

NAME Euclid Ave

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

BOOK 5

#54

1884

BK-5

# FIELD NOTES

No. 403 P

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



EUCLID AVE.

MICROFILMED

DEC 30 1964

Book # 5



Sta.

Def angle

Lt.

Rt.

61+39.41

32° 43'  
65° 25'

58+86.11

30° 03'  
60° 06'

56+98.84  
P.O.T.

56+00

22° 20'  
44° 40'

54+01.55

180° 00'

45+59.47

"A4" Line

3/26/26

Coote

Losey

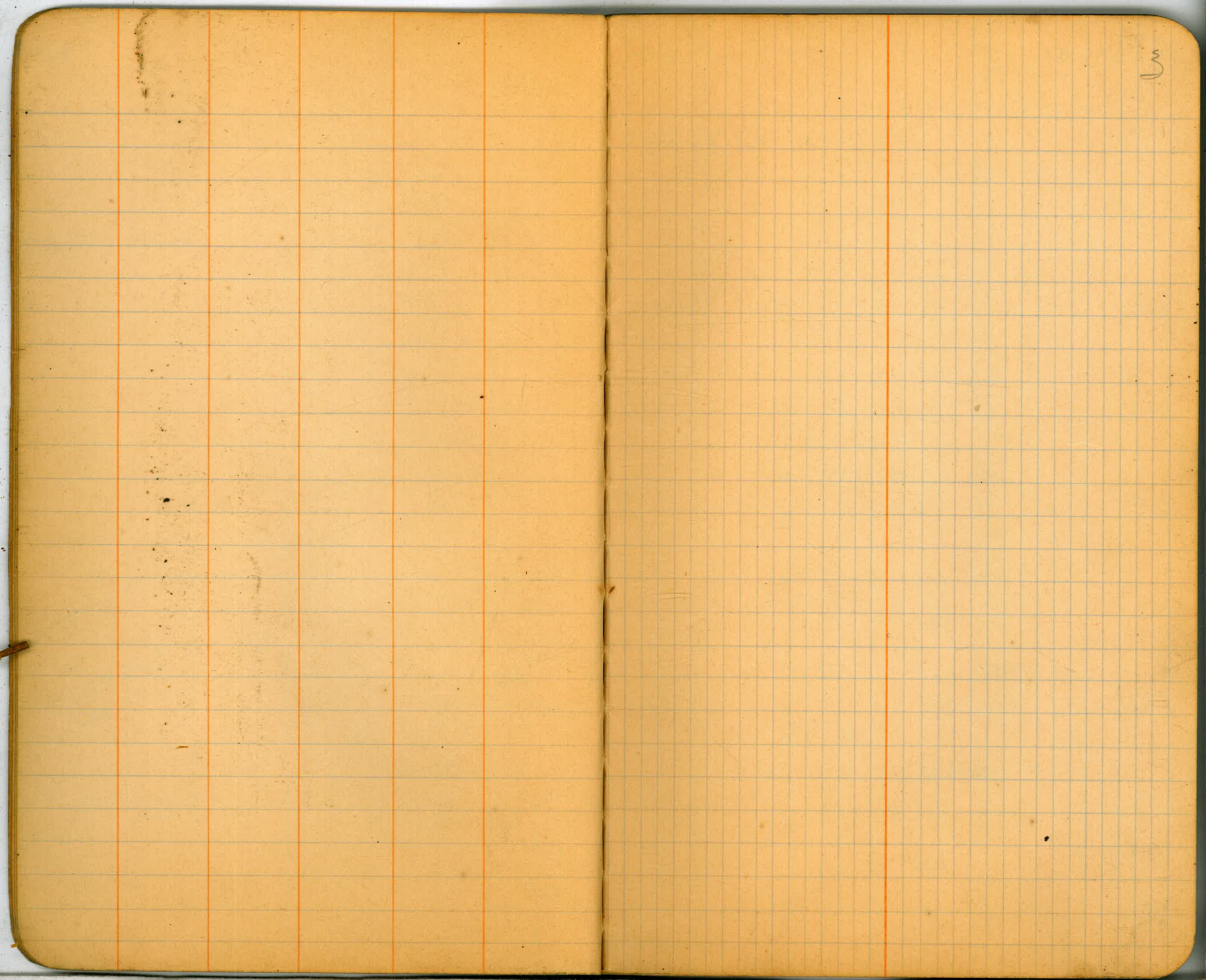
Heathcote

X- Secs on Pg 4  
This book











# PROFILE OF LINE CHANGE

4 H1 - 81  
 Bk #7 261.26  
 0.16 261.67  
 54+01.55 .16

+50 29

+87

Alignment on  
 Pg. 1, this book.

55

+50

56

0.11 11.89 249.73  
 0.08 249.81

+50

+93

STA. 54+01.55 TO 67+71.50 = 62+77.38 4

L+  
 Hub 72 Rt. 54+01.55

0  
 3  
 16

261.4 60.6 59.7 59.2 58.5 57.6  
~~+4.8~~ 10 2.9 3.4 3.1 4.1  
 30 17 8 15 31

61.1 59.2 59.1 57.3 56.5  
 0.5 2.4 2.5 4.3 5.1  
 30 15 15 15 30

61.1 60.0 58.4 56.3 54.6  
 0.5 1.6 3.2 5.3 7.0  
 30 15 15 15 30

60.4 57.4 55.3 52.6 50.8  
 1.2 4.2 6.3 9.0 10.8  
 30 15 15 15 30

On Split

56.6 53.6 51.1 48.6 45.2  
 5.0 6.0 10.5 13.0 16.4  
 30 15 15 15 30

54.5 51.6 48.2 46.2 43.9  
 +4.7 +1.8 1.6 3.6 6.0  
 30 15 15 15 30

52.0 48.7 46.5 45.4 41.9 38.9  
 +2.2 1.1 3.3 4.4 7.9 10.9  
 30 15 6 18 30

3/27/20  
 Cate  
 Losey  
 Heathcote



219.81

57

+36

11.86 237.95

0.20 238.15

+50

+85

58

11.95 226.17

0.10 226.27

+50

+86.11

11.94 214.33

0.66 214.49

59

L+

R+

5

251.2	48.1	45.2	43.4	38.8
+1.4	1.7	4.6	6.4	11.0
<u>30</u>	<u>15</u>	<u>11</u>	<u>11</u>	<u>30</u>

47.1	43.6	39.2	35.9	21.3	30.4
2.7	6.7	10.6	13.9	18.5	19.4
<u>30</u>	<u>18</u>	<u>9</u>	<u>24</u>	<u>30</u>	<u>30</u>

44.4	40.9	38.6	35.4	30.6	29.7	28.0
+6.2	+2.7	+0.8	2.8	7.6	8.5	10.2
<u>30</u>	<u>16</u>	<u>11</u>	<u>18</u>	<u>23</u>	<u>23</u>	<u>30</u>

36.1	32.4	29.2	26.7	22.5	21.7
2.1	5.8	9.0	11.5	15.7	16.5
<u>30</u>	<u>15</u>	<u>9</u>	<u>24</u>	<u>30</u>	<u>30</u>

33.1	29.6	25.9	24.5	22.4	19.7
5.1	8.6	12.4	13.7	11.5	18.5
<u>30</u>	<u>15</u>	<u>7</u>	<u>19</u>	<u>30</u>	<u>30</u>

22.3	14.9	17.3	15.1	12.8
4.0	6.4	9.0	11.2	13.5
<u>30</u>	<u>15</u>	<u>15</u>	<u>30</u>	<u>30</u>

On Split

19.1	16.9	14.0	12.9	11.0	8.8	7.2
7.2	9.4	12.3	13.4	15.3	17.5	19.1
<u>30</u>	<u>30</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>30</u>	<u>30</u>

14.5	12.2	11.5	10.6	9.7	8.5
0.9	2.3	3.0	3.1	4.8	6.2
<u>5.0</u>	<u>30</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>30</u>



59 + 50

214.29

60

11.90 202.59

+50

3.78 206.37

61

+39.21

+60

11.84 194.53

+70

2.66 197.19

62

Lt.

Rt.

6

208.2	7.4	6.8	5.9	5.0	4.4
<u>6.3</u>	<u>7.1</u>	<u>7.7</u>	<u>8.0</u>	<u>9.5</u>	<u>10.1</u>
50	30	15		15	30

4.5	3.9	3.2	2.7	2.1	1.1
<u>10.9</u>	<u>10.6</u>	<u>11.3</u>	<u>11.8</u>	<u>12.4</u>	<u>13.4</u>
50	30	15		15	30

202.7	2.2	0.6	0.7	0.3	199.7
<u>3.7</u>	<u>4.2</u>	<u>5.8</u>	<u>5.7</u>	<u>6.1</u>	<u>6.7</u>
30	30	15		15	30

202.1	1.5	0.4	199.6	199.1	198.9
<u>8.3</u>	<u>1.9</u>	<u>6.0</u>	<u>6.8</u>	<u>7.3</u>	<u>7.5</u>
50	30	15		15	30

au Split

194.2	2000	199.6	98.8	98.5	98.4	97.8
<u>7.2</u>	<u>6.4</u>	<u>6.8</u>	<u>7.6</u>	<u>7.9</u>	<u>8.0</u>	<u>8.6</u>
50	30	15		15	30	50

191.2	193.1	93.0	97.1	97.1	96.7
<u>11.2</u>	<u>13.3</u>	<u>13.4</u>	<u>9.3</u>	<u>9.3</u>	<u>9.7</u>
50	30	15		15	30

92.6	91.5	91.4	90.6	90.3	90.2
<u>4.6</u>	<u>5.3</u>	<u>5.5</u>	<u>6.6</u>	<u>6.9</u>	<u>7.0</u>
50	30	15		15	30

92.2	92.0	92.1	91.0	89.5	89.1	89.5
<u>5.0</u>	<u>5.4</u>	<u>5.7</u>	<u>6.2</u>	<u>7.7</u>	<u>8.1</u>	<u>7.7</u>
50	30	15		7	20	30



62405

197.19

+78

+59

+75

63

+19.80

64

+50

1.82

193.18

5.83

191.36

Lt.

Rt.

7

89.5	89.6	89.3	89.0	89.2	90.1
$\frac{7.7}{50}$	$\frac{7.6}{30}$	$\frac{7.9}{15}$	$\frac{8.7}{15}$	$\frac{8.0}{18}$	$\frac{7.1}{30}$

89.6	89.9	90.0	91.2	91.0	91.0	90.7	90.5	89.0	88.4
$\frac{7.4}{100}$	$\frac{7.3}{50}$	$\frac{7.7}{40}$	$\frac{6.0}{30}$	$\frac{6.2}{15}$	$\frac{6.2}{15}$	$\frac{6.5}{15}$	$\frac{6.7}{30}$	$\frac{8.2}{50}$	$\frac{8.8}{100}$

± Chalk 8K

89.2	89.1	89.0	88.6	88.5	88.2
$\frac{8.0}{50}$	$\frac{8.1}{30}$	$\frac{8.7}{15}$	$\frac{8.6}{15}$	$\frac{8.7}{15}$	$\frac{9.0}{20}$

92.8	92.5	92.3	92.2	92.3	92.1	91.7
$\frac{4.4}{50}$	$\frac{4.7}{30}$	$\frac{4.9}{15}$	$\frac{5.0}{15}$	$\frac{4.9}{15}$	$\frac{5.1}{30}$	$\frac{5.5}{50}$

93.2	92.3	92.3	92.2	92.1	91.8	91.4
$\frac{4.0}{50}$	$\frac{4.9}{30}$	$\frac{4.9}{15}$	$\frac{5.0}{15}$	$\frac{5.1}{15}$	$\frac{5.4}{30}$	$\frac{5.8}{50}$

92.7	93.0	91.6	92.0	90.7	91.1	91.0
$\frac{4.5}{30}$	$\frac{4.2}{15}$	$\frac{5.6}{15}$	$\frac{6.2}{15}$	$\frac{6.8}{30}$	$\frac{6.1}{50}$	$\frac{6.2}{75}$

91.7	91.6	91.3	90.3	90.2	90.7	90.8	90.4
$\frac{5.8}{30}$	$\frac{5.7}{15}$	$\frac{5.9}{15}$	$\frac{6.9}{8}$	$\frac{7.0}{16}$	$\frac{6.5}{22}$	$\frac{6.4}{22}$	$\frac{6.8}{50}$

91.0	91.2	91.5	90.0	90.6	90.2	89.8
$\frac{6.2}{30}$	$\frac{6.0}{15}$	$\frac{5.7}{15}$	$\frac{7.2}{13}$	$\frac{6.6}{17}$	$\frac{8.0}{25}$	$\frac{7.4}{40}$



Lt.

Rt.

8

193.18

65

90.4	90.7	90.4	89.7	89.0	89.2	88.4	88.7
$\frac{28}{30}$	$\frac{2.5}{15}$	$\frac{3.0}{15}$	$\frac{4.5}{14}$	$\frac{4.2}{17}$	$\frac{4.0}{24}$	$\frac{5.0}{38}$	$\frac{8.5}{40}$

+50

90.4	89.4	89.1	89.8	88.0	88.0	88.4
$\frac{2.8}{30}$	$\frac{3.8}{15}$	$\frac{4.1}{15}$	$\frac{4.2}{4}$	$\frac{5.2}{18}$	$\frac{5.2}{24}$	$\frac{5.8}{32}$

66

89.2	88.7	88.4	88.0	87.9	87.5	88.0
$\frac{4.0}{30}$	$\frac{4.5}{15}$	$\frac{4.8}{15}$	$\frac{5.2}{11}$	$\frac{5.3}{18}$	$\frac{5.8}{20}$	$\frac{5.2}{30}$

+50

88.7	88.6	87.7	88.0	87.6	87.7	87.9	87.6
$\frac{4.5}{30}$	$\frac{4.6}{26}$	$\frac{5.5}{25}$	$\frac{5.2}{14}$	$\frac{5.6}{10}$	$\frac{5.5}{15}$	$\frac{5.3}{15}$	$\frac{5.6}{30}$

67

88.6	88.1	86.9	86.4	86.7	86.4	86.9
$\frac{5.2}{30}$	$\frac{5.1}{28}$	$\frac{6.3}{10}$	$\frac{6.8}{5}$	$\frac{6.5}{15}$	$\frac{6.3}{15}$	$\frac{6.3}{30}$

+50

86.0	86.4	87.5	86.2	86.4	86.1	87.1
$\frac{7.2}{30}$	$\frac{7.0}{15}$	$\frac{6.5}{4}$	$\frac{6.9}{15}$	$\frac{6.8}{5}$	$\frac{7.1}{19}$	$\frac{6.1}{30}$

67+71.50=  
62+77.88

Taken at Rt. angle

86.4	86.4	86.6	86.0	86.0	86.4	86.6	86.7	
$\frac{7.8}{30}$	$\frac{7.0}{15}$	$\frac{6.6}{3}$	$\frac{7.2}{2}$	$\frac{7.2}{10}$	$\frac{7.0}{10}$	$\frac{7.2}{16}$	$\frac{6.6}{27}$	$\frac{6.5}{30}$

7.16 186.00

5.92 191.94

Btu=8

3.55 188.36 188.37

Spk. in Root of Sycamore E. side Cholla Wash



Sec. of B Line

Sta. 130+00 to Sta. 159+95

B<sup>u</sup>#14

4.21 214.95

130

+50

131

+50

Alignment notes in  
FB#1, Pg.

132

+50

4.21 210.74

0.16 210.90

133

+50

210.74

Top 4x4 Stk. ± 132+49 B Line -

206.2 8.5 30	207.2 7.8 15	208.5 6.5 15	209.9 7.1 3	207.6 7.4 10	210.0 5.0 12	210.2 4.8 23	210.4 4.6 30
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207.0 8.0 30	208.1 6.9 15	10.7 6.3 2	9.2 5.8 1	9.0 6.0 10	8.7 6.3 10	9.3 5.7 12	10.2 4.8 30
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209.2 5.8 30	9.8 5.2 15	10.4 4.6 1	10.2 4.2 1	10.2 4.8 3	10.2 4.8 10	10.9 4.1 12	11.6 3.4 30
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208.1 6.9 30	8.9 6.1 15	9.9 5.1 3	10.5 4.5 1	10.3 4.7 1	10.0 5.0 10	10.6 4.2 12	11.6 3.4 30
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206.6 8.4 30	8.2 6.8 10	9.6 5.9 2	10.0 5.0 10	9.4 5.7 10	10.4 4.6 12	11.0 3.0 30
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206.6 8.4 30	7.4 7.6 15	8.7 6.3 1	9.2 5.8 1	8.9 6.1 4	8.8 6.2 10	9.7 5.3 12	10.7 4.3 42
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206.8 4.1 30	7.3 5.6 15	7.9 3.0 1	7.8 3.1 1	8.2 4.7 1	7.5 3.4 10	8.3 2.6 12	8.2 2.7 30
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104.8 6.1 30	4.9 6.0 15	5.2 5.6 1	4.8 6.1 6	3.9 7.0 8	5.1 5.8 12	4.8 6.1 30
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134

210.90

11.91 198.99

+50

0.45 199.44

135

+50

136

+50

137

+50

1.01 188.69

11.76 187.68

B<sup>y</sup>

10

200.9	1.2	1.3	200.9	0.5	1.3	1.0
$\frac{100}{30}$	$\frac{9.7}{15}$	$\frac{9.6}{15}$	$\frac{100}{5}$	$\frac{10.4}{7}$	$\frac{9.6}{11}$	$\frac{9.9}{30}$

97.3	97.8	97.7	97.5	97.2	97.6	97.9
$\frac{2.1}{30}$	$\frac{1.6}{18}$	$\frac{1.7}{1}$	$\frac{1.9}{1}$	$\frac{2.2}{8}$	$\frac{1.8}{10}$	$\frac{1.5}{30}$

95.4	95.4	95.3	95.6	95.6
$\frac{1.0}{30}$	$\frac{1.0}{18}$	$\frac{1.1}{1}$	$\frac{2.8}{15}$	$\frac{3.8}{30}$

94.7	94.0	94.5	94.5	94.9	95.0
$\frac{5.7}{30}$	$\frac{5.9}{15}$	$\frac{4.9}{1}$	$\frac{4.9}{9}$	$\frac{4.5}{11}$	$\frac{4.4}{30}$

93.8	93.4	94.8	94.5	94.4	95.4	95.9	96.0
$\frac{6.6}{30}$	$\frac{6.0}{20}$	$\frac{4.6}{1}$	$\frac{4.9}{1}$	$\frac{5.0}{10}$	$\frac{4.0}{12}$	$\frac{3.5}{25}$	$\frac{3.4}{30}$

91.7	92.0	93.3	94.2	94.2	93.2	93.1	94.5	95.2
$\frac{7.7}{30}$	$\frac{7.4}{24}$	$\frac{6.1}{17}$	$\frac{5.2}{6}$	$\frac{5.2}{2}$	$\frac{6.2}{2}$	$\frac{6.3}{10}$	$\frac{4.9}{13}$	$\frac{4.2}{30}$

89.7	90.1	91.0	91.2	91.2	90.9	91.1	92.3	92.6
$\frac{9.8}{30}$	$\frac{9.3}{15}$	$\frac{8.2}{9}$	$\frac{8.2}{1}$	$\frac{8.2}{1}$	$\frac{8.5}{1}$	$\frac{8.3}{10}$	$\frac{7.1}{15}$	$\frac{6.8}{30}$

88.0	87.6	88.0	88.1	88.5
$\frac{11.4}{30}$	$\frac{11.0}{15}$	$\frac{11.4}{15}$	$\frac{11.3}{15}$	$\frac{10.9}{30}$



138

188.69

+50

139

+50

140

+50

141

0.11

177.03

11.77

176.94

+50

"B"

Lt.

Rt.

11

186.9	86.5	86.4	86.3	86.6
<u>1.8</u>	<u>2.2</u>	<u>2.3</u>	<u>2.4</u>	<u>2.1</u>
30	15		14	30

186.0	85.6	85.1	85.3	84.4
<u>2.7</u>	<u>3.1</u>	<u>3.8</u>	<u>3.4</u>	<u>4.3</u>
30	15		13	30

183.8	83.5	83.5	83.2	82.7
<u>4.9</u>	<u>5.2</u>	<u>5.2</u>	<u>5.5</u>	<u>6.0</u>
30	15		13	30

80.9	81.1	81.5	80.9	80.2
<u>7.8</u>	<u>7.5</u>	<u>7.2</u>	<u>7.8</u>	<u>8.5</u>
30	15		15	30

179.1	74.7	78.1	78.1	78.1
<u>9.6</u>	<u>9.0</u>	<u>10.5</u>	<u>10.6</u>	<u>10.6</u>
30	19		13	30

176.8	77.0	76.6	76.5	77.1
<u>11.9</u>	<u>11.7</u>	<u>12.1</u>	<u>12.2</u>	<u>11.6</u>
30	15		13	30

174.5	74.7	74.6	74.6	74.6	74.4
<u>2.5</u>	<u>2.3</u>	<u>2.4</u>	<u>2.4</u>	<u>2.2</u>	<u>1.6</u>
30	15		10	14	30

172.4	72.8	72.9	72.9	73.2
<u>4.6</u>	<u>4.4</u>	<u>4.1</u>	<u>4.1</u>	<u>3.8</u>
30	15		10	30



142

177.03

+50

143

+50

+70

144

277

168.vc

+25

+50

B

12

170.7	70.8	70.7	70.7	71.4	71.2
$\frac{6.3}{30}$	$\frac{6.2}{15}$	$\frac{6.3}{15}$	$\frac{6.3}{10}$	$\frac{5.6}{23}$	$\frac{5.8}{30}$

169.5	169.v	186	68.6	188	69.5
$\frac{7.5}{30}$	$\frac{7.8}{15}$	$\frac{8.4}{15}$	$\frac{8.4}{8}$	$\frac{8.2}{13}$	$\frac{7.5}{30}$

167.5	66.9	66.6	66.4	66.6	67.6
$\frac{9.5}{30}$	$\frac{10.1}{15}$	$\frac{10.4}{15}$	$\frac{10.6}{12}$	$\frac{10.4}{22}$	$\frac{9.4}{30}$

166.0	67.v	67.4	67.3	66.6	66.0	65.7	65.7
$\frac{11.0}{30}$	$\frac{9.8}{20}$	$\frac{9.6}{15}$	$\frac{9.7}{1}$	$\frac{10.4}{15}$	$\frac{11.0}{1}$	$\frac{11.3}{10}$	$\frac{11.3}{30}$

165.5	65.7	65.3	65.3	65.3	65.4
$\frac{11.0}{30}$	$\frac{11.3}{15}$	$\frac{11.7}{15}$	$\frac{11.7}{12}$	$\frac{11.7}{18}$	$\frac{11.6}{30}$

164.9	65.0	65.0	65.0	65.5	65.6
$\frac{3.4}{30}$	$\frac{3.3}{15}$	$\frac{3.3}{15}$	$\frac{3.3}{10}$	$\frac{2.8}{12}$	$\frac{2.7}{30}$

65.6	65.9	65.1	64.8	64.6	64.4
$\frac{2.5}{30}$	$\frac{2.4}{15}$	$\frac{3.2}{15}$	$\frac{3.5}{10}$	$\frac{3.5}{23}$	$\frac{3.4}{30}$

64.7	64.3	64.7	64.4	65.0	64.7	63.6
$\frac{3.6}{30}$	$\frac{4.0}{15}$	$\frac{3.6}{15}$	$\frac{3.4}{10}$	$\frac{3.3}{13}$	$\frac{3.0}{22}$	$\frac{2.7}{17}$



168.26

144.72

145

+25

+42

+60

+92

146.08

+50

0.98 157.26

11.98 156.48

B

13

64.4	64.2	64.9	65.0	64.5	64.0	63.6	64.3	63.9
$\frac{3.5}{30}$	$\frac{4.1}{27}$	$\frac{3.4}{15}$	$\frac{3.3}{7}$	$\frac{3.8}{-}$	$\frac{4.3}{2}$	$\frac{4.5}{15}$	$\frac{4.0}{25}$	$\frac{4.4}{30}$

64.6	64.0	64.0	63.7	64.7	64.5	63.9
$\frac{3.7}{30}$	$\frac{4.3}{15}$	$\frac{4.3}{-}$	$\frac{4.6}{10}$	$\frac{3.6}{13}$	$\frac{3.8}{25}$	$\frac{4.4}{30}$

64.4	65.6	64.6	63.7	63.3	63.1
$\frac{3.4}{30}$	$\frac{2.7}{15}$	$\frac{3.7}{-}$	$\frac{4.6}{2}$	$\frac{5.0}{13}$	$\frac{5.2}{30}$

64.4	63.6	63.6	63.4	63.7	62.7
$\frac{3.9}{30}$	$\frac{4.7}{15}$	$\frac{4.7}{-}$	$\frac{4.9}{10}$	$\frac{4.6}{12}$	$\frac{5.6}{30}$

63.6	63.4	64.0	63.5	63.3	64.0	62.6
$\frac{4.7}{30}$	$\frac{4.9}{15}$	$\frac{4.3}{-}$	$\frac{4.8}{2}$	$\frac{5.0}{11}$	$\frac{4.3}{15}$	$\frac{5.5}{30}$

61.4	62.1	62.1	62.3	62.2
$\frac{6.9}{30}$	$\frac{6.2}{15}$	$\frac{6.2}{-}$	$\frac{6.0}{15}$	$\frac{6.1}{30}$

60.0	61.3	62.4	63.2	62.5	62.1	61.7
$\frac{8.3}{30}$	$\frac{7.0}{20}$	$\frac{5.4}{7}$	$\frac{5.1}{-}$	$\frac{5.8}{15}$	$\frac{6.2}{10}$	$\frac{6.6}{30}$

55.2	56.7	58.7	60.5	61.4
$\frac{13.1}{80}$	$\frac{11.6}{15}$	$\frac{9.6}{-}$	$\frac{7.8}{15}$	$\frac{6.9}{30}$



147

159.26

+50

148

11.81 145.45

+18

0.75 146.70

+50

11.96 134.24

+79

0.64 134.88

149

+10

$$\begin{array}{r} 152.0 \\ 53 \\ \hline 30 \end{array} \quad \begin{array}{r} 53.1 \\ 42 \\ \hline 15 \end{array} \quad \begin{array}{r} 55.1 \\ 22 \\ \hline 9 \end{array} \quad \begin{array}{r} 56.9 \\ 0.4 \\ \hline 9 \end{array} \quad \begin{array}{r} 159.6 \\ +2.3 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 1483 \\ 9.0 \\ \hline 30 \end{array} \quad \begin{array}{r} 1503 \\ 7.0 \\ \hline 15 \end{array} \quad \begin{array}{r} 523 \\ 50 \\ \hline 15 \end{array} \quad \begin{array}{r} 555 \\ 1.8 \\ \hline 15 \end{array} \quad \begin{array}{r} 565 \\ +1.2 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 141.8 \\ 155 \\ \hline 30 \end{array} \quad \begin{array}{r} 145.5 \\ 118 \\ \hline 10 \end{array} \quad \begin{array}{r} 146.7 \\ 106 \\ \hline 10 \end{array} \quad \begin{array}{r} 468 \\ 16.8 \\ \hline 10 \end{array} \quad \begin{array}{r} 46.3 \\ 9.0 \\ \hline 10 \end{array} \quad \begin{array}{r} 49.6 \\ 7.5 \\ \hline 15 \end{array} \quad \begin{array}{r} 525 \\ 48 \\ \hline 24 \end{array} \quad \begin{array}{r} 53.4 \\ 39 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 137.4 \\ 8.8 \\ \hline 30 \end{array} \quad \begin{array}{r} 139.2 \\ 7.0 \\ \hline 21 \end{array} \quad \begin{array}{r} 41.9 \\ 4.3 \\ \hline 10 \end{array} \quad \begin{array}{r} 44.0 \\ 22 \\ \hline 10 \end{array} \quad \begin{array}{r} 45.5 \\ 0.7 \\ \hline 8 \end{array} \quad \begin{array}{r} 148.0 \\ +1.8 \\ \hline 17 \end{array} \quad \begin{array}{r} 49.4 \\ +32 \\ \hline 24 \end{array} \quad \begin{array}{r} 50.7 \\ +45 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 132.0 \\ 142 \\ \hline 30 \end{array} \quad \begin{array}{r} 34.3 \\ 11.9 \\ \hline 15 \end{array} \quad \begin{array}{r} 136.7 \\ 9.5 \\ \hline 15 \end{array} \quad \begin{array}{r} 140.3 \\ 5.9 \\ \hline 16 \end{array} \quad \begin{array}{r} 42.4 \\ 3.8 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 1483 \\ 66 \\ \hline 30 \end{array} \quad \begin{array}{r} 130.2 \\ 4.6 \\ \hline 10 \end{array} \quad \begin{array}{r} 31.8 \\ 3.4 \\ \hline 7 \end{array} \quad \begin{array}{r} 32.2 \\ 21 \\ \hline 10 \end{array} \quad \begin{array}{r} 34.7 \\ 0.2 \\ \hline 13 \end{array} \quad \begin{array}{r} 34.9 \\ 0.0 \\ \hline 18 \end{array} \quad \begin{array}{r} 36.4 \\ +1.5 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 127.2 \\ 71 \\ \hline 30 \end{array} \quad \begin{array}{r} 27.4 \\ 7.5 \\ \hline 15 \end{array} \quad \begin{array}{r} 28.4 \\ 6.5 \\ \hline 15 \end{array} \quad \begin{array}{r} 29.8 \\ 5.1 \\ \hline 14 \end{array} \quad \begin{array}{r} 31.2 \\ 5.7 \\ \hline 25 \end{array} \quad \begin{array}{r} 32.5 \\ 2.4 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 126.4 \\ 8.5 \\ \hline 30 \end{array} \quad \begin{array}{r} 26.8 \\ 8.1 \\ \hline 15 \end{array} \quad \begin{array}{r} 27.8 \\ 7.4 \\ \hline 15 \end{array} \quad \begin{array}{r} 28.5 \\ 6.4 \\ \hline 15 \end{array} \quad \begin{array}{r} 30.1 \\ 4.8 \\ \hline 15 \end{array}$$



13488

149+50

150

11.86

123.02

0.00

123.02

+50

+74

151

+15

+50

152

3.79

118.88

7.93

115.09

B"

L

R

15

$$\begin{array}{r} 125.4 \\ 95 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 255 \\ 94 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 255 \\ 94 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 255 \\ 94 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 258 \\ 91 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 1236 \\ 113 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 247 \\ 102 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 249 \\ 100 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 246 \\ 103 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 246 \\ 103 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 1185 \\ 45 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 156 \\ 44 \\ \hline 23 \end{array}$$

$$\begin{array}{r} 20.1 \\ 29 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 21.4 \\ 16 \\ \hline 2 \end{array}$$

$$\begin{array}{r} 22.0 \\ 10 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 23.6 \\ +0.6 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 24.1 \\ +1.1 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 24.1 \\ +1.1 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 116.4 \\ 46 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 116.2 \\ 48 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 128 \\ 52 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 11.4 \\ 4.6 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 20.3 \\ 2.7 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 22.4 \\ 0.6 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 23.0 \\ 0.8 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 117.2 \\ 5.8 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 18.0 \\ 5.0 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 17.9 \\ 5.1 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 18.4 \\ 4.5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 15.0 \\ 5.0 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 18.3 \\ 4.7 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 117.2 \\ 5.7 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 15.8 \\ 7.2 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 16.4 \\ 6.5 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 16.4 \\ 6.6 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 17.7 \\ 5.3 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 17.4 \\ 5.6 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 17.1 \\ 4.9 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 17.2 \\ 5.8 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 17.5 \\ 5.5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 17.5 \\ 5.5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 17.2 \\ 5.8 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 116.9 \\ 6.1 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 16.9 \\ 6.1 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 15.8 \\ 7.2 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 16.5 \\ 6.5 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 16.4 \\ 6.6 \\ \hline 30 \end{array}$$



118.58

152+50

+70

+88

+53

+14

+23

+43

+90 ✓

B

16

116.2	116.1	114.9	14.5	14.3	14.6	15.2	13.6
$\frac{2.7}{30}$	$\frac{2.8}{10}$	$\frac{4.0}{4}$	$\frac{4.4}{-}$	$\frac{4.6}{6}$	$\frac{4.1}{8}$	$\frac{3.7}{25}$	$\frac{5.3}{30}$

15.9	15.9	14.3	14.9	13.7	15.1	13.1	14.4
$\frac{3.0}{30}$	$\frac{3.0}{16}$	$\frac{4.6}{8}$	$\frac{4.0}{4}$	$\frac{5.2}{-}$	$\frac{3.8}{12}$	$\frac{5.8}{22}$	$\frac{4.5}{30}$

15.6	15.5	14.3	14.2	13.6	13.8	15.1	13.2	13.7	14.2
$\frac{3.3}{30}$	$\frac{3.4}{20}$	$\frac{4.6}{15}$	$\frac{4.7}{11}$	$\frac{5.3}{9}$	$\frac{5.1}{6}$	$\frac{3.8}{-}$	$\frac{5.7}{10}$	$\frac{5.2}{20}$	$\frac{4.7}{30}$

15.5	15.8	14.1	14.1	13.2	12.6	13.3	14.7	14.8
$\frac{3.4}{30}$	$\frac{3.1}{25}$	$\frac{4.8}{19}$	$\frac{4.8}{11}$	$\frac{5.7}{18}$	$\frac{6.1}{-}$	$\frac{5.6}{5}$	$\frac{4.2}{13}$	$\frac{4.1}{30}$

15.2	14.9	13.2	14.9	13.4	13.6	15.3
$\frac{3.7}{30}$	$\frac{6.0}{17}$	$\frac{5.7}{8}$	$\frac{4.0}{-}$	$\frac{5.5}{20}$	$\frac{5.3}{25}$	$\frac{3.6}{30}$

115.0	12.3	13.1	12.2	14.3	15.3	15.0
$\frac{3.9}{33}$	$\frac{6.6}{17}$	$\frac{5.8}{-}$	$\frac{5.6}{8}$	$\frac{4.6}{11}$	$\frac{3.6}{23}$	$\frac{3.9}{30}$

11.6	12.1	13.8	14.3	13.7	13.4	14.7	14.5
$\frac{7.1}{30}$	$\frac{6.8}{26}$	$\frac{5.1}{20}$	$\frac{4.6}{14}$	$\frac{5.2}{13}$	$\frac{5.5}{6}$	$\frac{4.2}{15}$	$\frac{4.8}{30}$

11.8	13.5	13.4	14.0	13.8	13.8
$\frac{6.1}{30}$	$\frac{5.4}{19}$	$\frac{5.5}{14}$	$\frac{4.9}{-}$	$\frac{5.1}{12}$	$\frac{5.4}{30}$



1154 + 28

118.88

+ 38

+ 56

+ 76

155

+ 50

6.84 112.04

+ 82

9.41 121.45

+ 84

13

17

12.1	12.9	12.7	12.4	13.5	13.0	13.1
$\frac{68}{30}$	$\frac{60}{19}$	$\frac{62}{11}$	$\frac{6.7}{5}$	$\frac{54}{16}$	$\frac{59}{16}$	$\frac{58}{30}$

113.2	12.3	11.9	11.1	11.2	13.2	12.8
$\frac{56}{30}$	$\frac{66}{30}$	$\frac{7.0}{15}$	$\frac{7.8}{15}$	$\frac{7.7}{6}$	$\frac{5.7}{12}$	$\frac{6.1}{30}$

114.0	13.6	12.0	12.1	11.2	10.5
$\frac{49}{30}$	$\frac{53}{21}$	$\frac{6.9}{10}$	$\frac{6.8}{15}$	$\frac{7.7}{15}$	$\frac{8.4}{30}$

13.7	13.4	13.3	11.4	12.4	12.7
$\frac{52}{30}$	$\frac{55}{15}$	$\frac{5.6}{15}$	$\frac{7.8}{7}$	$\frac{6.0}{20}$	$\frac{6.2}{30}$

113.2	13.2	12.7	12.2	12.5
$\frac{5.7}{30}$	$\frac{5.7}{15}$	$\frac{6.2}{15}$	$\frac{6.7}{15}$	$\frac{6.4}{30}$

112.7	12.0	11.9	11.9	11.6
$\frac{62}{30}$	$\frac{6.9}{15}$	$\frac{7.0}{15}$	$\frac{7.0}{15}$	$\frac{7.3}{30}$

107.9	1088	11.8	11.7	11.3	11.0
$\frac{36}{30}$	$\frac{130}{24}$	$\frac{9.7}{20}$	$\frac{9.8}{15}$	$\frac{10.2}{15}$	$\frac{10.5}{30}$

10	7.8	8.0	8.4	7.9	7.1
$\frac{137}{30}$	$\frac{13.5}{15}$	$\frac{13.1}{15}$	$\frac{13.6}{15}$	$\frac{14.6}{30}$	$\frac{14.6}{30}$



121.45

156

+ 14

+ 56

+ 82

+ 87

157 ✓

11.35

131.86

0.94

120.51

+ 40

+ 50

119.0

143.25

0.51 131.35

-B"

18

108.8 13.0 30	8.4 13.1 15	7.1 14.4 15	5.8 15.7 15	5.5 16.0 30
---------------------	-------------------	-------------------	-------------------	-------------------

109.4 12.1 30	9.2 12.3 15	8.5 12.7 15	9.3 12.2 15	6.0 15.1 30
---------------------	-------------------	-------------------	-------------------	-------------------

112.5 9.0 40	8.9 11.6 30	9.6 11.9 15	9.6 11.9 15	9.4 12.1 15	9.1 12.4 30	9.0 12.5 15
--------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

119.0 2.5 30	12.5 9.0 6	9.4 12.1 15	8.9 12.6 15	8.7 12.8 30	8.5 13.0 15
--------------------	------------------	-------------------	-------------------	-------------------	-------------------

120.8 0.7 30	16.4 15.1 15	14.2 9.3 15	8.8 12.7 6	8.9 12.6 30	8.9 12.7 15
--------------------	--------------------	-------------------	------------------	-------------------	-------------------

123.1 +1.6 30	19.7 18 15	14.9 16.6 15	12.7 8.8 7	8.6 12.9 15	8.5 13.0 30	8.5 13.0 15
---------------------	------------------	--------------------	------------------	-------------------	-------------------	-------------------

137.5 +5.2 30	36.5 +4.6 15	32.8 +0.9 15	31.9 0.0 6	22.5 4.4 15	21.6 10.3 30
---------------------	--------------------	--------------------	------------------	-------------------	--------------------

25.0 6.4 30	24.4 2.5 15	35.0 +3.1 15	38.3 +6.4 15	39.6 +7.7 30
-------------------	-------------------	--------------------	--------------------	--------------------



158

143.25

+50

159

+08

6.24 145.84

3.65 139.60

+14

+24

+36

+45

B

19

145.4	41.3	39.9	37.6	34.9	130.2
+2.1	2.0	3.4	5.5	8.5	15.1
<u>30</u>	<u>7</u>	<u>12</u>	<u>5</u>	<u>15</u>	<u>30</u>

145.7	45.0	42.6	39.3	37.1	34.0
+2.4	+1.7	0.5	4.0	6.2	9.5
<u>30</u>	<u>23</u>	<u>12</u>	<u>40</u>	<u>15</u>	<u>30</u>

145.3	44.7	42.5	39.1	38.3	36.7
+2.0	+1.2	0.8	4.2	5.0	6.2
<u>30</u>	<u>10</u>	<u>8</u>	<u>15</u>	<u>23</u>	<u>30</u>

Same as Ste 159

142.6	39.4	38.6
0.7	3.9	4.7
	<u>18</u>	<u>38</u>

Same as Ste 159

143.0	40.0	32.8	38.4
2.9	5.9	13.1	7.1
<u>8</u>	<u>19</u>	<u>31</u>	<u>31</u>

145.1	44.5	43.9	41.2	32.6	32.7	39.0
0.8	1.8	2.0	4.7	13.1	13.2	6.9
<u>30</u>	<u>15</u>	<u>5</u>	<u>12</u>	<u>36</u>	<u>36</u>	<u>40</u>

Same as +24

140.7	40.4	32.6	38.4
5.2	5.5	13.3	7.1
<u>5</u>	<u>5</u>	<u>23</u>	<u>31</u>

144.3	43.8	43.0	41.7	40.4	39.1	38.8
1.6	2.1	2.9	4.2	5.5	6.8	7.1
<u>30</u>	<u>16</u>	<u>7</u>	<u>5</u>	<u>24</u>	<u>24</u>	<u>30</u>

Reservoir  
↑  
(out of use)  
↓



159+61

125.84

+95±  
W.P.I.

0.64

134.17

12.01

133.83

0.27

123.05

11.69

122.75

0.07

111.19

11.93

111.12

7.37

103.84

103.88

Σ  
PK. 4 P. 6  
FOR COKTN "B"

B"

20

144.1  
1.8  
30

43.0  
2.9  
15

40.0  
5.0  
11

38.0  
7.1  
11

35.8  
10.1  
30

144.8  
3.1  
30

44.3  
3.6  
10

40.0  
5.9  
11

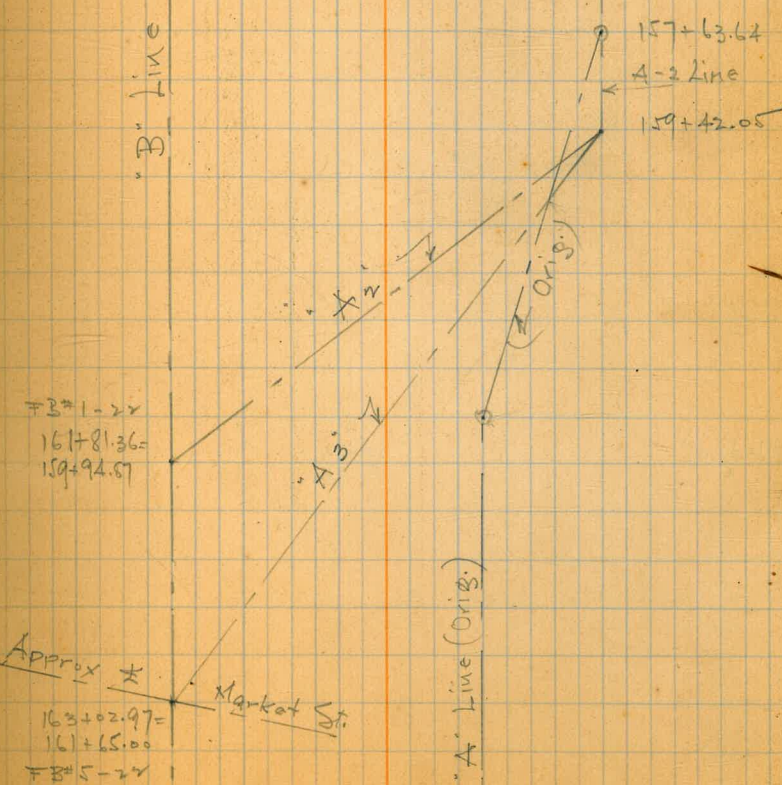
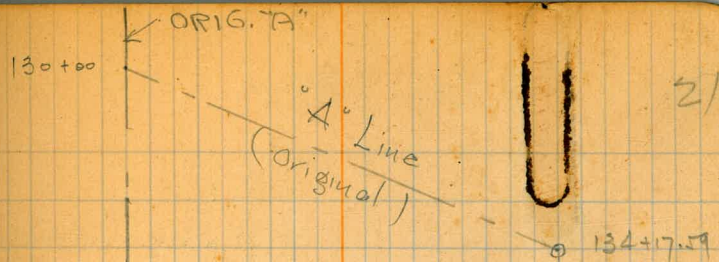
38.0  
7.9  
8

33.1  
12.5  
30

.60  
8.31



21



#3 = 1 - 22  
 161 + 81.36 =  
 159 + 92.61

Approx \*  
 163 + 02.97 =  
 161 + 65.00  
 #5 = 22



Sta.	Dist.	Def. Angle	
		Lt.	Rt.

B Line

161+65.00

163+02.97

A3 Line

29°47'

59°34'

161+64.85

P.O.T.

159+42.05

29°48'

59°35'

A3 Line

22

4/1/26

Coote

Losey

Heathcote

X-Secs on Pg.  
23, this book



X-Secs A3 Line

Blu # 17

1.24

h.l.

14876

147.54 On Curb Lt. Sta. 149

159+42.05  
On Split

160

+50

+66

161

+50

162

190

140.70

9.98

138.80

144.1	43.6	43.8	44.2	43.4	42.4	44.2	46.5
$\frac{467}{39}$	$\frac{515}{19}$	$\frac{50}{18}$	$\frac{46}{17}$	$\frac{50}{15}$	$\frac{50}{15}$	$\frac{46}{30}$	$\frac{23}{50}$
Walk	Curb						

140.1	39.0	36.4	38.5	38.2	39.0	39.0	38.6	38.4	44.3	42.0
$\frac{87}{30}$	$\frac{98}{20}$	$\frac{120}{16}$	$\frac{103}{17}$	$\frac{106}{6}$	$\frac{108}{15}$	$\frac{98}{15}$	$\frac{102}{18}$	$\frac{100}{23}$	$\frac{85}{23}$	$\frac{68}{30}$

133.7	130.4	32.2	33.0	32.4	33.1	32.9	32.1	40.2	45.0	45.5
$\frac{157}{46}$	$\frac{160}{37}$	$\frac{166}{37}$	$\frac{158}{24}$	$\frac{164}{18}$	$\frac{157}{9}$	$\frac{159}{9}$	$\frac{157}{1}$	$\frac{86}{10}$	$\frac{38}{30}$	$\frac{33}{40}$

130.4	29.6	30.5	31.2	30.5	31.4	37.4	41.5	45.1
$\frac{184}{50}$	$\frac{190}{45}$	$\frac{183}{44}$	$\frac{176}{17}$	$\frac{183}{11}$	$\frac{174}{9}$	$\frac{110}{15}$	$\frac{75}{15}$	$\frac{37}{30}$

126.5	27.9	28.8	34.7	34.4	41.5	43.6
$\frac{141}{69}$	$\frac{128}{42}$	$\frac{119}{22}$	$\frac{60}{16}$	$\frac{13}{13}$	$\frac{108}{15}$	$\frac{29}{30}$

22.1	22.7	24.4	33.8	38.7	37.5	40.2	41.4
$\frac{186}{70}$	$\frac{180}{60}$	$\frac{113}{53}$	$\frac{69}{30}$	$\frac{48}{15}$	$\frac{32}{15}$	$\frac{05}{15}$	$\frac{107}{30}$

21.1	23.4	26.5	28.6	30.7	30.4	30.6
$\frac{196}{69}$	$\frac{173}{54}$	$\frac{162}{31}$	$\frac{21}{15}$	$\frac{100}{15}$	$\frac{99}{15}$	$\frac{101}{30}$



162+50      0.06      128.82      11.94      128.76

167+65.00  
163+02.97  
On split

Equation —

11.87      140.63      0.06      128.76

10.24      149.03      1.82      138.79

Bk#17      1.51      147.54

$\frac{112.8}{60}$      $\frac{14.1}{45}$      $\frac{15.4}{30}$      $\frac{17.5}{15}$      $\frac{17.2}{15}$      $\frac{17.4}{15}$      $\frac{17.2}{30}$   
 $\frac{160}{60}$      $\frac{147}{45}$      $\frac{131}{30}$      $\frac{113}{15}$      $\frac{116}{15}$      $\frac{114}{15}$      $\frac{116}{30}$

$\frac{108.6}{45}$      $\frac{06.3}{30}$      $\frac{07.2}{15}$      $\frac{06.0}{15}$      $\frac{04.9}{15}$      $\frac{04.3}{30}$   
 $\frac{202}{45}$      $\frac{20.5}{30}$      $\frac{21.6}{15}$      $\frac{27.8}{15}$      $\frac{23.9}{15}$      $\frac{24.5}{30}$

99 Sta 161°3' line

See Pg. 23



25



26



27



28



29





30



31



37



33



34



35



29-49 R  
59-34

100.00  
- 1.24  
98.76  
- 9.98  
88.78  
+ 1.90  
90.68  
- 11.92  
78.76  
+ 0.06  
78.82  
- .06  
78.76  
+ 11.87  
90.63  
- 1.84  
88.79  
+ 10.20  
98.99