

Bench Levels + X-Sections

NAME Fairmount Ave. Ext.

Job # 124

Class \_\_\_\_\_ Course \_\_\_\_\_ Party \_\_\_\_\_

Bench Levels X-Sections #2

Job # 124

X-SEC. Book # 2

1894

151

# FIELD NOTES

No. 403P

ESPECIALLY ADAPTED

TO THE USE OF

ENGINEERING STUDENTS

EUGENE DIETZGEN Co.

MANUFACTURERS

DRAWING MATERIALS

MATHEMATICAL AND SURVEYING INSTRUMENTS

MEASURING TAPES

CHICAGO SAN FRANCISCO NEW YORK  
NEW ORLEANS PITTSBURGH



Fairmont Ave Ext  
Upper St. B.M.<sup>S</sup>  
+ X Secs

Job # 124

X-Sec. Book # 2.

MICROFILMED

DEC 30 1964

I

Page	Index.
1 + 2	X Sec. of Upper St. from 58+00 to Imperial Ave. (continued from page 28, book #1.)
3 to	B.M. <sup>S</sup> north from Imperial Ave. on Upper St.
8 to 33-	X-sec                      sta - 88+30 <sup>05</sup> to 148+50

ALL XSECS THIS BK - CITY DATUM.



X Sec. of Upper St. continued from  
page 28, book #1. Aug. 6/26

Sta + H.I. - Elev.  
58+00 120.36

T.P. 3.21 117.15  
5.97 123.12

58+50

59+00 COUNTY - ELEV. - BLACK  
CITY - ELEV. - RED

59+50

60+00

60+40 End of wire fences on both sides of Q

60+50

61+00

Lt. N. Glover. M. Study P Kirby, ch. Rt.

96 115.6 3.8 30	94 115.3 5.1 20	94 115.5 4.9 10	101 116.2 4.2 5	103 116.4 4.0 7	104 116.5 3.9 7	103 116.4 4.0 14	105 116.6 3.8 30
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114 117.3 5.8 30	11.1 117.2 5.9 16	10.9 116.9 6.2 6	11.0 117.1 6.0 60	11.0 117.1 6.0 5	10.8 116.9 6.2 15	11.2 117.3 5.8 30
12.6 118.7 4.3 30	12.1 118.2 4.9 15	11.8 117.9 5.2 6	12.0 118.1 5.0 50	12.1 118.2 4.9 5	11.9 118.0 5.1 15	12.3 118.4 4.7 30
12.4 118.5 PL 4.6 30	12.5 118.6 4.5 16	12.1 118.2 4.9 7	12.2 118.3 4.8 48	12.5 118.6 4.5 7	12.1 118.2 4.9 15	12.4 118.5 PL 4.6 30
12.4 118.5 4.6 30	12.3 118.3 4.8 18	12.5 118.4 4.7 6	12.5 118.6 4.5 45	12.6 118.7 4.4 7	12.3 118.4 4.7 15	12.6 118.7 4.4 30

12.1 118.2 4.9 30	11.8 117.9 5.2 15	12.2 118.3 4.8 5	12.4 118.5 4.6 8	12.6 118.7 4.4 15	12.5 118.6 4.5 15	12.6 118.9 4.2 30
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2.

Sta.	+	H.I.	-	Elev
61+00		123.12		

61+50

61+65 S. edge of pavement on Imperial Ave.

61+73<sup>76</sup> C of pavement61+73<sup>76</sup> = 26+56<sup>59</sup> (Refer to book #50

page 20+21 for dope on C from here north on Upper St, C not in center of right of way.)

61+83 N. edge of pavement.

B.M. #6

4.20 118.92 118.94 OK

CITY - ELEYS. RED.

Lt.

$\frac{10.9}{117.0}$	$\frac{10.7}{116.8}$	$\frac{12.1}{118.2}$	$\frac{12.5}{118.6}$	$\frac{12.6}{118.9}$	$\frac{12.6}{118.7}$	$\frac{13.5}{119.6}$	$\frac{13.2}{119.3}$
$\frac{6.1}{30}$	$\frac{6.3}{18}$	$\frac{4.9}{5}$	$\frac{4.5}{5}$	$\frac{4.2}{5}$	$\frac{4.4}{15}$	$\frac{3.5}{16}$	$\frac{3.8}{30}$
$\frac{11.2}{117.2}$	$\frac{11.8}{117.9}$	$\frac{12.1}{118.2}$	$\frac{12.5}{118.6}$	$\frac{12.6}{118.7}$	$\frac{12.4}{118.5}$		$\frac{12.6}{118.9}$
$\frac{5.9}{30}$	$\frac{5.2}{15}$	$\frac{4.9}{5}$	$\frac{4.5}{5}$	$\frac{4.4}{5}$	$\frac{4.6}{15}$		$\frac{4.2}{30}$
$\frac{10.7}{116.85}$	$\frac{11.2}{117.34}$	$\frac{11.5}{117.6}$	$\frac{11.7}{117.8}$	$\frac{12.0}{118.07}$	$\frac{12.2}{118.32}$		$\frac{12.6}{118.71}$
$\frac{6.27}{30}$	$\frac{5.28}{15}$	$\frac{5.5}{5}$	$\frac{5.3}{5}$	$\frac{5.05}{5}$	$\frac{4.8}{15}$		$\frac{4.35}{30}$
$\frac{5.7}{111.87}$	$\frac{7.7}{114.81}$	$\frac{10.3}{116.4}$	$\frac{10.5}{116.95}$	$\frac{11.3}{117.44}$	$\frac{11.8}{117.90}$	$\frac{12.7}{118.37}$	$\frac{12.7}{118.30}$
$\frac{11.25}{200}$	$\frac{8.25}{100}$	$\frac{6.7}{50}$	$\frac{6.17}{30}$	$\frac{5.68}{15}$	$\frac{5.22}{15}$	$\frac{4.75}{15}$	$\frac{4.32}{30}$
						$\frac{13.2}{119.42}$	$\frac{14.6}{120.97}$
						$\frac{3.7}{50}$	$\frac{2.15}{100}$
							$\frac{14.5}{122.62}$

$\frac{10.6}{116.97}$	$\frac{11.2}{117.37}$	$\frac{11.7}{117.85}$	$\frac{12.1}{118.27}$	$\frac{12.6}{118.69}$
$\frac{6.15}{30}$	$\frac{5.75}{15}$	$\frac{5.27}{15}$	$\frac{4.85}{15}$	$\frac{4.43}{30}$



3.

Upper St. B.M.<sup>s</sup>  
(cont. from book #1)

Sta	+	H.I.	-	Elev.
B.M.#6				118.94
	0.07	119.01		
T.P.			7.10	111.91
	1.59	113.50		
T.P.			11.47	102.03
	0.07	102.10		
T.P.			11.54	90.56
	0.86	91.42		
B.M.#7			11.51	79.91
	3.19	83.10		
				<small>Bk. 51 page 27</small> 79.90
T.P.			4.92	78.18
	4.31	82.49		
T.P.			0.54	81.95
	9.57	91.52		
B.M.#8			7.68	83.84
	9.02	92.86		
				<small>Bk. 51 page 27</small> 83.85
T.P.			0.375	92.485

3.

On N.W. Cor. Conc. Pump base at Service Sta. N.E. Cor. Imperial Ave. + Upper St. (Refer to page 7, book #1)

Nail in power line pole on S.W. Cor. of Nagal St. + Upper St.

Nail in large eucalyptus tree by sta. 13+24



4

Aug 7/26

M. Glover.  $\pi$  notes  
T. Stucky. 9

Sta	+	H.I.	-	Elev.
T.P.				92.485
	11.545	104.03		
T.P.			0.24	103.79
	831	112.10		
T.P.			0.49	111.61
	10.535	122.145		
T.P.			0.185	121.96
	11.67	133.63		
T.P.			0.12	133.51
	11.67	145.18		
T.P.			10.90	134.28
	0.92	135.20		
T.P.			10.97	124.23
	5.08	129.31		
B.M. #9			7.67	121.64
	10.30	131.94		
T.P.			0.985	130.955

Bk 51. page 29  
121.61

Top of 1"x1" redwood hub. marked BM #1 but no Elev.  
marked on it. 12.5' E. of 88 + 30.85 = 0+00

4



5.

Sta	+ H.I.	-	Elev
T.P.	11.555	142.51	130.955
T.P.	11.435	153.47	0.475 142.035
T.P.	11.735	165.14	0.065 153.405
T.P.	11.365	176.175	0.33 164.81
T.P.	10.145	185.69	0.63 175.545
T.P.	10.00	195.24	0.45 185.24
T.P.	8.99	202.34	1.89 193.35
BM #10	6.75	203.06	6.03 196.31
T.P.			8.99 194.07

5.

Nail in power line pole on S.W. Cor of 47<sup>th</sup> St. + Hilltop drive.



Sta	+	H.I.	-	Elev
T.P.				194.07
	6.18	200.25		
T.P.			0.39	199.86
	11.29	211.15		
T.P.			0.33	210.82
	10.04	220.86		
B.M.#11			0.94	219.92
	8.00	227.92		
T.P.			0.61	227.31
	11.42	238.75		
B.M.#12			3.225	235.505
	8.035	243.54		
T.P.			2.06	241.48
	1.31	242.79		
B.M.#13			11.56	231.23
	1805	233.035		
T.P.			11.78	221.255

nail in top of hub 24' East of Sta. 115+50

nail in hub 33' East of Sta. 122+90

nail in hub 48' E of Sta. 133+09.85 P.O.S.



17

Sta.	+	H.I.	-	Elev.
T.P.				221.255
	0.47	221.725		
T.P.			11.30	210.425
	0.08	210.505		
T.P.			11.405	199.10
	0.58	199.68		
T.P.			12.05	187.63
	0.41	188.04		
T.P.			11.32	176.72
	0.68	177.40		
T.P.			11.41	165.99
	0.43	166.42		
T.P.			11.75	154.67
	0.145	154.815		
BM. #14			10.325	144.49

7

nail in hub 10' E of P.I. sta. 140 + 04.20







Sta. + H.I. - Elek

90+16

8.76 132.20

90+00

0.93 123.44

+ 87

+ 79

+ 74

89+50

89+00

88+78

T.P. Pt on Rock  
30 ft. 89+05  
16

128°

Draw

122.0

10°

50°

122.0

10°

37°

121.2

11°

12°

117.2

14.9

6°

121.2

11°

121.2

11°

9°

129.9

2°

50°

118.8

5°

117.6

6°

121.0

3°

118.0

6°

120.4

3°

120.4

3°

114.8

7°

117.4

6°

120.8

3°

120.9

3°

123.9

0°

128.7

15°

128.7

50°

120.2

4°

120.5

3°

116.8

7°

119.4

5°

120.2

4°

119.1

4°

116.6

7°

119.9

4°

120.1

3°

128.7

75°

128.7

50°

121.0

3°

120.4

4°

116.4

8°

115.9

8°

116.2

8°

120.4

3°

120.8

3°

127.4

75°

127.4

50°

120.4

4°

119.7

5°

115.9

8°

116.3

8°

119.3

5°

120.7

3°

120.7

3°

126.7

60°

126.7

50°

119.4

5°

118.9

5°

115.6

5°

119.0

5°

119.8

4°

125.4

50°

125.4

50°

120.3

4°

119.9

4°

116.0

8°

113.8

10°

117.8

6°

117.6

6°

117.8

6°

120.8

3°

120.8

50°

120.3

4°

117.8

6°

112.3

12°

112.5

11°

114.9

9°

116.9

7°

116.9

7°

116.8

7°

119.1

5°

119.1

50°

119.1

50°



Sta. + H.I. - Elev.

11.28 169.97  
1.20 158.69 T.P. Rock  
158.73 158.73 158.93+15

93+00

92+50

11.24 159.93  
0.86 148.69 T.P. Rock

92+00

91+50

11.15 149.53  
0.78 138.38 T.P. Rock

11.26 139.16  
4.30 127.90 T.P. Nail  
Sta. 91+00

91+00

+50

90+25

158.0  
19  
50°

157.0  
29

154.8  
51  
50°

154.5  
54  
50°

149.4  
105

148.9  
112  
30°

145.8  
141  
50°

147.1  
24  
50°

141.7  
78

137.2  
123  
50°

141.4  
81  
50°

133.4  
161

127.3  
223  
50°

123.4  
261  
77°

121.0  
285  
80°

124.0  
255  
85°

124.9  
248  
94°

134.3  
50°

127.9  
43

122.5  
97  
35°

129.7  
127  
41°

122.8  
94  
46°

123.1  
91  
50°

132.1  
01  
75°

127.2  
5  
50°

125.7  
65  
31°

121.7  
105

118.6  
136  
13°

121.5  
107  
19°

122.8  
94  
25°

129.1  
31  
50°

128.9  
83  
50°

121.1  
111  
6°

117.2  
152

121.3  
109  
4°

121.7  
105  
15°

129.8  
24  
50°

132. ✓

✓



Sta. + H.I. - Elev.

97+00

96+50

10.23 181.67

7.27 171.44 T.P. on Rock 9° R. St 96+01

96+00

95+50

95+00

+ 94 Mission Lot Corner & Fence West & North

+ 50

94+41<sup>40</sup> P.O.T.

9.42 178.73

0.66 169.31

94+00

93+50

177.4  
4 3/4  
50°

171.6  
10 1/2  
10°

170.7  
11°

168.7  
13°  
4°

162.7  
19°  
50°

176.2  
5 5/8  
50°

172.0  
9 7/8  
11°

171.6  
10 1/2

169.9  
11 8/8  
2°

161.7  
20°  
50°

175.9  
2 8/8  
50°

174.1  
4°

172.1  
6°  
4°

165.9  
12 8/8  
50°

175.4  
3 3/8  
50°

174.8  
2 7/8

174.8  
3 3/8  
3°

167.6  
11 1/8  
50°

173.7  
5 1/8  
50°

174.6  
4 1/8

168.9  
9 8/8  
50°

- x - Fence - x -

169.9  
8 3/8  
50°

171.8  
6 9/8

172.0  
6 7/8  
18°

167.5  
11 3/8  
50°

H.I. - 178.73

166.7  
3 3/8  
50°

167.8  
2 3/8

167.3  
2 7/8  
20°

164.8  
5 3/8  
50°

162.6  
7 7/8  
50°

163.7  
6 3/8

163.4  
6 6/8  
18°

160.7  
9 3/8  
50°

H.I. 169.97

↓



Sta. + H.I. - Elev.

9	101+00			
9	+50			
90	100+00			
95	99+50			
9		11.19	191.91	
9			0.95	180.72
9	99+00			
9	98+50			
	98+00			
9	97+50			

<u>187.5</u>	<u>186.7</u>	<u>184.6</u>		
4±	5±	7±		
50°	*	50°		
<u>185.1</u>	<u>184.7</u>	<u>181.3</u>		
6±	7±	10±		
50°	*	50°		
<u>183.7</u>	<u>181.9</u>	<u>182.5</u>	<u>179.0</u>	
8±	10±	9±	12±	
50°	17°	*	50°	
<u>182.4</u>	<u>178.9</u>	<u>178.9</u>	<u>177.7</u>	
9±	13±	13±	14±	
50°	13°	*	50°	
<u>181.2</u>	<u>178.0</u>	<u>177.4</u>	<u>176.1</u>	<u>174.5</u>
0±	3±	4±	5±	7±
50°	17°	*	3°	50°
<u>181.4</u>	<u>175.6</u>	<u>175.3</u>	<u>174.2</u>	<u>171.6</u>
0±	6±	6±	7±	10±
50°	14°	*	3°	50°
<u>181.2</u>	<u>173.2</u>	<u>172.7</u>	<u>171.6</u>	<u>167.2</u>
0±	8±	9±	10±	14±
50°	16°	*	4°	50°
<u>179.5</u>	<u>173.5</u>	<u>171.3</u>	<u>169.7</u>	<u>169.1</u>
2±	9±	10±	12±	17±
50°	14°	*	3°	50°

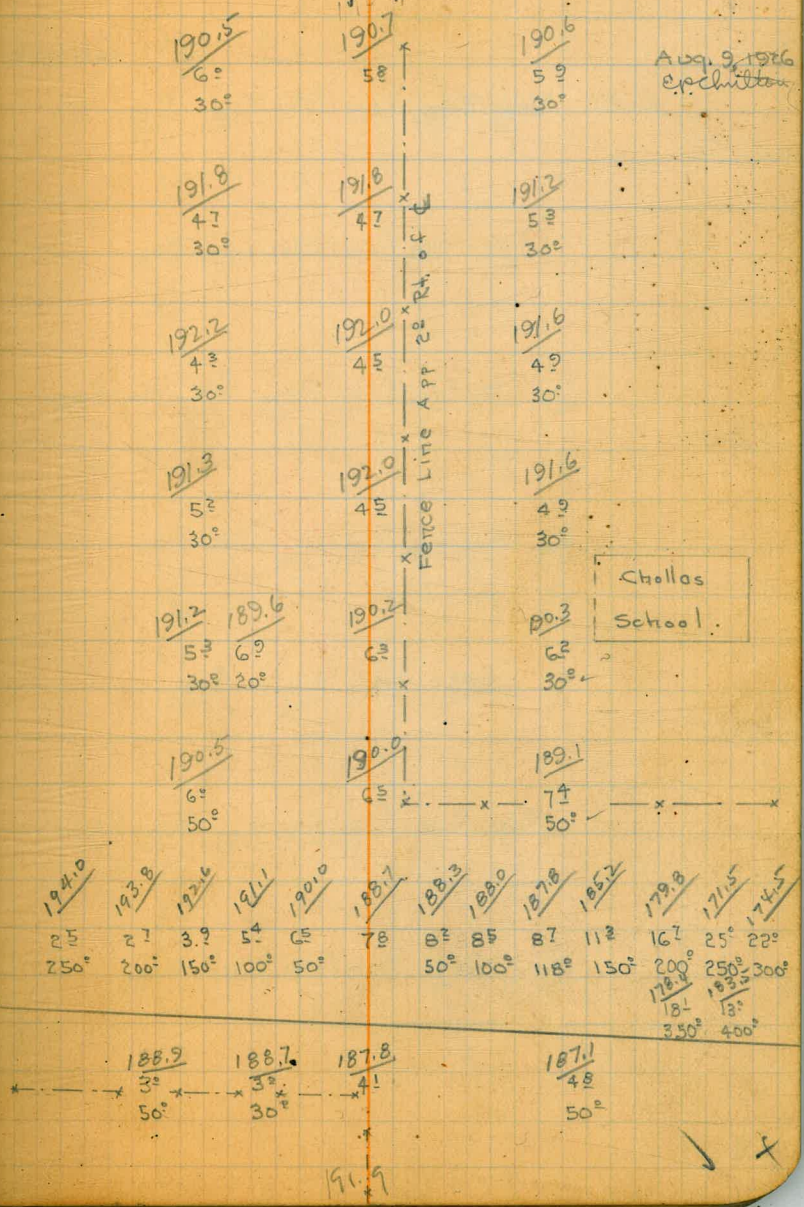
181.67

↓+



10 104 + 00  
 103 + 50  
 100 103 + 00  
 99 102 + 50  
 9 102 + 00  
 9 101 + 88 Fence Line.  
 9 101 + 57<sup>3</sup> E Broadway (?) Hilltop Drive (?)  
 6.22 196.51  
 1.67 190.29 BM. #10 Nail  
 190.24 114 Power F  
 9 101 + 32<sup>1</sup> S.L. Broadway (?) Fence

G.17 190.34 T.P. Fence Post.



Aug. 9, 1926  
 C. P. Chilton

Chollas  
 School.

191.9



T.P.

104 1.00 194.34

104+50

105

103 +40

102 +70

102 106

104 +30

101 +50

101



190-34 From Pg. 13

$\frac{189.7}{4.6}$	$\frac{189.3}{5.0}$	$\frac{190.0}{4.3}$	$\frac{189.5}{4.5}$	$\frac{189.3}{5.0}$	$\frac{189.4}{4.9}$
$\frac{30}{30}$	$\frac{18}{18}$	$\frac{9}{9}$	$\frac{10}{10}$	$\frac{30}{30}$	

$\frac{187.9}{6.4}$	$\frac{188.1}{5.2}$	$\frac{188.6}{5.7}$	$\frac{188.2}{6.1}$	$\frac{188.6}{5.7}$	$\frac{188.3}{6.4}$
$\frac{30}{30}$	$\frac{15}{15}$	$\frac{8}{8}$	$\frac{4}{4}$	$\frac{30}{30}$	

$\frac{188.9}{5.4}$	$\frac{188.1}{6.2}$	$\frac{186.7}{7.5}$	$\frac{187.3}{7.0}$	$\frac{187.2}{7.1}$	$\frac{187.9}{6.4}$	$\frac{187.8}{6.5}$	$\frac{187.7}{6.6}$
$\frac{30}{30}$	$\frac{21}{21}$	$\frac{19}{19}$	$\frac{8}{8}$	$\frac{7}{7}$	$\frac{3}{3}$	$\frac{10}{10}$	$\frac{3}{3}$

$\frac{186.1}{8.2}$	$\frac{185.9}{8.4}$	$\frac{186.6}{7.7}$	$\frac{186.5}{7.8}$	$\frac{186.3}{8.0}$	$\frac{186.8}{7.5}$	$\frac{186.9}{7.4}$
$\frac{30}{30}$	$\frac{19}{19}$	$\frac{5}{5}$	$\frac{15}{15}$	$\frac{6}{6}$	$\frac{18}{18}$	$\frac{14}{14}$

$\frac{185.8}{8.5}$	$\frac{186.3}{8.0}$	$\frac{186.2}{8.1}$	$\frac{187.1}{7.4}$
$\frac{31}{31}$	$\frac{16}{16}$	$\frac{1}{1}$	$\frac{30}{30}$

$\frac{187.9}{6.4}$	$\frac{187.8}{6.5}$	$\frac{186.4}{7.9}$	$\frac{186.6}{7.7}$	$\frac{186.1}{8.2}$	$\frac{186.3}{8.0}$	$\frac{186.9}{7.4}$
$\frac{30}{30}$	$\frac{22}{22}$	$\frac{19}{19}$	$\frac{10}{10}$	$\frac{7}{7}$	$\frac{7}{7}$	$\frac{30}{30}$

$\frac{186.5}{7.8}$	$\frac{186.4}{7.9}$	$\frac{186.7}{7.6}$	$\frac{186.5}{7.8}$	$\frac{186.6}{7.7}$	$\frac{187.2}{7.1}$
$\frac{30}{30}$	$\frac{20}{20}$	$\frac{11}{11}$	$\frac{11}{11}$	$\frac{9}{9}$	$\frac{30}{30}$





194.34

107

104 +35

1 +56

10.41 200.00

+80

4.75 189.59

\* Street

+108

+50

+79

+95

$\frac{187.3}{70}$	$\frac{187.4}{69}$	$\frac{187.9}{64}$	$\frac{187.5}{68}$	$\frac{187.9}{69}$	$\frac{187.6}{67}$
30	19	9	5	7	30

$\frac{189.4}{4.9}$	$\frac{189.6}{4.7}$	$\frac{188.4}{5.9}$	$\frac{188.9}{5.4}$	$\frac{188.6}{5.7}$	$\frac{189.2}{5.1}$	$\frac{188.6}{5.7}$	$\frac{188.4}{5.9}$
30	27	20	9	5	4	13	30

$\frac{188.9}{5.4}$	$\frac{188.7}{5.6}$	$\frac{189.2}{5.1}$	$\frac{189.1}{5.2}$	$\frac{189.8}{4.5}$	$\frac{188.9}{5.4}$
30	19	10	5	4	30

200.0

$\frac{184.7}{10.6}$	$\frac{187.1}{12.9}$	$\frac{189.1}{10.9}$	$\frac{189.2}{10.8}$	$\frac{189.3}{10.7}$	$\frac{189.9}{10.1}$	$\frac{189.8}{10.2}$	$\frac{191.9}{8.1}$	$\frac{191.2}{8.8}$	$\frac{189.8}{10.2}$	$\frac{190.3}{9.7}$	$\frac{191.4}{8.6}$
200	140	50	30	18	8	10.7	6	20	37	100	200

$\frac{189.7}{10.3}$	$\frac{190.2}{9.8}$	$\frac{189.6}{10.4}$	$\frac{190.2}{9.8}$	$\frac{190.1}{9.9}$	$\frac{190.6}{9.4}$	$\frac{190.2}{9.8}$	$\frac{190.0}{10.0}$
30	21	18	8	9	2	8	30

$\frac{190.2}{9.8}$	$\frac{191.1}{8.9}$	$\frac{190.7}{9.3}$	$\frac{191.0}{9.0}$	$\frac{192.0}{8.0}$	$\frac{192.5}{7.5}$	$\frac{191.4}{8.6}$
30	7	5	5	3	20	30

$\frac{190.3}{9.7}$	$\frac{191.4}{8.6}$	$\frac{191.3}{8.7}$	$\frac{191.7}{8.3}$	$\frac{191.2}{8.8}$	$\frac{191.2}{8.8}$
30	8	8	14	25	30

$\frac{190.6}{9.1}$	$\frac{190.5}{9.5}$	$\frac{191.1}{8.9}$	$\frac{191.6}{8.4}$	$\frac{191.6}{8.4}$	$\frac{192.8}{7.2}$	$\frac{193.7}{6.3}$	$\frac{193.6}{6.4}$	$\frac{191.7}{8.3}$
30	27	19	7	7	2	13	20	25

+



1009+15

+ +50

+ +75

+ +110

+ +20

+ +40

+ +65

+ +85

200.00

$\frac{190.8}{9.2}$	$\frac{191.9}{8.1}$	$\frac{191.5}{8.5}$	$\frac{192.2}{7.8}$	$\frac{191.6}{8.4}$	$\frac{192.2}{7.8}$	$\frac{192.2}{7.8}$	$\frac{192.7}{7.3}$
$\frac{30}{30}$	$\frac{21}{21}$	$\frac{18}{18}$	$\frac{9}{9}$		$\frac{12}{12}$	$\frac{19}{19}$	$\frac{30}{30}$

$\frac{191.1}{8.9}$	$\frac{192.2}{7.8}$	$\frac{192.5}{7.5}$	$\frac{193.0}{7.0}$	$\frac{192.5}{7.5}$	$\frac{192.9}{7.1}$	$\frac{192.9}{7.1}$
$\frac{30}{30}$	$\frac{28}{28}$	$\frac{19}{19}$	$\frac{9}{9}$	$\frac{15}{15}$	$\frac{30}{30}$	$\frac{30}{30}$

$\frac{192.1}{7.9}$	$\frac{193.0}{7.0}$	$\frac{193.6}{6.4}$	$\frac{193.3}{6.7}$	$\frac{194.0}{6.0}$	$\frac{195.0}{5.0}$	$\frac{195.0}{5.0}$
$\frac{30}{30}$	$\frac{21}{21}$	$\frac{8}{8}$		$\frac{7}{7}$	$\frac{27}{27}$	$\frac{30}{30}$

$\frac{193.5}{6.5}$	$\frac{193.0}{6.1}$	$\frac{194.4}{5.6}$	$\frac{194.1}{5.9}$	$\frac{194.2}{5.8}$	$\frac{195.0}{5.0}$
$\frac{30}{30}$	$\frac{19}{19}$	$\frac{8}{8}$	$\frac{5}{5}$	$\frac{5}{5}$	$\frac{30}{30}$

$\frac{194.8}{5.2}$	$\frac{194.0}{6.0}$	$\frac{195.0}{5.0}$	$\frac{194.9}{5.1}$	$\frac{196.2}{3.8}$	$\frac{195.3}{4.7}$	$\frac{196.4}{3.6}$
$\frac{30}{30}$	$\frac{17}{17}$	$\frac{8}{8}$	$\frac{5}{5}$	$\frac{3}{3}$	$\frac{13}{13}$	$\frac{30}{30}$

$\frac{195.4}{4.6}$	$\frac{195.3}{4.7}$	$\frac{194.6}{5.4}$	$\frac{195.1}{4.9}$	$\frac{195.6}{4.4}$	$\frac{195.5}{4.5}$	$\frac{195.5}{4.5}$	$\frac{195.8}{4.2}$
$\frac{30}{30}$	$\frac{19}{19}$	$\frac{18}{18}$	$\frac{17}{17}$	$\frac{8}{8}$	$\frac{9}{9}$	$\frac{9}{9}$	$\frac{30}{30}$

$\frac{196.0}{4.0}$	$\frac{196.0}{4.0}$	$\frac{195.7}{4.3}$	$\frac{196.1}{3.9}$	$\frac{196.3}{3.7}$	$\frac{195.7}{4.3}$	$\frac{196.2}{3.8}$	$\frac{196.1}{3.9}$	$\frac{198.3}{1.7}$	$\frac{198.4}{1.6}$
$\frac{30}{30}$	$\frac{20}{20}$	$\frac{17}{17}$	$\frac{13}{13}$	$\frac{6}{6}$	$\frac{4}{4}$	$\frac{6}{6}$	$\frac{6}{6}$	$\frac{25}{25}$	$\frac{30}{30}$

$\frac{196.8}{3.2}$	$\frac{196.8}{3.2}$	$\frac{196.4}{3.6}$	$\frac{197.0}{3.0}$	$\frac{196.5}{3.5}$	$\frac{197.0}{3.0}$	$\frac{197.0}{3.0}$	$\frac{198.4}{1.6}$
$\frac{30}{30}$	$\frac{20}{20}$	$\frac{18}{18}$	$\frac{5}{5}$	$\frac{5}{5}$	$\frac{30}{30}$	$\frac{7}{7}$	$\frac{30}{30}$

J+



200.00

100 111+10

0.40 199.60

11.25 210.85

+ 25

+ 50

+ 75

+ 112

+ 20

+ 35

+ 50

$\frac{199.3}{07}$	$\frac{199.1}{09}$	$\frac{197.5}{25}$	$\frac{198.4}{16}$	$\frac{198.2}{18}$	$\frac{197.5}{25}$	$\frac{197.3}{27}$	$\frac{198.7}{13}$	$\frac{198.7}{13}$	$\frac{198.0}{2.0}$	$\frac{197.8}{2.5}$
$\frac{30}{30}$	$\frac{27}{27}$	$\frac{19}{19}$	$\frac{10}{10}$	$\frac{5}{5}$	$\frac{4}{4}$	$\frac{2}{2}$	$\frac{6}{6}$	$\frac{6}{6}$	$\frac{17}{17}$	$\frac{100}{100}$

210.85

$\frac{199.0}{11.0}$	$\frac{198.9}{12.0}$	$\frac{198.4}{12.5}$	$\frac{199.0}{11.9}$	$\frac{198.4}{12.5}$	$\frac{198.8}{12.1}$	$\frac{198.8}{12.1}$	$\frac{200.2}{10.9}$	$\frac{199.8}{11.1}$
$\frac{30}{30}$	$\frac{21}{21}$	$\frac{19}{19}$	$\frac{10}{10}$	$\frac{3}{3}$	$\frac{3}{3}$	$\frac{9}{9}$	$\frac{22}{22}$	$\frac{30}{30}$

$\frac{201.0}{9.9}$	$\frac{200.9}{10.0}$	$\frac{199.4}{11.5}$	$\frac{199.9}{11.0}$	$\frac{199.6}{11.3}$	$\frac{199.1}{11.8}$	$\frac{199.5}{11.4}$
$\frac{30}{30}$	$\frac{21}{21}$	$\frac{18}{18}$	$\frac{10}{10}$	$\frac{7}{7}$	$\frac{7}{7}$	$\frac{30}{30}$

$\frac{201.1}{9.8}$	$\frac{200.9}{10.0}$	$\frac{200.3}{10.6}$	$\frac{200.7}{10.2}$	$\frac{201.0}{9.9}$	$\frac{200.7}{10.2}$	$\frac{201.5}{9.4}$	$\frac{200.6}{10.3}$	$\frac{200.1}{10.1}$	$\frac{201.9}{9.0}$
$\frac{30}{30}$	$\frac{20}{20}$	$\frac{18}{18}$	$\frac{15}{15}$	$\frac{9}{9}$	$\frac{9}{9}$	$\frac{3}{3}$	$\frac{10}{10}$	$\frac{16}{16}$	$\frac{30}{30}$

$\frac{202.4}{7.3}$	$\frac{202.5}{8.4}$	$\frac{200.9}{10.9}$	$\frac{201.7}{9.2}$	$\frac{202.0}{8.9}$	$\frac{201.6}{9.3}$	$\frac{201.6}{9.3}$
$\frac{30}{30}$	$\frac{21}{21}$	$\frac{19}{19}$	$\frac{15}{15}$	$\frac{9}{9}$	$\frac{9}{9}$	$\frac{30}{30}$

$\frac{203.2}{7.7}$	$\frac{202.5}{8.4}$	$\frac{201.9}{9.0}$	$\frac{202.7}{8.2}$	$\frac{202.4}{8.5}$	$\frac{201.9}{9.0}$	$\frac{202.0}{8.9}$	$\frac{201.7}{9.2}$
$\frac{30}{30}$	$\frac{20}{20}$	$\frac{18}{18}$	$\frac{9}{9}$	$\frac{9}{9}$	$\frac{9}{9}$	$\frac{16}{16}$	$\frac{30}{30}$

$\frac{203.1}{7.5}$	$\frac{203.2}{7.7}$	$\frac{202.9}{8.0}$	$\frac{202.5}{7.4}$	$\frac{203.2}{7.7}$	$\frac{203.3}{7.6}$	$\frac{203.9}{7.0}$	$\frac{203.8}{7.1}$	$\frac{202.5}{8.4}$
$\frac{30}{30}$	$\frac{21}{21}$	$\frac{17}{17}$	$\frac{9}{9}$	$\frac{5}{5}$	$\frac{14}{14}$	$\frac{14}{14}$	$\frac{21}{21}$	$\frac{30}{30}$

$\frac{203.4}{7.5}$	$\frac{203.8}{7.1}$	$\frac{203.4}{7.5}$	$\frac{204.3}{6.6}$	$\frac{203.9}{7.0}$	$\frac{204.1}{6.8}$	$\frac{203.7}{7.2}$	$\frac{203.3}{7.6}$
$\frac{30}{30}$	$\frac{21}{21}$	$\frac{19}{19}$	$\frac{10}{10}$	$\frac{5}{5}$	$\frac{5}{5}$	$\frac{5}{5}$	$\frac{30}{30}$

✓



18,

210.85

1 1/2 + 75

1/3 + 10

+ 42

+ 57

+ 76

+ 114

5.02 215.15

+ 40

+ 58

Lt

18:

$\frac{205.3}{\sqrt{6}}$	$\frac{206.0}{4.9}$	$\frac{204.4}{6.5}$	$\frac{205.3}{\sqrt{5}}$	$\frac{204.6}{6.3}$	$\frac{205.3}{\sqrt{5}}$	$\frac{203.7}{7.2}$	$\frac{204.0}{6.9}$
$\frac{30}{30}$	$\frac{21}{21}$	$\frac{19}{19}$	$\frac{10}{10}$	$\frac{3}{3}$	$\frac{3}{3}$	$\frac{14}{14}$	$\frac{30}{30}$

$\frac{206.2}{4.7}$	$\frac{205.9}{5.0}$	$\frac{205.2}{5.7}$	$\frac{205.9}{5.0}$	$\frac{205.6}{\sqrt{3}}$	$\frac{205.0}{5.9}$	$\frac{205.6}{5.3}$
$\frac{30}{30}$	$\frac{20}{20}$	$\frac{18}{18}$	$\frac{10}{10}$	$\frac{2}{2}$	$\frac{2}{2}$	$\frac{30}{30}$

$\frac{206.3}{4.6}$	$\frac{206.1}{4.8}$	$\frac{206.9}{4.0}$	$\frac{206.3}{4.6}$	$\frac{207.1}{4.8}$	$\frac{208.2}{2.7}$	$\frac{208.1}{2.8}$	$\frac{206.9}{4.0}$
$\frac{30}{30}$	$\frac{20}{20}$	$\frac{11}{11}$	$\frac{2}{2}$	$\frac{2}{2}$	$\frac{3}{3}$	$\frac{19}{19}$	$\frac{30}{30}$

$\frac{207.2}{3.7}$	$\frac{207.2}{3.7}$	$\frac{206.7}{4.2}$	$\frac{207.5}{3.6}$	$\frac{206.8}{4.2}$	$\frac{207.4}{3.5}$	$\frac{207.7}{3.2}$	$\frac{207.7}{3.2}$	$\frac{207.1}{3.8}$
$\frac{30}{30}$	$\frac{21}{21}$	$\frac{19}{19}$	$\frac{11}{11}$	$\frac{3}{3}$	$\frac{2}{2}$	$\frac{5}{5}$	$\frac{14}{14}$	$\frac{30}{30}$

$\frac{208.5}{2.4}$	$\frac{208.0}{2.9}$	$\frac{207.4}{3.5}$	$\frac{208.2}{2.7}$	$\frac{207.8}{3.1}$	$\frac{208.2}{2.7}$	$\frac{208.0}{2.9}$	$\frac{208.0}{1.9}$	$\frac{209.0}{1.9}$
$\frac{30}{30}$	$\frac{22}{22}$	$\frac{19}{19}$	$\frac{11}{11}$	$\frac{4}{4}$	$\frac{2}{2}$	$\frac{14}{14}$	$\frac{25}{25}$	$\frac{20}{20}$

$\frac{208.7}{2.2}$	$\frac{208.7}{2.2}$	$\frac{208.2}{2.6}$	$\frac{209.1}{1.8}$	$\frac{208.5}{2.4}$	$\frac{208.8}{2.1}$	$\frac{208.5}{2.4}$	$\frac{209.1}{1.8}$	$\frac{208.7}{2.2}$
$\frac{30}{30}$	$\frac{22}{22}$	$\frac{30}{30}$	$\frac{10}{10}$	$\frac{3}{3}$	$\frac{2}{2}$	$\frac{3}{3}$	$\frac{12}{12}$	$\frac{30}{30}$

$\frac{210.8}{4.4}$	$\frac{211.3}{3.9}$	$\frac{209.9}{5.3}$	$\frac{210.2}{5.0}$	$\frac{209.7}{\sqrt{5}}$	$\frac{210.2}{\sqrt{5}}$	$\frac{210.1}{\sqrt{5}}$	$\frac{210.3}{4.9}$
$\frac{30}{30}$	$\frac{22}{22}$	$\frac{19}{19}$	$\frac{10}{10}$	$\frac{3}{3}$	$\frac{3}{3}$	$\frac{18}{18}$	$\frac{30}{30}$

$\frac{211.8}{3.4}$	$\frac{211.2}{4.0}$	$\frac{210.4}{4.8}$	$\frac{210.2}{5.0}$	$\frac{210.8}{4.4}$	$\frac{210.3}{4.9}$	$\frac{210.5}{4.7}$	$\frac{210.4}{4.8}$	$\frac{211.9}{3.3}$	$\frac{211.7}{3.5}$
$\frac{30}{30}$	$\frac{22}{22}$	$\frac{19}{19}$	$\frac{16}{16}$	$\frac{10}{10}$	$\frac{3}{3}$	$\frac{3}{3}$	$\frac{4}{4}$	$\frac{22}{22}$	$\frac{30}{30}$

4



19.

215.15

114.52

± Street

115

+34

B. Wet

9.73

222.53

1.28

213.87

213.80

+50

+75

+116

+50

19.

$\frac{212.6}{2.6}$	$\frac{212.2}{3.0}$	$\frac{211.5}{3.7}$	$\frac{211.3}{3.9}$	$\frac{211.3}{3.9}$	$\frac{211.8}{3.4}$	$\frac{212.0}{3.2}$
$\frac{200}{}$	$\frac{100}{}$	$\frac{30}{}$	$\frac{9}{}$	$\frac{30}{}$	$\frac{11}{}$	$\frac{30}{}$

$\frac{211.4}{3.8}$	$\frac{211.7}{3.5}$	$\frac{211.5}{3.7}$	$\frac{212.3}{2.9}$
$\frac{30}{}$	$\frac{30}{}$	$\frac{6}{}$	$\frac{30}{}$

$\frac{212.3}{2.9}$	$\frac{213.1}{2.1}$	$\frac{212.8}{2.4}$	$\frac{212.6}{2.8}$	$\frac{212.2}{3.0}$	$\frac{212.5}{2.7}$	$\frac{212.7}{2.5}$
$\frac{30}{}$	$\frac{11}{}$	$\frac{30}{}$	$\frac{5}{}$	$\frac{8}{}$	$\frac{11}{}$	$\frac{30}{}$

219.92 County Datum  
6.12  
213.80 city Datum

See Pg 6

141. = 222.5

$\frac{212.7}{9.8}$	$\frac{214.3}{8.2}$	$\frac{213.8}{8.7}$	$\frac{213.5}{9.0}$	$\frac{212.8}{9.7}$	$\frac{213.5}{9.0}$	$\frac{214.0}{8.5}$
$\frac{30}{}$	$\frac{13}{}$	$\frac{30}{}$	$\frac{3}{}$	$\frac{9}{}$	$\frac{18}{}$	$\frac{30}{}$

$\frac{213.1}{9.4}$	$\frac{214.2}{8.3}$	$\frac{214.2}{8.3}$	$\frac{213.4}{9.1}$	$\frac{213.3}{9.2}$
$\frac{30}{}$	$\frac{16}{}$	$\frac{30}{}$	$\frac{12}{}$	$\frac{30}{}$

$\frac{212.9}{9.6}$	$\frac{213.4}{9.1}$	$\frac{213.4}{9.1}$	$\frac{214.4}{8.1}$
$\frac{30}{}$	$\frac{30}{}$	$\frac{17}{}$	$\frac{30}{}$

$\frac{214.1}{8.4}$	$\frac{214.7}{7.8}$	$\frac{214.4}{8.1}$	$\frac{214.8}{7.7}$	$\frac{214.6}{7.9}$
$\frac{30}{}$	$\frac{30}{}$	$\frac{9}{}$	$\frac{19}{}$	$\frac{30}{}$

14



20

116+64

117

+20

+60

+88

118+23

+50

119

L+

$$\begin{array}{r} 214.5 \\ 8.0 \\ \hline 30 \end{array} \quad \begin{array}{r} 214.2 \\ 8.3 \\ \hline 23 \end{array} \quad \begin{array}{r} 214.7 \\ 7.8 \\ \hline \end{array} \quad \begin{array}{r} 215.6 \\ 6.9 \\ \hline 17 \end{array} \quad \begin{array}{r} 215.3 \\ 7.2 \\ \hline 26 \end{array} \quad \begin{array}{r} 214.7 \\ 7.5 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 214.5 \\ 8.0 \\ \hline 30 \end{array} \quad \begin{array}{r} 214.7 \\ 7.8 \\ \hline 9 \end{array} \quad \begin{array}{r} 215.6 \\ 6.9 \\ \hline \end{array} \quad \begin{array}{r} 216.5 \\ 6.0 \\ \hline 10 \end{array} \quad \begin{array}{r} 215.8 \\ 6.7 \\ \hline 21 \end{array} \quad \begin{array}{r} 214.5 \\ 8.0 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 214.5 \\ 8.0 \\ \hline 30 \end{array} \quad \begin{array}{r} 215.0 \\ 7.5 \\ \hline \end{array} \quad \begin{array}{r} 214.5 \\ 8.0 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 214.8 \\ 7.7 \\ \hline 30 \end{array} \quad \begin{array}{r} 215.0 \\ 7.5 \\ \hline \end{array} \quad \begin{array}{r} 214.5 \\ 8.0 \\ \hline 12 \end{array} \quad \begin{array}{r} 214.9 \\ 7.6 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 217.2 \\ 5.3 \\ \hline 30 \end{array} \quad \begin{array}{r} 217.3 \\ 5.2 \\ \hline 9 \end{array} \quad \begin{array}{r} 216.9 \\ 5.6 \\ \hline \end{array} \quad \begin{array}{r} 215.5 \\ 7.0 \\ \hline 11 \end{array} \quad \begin{array}{r} 215.2 \\ 7.3 \\ \hline 24 \end{array} \quad \begin{array}{r} 215.4 \\ 7.1 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 216.6 \\ 5.9 \\ \hline 30 \end{array} \quad \begin{array}{r} 216.2 \\ 6.3 \\ \hline \end{array} \quad \begin{array}{r} 216.0 \\ 6.5 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 217.0 \\ 5.5 \\ \hline 30 \end{array} \quad \begin{array}{r} 216.7 \\ 5.8 \\ \hline 14 \end{array} \quad \begin{array}{r} 217.3 \\ 5.4 \\ \hline \end{array} \quad \begin{array}{r} 217.3 \\ 5.2 \\ \hline 6 \end{array} \quad \begin{array}{r} 216.6 \\ 5.9 \\ \hline 15 \end{array} \quad \begin{array}{r} 216.9 \\ 5.6 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 218.3 \\ 4.2 \\ \hline 30 \end{array} \quad \begin{array}{r} 218.2 \\ 4.3 \\ \hline \end{array} \quad \begin{array}{r} 218.0 \\ 4.5 \\ \hline 13 \end{array} \quad \begin{array}{r} 218.1 \\ 4.4 \\ \hline 20 \end{array}$$

20



21.

222.53

119+50

+74

10.53 23x 41

0.65 221.88

70+13

+50

121

+29

+63

+86

21

$\frac{220.7}{1.8}$ 30	$\frac{221.1}{1.4}$ 21	$\frac{220.3}{2.2}$	$\frac{219.7}{2.8}$ 11	$\frac{220.5}{2.5}$ 30
---------------------------	---------------------------	---------------------	---------------------------	---------------------------

$\frac{221.0}{1.5}$ 30	$\frac{221.1}{1.4}$	$\frac{220.7}{1.8}$ 14	$\frac{220.9}{1.6}$ 30
---------------------------	---------------------	---------------------------	---------------------------

$\frac{222.9}{9.5}$ 30	$\frac{223.5}{8.9}$ 13	$\frac{223.1}{9.3}$	$\frac{222.4}{10.0}$ 5	$\frac{222.4}{10.0}$ 30
$\frac{223.9}{8.5}$ 30	$\frac{224.2}{8.2}$	$\frac{223.9}{8.5}$ 8	$\frac{224.2}{8.2}$ 30	

$\frac{225.0}{7.4}$ 30	$\frac{226.5}{5.9}$	$\frac{226.8}{5.6}$ 11	$\frac{227.1}{5.3}$ 30
---------------------------	---------------------	---------------------------	---------------------------

$\frac{225.7}{6.7}$ 30	$\frac{226.1}{6.3}$ 15	$\frac{227.7}{4.7}$	$\frac{228.1}{4.3}$ 16	$\frac{227.8}{4.6}$ 30
---------------------------	---------------------------	---------------------	---------------------------	---------------------------

$\frac{225.6}{6.8}$ 30	$\frac{226.4}{5.8}$	$\frac{227.4}{5.0}$ 30
---------------------------	---------------------	---------------------------

$\frac{226.2}{6.7}$ 30	$\frac{227.0}{5.4}$ 18	$\frac{226.9}{5.5}$	$\frac{226.7}{5.7}$ 16	$\frac{227.4}{5.0}$ 30
---------------------------	---------------------------	---------------------	---------------------------	---------------------------

x



232.41

122+16

+34

+46

+77

Blk # 12

695 236.34

123+05

+30

+58

2.96 229 45 229.39

$\frac{226.5}{5.9}$	$\frac{227.1}{5.3}$	$\frac{227.5}{4.9}$	$\frac{228.7}{3.7}$	$\frac{229.3}{3.1}$	$\frac{228.8}{3.6}$
<u>30</u>	<u>30</u>	<u>10</u>	<u>16</u>	<u>26</u>	<u>30</u>

$\frac{227.1}{5.3}$	$\frac{228.0}{4.4}$	$\frac{227.8}{4.1}$	$\frac{228.1}{4.3}$	$\frac{228.2}{4.2}$
<u>30</u>	<u>14</u>	<u>14</u>	<u>21</u>	<u>30</u>

$\frac{227.4}{5.0}$	$\frac{227.7}{4.7}$	$\frac{229.2}{3.2}$	$\frac{228.2}{4.2}$	$\frac{228.3}{4.1}$	$\frac{228.5}{3.9}$
<u>30</u>	<u>18</u>	<u>13</u>	<u>13</u>	<u>23</u>	<u>30</u>

$\frac{227.4}{5.0}$	$\frac{227.6}{4.9}$	$\frac{228.6}{3.8}$	$\frac{228.6}{3.8}$	$\frac{229.2}{3.2}$
<u>30</u>	<u>23</u>	<u>38</u>	<u>18</u>	<u>30</u>

235.51 County Datum  
6.12  
 229.39 City Datum

[236.3]

$\frac{227.4}{8.9}$	$\frac{227.6}{8.7}$	$\frac{228.7}{7.1}$	$\frac{228.5}{7.8}$	$\frac{229.0}{7.3}$
<u>30</u>	<u>20</u>	<u>21</u>	<u>27</u>	<u>30</u>

$\frac{227.3}{9.3}$	$\frac{228.8}{7.5}$	$\frac{229.7}{6.6}$	$\frac{229.7}{6.6}$	$\frac{228.2}{8.1}$	$\frac{228.5}{7.8}$
<u>30</u>	<u>17</u>	<u>10</u>	<u>10</u>	<u>26</u>	<u>30</u>

$\frac{227.0}{9.3}$	$\frac{227.0}{9.3}$	$\frac{227.7}{8.6}$	$\frac{228.4}{7.9}$
<u>30</u>	<u>18</u>	<u>15</u>	<u>30</u>



23.

124

236.34

125

141

125

150

172

180

126+25

6.14

239.74

3.04 233.30

23.

$\frac{227.6}{9.7}$	$\frac{228.2}{8.1}$	$\frac{229.0}{7.5}$	$\frac{228.4}{7.9}$	$\frac{228.4}{7.9}$	$\frac{229.0}{7.5}$
30	20		6	21	30

$\frac{226.6}{9.7}$	$\frac{227.2}{9.1}$	$\frac{228.0}{8.3}$	$\frac{228.3}{8.0}$	$\frac{228.5}{7.8}$	$\frac{229.2}{7.1}$
30	21		13	22	30

$\frac{226.7}{9.6}$	$\frac{227.3}{9.0}$	$\frac{229.0}{7.3}$	$\frac{228.4}{7.9}$	$\frac{228.4}{7.9}$	$\frac{229.1}{7.5}$
30	15		12	17	30

$\frac{229.0}{7.3}$	$\frac{229.5}{6.8}$	$\frac{230.0}{6.3}$	$\frac{231.3}{5.0}$
30	6		30

$\frac{229.6}{6.7}$	$\frac{231.3}{5.0}$	$\frac{232.0}{4.3}$	$\frac{232.8}{3.5}$
30	11		30

$\frac{230.9}{5.4}$	$\frac{231.9}{4.4}$	$\frac{232.4}{3.9}$	$\frac{233.4}{2.9}$	$\frac{233.1}{3.4}$	$\frac{233.6}{2.7}$
30	13	13		15	30

$\frac{231.2}{5.1}$	$\frac{231.9}{4.4}$	$\frac{232.4}{3.9}$	$\frac{232.9}{3.4}$	$\frac{233.7}{2.6}$
30	20	6		30

$\frac{232.5}{7.2}$	$\frac{233.1}{6.6}$	$\frac{233.6}{6.1}$	$\frac{234.3}{5.4}$	$\frac{235.6}{4.1}$	$\frac{235.0}{4.7}$
30	20	10		19	30

239.7

x



239.74

126+50

127

+42

+79

178+16

+42

+60

+90

1.85

230.01

1155 228.19

$\frac{233.2}{6.5}$	$\frac{239.0}{5.7}$	$\frac{234.2}{5.5}$	$\frac{234.5}{5.2}$	$\frac{235.3}{4.4}$
$\frac{234.4}{5.3}$	$\frac{234.8}{4.9}$	$\frac{235.0}{4.7}$	$\frac{235.6}{4.1}$	$\frac{236.4}{3.3}$
$\frac{235.1}{4.8}$	$\frac{234.8}{4.9}$	$\frac{235.0}{4.7}$	$\frac{236.3}{3.8}$	$\frac{236.3}{3.4}$
$\frac{233.7}{6.0}$	$\frac{234.1}{5.6}$	$\frac{233.8}{5.8}$	$\frac{234.2}{5.5}$	$\frac{234.9}{4.8}$
$\frac{232.5}{7.1}$	$\frac{232.8}{6.9}$	$\frac{233.8}{5.9}$	$\frac{234.2}{5.5}$	$\frac{235.0}{4.7}$
$\frac{231.6}{8.1}$	$\frac{232.7}{7.0}$	$\frac{235.0}{4.7}$	$\frac{235.4}{4.3}$	$\frac{234.7}{4.0}$
$\frac{230.7}{9.0}$	$\frac{233.2}{6.5}$	$\frac{234.3}{5.4}$	$\frac{234.6}{5.1}$	$\frac{233.8}{5.9}$
$\frac{227.8}{11.9}$	$\frac{228.6}{11.1}$	$\frac{231.7}{8.0}$	$\frac{232.4}{7.3}$	$\frac{233.1}{6.6}$

+



25.

25.

129+25

230.01

+41

+64

12.11 217.90

131 219.41

130

+22

+32

11.85 207.36

0.94 208.30

+48

$\frac{223.0}{7.0}$	$\frac{224.2}{5.8}$	$\frac{225.2}{4.8}$	$\frac{226.8}{3.2}$	$\frac{227.1}{2.9}$
$\frac{30}{30}$	$\frac{9}{9}$	$\frac{18}{18}$	$\frac{20}{20}$	$\frac{30}{30}$

$\frac{221.7}{8.3}$	$\frac{222.6}{7.4}$	$\frac{223.0}{7.0}$	$\frac{223.7}{6.3}$	$\frac{225.4}{4.6}$	$\frac{226.1}{3.9}$
$\frac{30}{30}$	$\frac{23}{23}$	$\frac{10}{10}$	$\frac{17}{17}$	$\frac{17}{17}$	$\frac{30}{30}$

$\frac{218.1}{11.9}$	$\frac{218.9}{11.1}$	$\frac{220.4}{9.6}$	$\frac{222.1}{7.9}$	$\frac{222.9}{7.1}$
$\frac{30}{30}$	$\frac{26}{26}$	$\frac{18}{18}$	$\frac{18}{18}$	$\frac{30}{30}$

$\frac{209.1}{10.1}$	$\frac{210.0}{9.4}$	$\frac{212.2}{7.0}$	$\frac{213.2}{6.0}$	$\frac{215.5}{3.7}$
$\frac{30}{30}$	$\frac{22}{22}$	$\frac{10}{10}$	$\frac{10}{10}$	$\frac{30}{30}$

$\frac{197.3}{21.9}$	$\frac{199.6}{19.6}$	$\frac{200.2}{19.0}$	$\frac{208.2}{11.0}$	$\frac{208.7}{10.5}$	$\frac{212.1}{7.1}$	$\frac{212.8}{6.4}$
$\frac{50}{50}$	$\frac{30}{30}$	$\frac{21}{21}$	$\frac{4}{4}$	$\frac{17}{17}$	$\frac{17}{17}$	$\frac{30}{30}$

$\frac{197.6}{21.6}$	$\frac{199.2}{20.0}$	$\frac{200.0}{19.2}$	$\frac{201.7}{14.5}$	$\frac{209.3}{9.9}$	$\frac{210.2}{9.0}$	$\frac{211.6}{7.6}$
$\frac{50}{50}$	$\frac{28}{28}$	$\frac{14}{14}$	$\frac{14}{14}$	$\frac{16}{16}$	$\frac{30}{30}$	$\frac{50}{50}$

208.3

$\frac{184.7}{23.6}$	$\frac{192.8}{15.5}$	$\frac{197.5}{13.8}$	$\frac{201.7}{6.6}$	$\frac{202.6}{5.6}$	$\frac{204.0}{4.3}$
$\frac{50}{50}$	$\frac{6}{6}$	$\frac{15}{15}$	$\frac{24}{24}$	$\frac{24}{24}$	$\frac{30}{30}$

+



208.30

130+61

11.52 196.78

2.47 199.45

131+03

± Draw

131+03

On Angle of Draw

+14

+45

0.14 199.11

11.10 210.21

+90

0.67 209.54

11.30 220.84

132+07

+50

0.20 220.64

7.83 228.47

Bl#13

3 3.33 225.14 225.11

$\frac{175.8}{82.5}$	$\frac{183.3}{25}$	$\frac{186.4}{21.9}$	$\frac{193.5}{48}$	$\frac{196.0}{12.3}$	$\frac{198.3}{10.0}$	$\frac{202.9}{5.4}$	$\frac{204.2}{4.1}$
$\frac{50}{50}$	$\frac{25}{25}$	$\frac{30}{30}$	$\frac{11}{11}$	$\frac{9}{9}$	$\frac{23}{23}$	$\frac{50}{50}$	

$\frac{171.2}{181.2}$	$\frac{171.1}{181.1}$	$\frac{177.0}{223}$	$\frac{175.1}{242}$	$\frac{176.0}{233}$	$\frac{178.7}{206}$	$\frac{183.1}{162}$	$\frac{192.1}{72}$
$\frac{50}{50}$	$\frac{44}{44}$	$\frac{22}{22}$	$\frac{14}{14}$	$\frac{10}{10}$	$\frac{27}{27}$	$\frac{50}{50}$	

$\frac{169.0}{30.3}$	$\frac{171.2}{27.4}$	$\frac{176.0}{25.3}$	$\frac{178.8}{20.5}$	$\frac{183.8}{15.5}$
$\frac{100}{100}$	$\frac{50}{50}$	$\frac{50}{50}$	$\frac{50}{50}$	$\frac{100}{100}$

$\frac{187.8}{115}$	$\frac{184.8}{145}$	$\frac{181.6}{177}$	$\frac{180.4}{189}$	$\frac{179.7}{19.6}$	$\frac{175.8}{235}$	$\frac{179.1}{207}$	$\frac{182.1}{172}$	$\frac{185.4}{139}$
$\frac{50}{50}$	$\frac{30}{30}$	$\frac{13}{13}$		$\frac{7}{7}$	$\frac{16}{16}$	$\frac{23}{23}$	$\frac{32}{32}$	$\frac{50}{50}$

$\frac{199.6}{103}$	$\frac{195.6}{37}$	$\frac{193.8}{55}$	$\frac{190.3}{9.0}$	$\frac{188.2}{10.4}$	$\frac{185.2}{14.1}$
$\frac{50}{50}$	$\frac{19}{19}$		$\frac{12}{12}$	$\frac{30}{30}$	$\frac{50}{50}$

$\frac{208.3}{1.9}$	$\frac{207.2}{3.0}$	$\frac{207.0}{3.2}$	$\frac{204.1}{6.1}$	$\frac{203.7}{6.5}$	$\frac{202.0}{8.2}$
$\frac{30}{30}$	$\frac{9}{9}$		$\frac{23}{23}$	$\frac{30}{30}$	$\frac{50}{50}$

$\frac{214.2}{9.6}$	$\frac{210.3}{10.5}$	$\frac{209.1}{11.7}$	$\frac{209.1}{11.7}$
$\frac{30}{30}$		$\frac{22}{22}$	$\frac{30}{30}$

$\frac{218.2}{220.2}$	$\frac{218.5}{220.5}$	$\frac{217.6}{219.6}$
$\frac{26}{30}$	$\frac{7.3}{30}$	$\frac{5.2}{30}$

231.23  
6.12  
225.11

County Datum  
City Datum

X



27  
132+15

228.47

133

+42

+80

11.49 216.98

134

1.35 218.33

+50

+83

135

11.89 206.44

1.76 208.70

Lt.

228.5

Rt.

27

219.6  
8.9  
30

221.2  
7.3  
30

221.2  
7.3  
30

221.7  
6.8  
30

223.0  
5.5  
16

224.3  
4.2

223.7  
4.8  
15

223.8  
4.7  
30

220.4  
8.1  
30

221.2  
7.3  
25

223.0  
5.5  
9

223.3  
5.2

224.3  
4.2  
30

215.2  
13.3  
30

217.8  
10.7

219.5  
9.0  
30

218.3

214.2  
4.1  
30

215.3  
3.0  
14

216.7  
1.6

216.9  
1.4  
16

218.4  
+0.1  
30

209.6  
8.7  
30

211.3  
7.0

213.1  
5.2  
30

206.3  
12.0  
30

207.5  
10.8  
10

208.9  
9.4

209.6  
8.7  
18

210.3  
8.0  
30

203.8  
14.5  
30

206.2  
12.1

209.7  
8.6  
30

X



28

208.20

1354.50

+86

136

11.69 196.51

+50

0.41 196.95

137

Sta. 128 to Sta. 139  
 Surface formation Earth & Boulders  
 with hard clay & sand formation underneath.

+30

+66

12.24 184.71

138

0.08 184.79

Lt

(208.2)

Rt

28.

199.1

$$\frac{9.1}{30}$$

201.4

$$\frac{6.8}{30}$$

203.1

$$\frac{5.1}{30}$$

195.7

$$\frac{12.5}{30}$$

197.5

$$\frac{10.7}{30}$$

199.6

$$\frac{8.6}{21}$$

199.7

$$\frac{8.5}{30}$$

194.7

$$\frac{13.5}{30}$$

196.9

$$\frac{11.3}{8}$$

197.2

$$\frac{11.0}{30}$$

198.3

$$\frac{9.9}{30}$$

190.8

$$\frac{6.1}{30}$$

(196.9)

$$\frac{12.9}{30}$$

195.0

$$\frac{1.9}{30}$$

187.9

$$\frac{9.0}{30}$$

190.4

$$\frac{6.5}{30}$$

192.0

$$\frac{4.9}{30}$$

184.2

$$\frac{2.7}{50}$$

186.7

$$\frac{10.5}{30}$$

188.3

$$\frac{8.6}{20}$$

188.5

$$\frac{8.4}{30}$$

190.6

$$\frac{6.3}{30}$$

190.9

$$\frac{6.0}{50}$$

181.8

$$\frac{15.1}{50}$$

182.8

$$\frac{14.1}{30}$$

183.8

$$\frac{13.1}{10}$$

185.3

$$\frac{11.0}{30}$$

186.3

$$\frac{10.6}{20}$$

184.7

$$\frac{12.2}{28}$$

180.1

$$\frac{16.8}{46}$$

177.1

$$\frac{7.7}{50}$$

177.3

$$\frac{7.5}{44}$$

176.6

$$\frac{8.2}{20}$$

184.8

$$\frac{171.8}{13.0}$$

169.3

$$\frac{15.5}{17}$$

164.2

$$\frac{20.6}{27}$$

166.8

$$\frac{18.0}{32}$$

174.8

$$\frac{10.0}{43}$$

x



184.79

12.08 172.71

0.28 172.99

138.52

≠ Draw

+24

On Angle of Draw

+75

11.94 161.05

0.13 161.18

139

11.32 149.86

2.39 152.25

+25

+50

10.52 141.73

1.59 143.32

Bu #14

1.92 138.40 138.37

173.0

162.4  
06  
50

169.0  
4.0  
29

158.7  
143

169.4  
3.6  
17

185.6  
+12.6  
44

186.4  
+13.4  
50

152.0  
21.0  
5.0

158.7  
143

163.5  
9.5  
34

167.5  
15  
50

147.5  
25.5  
54

149.7  
233  
34

161.0  
12.0  
12

167.4  
16

171.5  
15  
8

174.9  
+1.9  
18

174.1  
+1.1  
38

184.4  
+14.  
59

146.9  
143  
50

145.3  
15.9  
44

148.2  
130  
35

149.2  
12.0  
30

154.8  
64

156.4  
48  
16

162.9  
+1.2  
30

165.2  
+4.0  
50

140.9  
114  
50

142.3  
10.0  
20

143.9  
84

145.7  
6.6  
11

154.0  
+1.7  
37

136.9  
154  
50

138.0  
12.3  
24

138.6  
13.7

140.5  
11.8  
30

140.5  
11.8  
50

144.49  
6.12  
138.37

County Datum  
City "

See Pg 7

x



30.  
Sta.

+

H.

-

E.

L.

R.

30.

139+66

143.32

± Read on angle of same

+75

140

4.95 138.37

+50

3.06 141 43

141

+50

T.P.

4.91 136.52

4.72 141 44

142

$\frac{136.3}{7.0}$	$\frac{136.8}{6.5}$	$\frac{136.8}{6.5}$	$\frac{137.3}{6.0}$	$\frac{137.6}{5.7}$	$\frac{137.8}{5.5}$	$\frac{139.8}{3.5}$
$\frac{200}{100}$	$\frac{100}{50}$	$\frac{100}{50}$		$\frac{50}{50}$	$\frac{100}{100}$	$\frac{200}{200}$

$\frac{137.1}{6.2}$	$\frac{138.2}{5.1}$	$\frac{137.7}{5.6}$
$\frac{50}{50}$		$\frac{50}{50}$

$\frac{136.7}{6.6}$	$\frac{137.4}{5.9}$	$\frac{137.4}{5.9}$	$\frac{137.5}{5.8}$
$\frac{50}{50}$		$\frac{30}{30}$	$\frac{50}{50}$

$\frac{136.4}{5.0}$	$\frac{136.8}{4.6}$	$\frac{137.0}{4.4}$
$\frac{30}{30}$		$\frac{30}{30}$

$\frac{136.0}{5.4}$	$\frac{136.4}{5.0}$	$\frac{136.4}{5.0}$
$\frac{30}{30}$		$\frac{30}{30}$

$\frac{135.9}{5.5}$	$\frac{136.2}{5.2}$	$\frac{136.4}{5.0}$
$\frac{30}{30}$		$\frac{30}{30}$

On Root ± 141+58

$\frac{135.3}{5.9}$	$\frac{135.0}{6.2}$	$\frac{136.1}{5.1}$
$\frac{30}{30}$		$\frac{30}{30}$

+



31.

141.24

142+45

+66

+75

143

+46

~~144~~

11.72 144.53

+50

144

8.45 132.79

In Wash

Cobblestone creek bed - Banks of earth and  
should be protected from scour.

31.

135.3

$$\begin{array}{r} 59 \\ \hline 30 \end{array}$$

136.0

$$\begin{array}{r} 72 \\ \hline 30 \end{array}$$

135.1

$$\begin{array}{r} 61 \\ \hline 19 \end{array}$$

135.2

$$\begin{array}{r} 60 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 132.2 \\ 9.0 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 132.6 \\ 86 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 132.8 \\ 84 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 134.5 \\ 6.7 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 135.5 \\ 5.7 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 136.4 \\ 4.8 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 136.2 \\ 5.0 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 136.3 \\ 4.9 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 136.2 \\ 5.0 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 135.6 \\ 5.6 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 135.7 \\ 5.5 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 135.8 \\ 5.4 \\ \hline 30 \end{array}$$

high water Elev = 135.5

$$\begin{array}{r} 131.5 \\ 1.30 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 131.4 \\ 1.31 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 132.1 \\ 1.24 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 132.1 \\ 1.24 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 132.0 \\ 1.25 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 129.2 \\ 1.53 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 131.4 \\ 1.31 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 132.1 \\ 1.24 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 132.3 \\ 1.22 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 131.7 \\ 1.18 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 133.0 \\ 1.15 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 133.6 \\ 1.09 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 133.5 \\ 1.10 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 134.7 \\ 1.18 \\ \hline 200 \end{array}$$

(x)



32.

144.53

144+50

145

+06

3.82 140.71

1213 152.84

Blu #15

6.58 146.26 146.28

+10

+50

146

3.46 149.38

12.08 161.46

+50

Lt.

Rt.

32.

131.8  
12.7  
50

132.1  
12.4

132.7  
11.8  
50

130.7  
13.8  
50

130.3  
14.2

130.6  
13.9  
50

130.1  
14.4  
50

130.4  
14.1

131.5  
13.0  
50

On Hub 43 Rt. 145+30 See Also Bk 59/3

139.4 152.84

~~143.9~~  
12.9  
30

141.6  
11.2

143.9  
8.9  
30

40.7  
12.1  
30

43.1  
9.7

46.4  
6.4  
30

39.4  
13.4  
50

44.9  
7.9

48.3 51.2  
4.5 16  
29 50

40.2 43.0 45.8  
21.3 18.5 15.7  
50 30 14

161.46  
48.4  
13.1

55.2 61.0  
6.3 0.5  
29 50

f



33.

161.46

146+75

147

1.14 160.32

+38

10.85

171.17

+73

Sta 147 to 165+50  
Loose Cobble & Earth

148+06

8/11/26  
Coote  
Dorval  
Clifton  
Burk

+22

+50

± Draw

+50

On Angle of Draw

Cont'd in Book # 3, Pg 1

161.46

33

Lt.

Rt.

40.4	44.9	47.8	51.5	55.0	70.9
<u>2.1</u>	<u>16.1</u>	<u>13.7</u>	<u>10.0</u>	<u>6.5</u>	<u>+9.4</u>
50	24	14		12	50

41.7	44.1	54.8	58.7	74.3	76.3
<u>19.8</u>	<u>17.4</u>	<u>6.7</u>	<u>2.8</u>	<u>+12.8</u>	<u>+14.8</u>
50	40	11		32	50

Same Slope  
20

49.0	53.7	61.4	68.2	77.0	88.3
<u>22.2</u>	<u>17.5</u>	<u>9.8</u>	<u>3.0</u>	<u>+5.8</u>	<u>+17.1</u>
50	37	17		25	50

Same Slope  
20

58.3	64.1	69.9	73.6	79.0	81.9
<u>12.9</u>	<u>7.1</u>	<u>1.3</u>	<u>+2.4</u>	<u>+7.8</u>	<u>+10.7</u>
50	13		13	38	50

55.  
30

52.6	59.7	64.8	65.8	71.2	75.8
<u>19.4</u>	<u>11.5</u>	<u>6.1</u>	<u>5.4</u>	<u>0.0</u>	<u>+4.1</u>
50	28	8		26	50

55.  
30

49.3	54.7	59.1	61.2	69.2
<u>21.9</u>	<u>16.5</u>	<u>12.1</u>	<u>10.0</u>	<u>2.0</u>
50	33	17		50

48.2	49.0	49.6	52.8	56.8	57.7
<u>23.0</u>	<u>22.2</u>	<u>21.6</u>	<u>18.7</u>	<u>14.7</u>	<u>13.5</u>
50	14		15	28	50

50.8	53.6	56.1	60.5
<u>20.4</u>	<u>17.6</u>	<u>15.1</u>	<u>10.7</u>
50		50	100

x



140.3

7.8  
132.5

0+20	7.8	132.5	
0+30	7.8	132.5	
0+40	7.4	132.9	
0+50	8.1	132.2	
0+60	7.5	132.8	144+00= 042.3
0+70	7.4	132.9	
0+80	7.5	132.8	
0+90	7.8	132.5	
1+00	8.1	132.2	
1+10	8.5	131.8	
1+20	8.1	132.2	
1+30	8.6	131.7	
1+40	8.5	131.8	
1+50	9.2	131.1	
1+60	9.5	130.8	
1+70	10.1	130.2	1+72.5 145+00
1+80	8.9	131.4	
1+82	0.0	140.3	
1+82.5	+		

JOB. NO. 141.62

146.22

136.4  
132.9

3.5