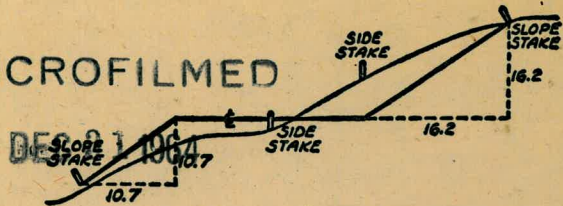


2092

PARADISE HILLS
SEWERS

INDEX

MICROFILMED



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

INDEXED
Completely
to page 79

Sewer Prelim.

Paradise Hills

4-18-50 Allegheny Fly to Westport

Moore

Begg

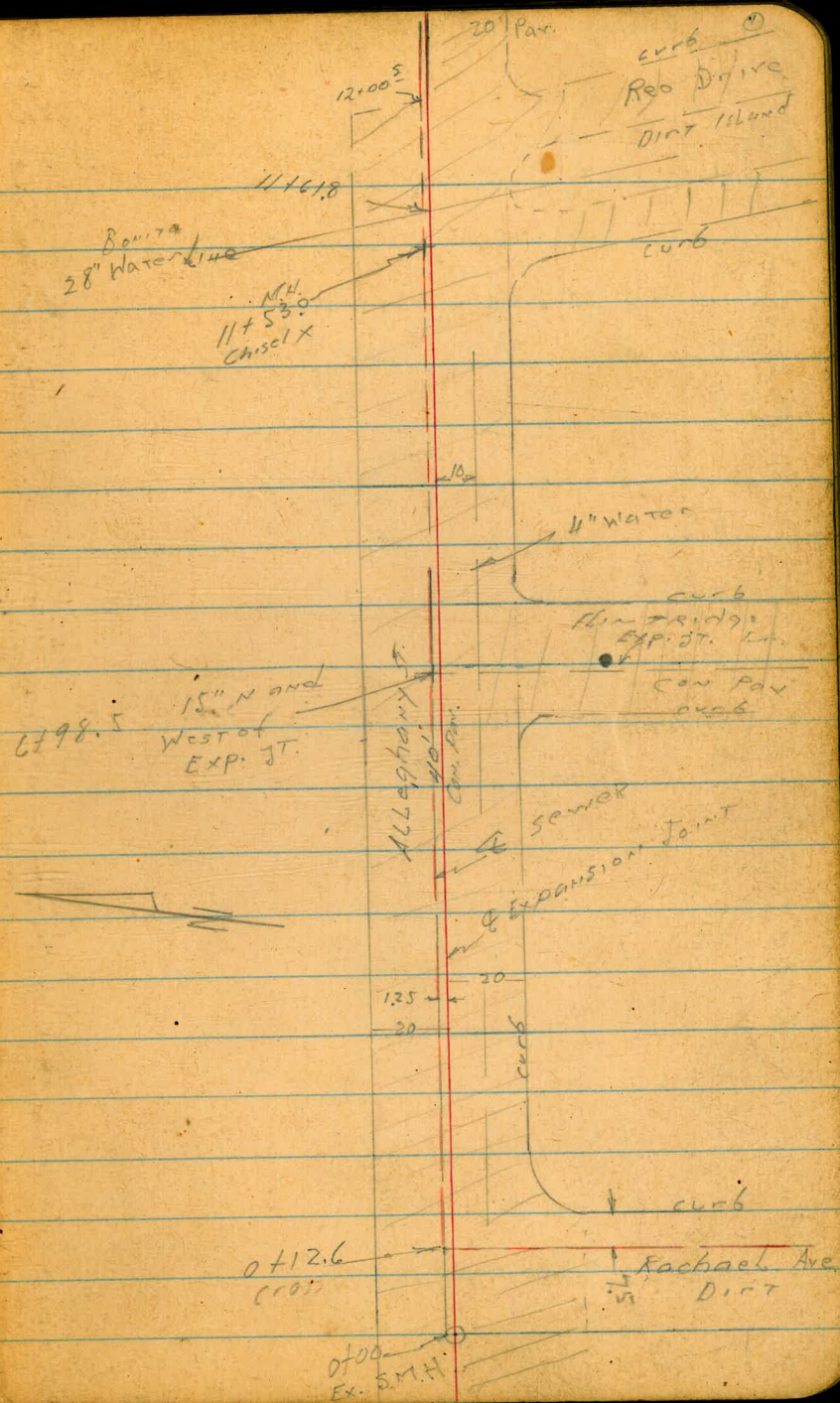
Carriford

W.O.

(Levels P-23)

INDEXED

W.K.
JUL 5 1950



26+50.70 E Sea Breeze (2)

21+20.4

curb
WESTPORT ST

2x2 Hub
15+13.9

16+22.5

15+77.6

curb
Rancho de
Santos
Jamaica

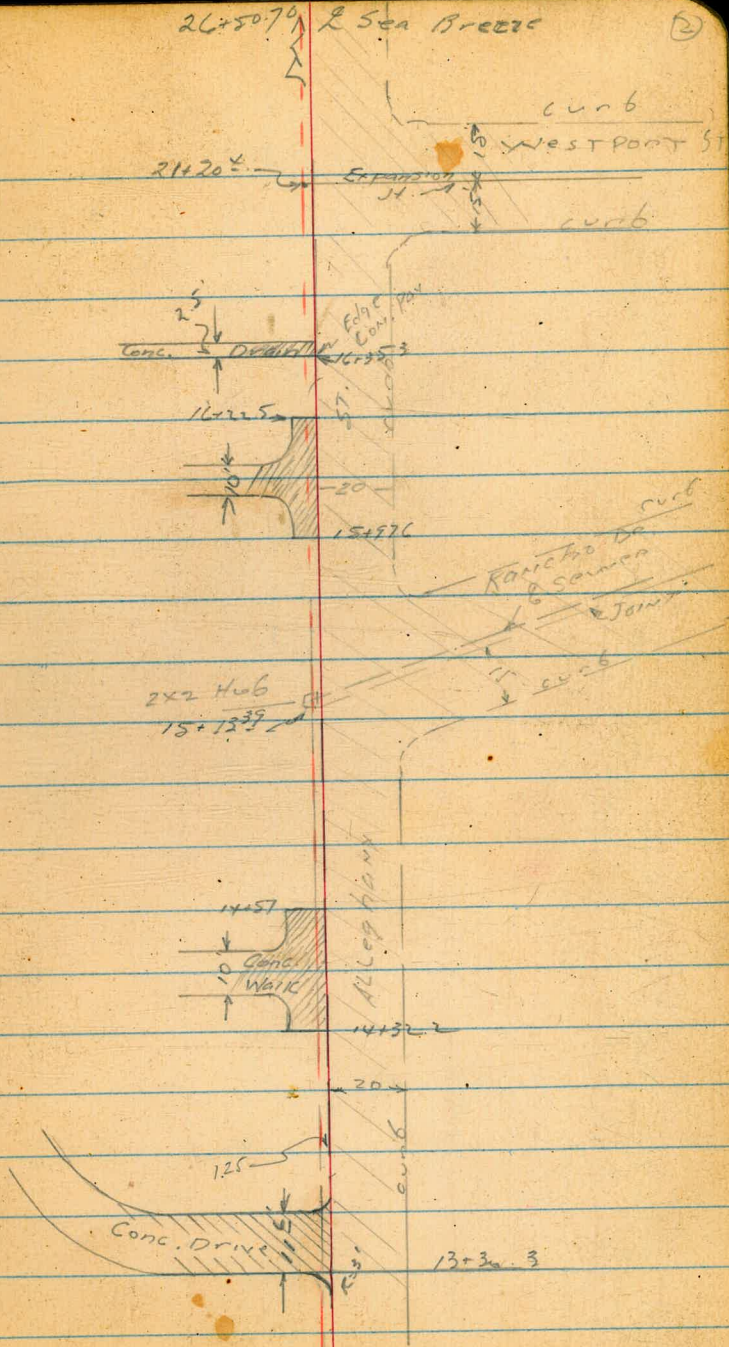
14+57

14+32.2

125

Conc. Drive

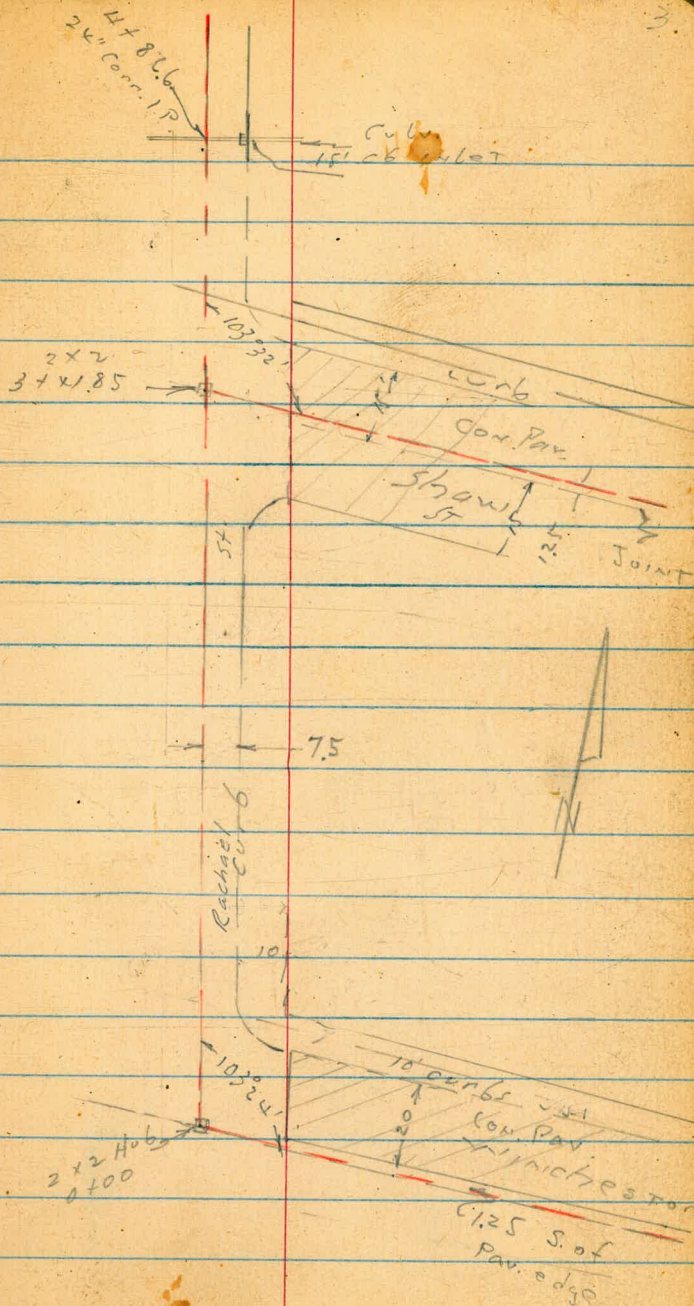
13+30.3



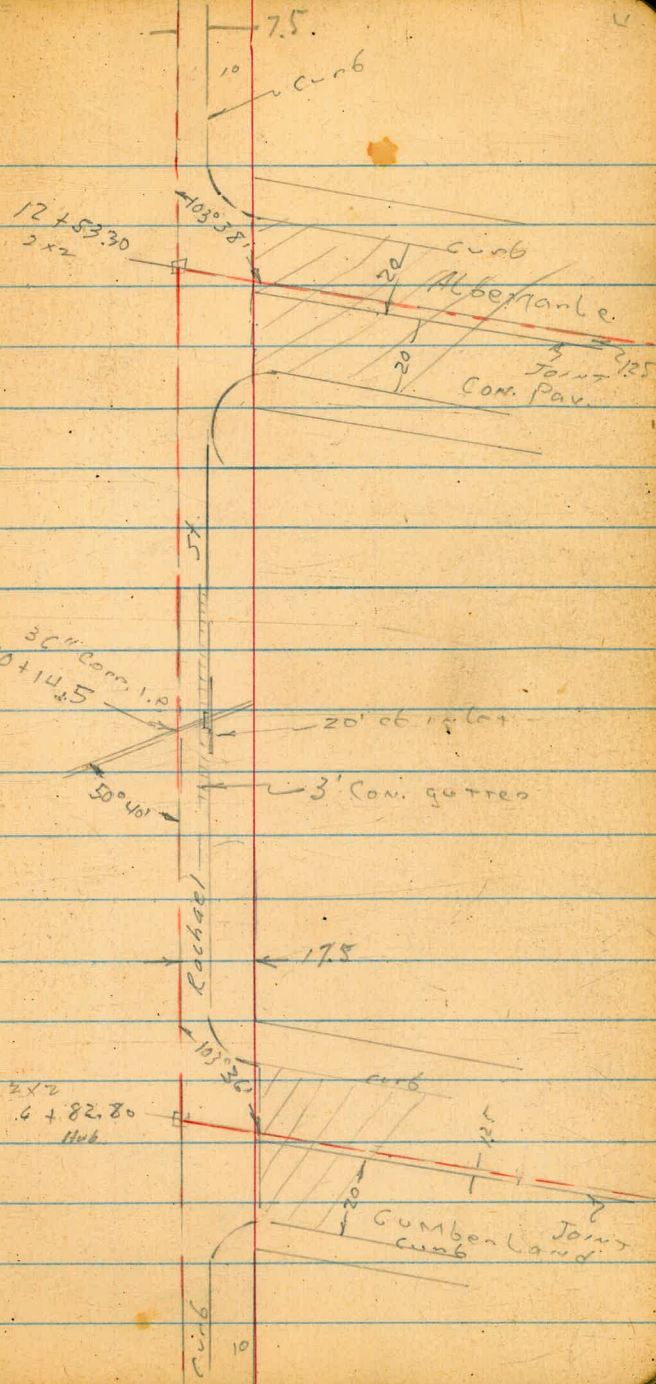
Rachael, Sewer
Winchester to Alleghany

50T 2x2 Hubs

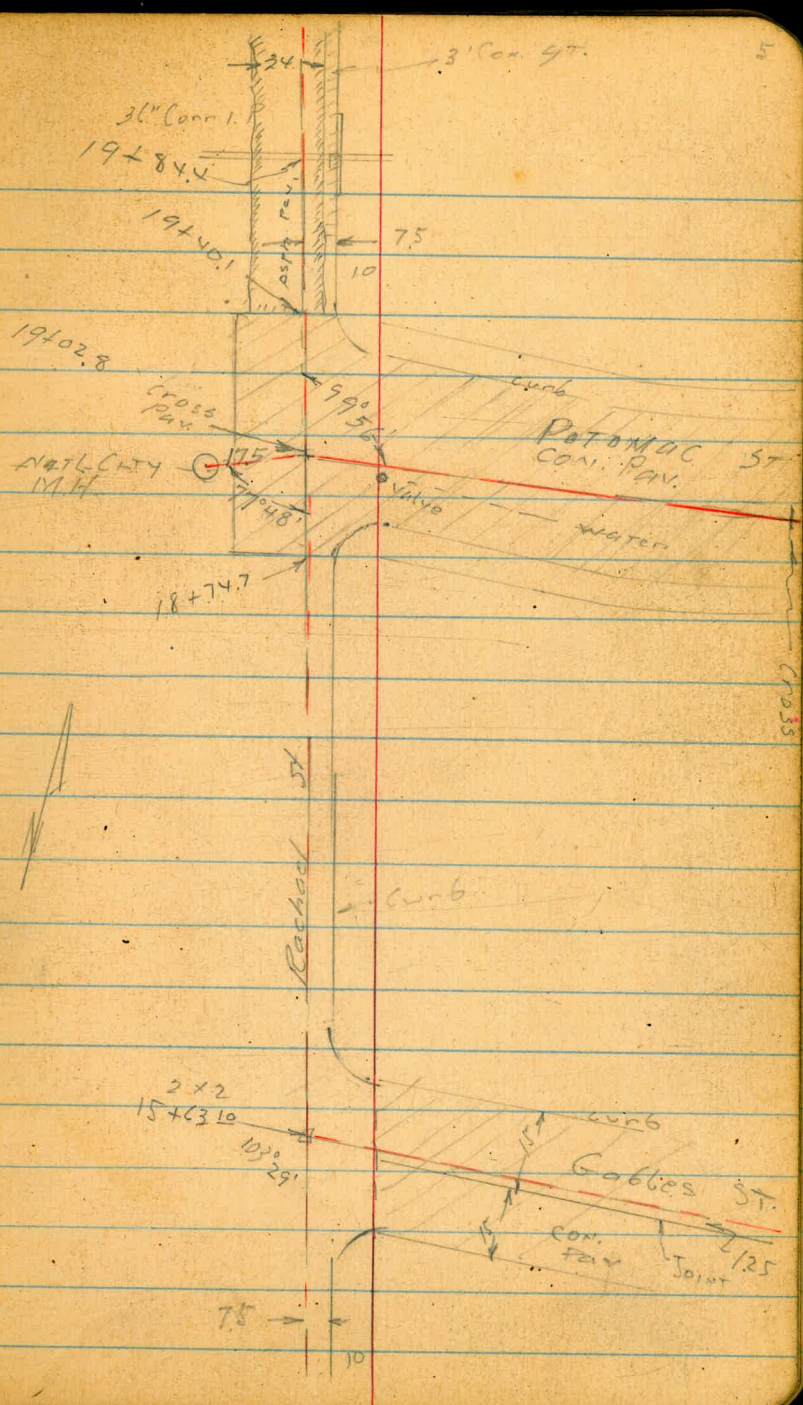
179 60
103 26
76 26



Rachael Series

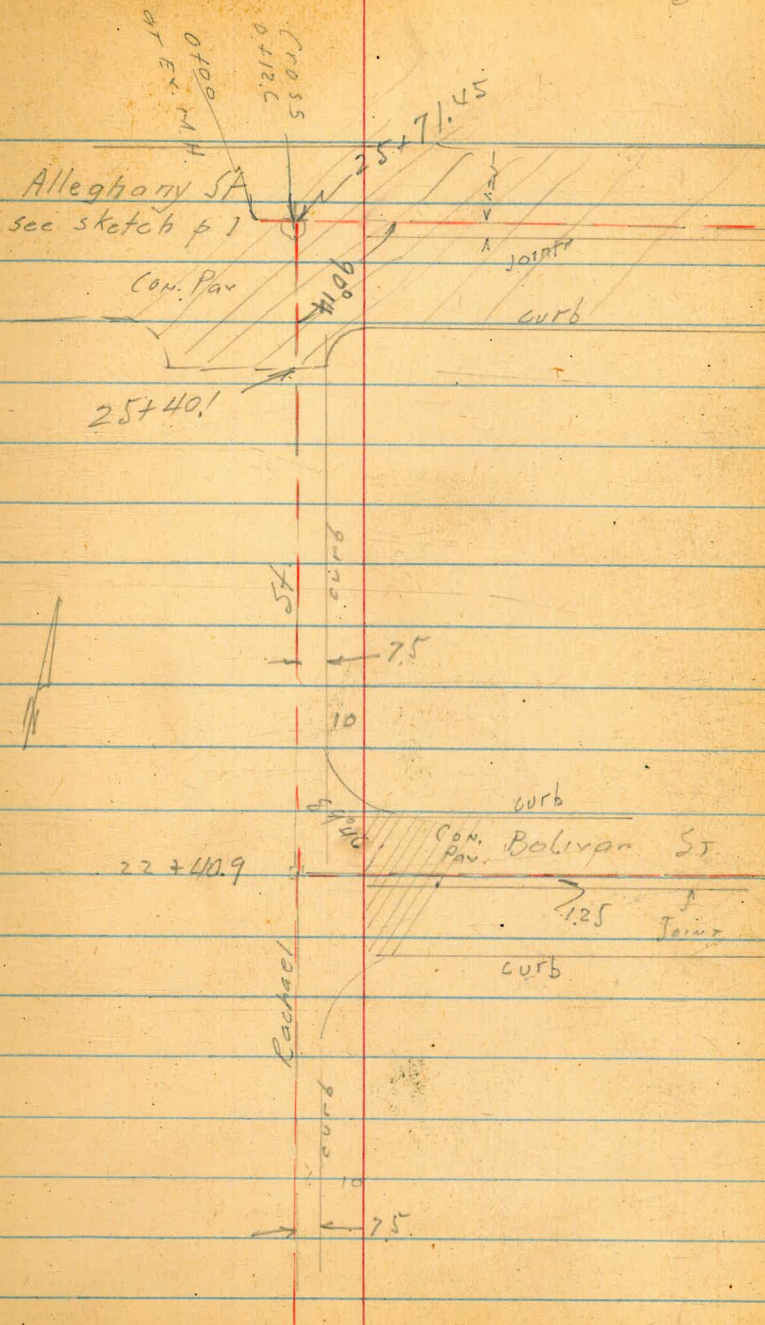


Rachael
Jewen



Ruchael

6



Sewer Levels Rachel Winchester

to Alleghany see p 3 Map

4.01 149.34 3.06 145.33

2+50

2+00

1+80

1+30

1+00

0+50

0+00

MH

1.35

148.39

147.04

to W \$ R₂ 7

149.34

144.0

4.4

142.3

6.1

141.5
6.9

140.9

7.5

141.6

6.8

cb
7.9

144.1

4.3

147.2

1.2

75 R cb

148.39

Rachel x Winchester NEBP 1692/30

139.7
8.7
77 floor

141.7
8.7
50 floor H

gas
1.3

gas
1.9

gas
3.5

8.69 156.46 1.57 147.77

6 + 00

5 + 88

5 + 50

5 + 00

4 + 86.6

corr 1107 R4

4 + 50

4 + 00

3 + 41.25

MH

3 + 30

3 + 00

149.34

lt

R

2

156.46

149.3

2.0

144.84

4.5

6.0

143.3

143.74

5.60

8.3

140.4

8.9

20.1

flow

143.2

6.1

5.65

cb

146.88

12.46

26 flow

5.5

143.8

145.1

4.0

146.29

3.05

8.1

cb

no gal

3.0

146.3

137.7

11.6

90 floor

145.6

3.7

gal

1.4

149.34

25 | 25.50
25 | 25.50
140

Rachael St Cont'd

8+50

8+10 North side House on Lt. (NE Cor. 6011)

8+00

7+41 North side House on Lt. (NE Cor. 6244)

7+00

8m 0.73

153.04

4:14

152.32

152.31 Walker SEBP Rachael & Cumberland

6+82.80

6+62

156.46

Σ

7

143.5

Σ

141.9

11-
60
Floor

147.2

Σ

146.0

7-
62
(Floor)

151.1

1- 151.9

153.04

151.9

46

149.6

6.9
floor 63 left

156 46

Rachael St. Contd.

B.M. 12.85 163.33 2.56 150.48 150.48

12+53.20 (Int. Albemarle Line from East)

12+00

11+50

11+00

10+50

10+14.5 Int 36" C.M.P. (on Diagonal)

10+00

9+50

9+00

153.04

2

SEOP. Rachael & Albemarle

141.6

148.4

140.6

145.0

141.9 140.9 139.2
11 12 13 14
25 48 61

140.2

133.89 139.6 138.99 140.04 135.39
19.5 12.4 14.05 13.00 17.65
29.9 11.1 11 19.6
FL Grate C& F.L.

139.7

140.2

139.7 139.5 141.3
13.2 12.5 11.7
100 50

153.04

Rachael St. Cont'd

17+00

16+50

16+00

15+63.9 (Int. of Gables St. line from East)

15+00

14+50

T.P.

1001 $\frac{171.61}{\uparrow}$

1.73

161.60

14+00

13+50

13+00 (Higher on both sides)

$\frac{163.33}{\uparrow}$

E

11

166.3
~~53~~

~~166.9~~

~~167.2~~

~~167.3~~

~~166.9~~

165.0

171.61
~~161.7~~

52 157.4

9E 153.8

$\frac{163.33}{\uparrow}$

Rachael St Cont'd

20+00

19+84.4 \$ 36" C.M.P.

19+40.1 Edge Conc Pav. Beg. Asph Pav.

13.17. 6.48 168.12 996 161.65 161.64

M.H. 17.5' Lt. on Diag. (see sketch)

19+02.8 Int. Potomac line from East.

18+74.7 Beg. Conc Pav. Potomac St.

18+00

17+50

171.61
1

154.72
134
149.52
186
45

154.91 154.25
132 1387 1220 2017
7.5± 7.5± 20.5
Grate cb FL.

159.3
882

SEBP Rachael & Potomac

146.89 161.19
2473 1042 1050
17.5 17.5
FL Rim

161.05
995 161.66

164.2

165.6

171.61

Rachael St. Cont'd.

24+00

23+50

23+00

22+40.9 (Int. Bolivar Line from East.)

22+00

TP 1284 180.49 047 167.65

21+50

21+00

20+50

168.12

↑

2

45 175.9

5? 174.6

7° 173.5

85 171.93

906 171.43
Hub.

10 170.2

180 167.0

162.4

157.8

10 3

168.12

↑

Rachael St Contd.

£

14

020 180.29 (80.25) SEBP Rachael & Alleghany

25771.45 (Int. Alleghany Line)

0.85 179.6

25740.1 Edge Conc. Pay. Alleghany St.

1.4 179.4

25700

1.9 178.6

24750

3.3 177.3

180.49

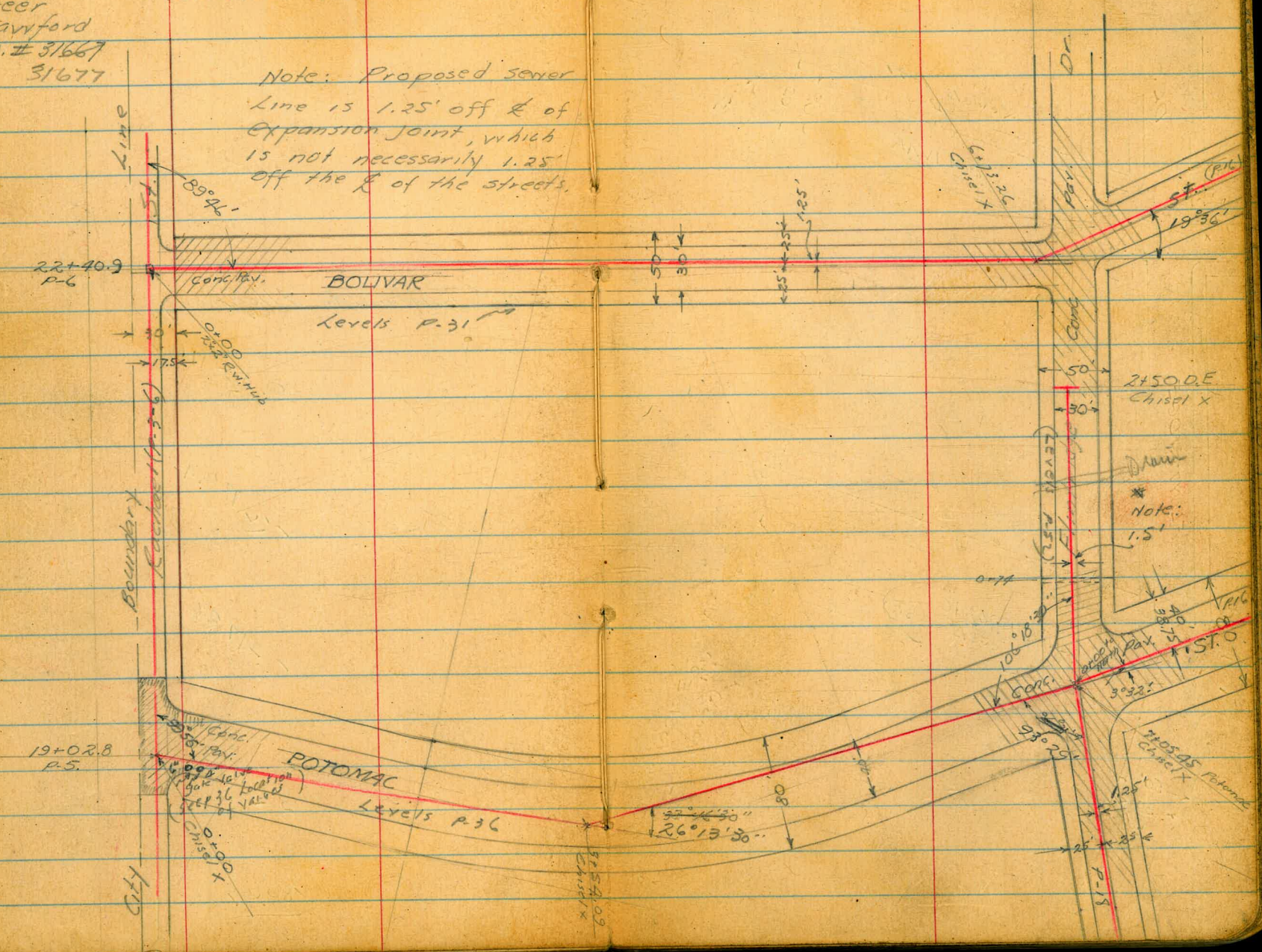
↑

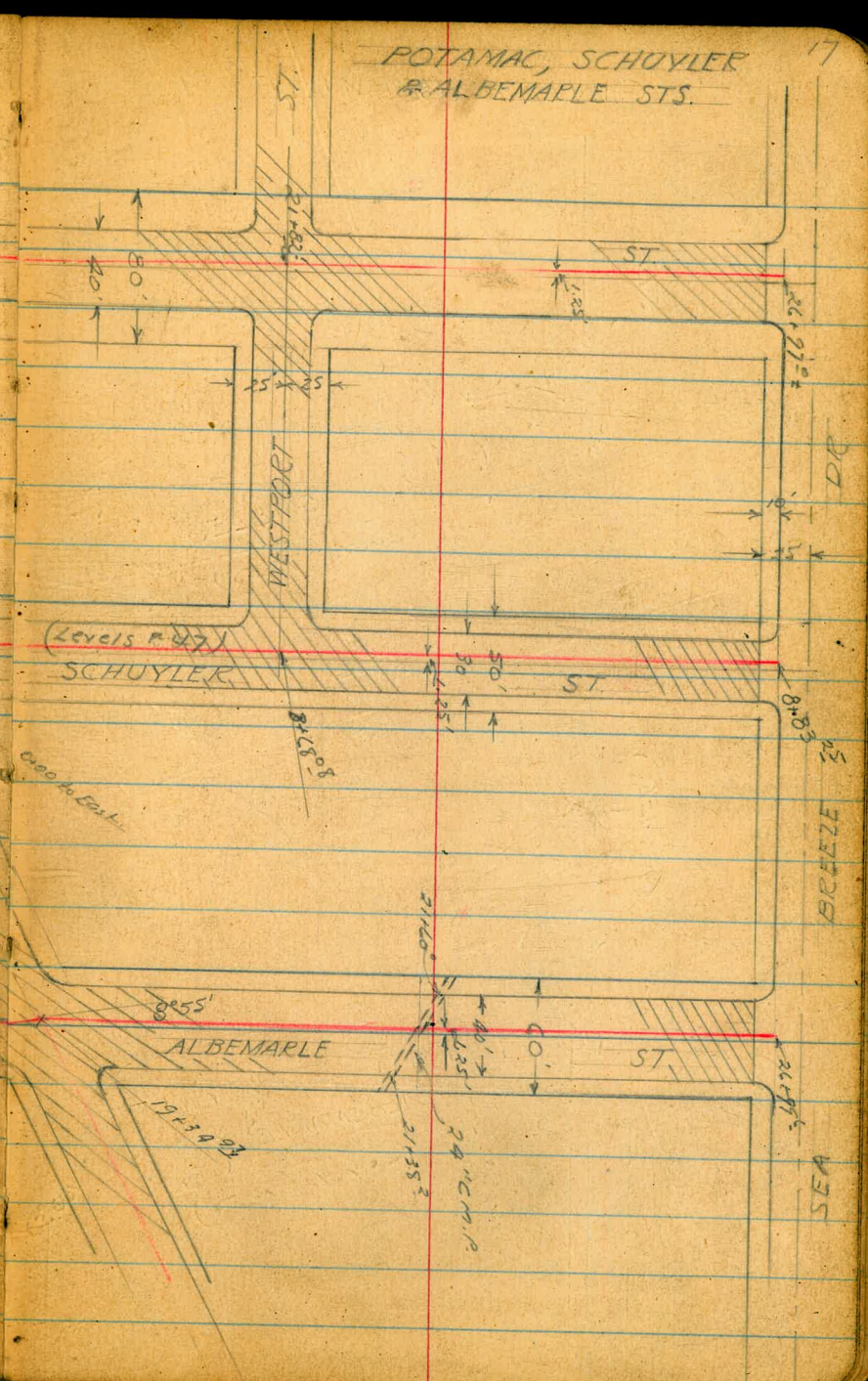
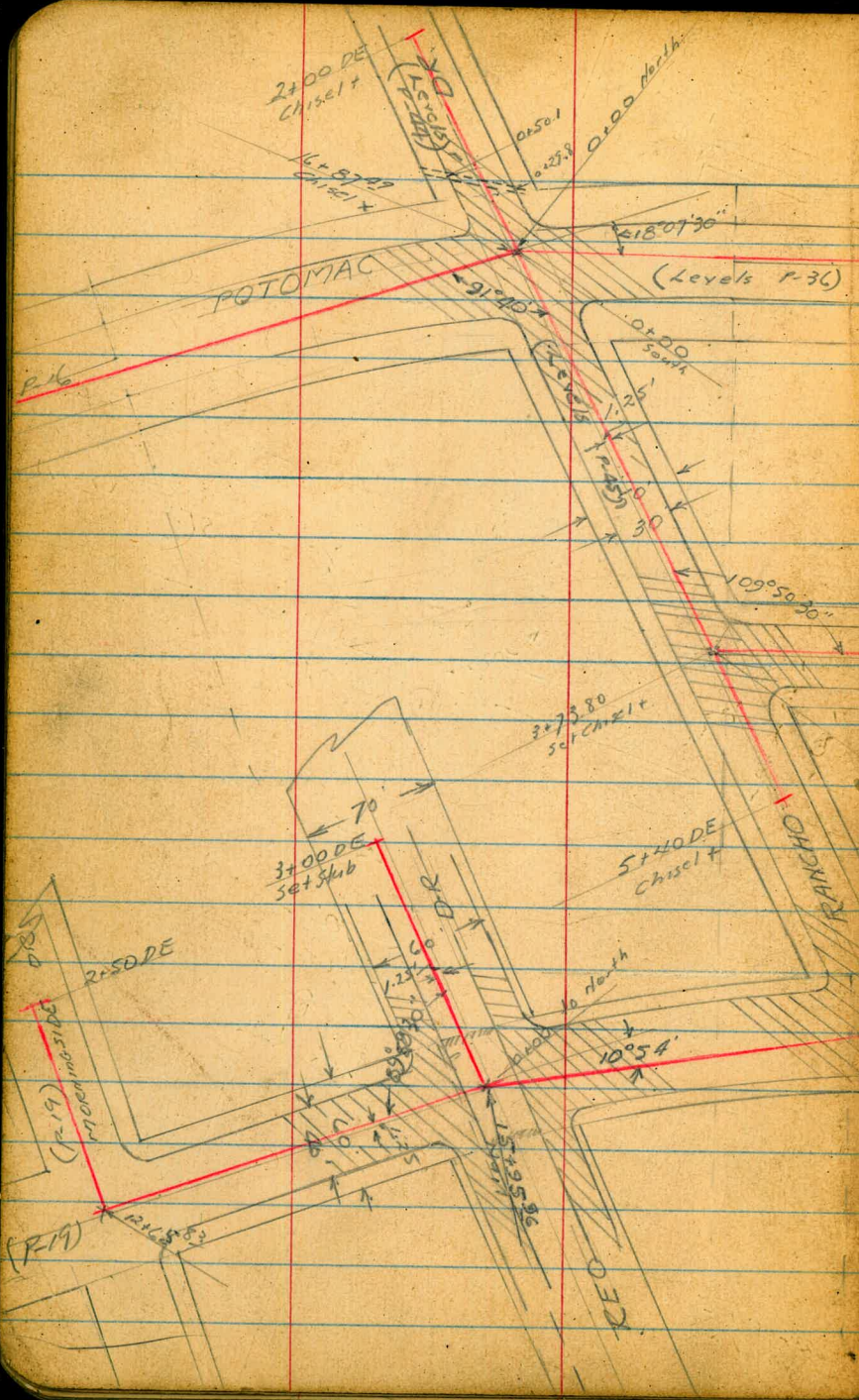
180.49

May 1950
Hendricks
McCoy
Greer
Crawford
W.O. # 31667
31677

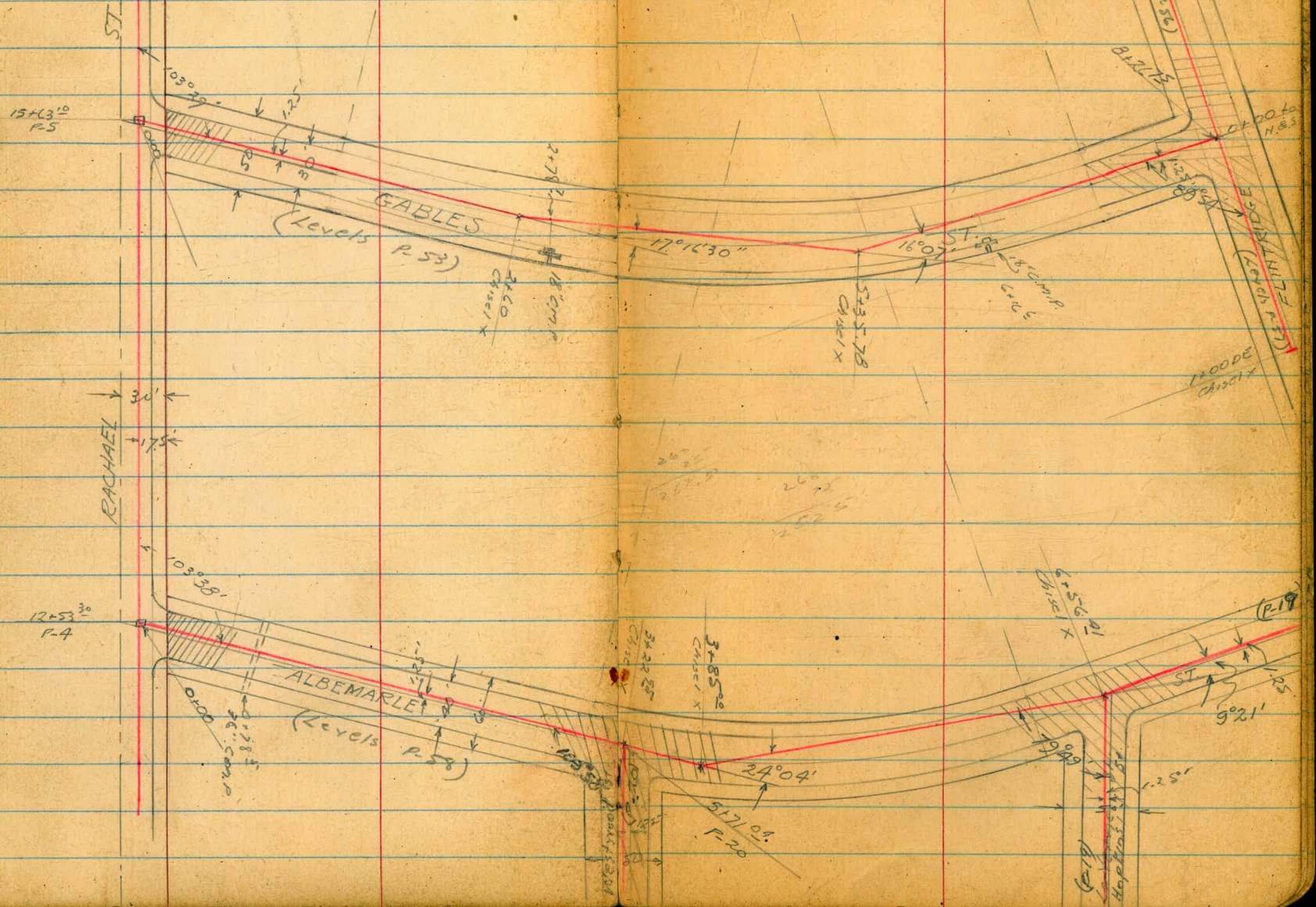
PROPOSED SEWER BOLIVAR & POTOMAC

Note: Proposed sewer
Line is 1.25' off & of
Expansion joint, which
is not necessarily 1.25'
off the & of the streets.





GABLES & ALBEMARLE STS.



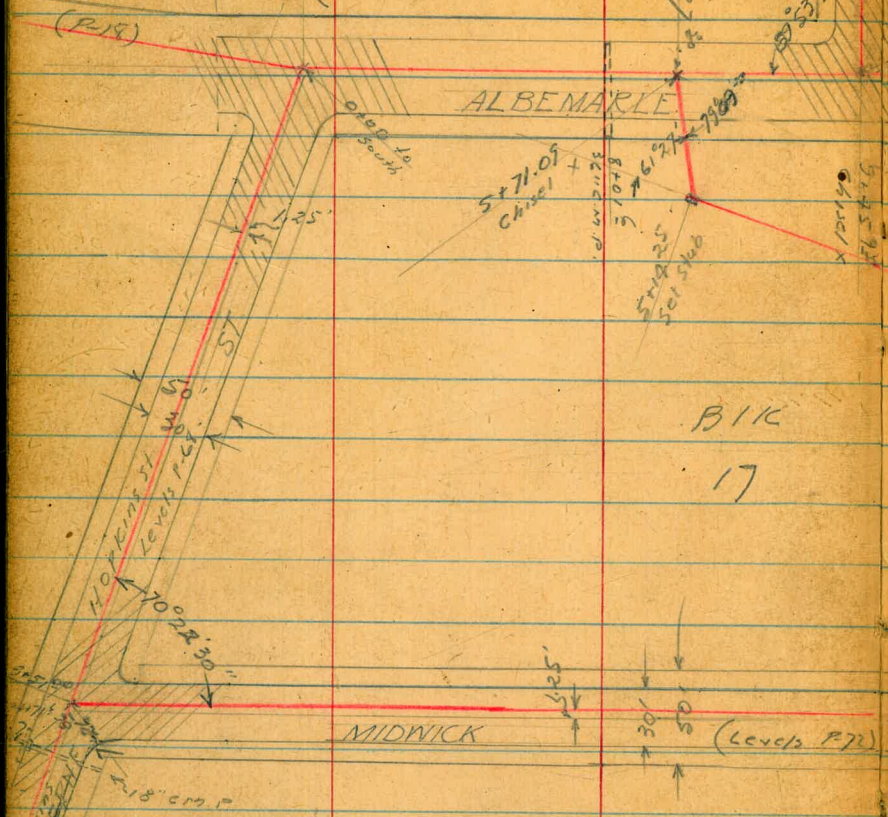
ALBEMARLE, MIDWICK
& MORNINGSIDE

2700 VE
Chisel +

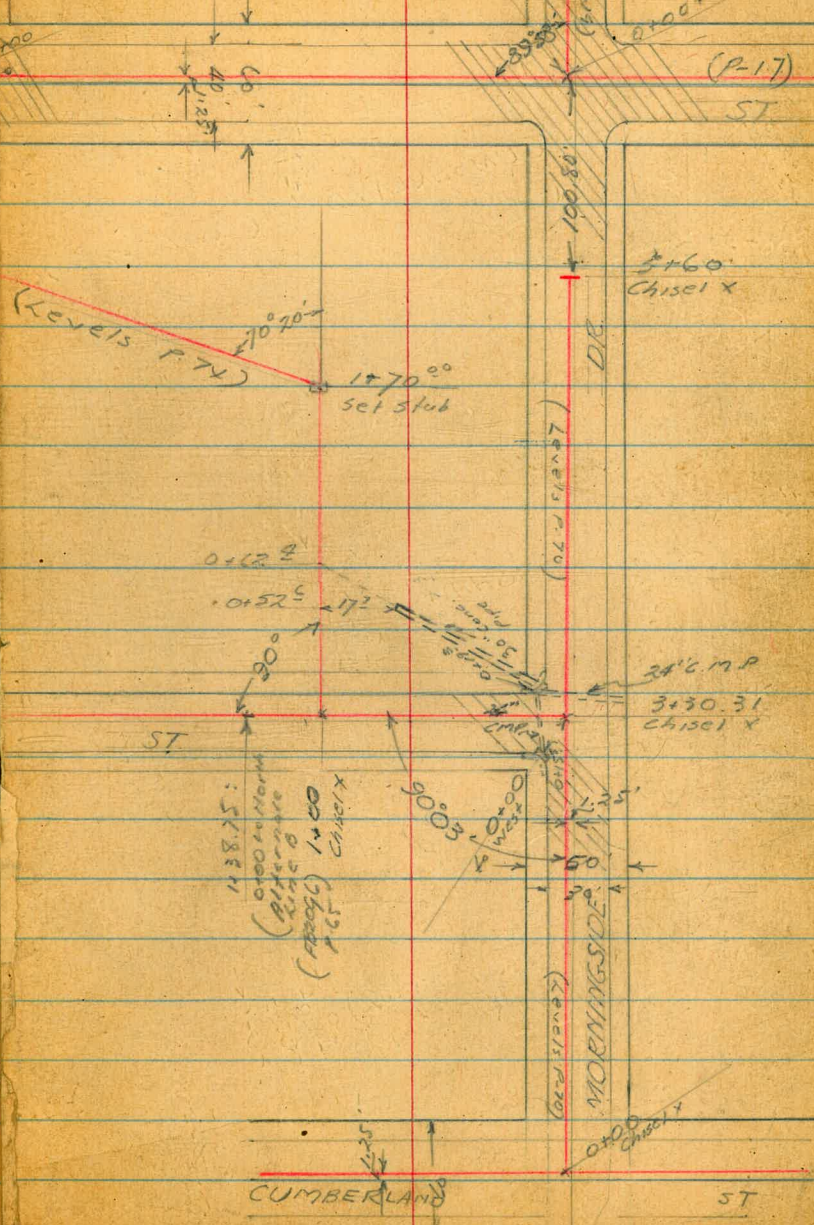
FIELD
P.17

2750
Chisel X

ST
P.17



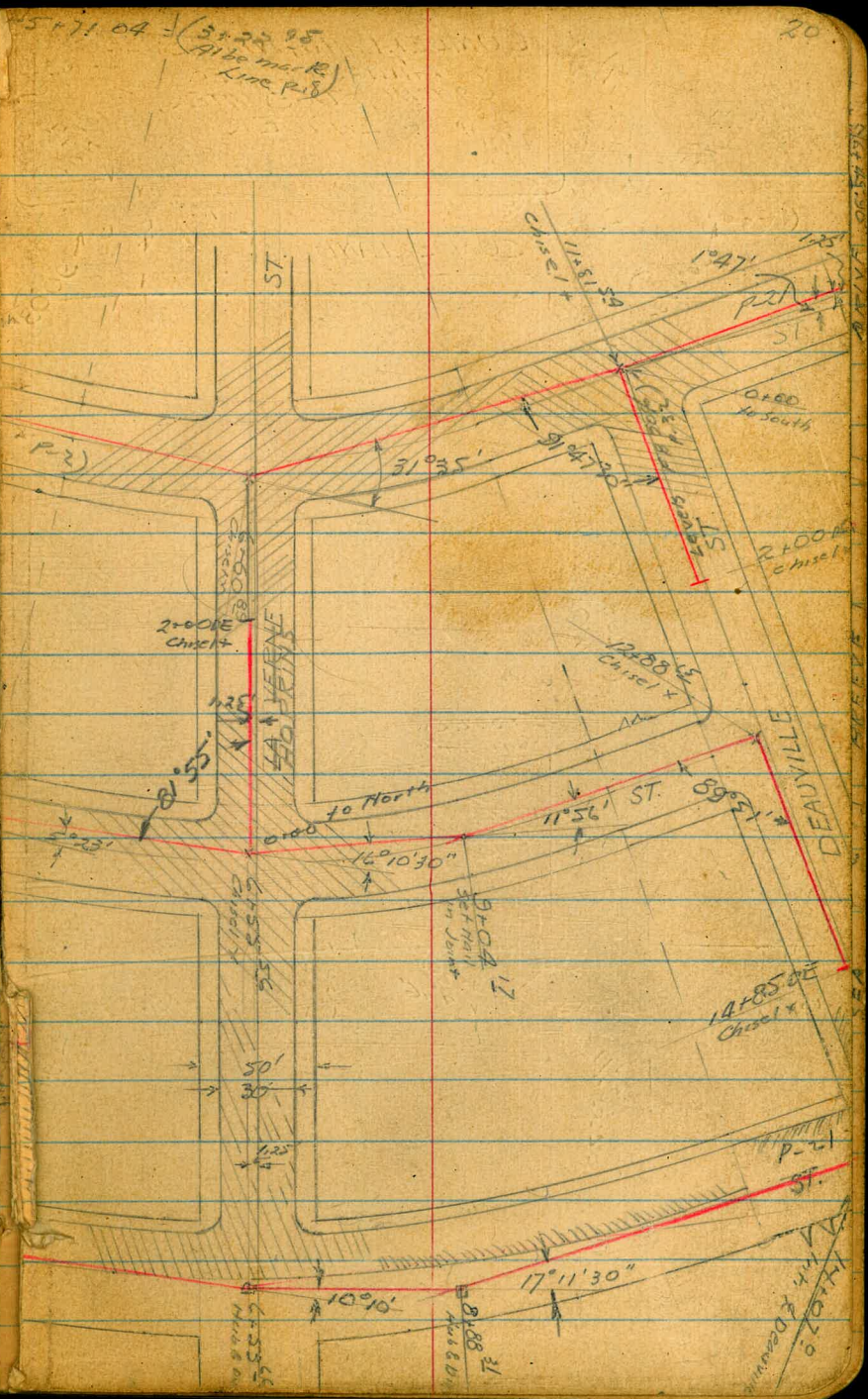
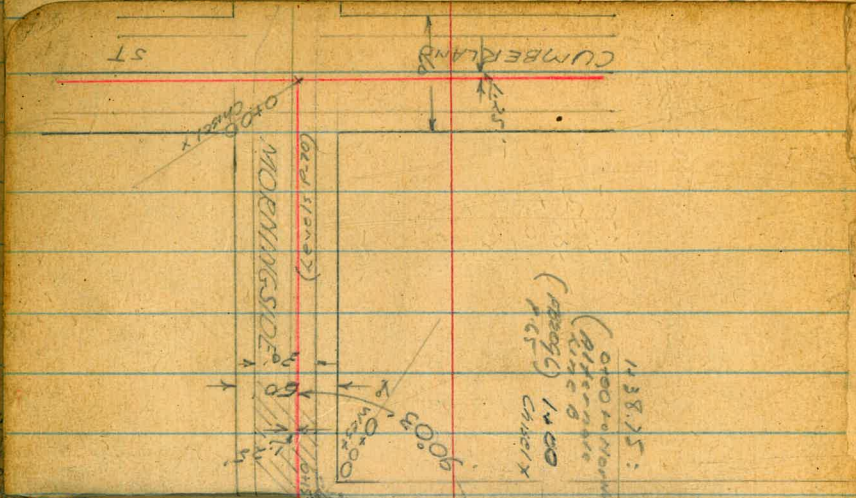
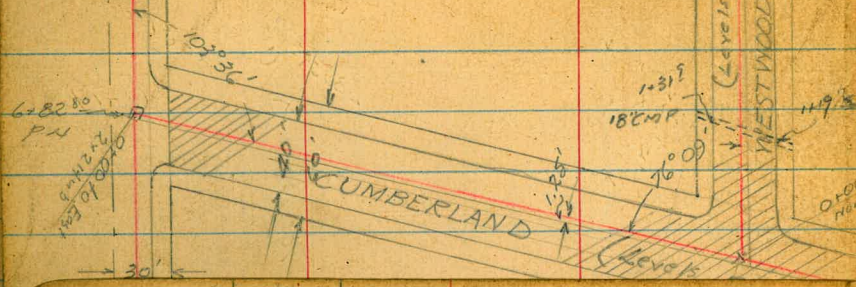
B1K
17



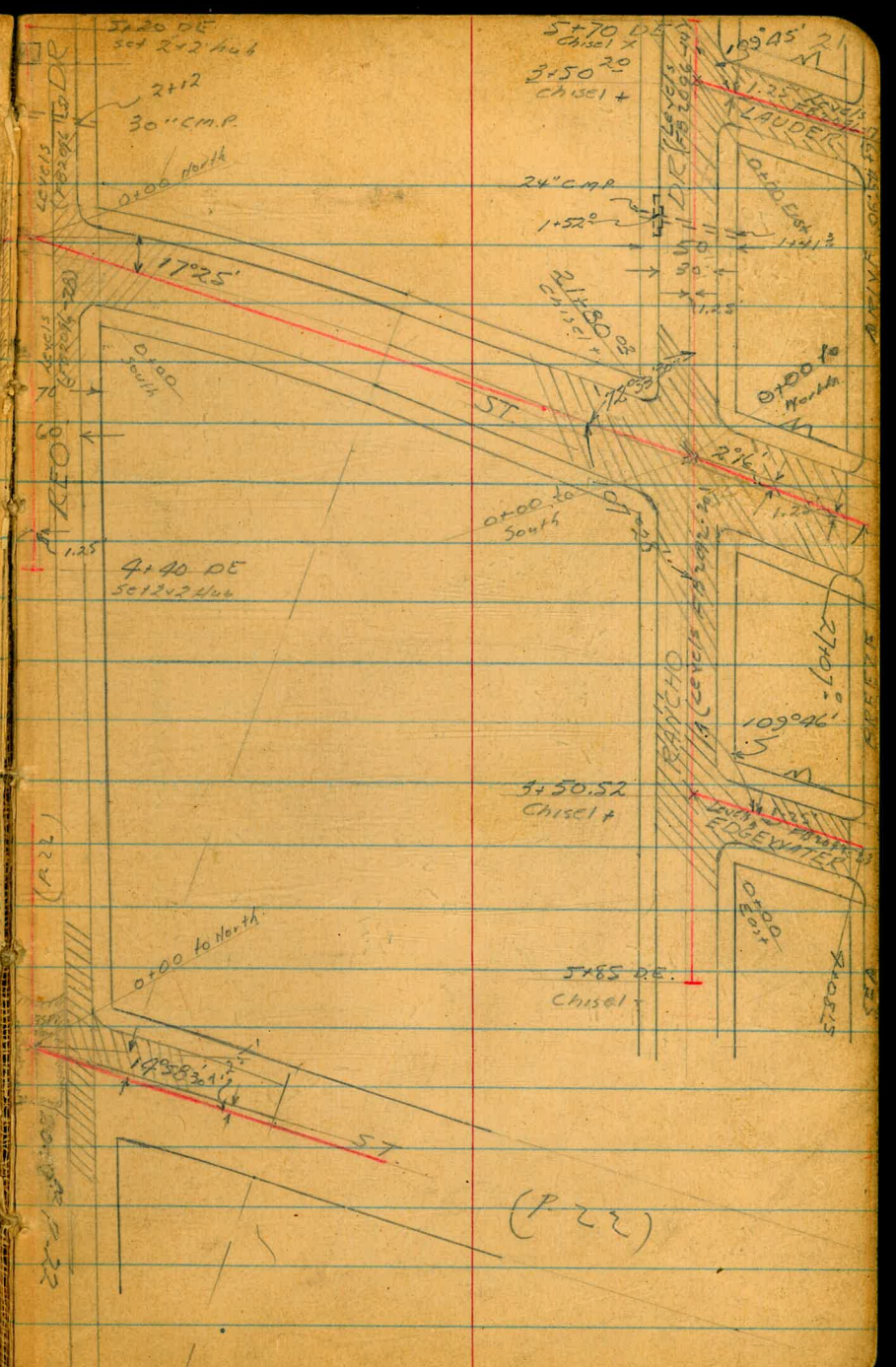
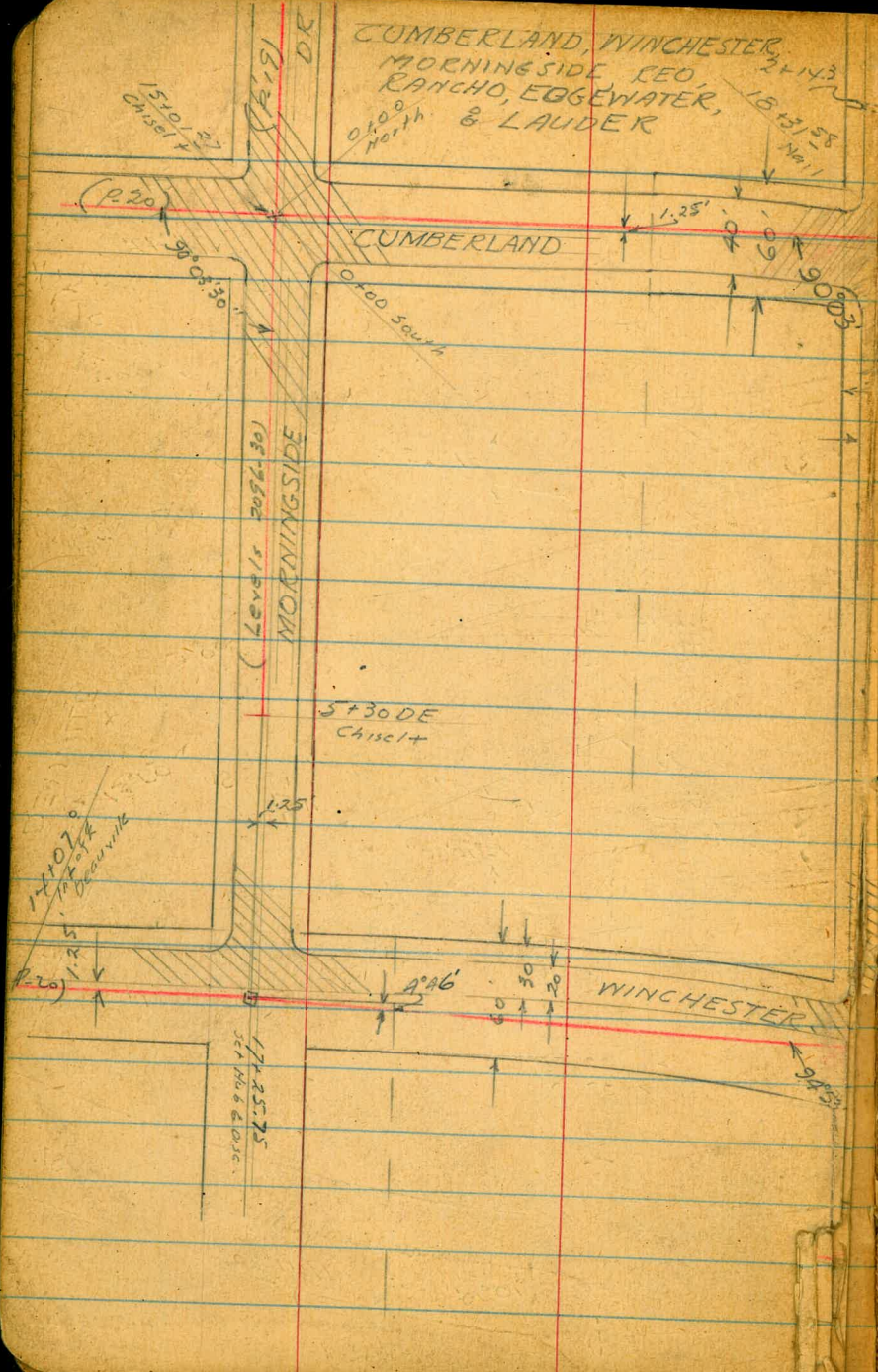
CUMBERLAND

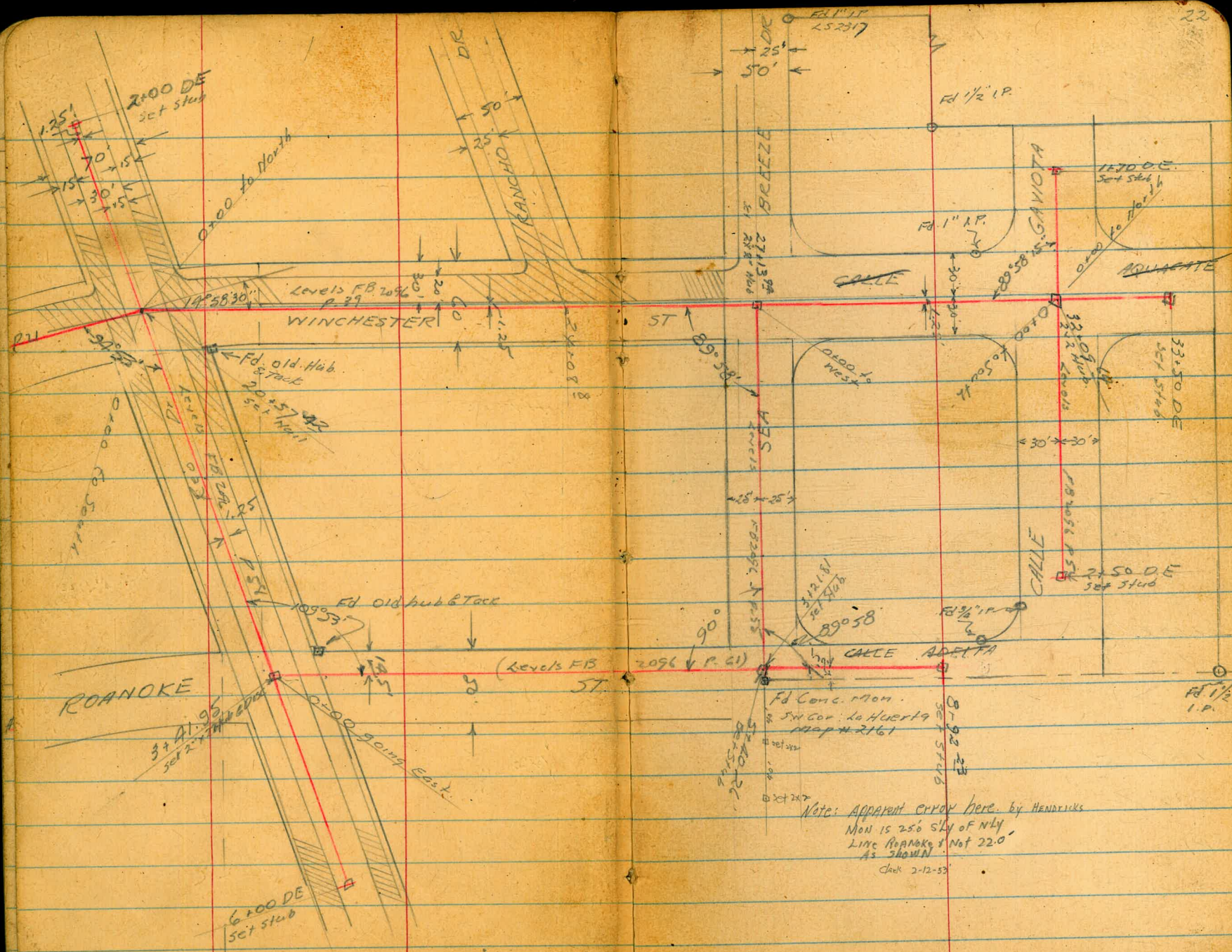
ST

CUMBERLAND, SHAW,
WINCHESTER & DEANVILLE



571.04 = (5422.98
7116 m. R.
Line R. B.)





Note: Apparent error here by HENDRICKS
 Mon is 28° S'ly of Nly
 Line Roanoke is Not 22.0
 As shown.
 date 2-12-53

6-150
Hendricks
Johnson
Greer
Cranford
WO#31667

Levels Proposed Sewer
Alleghany St
Rachael to Sea Breeze
(Sketch P.1-2)

1450

182.73
825

1400

181.50
949

0+50

180.34
1065

0+12.6 (Under Rachael St Line from South)

179.59
1140

0+00 Ex M.H.

170.68
20³¹ 11⁵⁵
F.L. Rim
190.99

BM. 10.74 190.99
7

180.25 S.E.P. Alleghany & Rachael

Alleghany St. Cont'd.

€

6+00

5+50

5+00

T.P. 13.34 204.00 0.33 190.66

4+50

4+00

3+50

3+00

2+50

2+00

190.99
↑

10⁴⁵ 193.55

11⁵² 192.38

12²⁷ 191.21

204.00
13 189.86

188.83
2¹⁵

187.60
3³⁹

186.29
4²⁰

185.11
5⁸⁸

183.91
7⁰⁸

190.99
↑

10+50

TR

13.12 216.85

0.27 203.73

10+00

9+50

9+00

8+50

8+00

7+50

6+98.5

1.25 West of E. Flint ridge

6+50

204.00

R

12.00 204.85

216.85

0.65 203.35

2.00 202

3.29 200.71

4.53 199.47

5.85 198.15

7.09 196.91

8.5 195.85

9.25 194.75

204.00

Alleghany St. Cont'd.

14+00

13+50

13+41.9 End Conc Drive

13+30.3 Beg Conc Drive

13+00

TP. 12.26 228.94 0.17 216.68

12+50

(Shots ahead of here are on paving
1.25 Rt. of Proposed line)

12+00^E (West Edge conc Pav. on North 1/2)

11+53 MH on Reo

BM

9.89 206.96 206.96

S.M.B. Alleghany & Reo

11+00

216.85

569 223.25

755 221.39

784 221.10

855 220.39

10.74
228.94
7

308 213.77

785 209.00

852 207.93

10.41 206.44

Alleghany St. Contd.

16+36.6 & 25 Conc Drain

220.87
8.06

16+22.5 End Conc Walk

221.27
7.65

15+97.6 Reg Conc Walk

222.04
6.89

15+84 House on Rt.

222.40
6.53
10.50
96
& Gar. Fl.

BM 5.83 228.93 5.83 223.10 223.10

SEBP Rancho Dr
& Alleghany

228.93

15+50

213.35
5.59

(Outs Parallel to Rancho)

15+13.39 Hub 1.25 East of & Rancho Dr

223.99
4.95
223.01
5.93
12.09
216.85
33
100

15+00

224.10
4.84

14+57 End Conc Walk

224.26
4.68

14+32.2 Reg Conc Walk

224.03
4.91

228.94

228.94

Allegheny St. Contd.

19+00

18+45 & Garage on Rt.

18+00

17+86 & Garage on Rt.

17+50

17+24 & Garage on Rt.

17+00

16+65 & Garage on Rt.

16+50

228.92

↑

219.58
9.35

10.47 218.46 215.95
217.87 60
11.06 Floor

7.20 217.73 215.24
217.75 61
11.8 Floor

218.15 216.39
10.78 12.54
218.74 66
10.8 Floor

9.5 219.78 217.73
220.27 11.20
8.6 60
Floor

228.92

↑

Alleghany St Cont'd.

231.00

TP. 12.92 \downarrow 258.79 0.24 245.87

221.50

221.00

TP. 12.58 \downarrow 246.11 0.36 233.53

211.50

211.20 \downarrow & West Port

211.00

201.50

201.00

TP. 13.08 \downarrow 233.87 8.12 220.81

191.50

228.93

29

88.3 \downarrow 249.96

88.3

258.79

260 \downarrow 243.51

92.4 \downarrow 236.87

246.11 \downarrow 117 14 $\frac{3}{4}$

233 \downarrow 230.50 63 77

5 \times 8 \downarrow 228.41

6 \times 8 \downarrow 227.41 $\frac{3}{4}$

9 \times 8 \downarrow 224.59

11 \times 8 \downarrow 222.12

11 \times 7 \downarrow 233.89

8 \times 6 \downarrow 220.67

228.93

228.93

228.93

228.93

Alleghany St. Contd.

B.M. 4.33 274.51 274.49 S.V.P.P. Sea Breeze Co Alleghany
26+26³ Edge Conc Paving W. Lint Sea Breeze

26+00

25+85 West side House on Rt.

25+50

TP. 7.80 278.84 0.10 271.04

25+00

24+50

24+00

TP. 12.67 271.14 0.32 258.47

23+50

23+32 West Edge Garage on Rt.

258.79

40- 274.83

488 273.96

525 273.58

648 272.36

8-2

50

12-6

100

27884

35- 269.79

489 266.25

50

915 261.99

271.44

250 256.29

471 259.08

258.79

7-26 251.53
73

12-9 265.9
5 1/2 Back of House
Basement Floor

6-1-50

Levels Proposed Sewer

Bolivar St

Rachael to Leo

(Sketch P.15-16)

2+50

2+00

1+50

1+25 E Garage on Rt.

1+00

0+50

0+16.8 Edge Conc Pav.

0+00

B-17

10.17

181.60

~~182.10~~

^

171.43

171.93

on Hub 22+40.9 Rachael St. Line (P.13)

$\begin{matrix} 177.10 \\ 450 \\ 175.99 \\ 561 \end{matrix}$
 $\begin{matrix} 176.4 \\ 52 \\ 50 \end{matrix}$
 $\begin{matrix} 164.3 \\ 173 \\ 100 \end{matrix}$

 8m ditch

584 174.76

174.27

733

170.15

1145

1737.4

104 Floor

726

172.74

886

172.16

944

171.43

1017

181.60

~~182.10~~

^

21

31

Bolivar St. Cont'd

BM. 692 $\frac{190.29}{7}$ 3.09 $\frac{191.45}{191.95}$ 191.37

SWBP Bolivar & Flintridge

6+50

191.67
287

6+00

190.54
400

5+50

188.66
588

5+00

186.44
810

4+50

184.11
1043

4+00

181.87
1267

T.P. 13.19 $\frac{194.54}{195.04}$ 0.25 $\frac{181.35}{181.85}$

194.54
195.04
180

3+50

179.80
180

3+16 Head of Wash

178.71 178.3 170.7 172.1
289 33 109 95

3+00

178.21 30 53 80
333

181.60
~~182.10~~

181.60
~~182.10~~

Bolivar St. Contd.

10+50

10+00

9+50

9+00

8+50

8+00

7+50

7+00

6+73.26

19° 36' Lt.

198.29
x

φ

32

384	194.45	193.6	191.8	190.0
x 23	47	105	8 3/4	
	193.56	52	70	

503

193.26

527

193.02

544

192.85

556

192.73

583

192.46

605

192.14

625

191.84

198.29

↑

13+50

13+00

12+50

12+32.38 90° 04' Rt. (L. Res Dr.)

12+19.9 Edge West Paving Strip

12+00

11+50

11+29 & Garage on Rt.

T.P. 895 $\frac{206.91}{1}$ 0.33 197.96

11+00

198.29

197.11

98

6 & 200.51

203.31

56

284 204.07

258 203.33

425 202.65

765 199.26

884 198.07

$\frac{206.91}{1}$ 1028 196.62
177 196.52 72 floor

198.29

BM. 15.1 5.36 201.55 201.50 5 VIBP Bolivar & Rec

14+00 stub DE

13+77.3 Cb Inlet on Lt

13+63.8 Cb Inlet on Rt

206.91

188.45
 195.92
 196.97
 197.50
 94.1
 184.6
 10.99
 984
 10.1
 31.2 31.2 31.2
 FL 3" Grate Cb
 CMP.

196.81
 196.57
 195.54
 186.07
 10.1
 10.34
 11.27
 20.84
 28.2 28.2 28.2
 Cb Grate FL
 3" CMP.

6-1-50

Potomac St
 Levels for Proposed Sewer
 Raehael to Sea Breeze
 (Sketch P-15-16-17)

7.P. 7.00 $\frac{181.66}{n}$ 0.22 174.66

3+00

2+50

2+00

1+50

1+00

0+50

0+19.8 4" gate Valve 1.7 Rt

0+18.3 6" gate Valve 1.7 Lt

0+00

BM7

1324 $\frac{174.88}{n}$

161.64

1539 173.6 173.75 173.12 173.31
 21.0 1.3 1.3 1.6 1.52
 135 61 164 164
 cb G 170.10

1533 166.8 166.97 166.37 166.57
 21.6 8.1 7.1 8.5 8.31
 120 33 161 161
 cb G 162.90

151.0 162.0 162.04
 23.9 12.9 12.84
 83 33

161.12
 13.76
 161.05
 13.83

174.88

174.10
ST

Potomac St. Cont'd.

BM. 12.2) 18(31 7.57 174.09 174.10

SWDP Flintridge
& Potomac

3032' Lt.
7+05.45 m (Intersection Flintridge line)

6+86

6+50

6+00

5+50

5+00

4+50

4+00

3+54.09 33° 46' 30" Lt

181.66
95181
A

8

774 173.92

835 173.31

812 173.54

812 174.42

586 175.80

586 177.21

586 177.76

586 176.20

586 176.20

586 176.20

8166
A

160.4
21 3 75 68 758 724
63 27 124 124
Cb G

161.7
209 45 297 455 455
74 24 65 65
Cb G

156.1
255 44 374 380
93 55 148 148
Cb G

174.1
174.68
174.08

177.2
177.69
177.11

177.3
177.92
177.30

178.02

Potomac St Cont'd.

11+00

897
199.83

10+50

1057
198.23

B.M. 12.07 208.80 1.47 196.77 196.73

SWBP Potomac
& Morningside

10+24.32 Intersection (Morningside line)

208.80
076.19748

10+00

1220
196.04

9+50

T.P. 12.07 178.24 0.14 186.17

820
190.04

9+00

171.7
146.28
57 34 186 18.6
CB G
183.5
183.78
183.16
184.12

8+50

169.8
176.5
165 98 92.9 103.9 93.5
52 31 CB G
187 182
CB G
179.70
176.96

8+00

652
179.70

7+50

196.31

1162
174.69
186.31

Potomac St. Cont'd

14+50

14+00

13+70

Reg. Conc. Paving

B.M.

1.95 208.81

1.95 206.85 206.86

1.35' Rt.

13+54

Inter. Leo Dr.

SWBP Leo Dr.
& Potomac

13+41

Edge Conc. Pav.

13+00

12+50

12+00

11+50

208.80

✓

14+ 207.34

24+ 206.36

25+ 205.96

28+ 208.81
24+ 206.16

29+ 205.86

34+ 205.33

48+ 204.00

62+ 202.56

76+ 201.19

208.80

✓

Potomac St. Contd.

18+00

17+50

17+00

BM

585

209.30

585

203.42

203.45

SWBP

Inter. Rancho Dr

18'07"30" Rt.

16+87.49

16+50

16+00

15+50

TP

2.19

209.28

1.72

207.09

15+00

208.81

203.81

548

202.57

673

201.45

209.30

202.08

720

202.70

CS8

195.3

203.5

203.82

203.12

204.25

14° 58'

548

605

503

76

50

199

199

66

6

3.57

209.81

209.28

164 207.17

209.81

Potomac St. Cont'd.

231.32

B.P.

13.10 ~~241.37~~ 2.31 218.22 218.21

22+00

21+821 £ Westport

21+50

21+00

20+50

20+00

19+50

TP 13.28 ~~220.53~~ 2.05 207.25

19+00

18+50

209.30

£

41

S.W.P. Potomac
& Westport

0.53 220.00

1.34 219.19

2.58 217.95

4.20 215.83

5.75 213.74

8.87 211.66

11.03 209.50

220.53
2 207.42

1.88
382 205.43

209.30

Potomac St Cont.

26+50

26+00

25+50

T.P.

25+00

24+50

T.P.

24+00

23+50

T.P.

23+00

22+78

22+50

12.56 268.62 0.19 256.06
~~268.62~~
 256.06

12.79 256.25 0.03 243.46
~~256.25~~

12.54 243.49 0.37 230.95
~~243.49~~

3²⁰ 289.67

8²⁹ 260.53

12²² 256.39
 12²⁰ 256.18
 15⁴ 253.2
 2,18.62 6⁵ 90
2,21.25.04

9³² 246.69

2²⁸ 256.25
241.21

7³² 235.67

2²⁴ 243.49
230.28

3³³ 227.34
 4⁶ 226.71
 98

6⁴³ 224.89

2³¹ 231.32
241.32

Potomac St. Cont.

43

2

B.M

060 268.02

26728 B.P. S.W. Potomac & Sea Breeze

26797 = End proposed Sewer

W. Line Sea Breeze

26787 = End Pavement Potomac

060 268.02

027 267.45

25862

Rancho St. North
of Potomac St.
(Sketch P. 17)

7+00 = D.E. Chisel Cross

1+50

1+00

0+50.1 = E Drain 16" Lt to Curb face

0+38

24" Gal. Pipe

0+29.8 = E Drain 13" Rt. to Curb face

0+00 = 16+87⁴⁹ - Chisel x int. Rancho
of Potomac

7⁵⁰ 211.05
↑

203.45

S.W.B.P. Potomac of Rancho

£

+22' 213.86

129 209.26

204.70

195.43

202.27

635
201.29

201.74

1562
F.L.
Pipe

828
Cb

926
16.3
grating

931

201.33

922

201.46

200.67

201.63

196.41

959

1038
132
Grating

942
Cb

1464
F.L.
Pipe

202.11
834

Rancho Street South
of Potomac St.

3+73⁵⁰ = int. Rancho & Schulyer

3450

3+00

T.P.

10.63 221.38 0.30 210.75

2750

2+00

1+50

1+00

0+50

0+00 = 16+87⁴⁹ = int. Rancho & Potomac

B.M.

7.60 211.05

203.45 S.W.B.P. Potomac & Rancho

2

6³⁸ 215.00

7²⁶ 214.12

9¹⁵ 212.23

221.38
0.69 210.36

2⁵⁹ 208.41

4⁴¹ 206.64

6²⁴ 204.81

8¹⁶ 202.89

8²⁴ 202.11

211.05

Rancho St. Cont.

46

£

5.92 21546 21546 S.W.B.P. Rancho Albemarle

5+40 = D.E Chisel Cross

5+00

9+50

4+00

0.61 220.77

1.15 220.23

3.10 218.37

5.43 215.95

221.38

Schulyer St East
of Rancho St.
Sketch R17

T.P. 12.62 222.23 172 219.66
3+00

2+50

2+00

1+60 = Drain Tilet 24" pipe plugged up. one side only.

1+00

0+85

0+50

0+00 = 3+73.80 = Int Rancho & Schulyer

B.M. 5.92 221.38 215.46

219.61 S.W.B.P. West part of Schulyer

488.216.50

213.80

758

210.9

105

67

211.94

944 1043 952

06

135
grating

727

212.61

827

39

765

213.73
214.34

638

221.35

S.W.B.P. Rancho & Albemarle

Schulyer St. Cont.

7+50

T.P.

9.03

253.80

0.10

244.77

7+00

6+43

6+00

T.P.

12.76

244.87

0.12

232.11

5+50

5+00

4+50

4+00

3+68.08 = int. west part of Schulyer

¢

8.61

253.80

286.24

6.78

9.69

0.00
95

244.87

0.12

231.82

3.79

7.08

10.38

11.81

232.23 ✓

245.19

8.61

253.80

286.24

6.78

9.69

0.00
95

244.87

0.12

231.82

3.79

7.08

10.38

11.81

232.23 ✓

4.85

236.02

235.18

244.87

0.12

231.82

3.79

7.08

10.38

11.81

232.23 ✓

2

2.08 251.76

251.68 = S.W.B.P. Sea Breeze f' Schulyer

8+83²⁵ end line

8+73²⁵ = end pave - west line Sea Breeze

8+50

8+00

17 252.11
 2.00 251.80
 3.22 250.58
 247.97
 247.9
 243.9
 236.1
 583 59 99 173
 50 90 117
 253.80

Reo Drive South
of Potomac St.
(Sketch P-16)

3+00 = D.E. stub

2+50

2+00

1+50

1+00

0+50

0+21.5 = Edge Asphalt Pavc.

0+00 = 13+54.44 = int Potomac & Reo Dr.

12.92 219.78
↑

306.86

S.W.B.P. Potomac & Reo Drive

S.W.B.P. Potomac & Reo Dr. A

1 34 218.4

2 3 217.0

4 9 214.9

7 1 212.7

9 3 210.5

11 4 208.4

17 29 206.99

206.18

13 60

219.78

Morningside Drive (Sketch P.10)

T.P.

South of Potomac

11.37 196.73

T.P.

133.208.10

9.19 206.77

4+00 = D.F. Chisel Cross

3+50

3+00

2+50

T.P.

6.22 215.96 0.03 209.74

2+00

1+50

1+00

0+50

0+00 = 10+24.32 = Int. Potomac & Morningside

12.24 209.77

196.73 S.W.B.P. Potomac & Morningside

S.W.B.P. Potomac & Morningside

9.16

4.76 211.26

5.33 210.63

6.03 209.93

7.09 208.68

8.08 206.69

5.83 203.94

9.38 200.39

12.33 197.44

209.77

Flintridge Drive
 North of Potomac.
 (Sketch P. 15)

T.P.		1149	174.10	S.W.B.P. Potomac & Flintridge	188.10
2+50					184.37
2+11	76' Rt Floor of basement with plumbing				183.37
2+00					178.70
1+50					174.47
1+00					173.38
0+74 = E inlet 132' Lt. 3' C.M.P.		161.9	164.4	173.1	164.87
		23.2	21.2	12.5	20.72
		53	37	23	F.L. Pipe
					cb 132
					grate
0+50					173.18
					172.18
					174.1
					167.8
					169.5
0+00 = 7405.45 Int. Potomac & Flintridge					173.49
					173.97
					185.59
					174.10
		11.49	185.59	S.W.B.P. Potomac & Flintridge	

Gables St.
 Rachael to Flintridge
 sketch P. 18

2160 17°16' 30" Lt. (Rt to back tan)

2100

1150

1136

1100

0150

0118.5 Beg Conc Pav.

0100 =

15163.10 Rachael St.

B.M. 6.01 174.26

168.25

SEBP Rachael & Gables

163.99
 163.37
 163.99
 164.4
 157.2
 10.27
 10.89
 10.27
 9.9
 17.1
 167.67
 7.8
 7.8
 161.36
 6.9
 23
 70
 65.9
 156.36
 11.9
 10.25
 30
 80
 378
 170.66
 360
 170.43
 382
 168.67
 559
 167.54
 572
 167.5
 600
 174.26

5+35.78 16° 07' Lt. (Rt. to back fan)

5+00

TP 2.93 175.24 195 172.31

4+50

4+00

3+50

3+29 & Garage on Rt.

3+00

2+90

174.26

3	4	3	4	158.34
5.3	2	5.5	0	
172.31	9	9	19	70
	6	06		
29.3				

175.24

172.20

2.06

170.42

3.5x

167.30

5.95

165.85

8.4

164.39

9.87

163.81

10.45

174.26

161.05
13.5
85
Floor

Gables St. Contd

8+26.75 Intersection Flintridge line

8+08

8+00

7+50

T.P. 1308 $\frac{187.91}{7}$ 0.41 174.83

7+00

6+75

6+35

6+00

$\frac{175.24}{7}$

187.89
187.00
0.91
186.09
83
177.49
104.2

187.91
170.28
17.63

168.63
167.84
168.89

167.94
158.1
17.1
28 80

$\frac{175.24}{7}$

56

Flintridge
Gables to Potomac
(Sketch R. 18)

3+41.02 Intersection Potomac line

3+19

3+00

2+50

2+00

1+50

1+00

0+50

0+00 =
8+26.75
Gables St.

187.91 (from R. 55)

173.91
~~14.00~~

173.82
~~14.09~~

174.51
~~13.40~~

176.42
~~11.49~~

178.72
~~9.13~~

181.06
~~7.85~~

180.9
75 50
50 20

182.9
50 53
20

183.38
53

185.63
~~22.8~~

187.89
~~10.02~~

187.91

Flintridge St
 Gables west to DE
 Sketch P-18

1317

1156 184.28 184.26

NEBP Flintridge & Alkermarle

1400

191.16
~~158~~

0450

190.22
~~152~~

0400 =
 84 2675
 (Gables St)

187.93
~~151~~

T.P.C.D 791 195.84 +002 187.93

195.84
~~151~~

187.91 from P 50

Albemarle St
Rachael to Sea Breeze

Sketch R 18-19, & 17)

3+00

2+50

T.P. 13.31 171.93 0.36 158.62

2+00

1+50

1+00

0+78.5 36" Conc. Pipe

0+19 Beg. Conc. Paving

0+00 =

(12+53.30)
Rachael

B.M. 8.50 158.98

150.48

SEBP Rachael & Albemarle

169.29

2+4

163.79

7+4

171.93

0.51 158.47

153.20

5+8

148.61

10+37

141.52

148.02

147.01

147.88

147.04

148.07

140.81

17+8

10+8

11+7

11+0

11+4

10+1

8+7

18.9

18.9

18.9

21.3

21.3

21.3

Fl. C6 Grate

Grate C6

FL

150.86

8+12

151.7

7+3

158.98

Albemarle Cont'd

BM 146 18383 2.15 182.40 18237

6+75

6+86.41 9° 21' Lt. (Intersection Hopkins St)

6+00

5+50

5+00

4+50

4+00

3+85.00 24° 00' Lt. (Rt 15 to back lane)

TP 12.69 184.55 0.07 171.86

3+22.95 Intersection Westwood.

171.93

SWBP Hopkins & Albemarle

168.65 3 03 181.52
 15 2 5 5 179.1 49 49 180.91 3 05
 70 38 56 56 179.14 3 50 181.05
 179.31
 176.81
 173.69
 170.78
 175.2 70 55
 166.7 80 50 182.55
 180.42
 181.24
 181.49

Albemarle St Contd.

9+72

BM

13.09

197.35

+0.43

184.26

184.26

NEBT Flintridge & Albemarle St

9+48.98 Intersection Flintridge Line

9+26

9+00

8+50

8+27.30 (Intersection of line from west)

8+01.6 36" C.M.P.

7+50

7+00

183.83

↑

183.47

1388

197.35

125 182.58

2 181.64

2 18

4 23

9 179.50

9 174.68

9 172.88

10 171.77

10 170.76

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

10 171.79

163.91	171.80	170.77	171.77	170.76	171.79	171.79
19°23	12°23	13°05	12°05	13°07	12°04	19°20
18.7	18.7	18.7	18.7	21.7	21.7	21.7
FL.	Ch	Grafc	Grafc	Ch	FL.	FL.

10 173.68

10 178.10

10 183.83

10 183.83

10 183.83

10 183.83

Albemarle St Cont'd

14+50

14+00

13+50

13+00

12+65.83 Inter. Morning side line (to north)

12+00

11+50

T.P. 12.85 $\frac{209.53}{5}$ 0.67 196.68

11+00

10+50

10+00

197.35

21 207.42

20 206.04

19 204.62

18 203.08

17 202.43

16 200.13

15 197.38

209.53
246 (345)

14 189.86

13 185.71

197.35

Albemarle St Cont'd

18+00

17+50

17+22

17+00

16+50

16+12⁴ Beg Conc Pav

15+95.96 10° 54' RT

15+82⁶ End Conc Pav

15+50

B.M. 5.16 $\frac{214.99}{\times}$ 5.16 20981 20983

T.P. 5.78 $\frac{214.97}{\times}$ 0.34 20919

15+00

$\frac{209.53}{\times}$

210.30
208.27
7.1
6
210.04
7.1
6
210.64
23.5

207.54
7.5

207.96
7.03
207.67
7.32
208.35
6.6
7
9
6

209.53
6.6

210.54
7.5

211.03
7.5

210.71
7.5

210.08
7.2

214.99
7

208.73
0.80

209.53
7

SW. A.P. Leo & Albemarle

Albemarle St. Cont'd

22+50

22+00

21+60 24" CMP on Lt.

21+38.2 24" CMP on Rt.

21+00

20+50 Garage on Rt.

20+00

BM 6.10 221.56 ✓ 6.10 215.46 215.46 SWBP Rancho & Albemarle

19+34.97 8°55' Rt (0.25' East of Rancho)

BM

19+00

T.P. 7.09 221.56 ✓ 0.52 214.47

18+50

214.99
✓

209.08

214.42

213.39

214.41

215.70

217.94

12x8
18.8
Fl.

7x8
18.8
Cb.

8x8
18.8
Grate

214.36

213.48

214.50

207.41

215.09

21.3
Grate

212
Cb

21.3
Fl.

216.40

5x8

215.08

216.97

50
Floor

215.33

216.68

212.67

221.56

232

214.99
✓

Albemarle St. Cont'd.

64

B17 0.16 247.56 247.57

SWBP Sea Breeze G Albemarle

26+89.5 Edge Conc. Paying Sea Breeze

26+00

25+76

25+38

25+00

24+50

T.P. 13.31 247.72 0.05 234.41

24+00

23+50

T.P. 12.97 234.46 0.07 221.49

23+00

221.56

065 247.07

1.3 246.59

1.4 246.28

2.70 245.02

5.85 241.87

2.3 235.51

247.72 5.50 228.96

10.88 223.48

234.46 1.31 220.25

221.56

Reo Dr
Albemarle to North

3+00 DE

2+59 F. Hydt. (on line)

2+50

2+00

1+50

1+00

0+50

0+19 Edge Asph Pav.

0+00 =
(15195.96
Albemarle)

B.M. 1232 222.15
↑

20983

SW BP Albemarle & Reo

219.30
285
13.75
Pay
219.30
225
14.605
Pay
219.89
273
16.25
Pay
217.30
285
13.75
Pay
218.25
225
16.25
Pay
216.5
213.72
843
13.75
Pay
217.25
213.78
837
16.25
Pay
212.7
95
211.59
1056
211.03
112
222.15

Morningside On
Albemarle to North
Sketch Pig

66

2+50 D.E.

2+00

1+50

1+00

0+50

0+21

0+00 =
121 6583
Pigeon mark

B.17 13.07 214.44

201.24 SWBP Morningside & Albemarle

211.78
211.69

211.69
211.22

211.22
209.17

209.17
205.25

205.25
202.74

202.74
202.45

202.45
214.91

Flintridge Dr.
 Albemarle to North
 Sketch P-15

67

2100 DE

1450

1400

0450

0421

0400 =

(944595
 Albemarle)

137 867 19293
 ^

184.26

NEBP Flintridge & Albemarle

179.73
 186.73
 189.88
 190.57
 187.94
 185.62
 183.71
 182.67
 182.57
 19293
 ^

Hopkins St
 (Albemarle to South)
 (Sketch P. 19)

3+51.00 Intersection Midwick Ln =

3+00

TP. 4.20 $\frac{197.97}{\text{✓}}$ 1.27 193.77

2+31 & Garage on Rt.

2+00

1+50

1+00

0+50

0+23

0+00 =

6+52.41
 Albemarle

B17 1267 $\frac{195.04}{\text{✓}}$

182.37

631 191.66

490 183.07

197.97
 $\frac{194.13}{\text{✓}}$

071

194.51

7-187.94
 104

053

150 183.54

511 189.63

1121 183.73

1388 181.16

1381 181.23

19504
 $\frac{1}{\text{✓}}$

BM.

6.33 191.64 191.64

3rd BP Cumberland & Hopkins

5+60 D.E.

5+00

4+71.6 18" C.M.P.

4+50

4+00

197.97
✓

188.80
 9.17
 185.7
 186.7
 185.68
 185.2
 182.9
 180.37
 182.30
 185.32
 185.02-25
 184.20-29
 185.23
 180.00
 15.57
 12.55
 12.95
 13.22
 13.8
 13.8
 13.8
 17.97
 23 23
 FL HV Gate Gate FL
 12.30
 185.67
 185.68

180
 182.30
 185.32
 185.02-25
 184.20-29
 185.23
 180.00
 197.97
 ✓

9.25 188.72

197.97
✓

Morningside Dr.
 Cumberland to North
 (Sketch P. 19)

3+00

2+50

2+00

1+50

1+00

0+50

0+28

0+00 =
 (15+01.27
 Cumberland)

B17 2.13 188.05
 ↑

18592

179.49
 8'5
 180.14
 7'9
 180.88
 7'9
 182.14
 5'9
 183.49
 4'5
 184.85
 3'8
 185.89
 2'6
 185.87
 2'8
 188.05

2480 Morningside & Cumberland.

check

57x 19383 (19389)

(Chiscl x 11.00 Albemarle line P. 61)

5+60 D.E.

5+00

T.P. 11.95 199.57 0.43 187.62

4+50

4+00

3+50

3+30.31

intersection Midway

188.05
✓

185.95

56.2

191.45

8.2

199.57

187.62

0.43

183.75

3.0

180.41

5.4

179.63

8.43

188.05
✓

Midwick St.

Morningside Dr. to Hopkins

3+00

(Sketch P. 19)

2+40

2+00

TP. 12.00 202.24 0.60 190.24

1+50

1+00

0+50

0+19.3 24" CMP Rt.

0+15.5 24" CMP Lt.

0+00 =

(3+30.31 Morningside)

B.M. 11.00 190.84

179.78

SWBP Morningside & Midwick

197.62

196.35

193.00

188.15

183.17

180.00

179.13

179.10

179.60

179.74

190.84

176.42

120.6

18.4 18.4 F.L. Grate

11.71 Grate

15.35 F.L.

Midwick St. Contd 72680

10.58 191.66 191.66 (Sta. 3+51 P.C.S)

7+26.86 Intersection Hopkins St.

7+00

6+50

6+00

5+50

5+00

4+50

4+00

3+50

202.24

10.58 191.66

10.12 192.12

9.38 192.86

8.81 193.43

8.07 194.17

7.37 194.85

6.61 195.57

6.00 196.24

5.9 197.05

202.24

Alternate Line
 Block 17
 Bet. Midwick & Albemarle
 sketch P. 19

1423 24" Euc Tree 5' Rt.
 1404 15" Euc Tree 7' Rt.
 1400
 0192 14" Euc Tree 10.5' Rt.
 01526 Outlet 30" Cork Pipe 177 Rt.
 0142
 0128
 0114 No Cb Midwick
 0114 No G line Midwick
 0100 =
 (1400
 Midwick line)

B17 619 18597
 17978

180.5
 176.1
 176.2
 176.1
 178.07
 176.05
 177.2
 171.6
 182.7
 183.44
 182.82
 183.18
 18597

SWBP Morningside & Midwick

4+35

4+10

4+00

3+50

3+05

2+80

2+60

2+00

TP 6.76 18180 1093 17504

1+70 (Rt. to back tan) 70°20'4"

18597

171.7 168.2 167.4 168.6 169.8 175.0
 10° 13° 14° 13° 12° 6°
 40 25 17 10 30

169.9 168.5 167.7 174.1
 11° 13° 14° 22°
 15 175.2 170.8 170.6 168.5
 6° 11° 11° 12° 8°
 31 177.5 171.8 171.9 176.7 173.6

176.8 174.9 171.8 176.1
 40 50 32 50
 5° 6° 10°
 26 180.4 173.2 173.3 178.0

177.3 174.6 174.5 174.5 181.7
 23 23 23 23 50
 176.0 174.1 175.0 175.2 179.5
 10° 11° 10° 10° 6°
 47 28 46 19 30

18597

Block 17 Contd.

CK. 8.89 172.91 172.88 (Sta. 8+27.30 P. 60)

5+71.09 = Intersection Albemarle
8+27.30
Albemarle

5+49.2

5+49.2 South of Albemarle

5+43

5+32

5+14.25 (61°27' Rt) Rt. Ls to back fan.

4+75

181.80

172.91
8.89
172.13
172.82
8.88
66
172.6
93

167.4
167.6
168.4
174.1
14 14 13 7
21 10 23
171.3
166.5
167.39
168.7
173.5
10 15 14 13 8
36 25 Hub 16 29
168.9
12.9

Westwood St

Cumberland to Albemarle

(Sketch P-20)

2+80 Garage on Lt S.E. Cor.

2+50 Garage on Lt

2+00

1+31.9 18" CMP on Lt

1+19.2 18" CMP on Lt

1+00

0+30

0+00 =

3+26.15
Cumberland.

T.P. 13.18 177.12 0.49 163.94

B.M. 12.12 164.43

152.31

S.E.R.P. Rachael & Cumberland.

161.0
161.8

161.2
168.77

159
88

163.9
167.6

133
168.28

164.050
167.64

1306
166.01

13.7 13.7 13.7
167.84

F.L. Cb Grate
167.99

167.42

168.43

164.57

160.52

16.4 16.4 16.4

Grate Cb F.L.

86.0

142.68

174.12

300

177.12

4.13 170.99 170.98 (342295 P.59)

5+71.04 =
(3+2295
Albemarle line)

5+00

4+50

4+00

3+96 50' Cor Garage on H.

3+00

177.12
/

170.99
170.79

633

170.40

167.5
95 721

50 163.6 169.91

135 723
98 Floor 169.4
169.15

797

177.12
/

10-27-50 Levels Hopkins St
Hendricks Shaw to Cumberland
Sherman (Sketch R20)
Crawford
Shepard

B17

2.67 192.40 (192.44)

2+00

INDEXED
M.K.
OCT 24 1950

1+86 & Garage on Lt

1+50

1+00

0+65

0+50

0+00 =
6+55.56 on Shaw line

B.M. 11.47 195.07
A

183.60
A

79

Chisel x 6+60⁸⁹ Cumberland St, F.B. 2076 P.

186.13 4+25 190.82
190.37

894 4+20 4+87
84 21
FL.

190.20
7+25 187.82

184.30

175.2

199

38

182.6

125

73

10+27

11+22

183.12

12+29

11+30 183.77

SWRP Shaw & Hopkins

10-23-50 Levels Hopt

Handwritten notes on the left page, partially obscured by the lined paper.

5
0
5

1

1+

1+

140

0+6

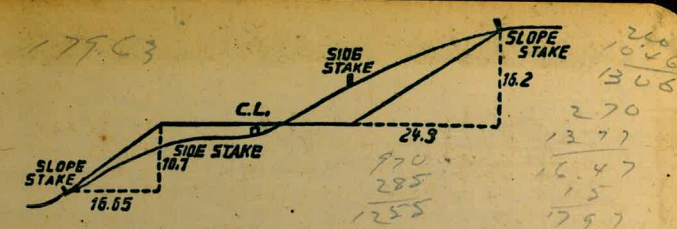
0+50

0+00 =
6+5556

B.M.

8701.6

536
 19 401
 131 28
 33 373
 98
 17 959 60
 70 09 30
 10 9 50 30
 9.75
 5.87
 15.62 179 - 60
 100 20 84
 79 - 09
 13.38
 734
 1846
 87 20 72 12 + 32 38
 13 75
 12 + 18 63
 12 32 x
 125
 12 09 9
 152
 183 17
 183 83
 1095
 17288
 11735
 246
 19485
 20691
 536
 2055
 114
 9.4
 20
 21.02
 19
 2084
 270
 1377
 16.47
 15
 1797



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
 SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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