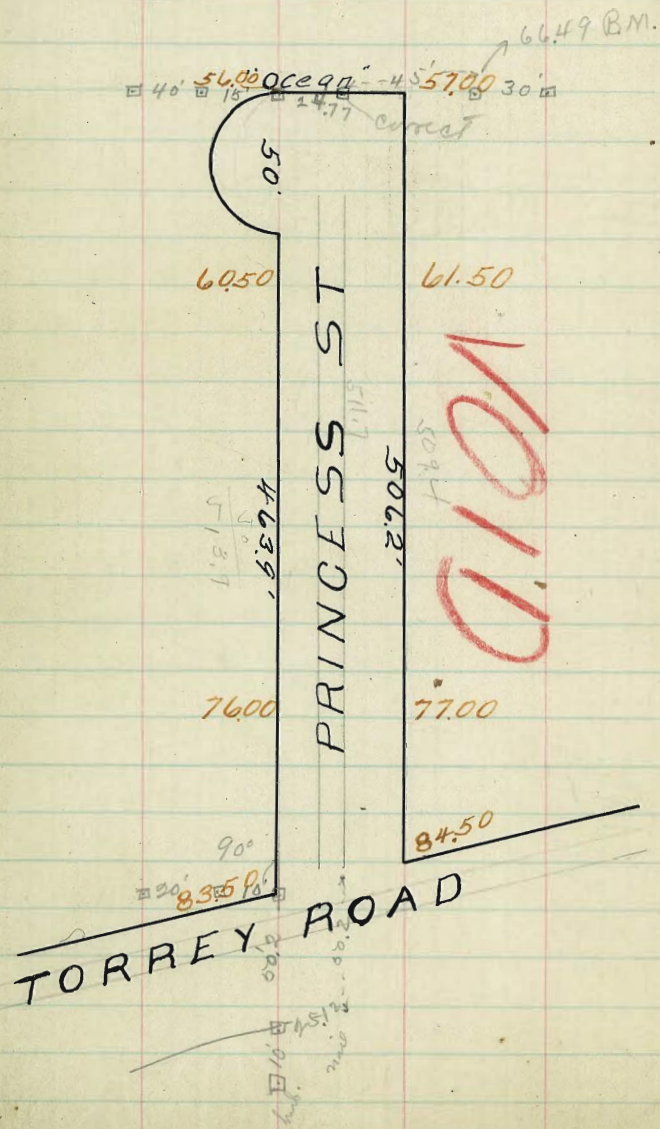
75' 267.75 267.50 266.97 267.25 266.72 267.00 267.25

50' 267.41 267.16 266.63 266.91 266.38 266.66 266.91 +1.4 0.0

25' 267.08 266.83 266.30 266.58 266.05 266.33 266.58

266.75
N. Douglass 266.50 265.97 266.25 265.72 266.00 266.25 +0.5 -1.5

50' ST 10' W OIK 7.5' Quarters
 GRADES
 PRINCESS ST
 Torrey Road to Ocean



66.49	57.25	57.77
24.3		61.13
62.5	68.92	57.7
5.5	58.25	58.18
7.5	10.17	10.74
53.00	62	57.70
3.75	7.5	11.22
16.2	6.42	6.17
	57.82	2.06
	6.27	4.11
	64.09	4.23
350/10.30	4.12	11.0
10.00	5.30	5.22
3.00	2.17	66.75
25.0	6.75	9.48
50.0	8.40	5176.23
	78.30	68.68
	16.17	70.74
	10.700	7.53
	9.702	7.074
	9.980	5.49
	4.702	2.20
	2.780	72.80
	3.31	3.43
	73.3	
	78.61	
	33	
	38	

50' ST 10' WALKS 7.5' QUARTERS

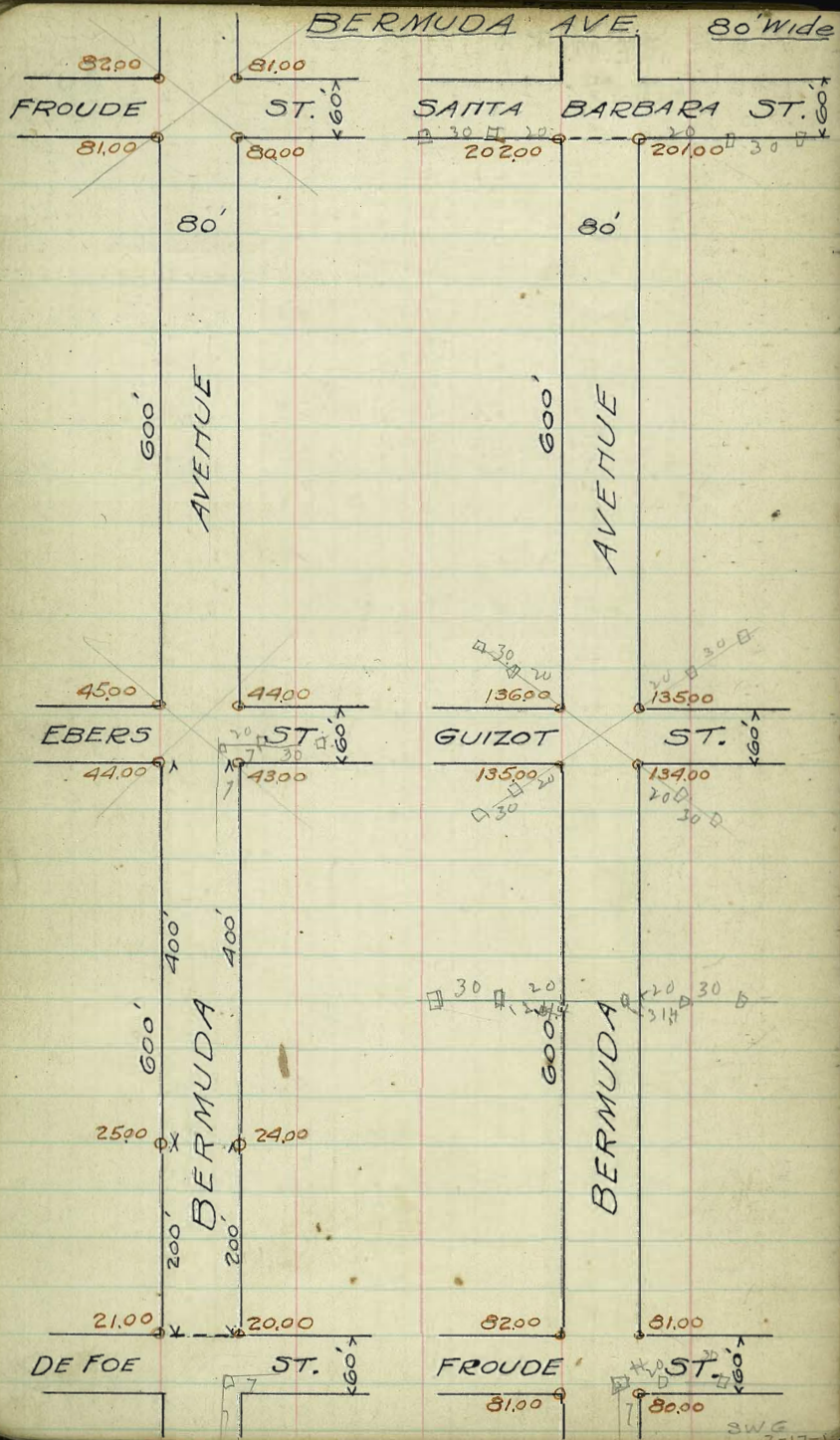
GRADES

PRINCESS ST TORREY ROAD TO OCEAN

West	E						East
56.25	56.00	55.85	56.50	56.40	57.00	57.25	
57.65	57.40	57.25	57.90	57.80	58.40	58.65	
59.06	58.81	58.66	59.31	59.21	59.81	60.06	
60.46	60.31	60.06	60.71	60.61	61.31	61.46	
60.75	60.50	60.35	61.00	60.90	61.50	61.75	
61.72	61.47	61.32	61.97	61.87	62.47	62.72	
62.93	62.68	62.53	63.18	63.08	63.68	63.93	
64.14	63.89	63.74	64.39	64.29	64.89	65.14	
65.35	65.10	64.95	65.60	65.50	66.10	66.35	
66.56	66.31	66.16	66.81	66.71	67.31	67.56	
67.77	67.52	67.37	68.02	67.92	68.52	68.77	
68.98	68.73	68.58	69.23	69.13	69.73	69.98	
70.19	69.94	69.79	70.44	70.34	70.94	71.19	
71.40	71.15	71.00	71.65	71.55	72.15	72.40	
72.61	72.36	72.21	72.86	72.76	73.36	73.61	
73.82	73.57	73.42	74.07	73.97	74.57	74.82	
75.03	74.78	74.63	75.28	75.18	75.78	76.03	
76.25	76.00	75.85	76.50	76.40	77.00	77.25	
77.92	77.67	77.54	78.20	78.14	78.74	78.99	
79.58	79.33	79.22	79.91	79.88	80.48	80.73	
81.25	81.00	80.91	81.61	81.62	82.22	82.47	
82.92	82.67	82.60	83.32	83.36	83.96	84.21	
83.34	83.09	83.05	83.80	83.90	84.50	84.75	
83.75	83.50	83.45	84.20	84.30			

82.95 B.M. 3' nails in pole about 5' East

Princess St		8332		8375	8340	8292	46
0.47		0.6	2.92	1.43	1.2	4.0	7.9
83.32 H.I.	13.9	-3.9		1.7	2.3	5.5	3.74
84.0	0.6	2.92		2.1	2.8	5.1	11.20
0.7	2.3	3.41		6.82	7.07	9.50	9.75
1.8	-2.9	9.51		10.22	15.72	9.1	9.01
-2.5		-6.1		-3.4	-8.7	10.4	10.2
71.40	12.80	6.898	6.923	6.671	6.654	6.414	6.439
11.92	70.52	2.64	2.39	4.91	5.06	7.48	7.23
12.42	1.0	3.44	2.79	3.1	6.06	8.38	4.03
-0.5	71.62	-0.8	-0.4	4.8	-1.0	+2.1	+3.2
60.25	61.0	13.04		56.25	64.2	6.23	
10.87	10.62	58.58		4.24	56.5	71.60	
1.47	10.82	1.91		6.64	+7.7	5.11	
-0.6	-0.2	60.49	59.06	1.43		66.49	
		57.31	4.13	-2.4			
		1.18	-2.7				
		2.28					
		-1.1					



Field Book 918
Estimate Book 10

8.9
4.9
54.6
78.55
12.24
90.79
7.4
89.53
13.60
102.83
1.11
101.72
8.66
111.38

47

SWC
2-17-11

BERMUDA AVE 30' ST

DE FOE TO EBERS

	S	Curb	1/4	¢	1/4	Curb	IT
E.L. of DE FOE	20.25	20.00	19.85	20.50	20.40	21.00	21.25
03' E	20.31	20.06	19.91	20.56	20.46	21.06	21.31
50' E	21.25	21.00	20.85	21.50	21.40	22.00	22.25
100'	22.25	22.00	21.85	22.50	22.40	23.00	23.25
150'	23.25	23.00	22.85	23.50	23.40	24.00	24.25
200'	24.25	24.00	23.85	24.50	24.40	25.00	25.25
250'	26.62	26.37	26.22	26.87	26.77	27.37	27.62
300'	29.00	28.75	28.60	29.25	29.15	29.75	30.00
350'	31.37	31.12	30.97	31.62	31.52	32.12	32.37
400'	33.75	33.50	33.35	34.00	33.90	34.50	34.75
450'	36.11	35.86	35.71	36.36	36.26	36.86	37.11
500'	38.50	38.25	38.10	38.75	38.65	39.25	39.50
550'	40.87	40.62	40.47	41.12	41.02	41.62	41.87
WL of Ebers	42.25	42.00	41.85	42.50	42.40	43.00	43.25

EBERS ST INTERSECTION 60' ST

WL EBERS	42.25	43.00	42.85	43.50	43.40	44.00	44.25	-1.0	-0.5
W Curb	43.00	43.00	43.00	43.67	43.57	44.00	44.00		
W 1/4	42.85	42.25	43.19	43.84	43.74	43.25	42.85		
¢	43.50	42.50	43.35	44.00	43.90	43.50	44.50	+0.2	+1.6
E 1/4	43.40	42.75	43.52	44.17	44.07	43.75	44.40		
E Curb	44.00	44.00	43.69	44.34	44.24	45.00	45.00		
E.L. EBERS	44.25	44.00	43.85	44.50	44.40	45.00	45.25	+0.1	+2.3

2111 47.81
Eber

2111 47.81

48

S	IT	2111	2903	2903	2903	2903	2903	2903	2903
0.0	0.0	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
-0.8	-1.5	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
-1.5	-1.8	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
-0.5	-1.8	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
+0.8	-1.4	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
+1.8	-0.9	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
+1.1	-1.5	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
+0.2	-1.0	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
-1.0	-0.2	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
-0.7	-0.8	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
-0.8	-1.6	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
-1.0	-1.6	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
-1.2	-1.2	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03
-1.0	-0.5	21.11	29.03	29.03	29.03	29.03	29.03	29.03	29.03

Checked OK blough
1-25-15

BERMUDA AVE.

EBERS TO FROUDE

	S	Curb	1/4	¢	1/4	Curb	N	
E.L. EBERS	✓	44.25	44.00	43.85	44.50	44.40	45.00	45.25
50' E	✓	44.25	44.00	46.85	47.50	47.40	48.00	48.25
100	✓	50.25	50.00	49.85	50.50	50.40	51.00	51.25
150	✓	53.25	53.00	52.85	53.50	53.40	54.00	54.25
200	✓	56.25	56.00	55.85	56.50	56.40	57.00	57.25
250	✓	59.25	59.00	58.85	59.50	59.40	60.00	60.25
300	✓	62.25	62.00	61.85	62.50	62.40	63.00	63.25
350	✓	65.25	65.00	64.85	65.50	65.40	66.00	66.25
400	✓	68.25	68.00	67.85	68.50	68.40	69.00	69.25
450	✓	71.25	71.00	70.85	71.50	71.40	72.00	72.25
500	✓	74.25	74.00	73.85	74.50	74.40	75.00	75.25
550		77.25	77.00	76.85	77.50	77.40	78.00	78.25
W.L. FROUDE		80.25	80.00	79.85	80.50	80.40	81.00	81.25
600 E								

FROUDE ST INTERSECTION 60' ST

W.L. FROUDE	80.25	80.00	79.85	80.50	80.40	81.00	81.25
W. Curb	80.00	80.00	80.00	80.67	80.57	81.00	81.00
W 1/4	79.85	79.25	80.19	80.74	80.74	80.25	80.85
¢	80.50	79.50	80.35	81.00	80.90	80.50	81.50
E 1/4	80.40	79.75	80.51	81.17	81.07	80.75	81.40
E Curb	80.00	80.00	80.68	81.34	81.24	82.00	82.00
E.L. FROUDE	81.25	81.00	79.85	81.50	81.40	82.00	82.25

mm SW Froude 78.85

S	N	4781	5964	5964	5964	5964	5964	5964
+0.1	+23	11.85	10.2	12.7	10.2	10.2	10.2	10.2
-0.3	+1.1	59.64	49.2	46.9	46.9	46.9	46.9	46.9
-0.1	0.0	71.25	71.25	71.25	71.25	71.25	71.25	71.25
+0.4	-0.3	71.25	71.25	71.25	71.25	71.25	71.25	71.25
+1.1	+0.2	71.25	71.25	71.25	71.25	71.25	71.25	71.25
+1.1	-0.4	71.25	71.25	71.25	71.25	71.25	71.25	71.25
+1.1	-1.5	71.25	71.25	71.25	71.25	71.25	71.25	71.25
+0.5	-1.2	71.25	71.25	71.25	71.25	71.25	71.25	71.25
+0.3	-1.5	71.25	71.25	71.25	71.25	71.25	71.25	71.25
-0.4	-1.0	71.25	71.25	71.25	71.25	71.25	71.25	71.25
-1.0	-0.8	71.25	71.25	71.25	71.25	71.25	71.25	71.25
-1.5	-0.3	71.25	71.25	71.25	71.25	71.25	71.25	71.25
-1.7	-0.2	71.25	71.25	71.25	71.25	71.25	71.25	71.25

Checked OK
1-25-45 Calm

BERMUDA AVENUE

FROUDE TO GUIZOT

	S	Curb	1/4	±	1/4	Curb	M
EL. FROUDE	81.25	81.00	79.85	81.50	81.40	82.00	82.25
50' E	85.67	85.42	85.27	85.92	85.82	86.42	86.67
100'	89.08	89.83	89.68	90.33	90.23	90.83	91.08
150	94.50	94.25	94.10	94.75	94.65	95.25	95.50
200	98.91	98.66	98.51	99.16	99.06	99.66	99.91
250	103.33	103.08	102.93	103.58	103.48	104.08	104.33
300	107.75	107.50	107.35	108.00	107.90	108.50	108.75
320 PD	109.52	109.27	109.12	109.77	109.67	110.27	110.52
350	112.16	111.91	111.76	112.41	112.31	112.91	113.16
400	116.58	116.33	116.18	116.83	116.73	117.33	117.58
450	120.99	120.74	120.59	121.24	121.14	121.74	121.99
500	125.41	125.16	125.01	125.66	125.56	126.16	126.41
550	129.83	129.58	129.43	130.08	129.98	130.58	130.83
WL. GUIZOT							
600' E	134.25	134.00	133.85	134.50	134.40	135.00	135.25

GUIZOT ST. INTERSECTION 60' ST

WL. GUIZOT	134.25	134.00	133.85	134.50	134.40	135.00	135.25
W. Curb	134.00	134.00	134.02	134.67	134.57	135.00	135.00
W. 1/4	133.85	133.25	134.19	134.84	134.74	134.25	134.85
±	134.50	133.50	134.35	135.00	134.90	134.50	135.50
E. 1/4	134.40	133.75	134.52	135.17	135.07	134.75	135.40
E. Curb	134.00	134.00				135.00	135.00
EL. GUIZOT	135.25	135.00	134.85	135.50	135.40	136.00	136.25

S	M	S	M
+8.9	+2.2	102.25	102.25
-0.5	+1.5	100.67	100.67
-1.7	+0.9	106.85	106.85
-2.9	-0.9	104.52	104.52
4.47	-1.7	104.49	104.49
-7.5	-3.1	115.87	115.87
-10.2	-5.0	114.91	114.91
11.1	-5.9	127.81	127.81
-12.2	-8.5	123.37	123.37
-11.2	-6.3	139.57	139.57
-9.8	-3.8	139.57	139.57
-7.5	-0.7	141.84	141.84
5.46	+2.8	152.25	152.25
-3.8	+2.8	150.00	150.00

Checked OK
1-25-15
Colough

BERMUDA AVENUE

GUIZOT TO SANTA BARBARA

	S	curb	1/4	€	1/4	curb	N
EL. GUIZOT	13525	13500	13485	13550	13540	13600	13625
25' East	13900	13775	13760	13825	13815	13875	13900
50	✓ 14075	14050	14035	14100	14090	14150	14175
75	14350	14325	14310	14375	14365	14425	14450
100	✓ 14625	14600	14585	14650	14640	14700	14725
150	✓ 15175	15150	15135	15200	15190	15250	15275
200	✓ 15725	15700	15685	15750	15740	15800	15825
250	✓ 16275	16250	16235	16300	16290	16350	16375
300	✓ 16825	16800	16785	16850	16840	16900	16925
350	✓ 17375	17350	17335	17400	17390	17450	17475
400	✓ 17925	17900	17885	17950	17940	18000	18025
450	✓ 18475	18450	18435	18500	18490	18550	18575
500	19025	19000	18985	19050	19040	19100	19125
550	✓ 19575	19550	19535	19600	19590	19650	19675
W.L. SANTA BARBARA							
600	20125	20100	20085	20150	20140	20200	20225

Mon Sw Guizot 14185

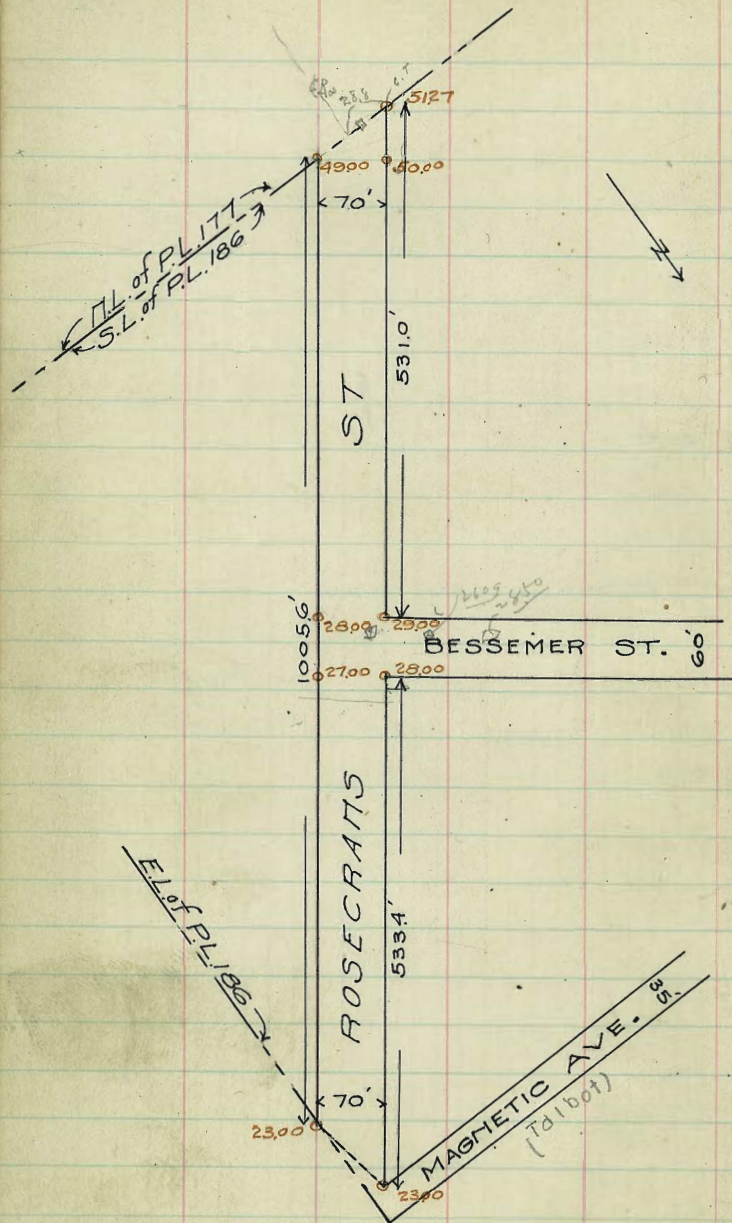
Bon 20048 H 203 SW Santa Barbara

S	N	15225	15225	15225	16410	16410	16410	16410
+6.1	+7.8	151.45 12.64	151.25 14.17	150.25 9.5	155.2 14.6	159.5 14.7	161.3 15.2	161.3 15.2
+9.5	+9.5	164.09 12.04	164.09 12.04	164.09 12.04	164.09 12.04	164.09 12.04	164.09 12.04	164.09 12.04
+9.0	+12.0	171.20 12.20	171.20 12.20	171.20 12.20	171.20 12.20	171.20 12.20	171.20 12.20	171.20 12.20
+6.6	+12.3	183.22 12.20	183.22 12.20	183.22 12.20	183.22 12.20	183.22 12.20	183.22 12.20	183.22 12.20
+4.0	+10.4	195.52 14.84	195.52 14.84	195.52 14.84	195.52 14.84	195.52 14.84	195.52 14.84	195.52 14.84
+1.1	+7.4	204.92 10.06	204.92 10.06	204.92 10.06	204.92 10.06	204.92 10.06	204.92 10.06	204.92 10.06
-0.5	+4.8	200.40 14.88	200.40 14.88	200.40 14.88	200.40 14.88	200.40 14.88	200.40 14.88	200.40 14.88
-2.3	+2.4	141.88 0.53	141.88 0.53	141.88 0.53	141.88 0.53	141.88 0.53	141.88 0.53	141.88 0.53
-2.5	+1.4	140.38 200.44	140.38 200.44	140.38 200.44	140.38 200.44	140.38 200.44	140.38 200.44	140.38 200.44
-1.4	+3.0	203.46 12.05	203.46 12.05	203.46 12.05	203.46 12.05	203.46 12.05	203.46 12.05	203.46 12.05
+0.5	+2.7	190.41 190.43	190.41 190.43	190.41 190.43	190.41 190.43	190.41 190.43	190.41 190.43	190.41 190.43
+1.0	+3.7	177.40 12.97	177.40 12.97	177.40 12.97	177.40 12.97	177.40 12.97	177.40 12.97	177.40 12.97
-0.2	+2.8	177.40 177.40	177.40 177.40	177.40 177.40	177.40 177.40	177.40 177.40	177.40 177.40	177.40 177.40
		200.44 1.07	182.26 98.6	168.03 168.03	168.03 168.03	168.03 168.03	168.03 168.03	168.03 168.03
		191.24 1.07	191.24 1.07	191.24 1.07	191.24 1.07	191.24 1.07	191.24 1.07	191.24 1.07
		192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07
		192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07
		192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07
		192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07
		192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07	192.04 1.07

Checked OK
Calough
1-25-15

ROSECRANS ST. 70' wide.

52



Blue
Grade
Line

ROSECRANS ST. 70' St
Talbot St.
S.L. of P.L. 186 to MAGNETIC AVE.

SL. of P.L. 186 =	E	Curb	1/4	+	1/4	-	Curb	W
These readings on R Line and line 52' 40' with St.								
N.L. of P.L. 177	49.25	49.21	49.20		50.24	50.67	51.27	51.52
53' 45" of P.L. 177 in W These elevations at 45° angles to St.								
N.L. of P.L. 177 in E	49.25	49.00	48.85		49.50	49.40	50.00	50.25
50'	47.05	46.80	46.65		47.30	47.20	47.80	48.05
100'	44.85	44.60	44.45		45.10	45.00	45.60	45.85
150	42.65	42.40	42.25		42.90	42.80	43.40	43.65
200	40.45	40.20	40.05		40.70	40.60	41.20	41.45
250	38.25	38.00	37.85		38.50	38.40	39.00	39.25
300	36.05	35.80	35.65		36.30	36.20	36.80	37.05
350	33.85	33.60	33.45		34.10	34.00	34.60	34.85
400	31.65	31.40	31.25		31.90	31.80	32.40	32.65
450	29.45	29.20	29.05		29.70	29.60	30.20	30.45
S.L. of Bessemer St.								
477.6	27.25	28.00	27.85		28.50	28.40	29.00	29.25
476.7								

Note - The notes for Red Line are in
Book 91 - page 52.

Estimate Book 10

E	W
+4.0	+3.7
+4.0	+1.7
+2.9	+1.0
+1.8	+0.2
+0.7	-0.6
-0.4	-1.3
-1.5	-2.1
-2.7	-2.9
-3.8	-3.6
-4.9	-4.4
-6.0	-5.2
-6.5	-5.5
	-5.0

4+76.8	4+80	4+80	4+80	4+80	4+80	4+80
36.12	36.12	36.12	36.12	36.12	48.47	48.47
29.25	30.45	32.65	34.85	37.05	39.25	41.45
6.91	5.67	3.47	1.27	-0.93	9.12	7.05
11.9	10.5	7.5	3.9	-1.3	10.0	6.6
-5.0	-4.9	4.0	-2.6	-2.2	-0.8	+0.4

Man N.E. Cor. Rosecrans & Talbot. **53**

26.09 B.M. 4
10.00
36.12 HI
35.6 = Rec'd T.R.
12.85
48.47 HI
48.47
47.88
47.6
57.54 HI
57.54
49.0 = B.M. 80 E. the N.W. for Station Rosecrans St on West 77 line
48.92 P.L. 177 (Mr. Baker's & Mr. Ramsey's) Corrected 48.82
57.54 HI
57.54
44.12 B.M. 52 in Fence Post opposite Sta 4+80 on West side of Rosecrans
42.00
40.4
36.81
35.16
47.75 B.M. 77 in West side only

+ B.M. 52 in E. - 1914
Dorman Miller Share.

55.28 55.28
50.00 49.00
55.28 55.28
Silliman's stakes on 3' offset.
Aug 4 - 1914
Dorman Miller Share

Bessemer St Intersection 60' St.

SL. of Bess.	28.25	28.00	27.85		28.50	28.40	29.00	29.25	6.5	5.5
S. Curb	28.08	27.83	27.68		28.33	28.23	29.00	29.00		
S 1/4	27.91	27.66	27.51		28.16	28.06	27.75	28.40		
+	27.75	27.50	27.35		28.00	27.90	27.50	28.50	6.4	5.0
N 1/4	27.58	27.33	27.18		27.83	27.73	27.25	27.85		
N Curb	27.41	27.16	27.01		27.66	27.56	27.00	28.00		
N.L. of Bess.	27.25	27.00	26.85		27.50	27.40	28.00	28.25	6.5	5.5

Bessemer
to MAGNETIC

ROSECRANS ST 70' ST.
C.L. of PL. 156 to MAGNETIC AVE.

E Curb 1/4 @ 1/4 Curb W

PL. of Bass	2725	2700	2685	2750	2740	2800	2825
38' North	2692	2668	2652	2715	2704	2763	2788
38' "	2650	2625	2609	2671	2659	2717	2742
138'	2607	2582	2565	2626	2613	2670	2695
178	2564	2539	2521	2581	2568	2624	2649
238	2521	2496	2477	2536	2522	2576	2601
263	2500	2475	2456	2514	2500	2553	2578
288	2478	2453	2434	2491	2477	2530	2555
338	2435	2410	2390	2447	2432	2483	2508
388	2393	2368	2347	2402	2386	2436	2461
438	2350	2325	2303	2357	2341	2390	2415
PL. 156 on E							
468 North	2325	2300	2278	2332	2316	2365	2390
C.L. of Magnetic Ave. on W.							
PL. 156 on E.							
528 on W.	2325	2300	2260	2300	2260	2300	2325

27.32	28.77	30.23	31.68	33.13	34.58	36.03	37.48	38.93	40.38	41.83	43.28	44.73	46.18	47.63	49.08	50.53
23.25	24.70	26.15	27.60	29.05	30.50	31.95	33.40	34.85	36.30	37.75	39.20	40.65	42.10	43.55	45.00	46.45
6.98	6.93	6.06	5.62	5.15	4.68	4.22	3.74	3.28	2.81	2.35	1.89	1.43	0.97	0.51	0.05	-0.41
6.24	4.7	4.4	3.6	3.0	2.0	1.0	0.1	0.6	3.15	4.3	6.0	7.3	8.6	9.9	11.2	12.5
+0.4	+1.4	+1.7	+2.0	+2.2	+2.2	+1.7	+1.1	+0.1	-0.2	-1.5	-3.6	-5.3	-6.8	-8.1	-9.3	-10.3

E	W	20' to 40' for SW. 7' from Bessemer & Rosecrans.	Stakes on West side only May 7-1914.	Dieman Miller Shard.
65	55			
	-5.3	24.50	26.05	
	4.1	30.04	31.59	
	-3.6	4.55	5.00	
34	24	27.47	28.92	
	-1.5	3.47	3.92	
21	10	28.96	30.41	
	-0.2	1.21	1.66	
-1.0	+0.1	7.44	7.89	
	+0.1	6.62	7.07	
-0.2	+0.9	5.11	5.56	
	+1.1			
+0.1	+1.2			
+0.3	+1.5			
+1.7	+1.7			
+0.6	+1.7			
+0.6	+1.8	21.32	22.77	
	+2.0	27.01	28.46	
+0.3	+1.5	3.72	4.09	
	+1.7			
0.0	+1.1	32.91	34.36	
	+1.4	28.00	29.45	
0.0	0.0	4.91	5.28	
	+0.4			

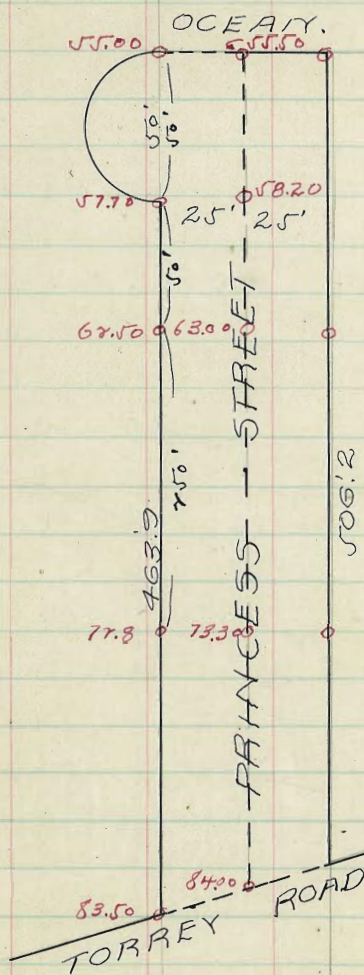
9.83 = Distance South of SW. Cor. Rosecrans & Magnetic to beginning of Curb; grade at this point = 23.09

9.83 = Distance North of SE. Cor. Rosecrans & Magnetic to beginning of Curb; grade at this point = 22.92

side-walk stakes on S. offset Aug 3-1914

Dieman
Miller
Shard

28.2 24.1014



	C, 1/4, 1/2, 3/4, 1			
00 = Km of Street	55.45	55.00	54.85	55.50
25	56.60	56.35	56.20	56.85
50	57.95	57.70	57.55	58.20
75	60.35	60.10	59.96	60.63
100	62.75	62.50	62.35	63.00
125	63.78	63.53	63.38	64.13
150	64.81	64.56	64.41	65.06
175	65.84	65.59	65.44	66.09
200	66.87	66.62	66.47	67.12
225	67.90	67.65	67.50	68.15
250	68.93	68.68	68.53	69.18
275	69.96	69.71	69.56	70.21
300	70.99	70.74	70.59	71.24
325	72.02	71.77	71.62	72.27
350	73.05	72.80	72.65	73.30
375	74.99	74.74	74.45	74.97
400	76.31	76.06	75.75	76.64
425	77.95	77.70	77.60	78.31
450	79.58	79.33	79.25	79.98
475	81.21	80.96	80.90	81.65
500	82.84	82.59	82.56	83.33
513.8 510.4	83.75	83.50	83.35	84.00

5 60' at side

2628

7th St

10' 60"

5-8.05'

~~8' Curbs~~
10' Curbs

2610

2590

320

310

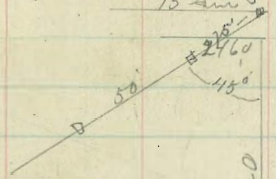
This block
changed
see p. 73

2480

2468

Elm St

13 4m 60"



2460

2440

310

7th St

507

2358

2350

Date

13 4m 60"

2349

2340

127

2d South Park 22787
534

53-

22871

10 N. Fir St	267.75	267.00	261.40	261.00	260.10	260.00	260.25
11 C. Fir St	267.00	261.00	261.16	260.76	259.86	259.00	260.00
14 N. Fir St	261.40	260.75	261.07	260.67	259.77	258.75	259.40
17 N. Fir St	261.50	260.50	260.88	260.48	259.58	258.50	259.50
20 N. Fir St	260.85	260.25	260.74	260.34	259.44	258.25	258.85
S.C. Fir St	261.00	260.00	260.61	260.21	259.31	258.00	259.00
S.L. Fir St	261.75	261.00	260.40	260.00	259.10	258.00	259.25

WL. C 1/4 E 1/4 C 1/4

24 S.L. Fir St	261.00	260.40	260.00	259.10	258.00	259.25
31 S.L. Fir St	261.00	260.40	260.00	259.10	258.00	259.25

270 N.	256.43	256.80	257.05
--------	--------	--------	--------

220 N.	255.62	254.95	254.39
--------	--------	--------	--------

160 Nbk.	252.25	252.00	251.40	251.37	251.06	250.75	251.00
----------	--------	--------	--------	--------	--------	--------	--------

120 N.	251.25	249.56	249.81
--------	--------	--------	--------

70 N.	250.00	248.08	248.33
-------	--------	--------	--------

20 N.	248.75	246.60	246.85
-------	--------	--------	--------

001 N.L. Elm	248.25	248.00	247.40	247.00	246.10	246.00	246.25
--------------	--------	--------	--------	--------	--------	--------	--------

max Elm 420

247.50	247.50	247.50	247.50	247.50	247.50	247.50	247.50
247.50	247.50	247.50	247.50	247.50	247.50	247.50	247.50

677 8-23-14 Clough

250.70	262.73	262.73	262.73	262.73	262.73	262.73	262.73	262.73	262.73
12.02	261.00	260.40	260.11	259.10	259.00	250.75	257.06	257.37	257.40
25.73	1.73	2.33	2.73	3.63	3.73	11.98	11.67	11.36	11.32

Abnt. 3.6 4 high. Recheck again

235.900 m. 246.500

12.25

248.18

1.00

247.14

10.67

256.01

9.31

250.70

9.87

260.57

11.23

249.34

248.75

C. 1.09

260.57

70.17

250.40

250.25

C. 0.15

249.39

260.57	260.57	260.57	260.57	260.57	260.57	260.57
14.57	10.31	14.57	10.10	14.57	9.57	8.80
246.00	251.26	246.00	251.47	246.00	251.00	251.77
248.00	250.00	248.00	249.25	248.00	251.25	252.25
F. 2.00	C. 1.27	F. 2.00	C. 1.27	F. 2.00	C. 1.27	F. 2.00

260.57	260.57	260.57	260.57	260.57	260.57	260.57
5.27	3.10	5.27	3.10	5.27	3.10	5.27
255.30	257.47	255.30	257.47	255.30	257.47	255.30
255.62	258.43	255.62	258.43	255.62	258.43	255.62
F. 0.32	F. 0.96	F. 0.32	F. 0.96	F. 0.32	F. 0.96	F. 0.32

249.39	249.39	249.39	249.39	249.39	249.39	249.39
2.19	2.19	2.19	2.19	2.19	2.19	2.19
249.39	249.39	249.39	249.39	249.39	249.39	249.39
249.39	249.39	249.39	249.39	249.39	249.39	249.39

259.57	259.57	259.57	259.57	259.57	259.57	259.57
246.85	246.60	248.08	248.33	249.36	249.36	250.75
12.92	12.97	14.19	11.22	9.76	10.01	8.82
259.57	259.57	259.57	259.57	259.57	259.57	259.57
254.20	254.20	256.80	257.05	257.25	257.00	257.00
5.27	5.52	2.77	2.52	0.32	2.57	2.57

Final stake EL Fern. Lot Elm + Fir. Clough's Copy 24th Page
80th back in grade. C. back July 16-1914. West - Green

WL c 1/4 c 1/4 c EL

N.L. Elm St. 248.75 48 00 247.40 247.00 246.10 246.00 246.25
 N.C. Elm St. 248.00 347.00 247.06 246.66 245.76 245.00 246.00
 N.E. Elm St. 247.40 246.50 246.73 246.33 245.43 244.50 245.40
 E. Elm St. 247.00 246.00 246.40 246.00 245.10 244.00 245.20
 S.W. Elm St. 246.10 245.50 246.06 245.66 244.76 243.50 244.10
 S.C. Elm St. 246.00 245.00 245.73 245.33 244.43 243.00 244.00
 S.L. Elm St. 246.25 46 00 245.40 245.00 244.10 244.00 244.25

300' W WL c 1/4 c 1/4 c EL

N.L. Elm St. 246.25 46.00 245.40 245.00 244.10 244.00 244.25
 250' N. 245.60 245.34 244.74 244.38 243.50 243.47 243.67
 275' N. 244.81 244.55 243.75 243.63 242.77 242.77 242.96
 250' N. 244.02 243.76 243.16 242.89 242.05 242.01 242.26
 275' N. 243.73 242.97 242.37 242.14 241.33 241.31 241.56
 200' N. 243.44 242.18 241.58 241.39 240.60 240.61 241.86
 175' N. 241.65 241.38 240.78 240.65 239.88 239.91 240.16
 150' N. 240.85 240.59 240.00 239.90 239.15 239.21 239.46
 125' N. 240.06 239.80 239.70 239.15 238.43 238.50 238.75
 100' N. 239.57 239.01 238.41 238.40 237.70 237.80 238.05
 75' N. 238.48 238.22 237.62 237.66 236.98 237.16 237.41
 50' N. 237.68 237.43 236.83 236.79 236.25 236.40 236.65
 25' N. 236.89 236.64 236.04 236.16 235.53 235.70 235.95
 00' N.L. Cote 236.10 35.85 235.25 235.42 234.81 235.00 235.25

25147 25147 24684 24684 24684 24684 24684
 6.96 1.85 5.9 2.1 4.3 7 8.5 5.9
 244.34 241.0 245.0 244.7 242.5 239.8 238.3 237.0
 1.33 244.3 243.4 242 240.5 239.5 238.8 238
 246.84 244.2 243.4 242 240.5 239.5 238.8 238
 11.81 7.34 7.04 6.27 5.1 4.6 4.5 4.5
 235.79 235.79 235.79 235.79 235.79 235.79 235.79 235.79
 1.67 1.67 1.67 1.67 1.67 1.67 1.67 1.67
 237.12 237.12 237.12 237.12 237.12 237.12 237.12 237.12
 1.94 1.94 1.94 1.94 1.94 1.94 1.94 1.94
 235.16 235.16 235.16 235.16 235.16 235.16 235.16 235.16

647 3-23-14 Colony

235.16 235.16 235.16 235.16 235.16 235.16 235.16 235.16
 4.18 3.73 3.83 3.73 3.73 3.73 3.73 3.73
 235.16 235.16 235.16 235.16 235.16 235.16 235.16 235.16
 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85
 237.01 237.01 237.01 237.01 237.01 237.01 237.01 237.01
 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85
 235.16 235.16 235.16 235.16 235.16 235.16 235.16 235.16
 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85
 237.01 237.01 237.01 237.01 237.01 237.01 237.01 237.01
 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85
 235.16 235.16 235.16 235.16 235.16 235.16 235.16 235.16
 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85
 237.01 237.01 237.01 237.01 237.01 237.01 237.01 237.01
 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85

24090 24090 24090 24090 24090 24090 24090 24090
 235.25 235.04 235.83 236.10 237.08 237.43 236.40 236.65
 5.65 5.90 5.05 4.80 3.22 3.47 4.50 4.25

24090 24090 24090 24090 24090 24090 24090 24090
 238.05 237.80 239.2 239.27 240.85 240.67 239.01 239.46
 2.85 3.10 1.88 1.65 0.85 0.31 1.69 1.44

235.90 24052 24452 24052 24452 24052 24452 24052 24452
 8.62 240.55 240.57 239.21 239.46 240.86 240.61 242.18 242.44
 247.52 3.67 3.93 5.31 5.06 3.66 3.91 2.34 2.08
 1.85 242.67 6.71 244.52 244.52 244.52 244.52 244.52 244.52
 249.57 244.02 243.77 242.01 242.06 244.57 244.57 244.57 244.57
 42.26 0.50 0.75 2.51 2.26 5.90 6.15 4.22 3.97
 7.31 244.57 244.57 244.57 244.57 244.57 244.57 244.57
 246.25 246.00 244.00 244.25 3.32 3.57 5.57 5.32

244.52 244.52 244.52 244.52 244.52 244.52 244.52 244.52
 244.02 243.77 242.01 242.06 244.57 244.57 244.57 244.57
 42.26 0.50 0.75 2.51 2.26 5.90 6.15 4.22 3.97
 7.31 244.57 244.57 244.57 244.57 244.57 244.57 244.57
 246.25 246.00 244.00 244.25 3.32 3.57 5.57 5.32

244.57 244.57 244.57 244.57 244.57 244.57 244.57 244.57
 246.25 246.00 244.00 244.25 3.32 3.57 5.57 5.32

Final stakes July
 251.03 251.03 251.03 251.03 251.03 251.03 251.03 251.03
 246.81 244.74 244.23 243.50 243.42 246.10 247.19 247.40 248.00
 5.23 6.24 6.65 7.33 7.61 4.73 4.03 3.63 3.03
 5.68 241.08 241.08 241.08 241.08 241.08 241.08 241.08
 235.92 235.5 236.42 236.81 236.20 234.45 233.87 234.90
 5.19 5.83 5.66 6.27 6.78 6.63 7.21 6.18
 247.88 00 25.70 251.38 251.38 251.38 251.38
 251.08 244.74 244.38 243.50 243.42 6.04 6.64 7.00 7.88 7.76

251.03 251.03 251.03 251.03 251.03 251.03 251.03 251.03
 246.81 244.74 244.23 243.50 243.42 246.10 247.19 247.40 248.00
 5.23 6.24 6.65 7.33 7.61 4.73 4.03 3.63 3.03
 5.68 241.08 241.08 241.08 241.08 241.08 241.08 241.08
 235.92 235.5 236.42 236.81 236.20 234.45 233.87 234.90
 5.19 5.83 5.66 6.27 6.78 6.63 7.21 6.18
 247.88 00 25.70 251.38 251.38 251.38 251.38
 251.08 244.74 244.38 243.50 243.42 6.04 6.64 7.00 7.88 7.76

241.08 241.08 241.08 241.08 241.08 241.08 241.08 241.08
 235.92 235.5 236.42 236.81 236.20 234.45 233.87 234.90
 5.19 5.83 5.66 6.27 6.78 6.63 7.21 6.18
 247.88 00 25.70 251.38 251.38 251.38 251.38
 251.08 244.74 244.38 243.50 243.42 6.04 6.64 7.00 7.88 7.76

00 00 25.70 251.38 251.38 251.38 251.38
 251.08 244.74 244.38 243.50 243.42 6.04 6.64 7.00 7.88 7.76

E STREET

27th Street

181.00 80 180.00

145.80

144.80

142.40

141.40

141.05

140.05

141.70

140.70

144.43

143.43

600

EST.

189.00

188.00

26th Street

141.30
137.57
3.73
1.57
5.60 out for slope

140.30
135.01
5.29
2.07
7.40 out for slope

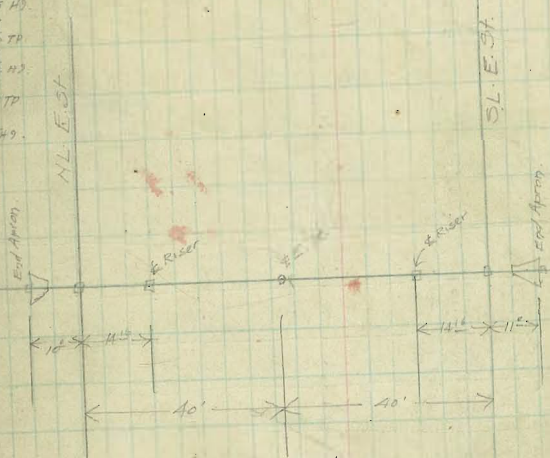
North side

W	E	E	W	E	E
145.97	145.97	145.97	145.97	145.97	145.97
141.33	141.62	141.17	146.13	140.05	140.22
4.64	4.72	4.80	5.84	5.92	5.75

188.01 B.N.H. 204 E
1.42

- 181.13 H3
- 12.36
- 177.07 TP
- 0.23
- 177.30 H2
- 11.64
- 165.66 TP
- 0.19
- 165.85 H3
- 12.95
- 152.90 TP
- 1.12
- 154.04 H3
- 11.91
- 142.13 TP
- 3.84
- 143.77 H3

Sketch showing Est. Culvert



- 140.05
- 10.54
- 129.59 H2
- 1.00
- 149.59 TP
- 11.28
- 161.07 H3
- 0.53
- 160.47 TP
- 11.50
- 171.97 H3
- 0.24
- 171.75 TP
- 4.66
- 172.41 H3
- 7.22
- 168.98
- 168.98 - B.N.H. 204 TP

35' E of FL 21.51

North side

W	E	E	W	E	E
143.51	143.51	143.51	143.51	143.51	143.51
5.21	5.94	6.91	6.56	7.69	8.14
138.30	137.57	137.10	136.45	135.82	135.37
2.90 F	137.91	137.51	136.66	135.82	135.34
	0.41	0.27	1.00	0.03	1.00

- 138.30
- 137.91
- 137.97
- 4.6
- 137.51
- 14.5.75 H3
- .85
- 136.66
- .84
- 135.82
- .47
- 135.35

Auto set for 4 Culvert

W	E	E	W	E	E
145.95	145.95	145.95	145.95	145.95	145.95
140.70	140.55	141.20	141.10	141.70	
5.25	5.40	4.75	4.65	4.25	
5.00	5.34			4.10	
5.13				4.10	
145.95	145.95	145.95	145.95	145.95	
141.05	140.25	140.55	141.70	140.05	
4.90	5.50	5.70	6.05	5.00	
7.65	6.03			5.05	
4.78				5.18	
145.95	145.95	145.95	145.95	145.95	
142.44	141.80	141.90	141.25	141.44	
3.53	4.15	4.05	4.70	4.65	
2.30	2.03			3.30	
3.43				4.43	

- 3267
- 2.6
- 196.03
- 1.88 H3
- 94.7 H2

E Street.

	NL							SL							
600 = W.L. 27th	181.25	181.00	180.40	180.50	179.85	180.00	180.25	176.85	176.60	176.00	176.10	175.65	175.60	175.85	176.25
575	176.85	176.60	176.00	176.10	175.65	175.60	175.85	172.45	172.20	171.60	171.70	171.25	171.20	171.45	171.85
550	172.45	172.20	171.60	171.70	171.25	171.20	171.45	168.05	167.80	167.20	167.30	166.85	166.80	167.05	167.45
525	168.05	167.80	167.20	167.30	166.85	166.80	167.05	163.65	163.40	162.80	162.90	162.45	162.40	162.65	163.05
500	163.65	163.40	162.80	162.90	162.45	162.40	162.65	159.25	159.00	158.40	158.50	158.05	158.00	158.25	158.65
475	159.25	159.00	158.40	158.50	158.05	158.00	158.25	154.85	154.60	154.00	154.10	153.65	153.60	153.85	154.25
450	154.85	154.60	154.00	154.10	153.65	153.60	153.85	150.45	150.20	149.60	149.70	149.25	149.20	149.45	149.85
425	150.45	150.20	149.60	149.70	149.25	149.20	149.45	146.05	145.80	145.20	145.30	144.85	144.80	145.05	145.45
400	146.05	145.80	145.20	145.30	144.85	144.80	145.05	142.65	142.40	141.80	141.90	141.45	141.40	141.65	142.05
375	142.65	142.40	141.80	141.90	141.45	141.40	141.65	138.25	138.00	137.40	137.50	137.05	137.00	137.25	137.65
350	138.25	138.00	137.40	137.50	137.05	137.00	137.25	134.85	134.60	134.00	134.10	133.65	133.60	133.85	134.25
325	134.85	134.60	134.00	134.10	133.65	133.60	133.85	131.45	131.20	130.60	130.70	130.25	130.20	130.45	130.85
300	131.45	131.20	130.60	130.70	130.25	130.20	130.45	128.05	127.80	127.20	127.30	126.85	126.80	127.05	127.45
275	128.05	127.80	127.20	127.30	126.85	126.80	127.05	124.65	124.40	123.80	123.90	123.45	123.40	123.65	124.05
250	124.65	124.40	123.80	123.90	123.45	123.40	123.65	122.25	122.00	121.40	121.50	121.05	121.00	121.25	121.65
225	122.25	122.00	121.40	121.50	121.05	121.00	121.25	119.85	119.60	119.00	119.10	118.65	118.60	118.85	119.25
200	119.85	119.60	119.00	119.10	118.65	118.60	118.85	117.45	117.20	116.60	116.70	116.25	116.20	116.45	116.85
175	117.45	117.20	116.60	116.70	116.25	116.20	116.45	115.05	114.80	114.20	114.30	113.85	113.80	114.05	114.45
150	115.05	114.80	114.20	114.30	113.85	113.80	114.05	112.65	112.40	111.80	111.90	111.45	111.40	111.65	112.05
125	112.65	112.40	111.80	111.90	111.45	111.40	111.65	110.25	110.00	109.40	109.50	109.05	109.00	109.25	109.65
100	110.25	110.00	109.40	109.50	109.05	109.00	109.25	107.85	107.60	107.00	107.10	106.65	106.60	106.85	107.25
75	107.85	107.60	107.00	107.10	106.65	106.60	106.85	105.45	105.20	104.60	104.70	104.25	104.20	104.45	104.85
50	105.45	105.20	104.60	104.70	104.25	104.20	104.45	103.05	102.80	102.20	102.30	101.85	101.80	102.05	102.45
25	103.05	102.80	102.20	102.30	101.85	101.80	102.05	100.65	100.40	99.80	99.90	99.45	99.40	99.65	100.05
0 = E.L. 26th	100.65	100.40	99.80	99.90	99.45	99.40	99.65	98.25	98.00	97.40	97.50	97.05	97.00	97.25	97.65

Vertical Curve

27 FF Nov - 157.36
27 FF Nov - 168.98

188.01 B.M. Plug NW 2-3E

	192.26	192.26	192.26	192.26	199.88	199.88
-0.7 -0.2	192.26 12.93	192.26 2.66	192.26 3.10	192.26 3.60	199.88 2.34	199.88 4.92
	177.33 TP 0.85	187.60 0.35	187.76 0.71	188.26 27.87	187.76 24.8	176.68 23.21
	179.88 M. 12.71	179.88 12.58	179.88 13.82	179.88 11.60	184.78 4.68	184.78 5.22
+3.2 -7.6	166.97 TP 0.35	167.80 12.79	166.00 12.79	155.92 157.04	158.04 157.71	150.10 147.56
	167.32 M. 12.79	165.91 12.79	162.97 12.79	157.04 157.04	157.71 157.71	147.56 142.55
	154.58 TP 8.23	154.58 M. 3.30	143.51 13.01	143.51 13.80	143.51 5.80	143.51 1.50
+3.3 -2.5	141.77 TP 1.74	141.77 TP 1.74	143.31 143.31	139.80 140.75	137.71 141.95	141.77 141.65
	143.51 M. 1.29	143.51 M. 1.29	143.31 143.31	140.75 140.75	141.95 141.95	141.65 141.65
-0.2 -6.5	142.22 TP 11.57	142.22 TP 11.57	154.09 8.22	154.09 13.17	154.09 4.25	165.22 10.22
	154.09 M. 0.42	154.09 M. 0.42	146.07 146.07	146.07 146.07	149.69 152.25	155.00 154.88
	153.67 TP 11.55	153.67 TP 11.55	146.07 11.55	146.07 14.15	149.69 14.16	160.28 152.65
-0.8 -4.1	165.22 TP 1.99	165.22 TP 1.99	175.46 8.22	175.46 6.46	175.46 -0.26	185.18 3.92
	165.22 M. 1.99	165.22 M. 1.99	175.46 8.22	175.46 6.46	175.46 -0.26	185.18 3.92
-0.8 -4.0	163.22 TP 12.23	163.22 TP 12.23	163.22 12.23	163.22 12.23	175.72 172.45	181.20 181.20
	175.46 M. 12.23	175.46 M. 12.23	163.22 12.23	163.22 12.23	175.72 172.45	181.20 181.20
-3.9 -8.0	175.46 TP 17.29	175.46 TP 17.29	175.46 17.29	175.46 17.29	175.46 17.29	175.46 17.29
	175.46 M. 17.29	175.46 M. 17.29	175.46 17.29	175.46 17.29	175.46 17.29	175.46 17.29
-4.2 -4.5	185.18 TP 9.84	185.18 TP 9.84	185.18 9.84	185.18 9.84	185.18 9.84	185.18 9.84
	185.18 M. 9.84	185.18 M. 9.84	185.18 9.84	185.18 9.84	185.18 9.84	185.18 9.84
-4.3 -4.2	185.18 TP 19.73	185.18 TP 19.73	185.18 19.73	185.18 19.73	185.18 19.73	185.18 19.73
	185.18 M. 19.73	185.18 M. 19.73	185.18 19.73	185.18 19.73	185.18 19.73	185.18 19.73
-2.2 -1.1	178.77 TP 12.83	178.77 TP 12.83	178.77 12.83	178.77 12.83	178.77 12.83	178.77 12.83
	178.77 M. 12.83	178.77 M. 12.83	178.77 12.83	178.77 12.83	178.77 12.83	178.77 12.83
-2.7 -0.8	182.67 TP 13.10	182.67 TP 13.10	182.67 13.10	182.67 13.10	182.67 13.10	182.67 13.10
	182.67 M. 13.10	182.67 M. 13.10	182.67 13.10	182.67 13.10	182.67 13.10	182.67 13.10
-1.0 -1.2	185.01 TP 11.44	185.01 TP 11.44	185.01 11.44	185.01 11.44	185.01 11.44	185.01 11.44
	185.01 M. 11.44	185.01 M. 11.44	185.01 11.44	185.01 11.44	185.01 11.44	185.01 11.44
+0.8 +3.2	145.80 TP 0.21	145.80 TP 0.21	145.80 0.21	145.80 0.21	145.80 0.21	145.80 0.21
	145.80 M. 0.21	145.80 M. 0.21	145.80 0.21	145.80 0.21	145.80 0.21	145.80 0.21
+4.3 +7.8	182.67 TP 11.51	182.67 TP 11.51	182.67 11.51	182.67 11.51	182.67 11.51	182.67 11.51
	182.67 M. 11.51	182.67 M. 11.51	182.67 11.51	182.67 11.51	182.67 11.51	182.67 11.51
4.0 0.0	185.63 TP 5.57	185.63 TP 5.57	185.63 5.57	185.63 5.57	185.63 5.57	185.63 5.57
	185.63 M. 5.57	185.63 M. 5.57	185.63 5.57	185.63 5.57	185.63 5.57	185.63 5.57

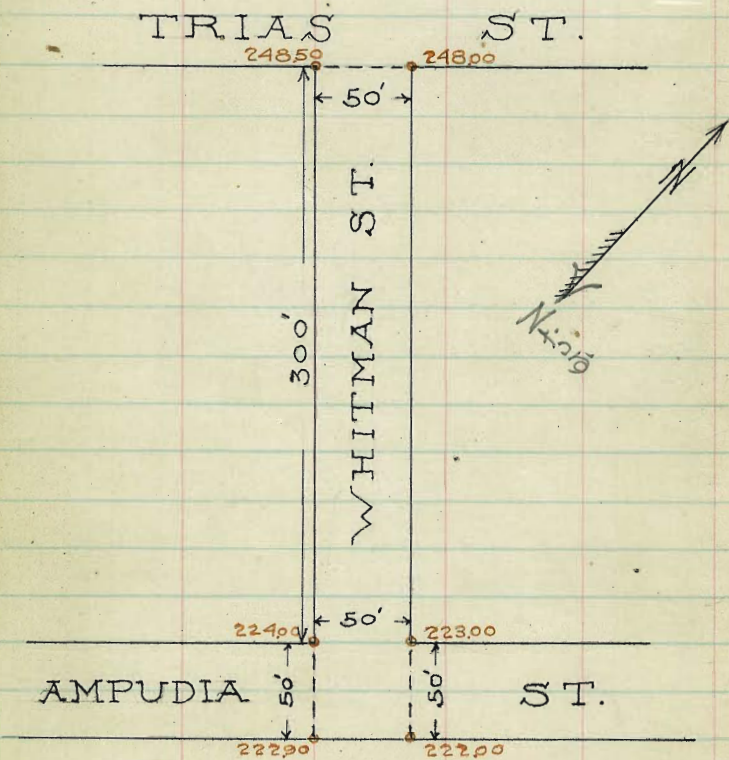
492 E NW
379 NW
501 NW
517 NW
413 NW
512 NW
476 NW
399 NW
478 NW
500 NW
418 NW
492 NW

WHITMAN STREET 50' WIDE
10' WALKS
7 1/2' QUARTER

Field Books 826 and 868

Estimate Book 10

63



1" = 100'

MAY 5-1914

50' ST.
10' Walks

WHITMAN STREET.

TRIAS TO AMPUDIA

Field Books 826 and 868
Estimate Book 10

	3/4 Quarters	Curb	1/4	±	1/4	Curb	π
W.L. of TRIAS	248.25	248.00 ^{2h}	247.75	248.25	247.90	248.50	248.75
25' W	246.16	245.91 ^{2h}	245.64	246.18	245.86	246.46	246.71
50' W	244.08	243.83	243.57	244.12	243.82	244.42	244.67
75'	242.00	241.75	241.51	242.07	241.78	242.38	242.63
100'	239.91	239.66	239.43	240.00 ^{3h}	239.74	240.34	240.59
125'	237.83	237.58	237.36	237.94	237.69	238.29	238.54
150'	235.75	235.50 ^{2h}	235.29	235.87	235.65 ^{3h}	236.25	236.50
160'	234.92	234.67	234.46	235.05	234.83 ^{3h}	235.43	235.68
175'	233.66	233.41	233.21	233.81	233.61	234.21	234.46
200'	231.58	231.33 ^{3h}	231.14	231.75	231.57	232.17	232.42
225'	229.50	229.25	229.07	229.69	229.53	230.13	230.38
250'	227.42	227.17 ^{3h}	227.00	227.62	227.48	228.08	228.33
275'	225.33	225.08	224.92	225.56	225.44	226.04	226.29
EL. of AMPUDIA	223.25	223.00 ^{3h}	222.85	223.50	223.40 ^{3h}	224.00	224.25
300' W of TRIAS	223.25	223.00	222.85	223.50	223.40	224.00	224.25

S	H
+1.9	+2.4
+4.1	+3.3
+3.4	+4.1
+3.4	+0.6
+1.0	-10.6
-1.0	-8.5
-2.8	-3.5
-7.3	+4.1
+2.6	+6.3
+5.4	+7.4

CUTS + FILLS 6/30/14

Gregory
Stoemaker
Moore

247.75
248.00

248.50	248.75	249.00	249.25	249.50	249.75	250.00	250.25	250.50	250.75	251.00	251.25	251.50	251.75	252.00	252.25	252.50	252.75	253.00	253.25	253.50	253.75	254.00	254.25	254.50	254.75	255.00	255.25	255.50	255.75	256.00	256.25	256.50	256.75	257.00	257.25	257.50	257.75	258.00	258.25	258.50	258.75	259.00	259.25	259.50	259.75	260.00	260.25	260.50	260.75	261.00	261.25	261.50	261.75	262.00	262.25	262.50	262.75	263.00	263.25	263.50	263.75	264.00	264.25	264.50	264.75	265.00	265.25	265.50	265.75	266.00	266.25	266.50	266.75	267.00	267.25	267.50	267.75	268.00	268.25	268.50	268.75	269.00	269.25	269.50	269.75	270.00	270.25	270.50	270.75	271.00	271.25	271.50	271.75	272.00	272.25	272.50	272.75	273.00	273.25	273.50	273.75	274.00	274.25	274.50	274.75	275.00	275.25	275.50	275.75	276.00	276.25	276.50	276.75	277.00	277.25	277.50	277.75	278.00	278.25	278.50	278.75	279.00	279.25	279.50	279.75	280.00	280.25	280.50	280.75	281.00	281.25	281.50	281.75	282.00	282.25	282.50	282.75	283.00	283.25	283.50	283.75	284.00	284.25	284.50	284.75	285.00	285.25	285.50	285.75	286.00	286.25	286.50	286.75	287.00	287.25	287.50	287.75	288.00	288.25	288.50	288.75	289.00	289.25	289.50	289.75	290.00	290.25	290.50	290.75	291.00	291.25	291.50	291.75	292.00	292.25	292.50	292.75	293.00	293.25	293.50	293.75	294.00	294.25	294.50	294.75	295.00	295.25	295.50	295.75	296.00	296.25	296.50	296.75	297.00	297.25	297.50	297.75	298.00	298.25	298.50	298.75	299.00	299.25	299.50	299.75	300.00
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Checked OK for Grade - Line 9/14/14 Gregory Moore

AMPUDIA ST. INTERSECTION 50' ST.

EL. of AMPUDIA	223.25	223.00	222.85	223.50	223.40	224.00	224.25	+5.4	+7.4
E Curb	223.00	223.00	222.85	223.30	223.20	224.00	224.00		
E 1/4	223.00	223.00	222.85	223.30	223.20	224.00	224.00		
±	223.00	223.00	222.85	223.30	223.20	224.00	224.00	+5.1	+5.4
W 1/4	221.85	221.25	221.20	221.85	221.75	222.5	222.75		
W Curb	221.00	221.00	220.85	221.70	221.60	222.00	222.00		
W.L. AMPUDIA	221.85	221.00	220.85	221.50	221.40	222.00	222.25	+1.0	+0.5

ALAMEDA PLACE
GUY STREET
and
HENRY STREET

218.75 218.75

Puterbaugh

St.

241.00 242.00 217.75 217.75

240.00

240.00

Alameda

Henry

231.00 232.00 222.00 221.00

Guy St.

Horton

230.00 231.00 221.00 220.00

Alameda

St.

218.00

207.50 206.50

Linwood

St.

206.00 205.00

50'

IBIS ST.
July 1916

Book 991

70

Washington

60'

St.

200'

200'

256.10

255.10

100'

100'

261.00

262.00

Douglas

St. 10'

261.00

262.00

197'

199'

269.50

60'

270.50

Pueblo

Line

200 S. of Washington 25529 25516 25499 25466 25456 25614 25629
 225 25726 25709 25696 25739 25749 25809 25826
 250 25930 25908 25890 25958 25943 26005 26030
 300 = N.L. Douglass 26125 26100 26085 26150 26160 26200 26225

N.L. Douglass 26125 26100 26085 26150 26160 26200 26225

Curb 26100 26100 26033 26050 26067 26200 26200
 26000 26017 26083 26100

116 26060 26077 26093 26110 26177 26143 26160

Center 26100 26117 26133 26150 26167 26183 26200

26 26060 26077 26093 26110 26177 26143 26160

Curb 26000 26017 26083 26100
 26100 26100 26033 26050 26067 26200 26200

SL Douglass 26125 26100 26085 26150 26160 26200 26225

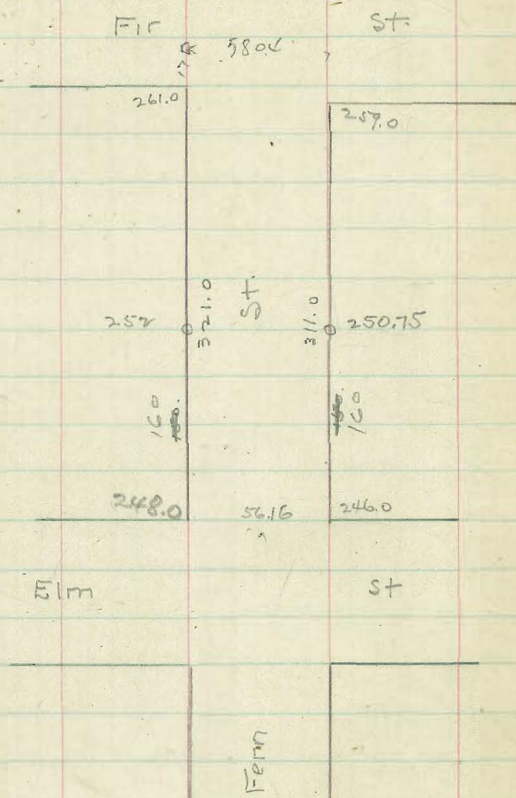
0 = SL Douglass 26125 26100 26085 26150 26160 26200 26225

50 26241 26216 26300 26267 26256 26414 26429

100 26556 26531 26515 26579 26569 26627 26652

150 26722 26747 26730 26796 26783 26841 26866

199 on E. 26975 26950 26934 27000 26990 27050 27075
 197 on W. = PL.



Jern Street

74

	WL	WC	W/A	Φ	E/A	EC	EL
51.5. Fax St.	261.25	261.00					
311	260.72	260.47	259.89	259.74	258.97	259.00	259.25
300	260.14	259.89	259.29	259.16	258.40	258.44	258.69
275	258.83	258.58	257.98	257.87	257.11	257.16	257.41
250	257.51	257.26	256.66	256.57	255.82	255.87	256.12
225	256.20	255.95	255.35	255.27	254.53	254.59	254.84
200	254.88	254.63	254.03	253.97	253.24	253.31	253.56
175	253.57	253.32	252.72	252.67	251.95	252.03	252.28
150	252.25	252.00	251.40	251.38	250.66	250.75	251.00
125	251.58	251.33	250.73	250.65	249.90	249.96	250.21
100	250.92	250.67	250.07	249.92	249.14	249.17	249.42
75	250.25	250.00	249.40	249.19	248.38	248.38	248.63
50	249.58	249.33	248.73	248.46	247.62	247.58	247.83
35	249.18	248.93	248.33	248.02	247.16	247.11	247.36
25. W	248.92	248.67	248.07	247.73	246.86	246.79	247.04
24. E. W	248.25	248.00	247.40	247.00	246.10	246.00	246.25

42.50
1.09
43.59
1.09
44.68

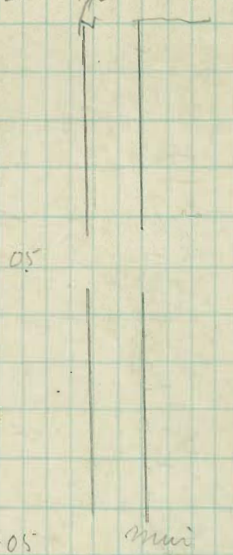
42.50
43.59
6 16.50
11.08

44.66
1.09
45.75
1.09
46.84
1.08
47.92

2.42
2.40
0.02
5.76

2.42
50.10
3.44
53.86

0.15' 4.15'-3'



Voll:

1400-1
Br. 1/2

24331 240 240.19 62.00
 306 240 240.19 1.22
 24657 239.44 63.22
 893 77.91
 51.131
 2.03
 50.34
 7.34
 40.00

72' from Peterburgh
 42.1 ft long

10125
 30/1 00
 200
 780
 120 900
 345
 620
 1075
 341
 74
 136
 445
 87.08
 70.08

89148 3000000 30.26
 297444
 255600
 198296
 573040

89148
 3026
 594988
 198296
 297444
 30002184

659 6540
 28 1200
 2295
 4013
 2425
 153
 644

88201 3000000 130.54
 294603
 539700
 491005
 386950

88201
 3054
 692829
 491000
 294603
 29990885

89904 3000000 6008
 599424
 576000
 699424

89904
 6008
 6006
 599424
 599424
 600023

31.50
 20.78
 32.33
 10.22
 21.91
 21.17
 21.44
 21.99
 74.89

160 900 5.62
 800
 1800
 960
 400
 252.25
 337

255.62
 2.81
 258.43
 2.82
 261.25

150 900 60
 900 6

250.25
 2.61
 253.85
 3

256.85
 2.40

259.25

88201 1500000 150.91
 491005
 899500
 88809
 56910

45.33
 36.00
 9.33

95.26
 95.26
 49 57 156
 49 652
 47 630
 357 34
 907 4 4 676
 4900
 13924.9676

5074.47
 4900
 4174.47 (64.6)
 36
 120 574
 124 496
 1280 7847
 6 7716
 1286 13100

4460
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 12920

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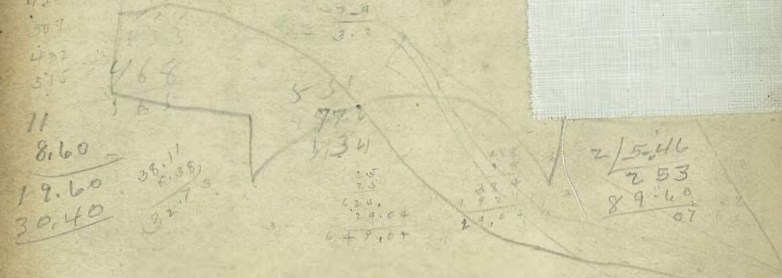
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607 607
 150 215
 4.87 3.95 4.07

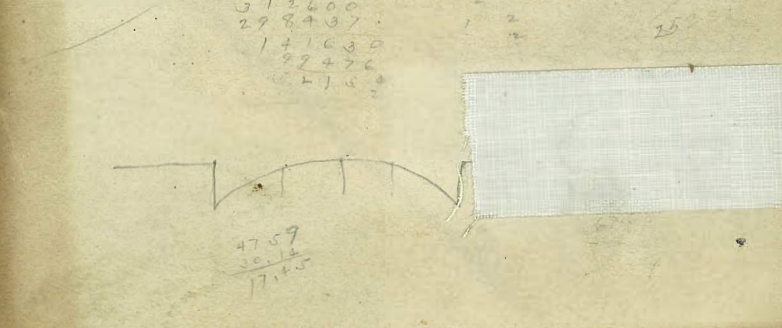
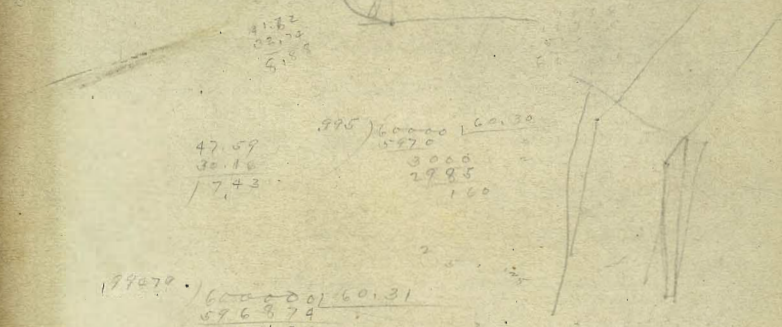
490

96.00
 1.75
 97.75
 12.67
 35.08
 1.09
 36.07 H.I.
 1.27
 34.80
 12.55
 47.33 H.I.
 1.57
 45.76
 10.46
 56.22 H.I.

259.55
 38
 221.55



8.60
 19.60
 30.40



2/5.116
 2.53
 89.60
 .07



21.00
 10.56
 8.90
 176.11
 170.25
 406/5.36
 5.34
 602.00

4+35
 28.7
 46
 4
 9+6.67
 5.4
 39.60
 53.05
 36.85
 1.9800
 2.5
 2.9
 1.4
 1.1

14.000
 14.568
 12.747
 12.530
 110.340
 1.52
 12.0130
 17.5606

251.37
 250.75
 642.12
 100/9.00 (50/25.11)
 800
 1000
 96
 400
 352.25
 3.04
 251.24
 2.53
 251.82
 2.53
 335.15
 2.73
 332.42

332.10