

CR 301

Locusts Line

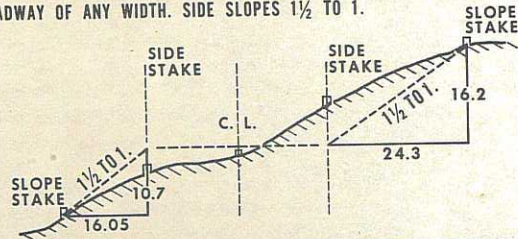
THE GREAT
WESTERN POST

THE BOOK



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

ROADWAY OF ANY WIDTH. SIDE SLOPES 1/2 TO 1.



Cut or Fill	Distance out from Side or Shoulder Stake.										Cut or Fill
	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

Property of Cache County
Engineer
 Address 179 North Main
Logan, Utah
 Telephone 752-8327

This Book is manufactured of a High Grade 50% Rag Paper having a Water Resisting Surface, and is sewed with Nylon Water-proof Thread.

2

124+00

123+50

123+00

122+50

122+00

121+50

121+00

27 Aug 1994

R.E. Swiss

16.5'

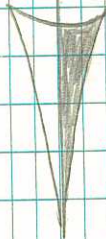
P.B. Ward

G.R. Foreman

1 - - - -

High Bank

N

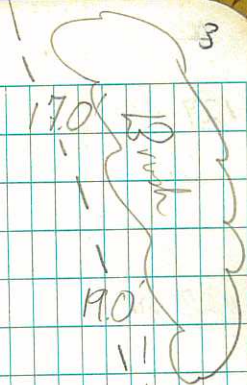


3

17.0

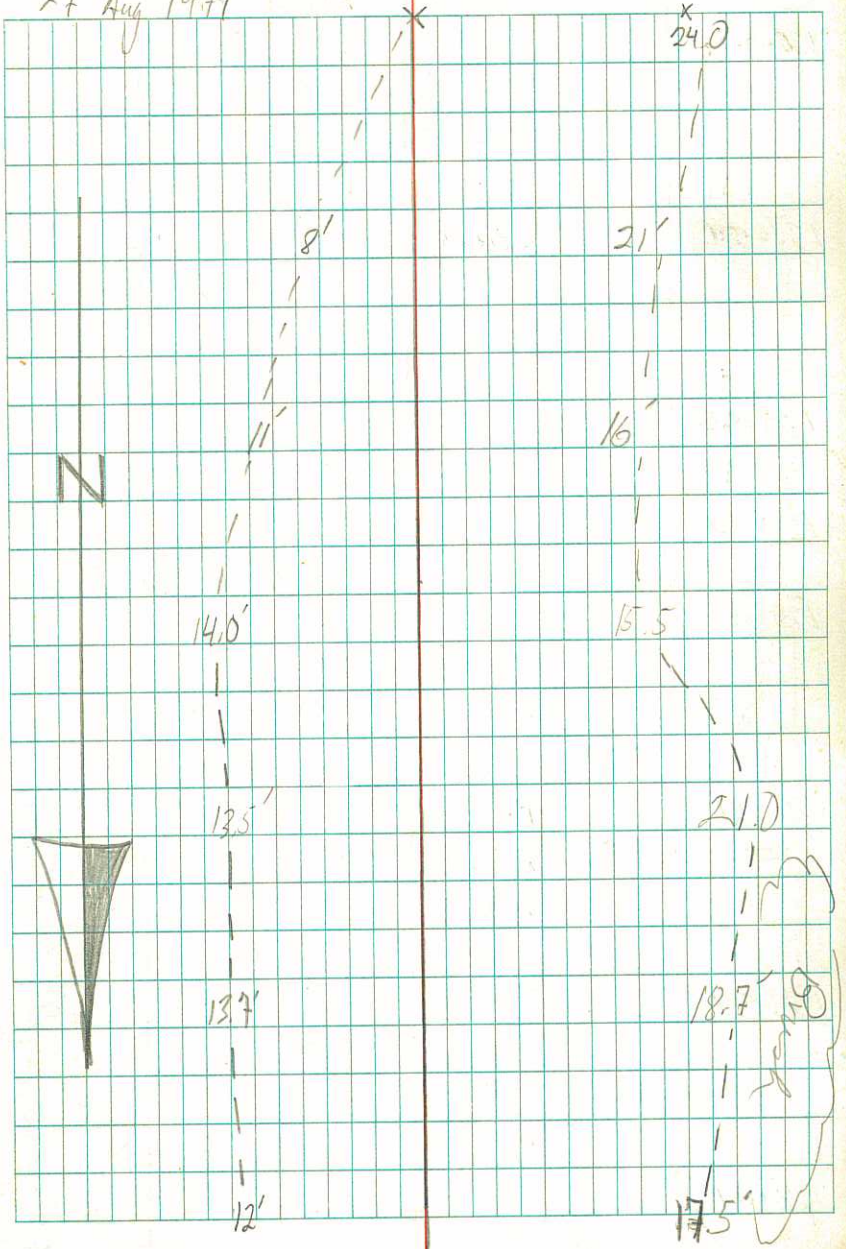
19.0

24.5



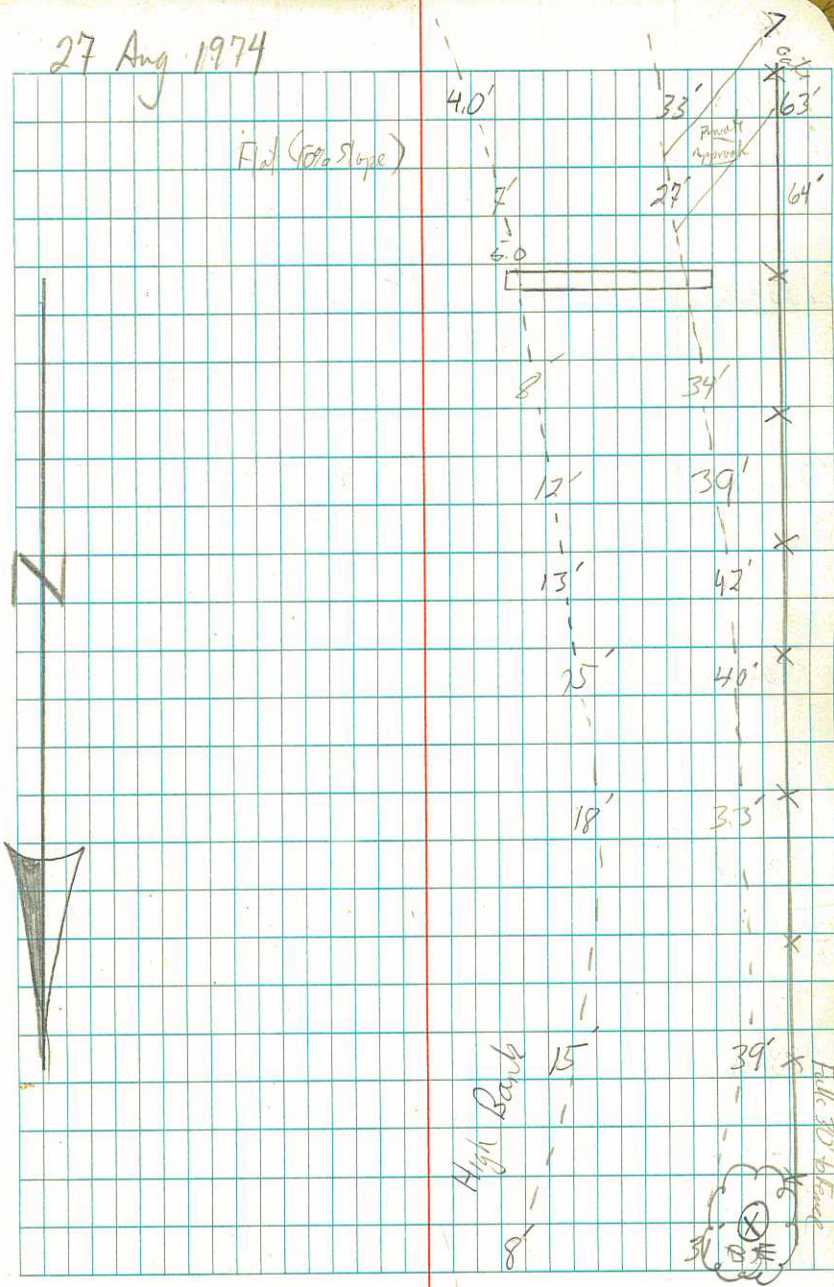
	Deflection	Lt	Rt
127+50			2° 32'
	$\Delta = 20^{\circ} 54' 40''$		
	$T = 92.27$		
05 ⁹² P.C.	$R = 500$		
127+00	$L = 182.48$		
	$D = 11^{\circ} 27' 38''$		
63²¹ PT			
126+50			
42⁶⁷ P.E.			
+36 ²¹ PT		10° 27'	
	PI-PI	260.64'	
126+00		8° 23'	
	Lt.		
	$\Delta = 20^{\circ} 54' 40''$		
125+50	$T = 92.27$	5° 31'	
	$R = 500$		
	$L = 182.48'$		
	$D = 11^{\circ} 27' 38''$		
125+00		2° 39'	
53 ⁷³ P.C.			
124+50			

27 Aug 1974



6	Deflection	Lt.	Rt.
132+00			
131+50			
131+29	Pipe Culvert -	40.5'	12" Crp
131+00			
130+50			
130+00			
129+50			
	PI → PI	1483.89	
100 ⁷⁴ PT			11° 09'
129+00	Rt.		11° 07'
94 ⁸⁰ PE	Δ 22° 19' 30"		
	T = 98.66		
	R = 500		
128+50	L = 194.82		8° 15'
	D = 11° 27' 33"		
425 ¹⁵ PT			
128+00			5° 23'

27 Aug 1974



8

135+50

135+00

134+50

134+00

133+50

133+00

132+50

+29

Convent

27 Aug 1974

135+78

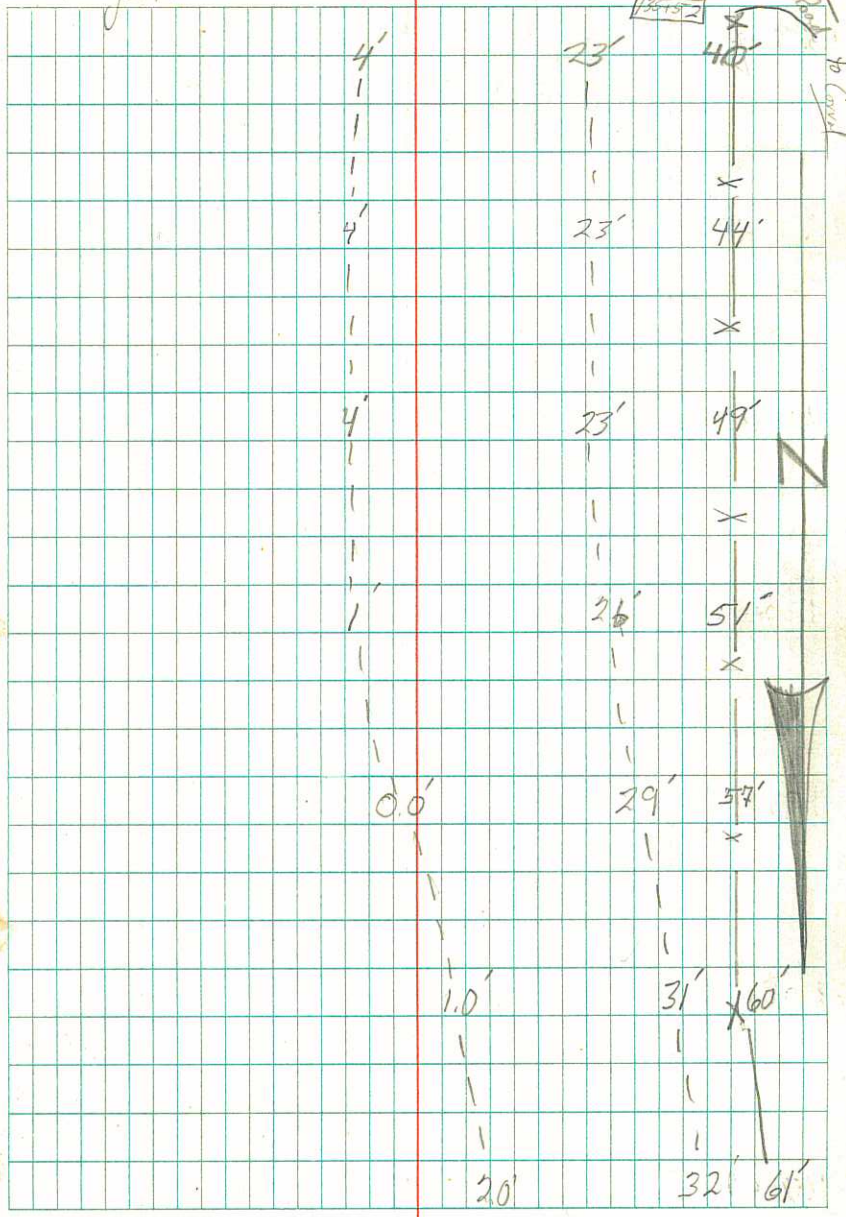
135+2

Cont

9

to Convent

9340-100



10

139+00

+50

138

+50

137

+50

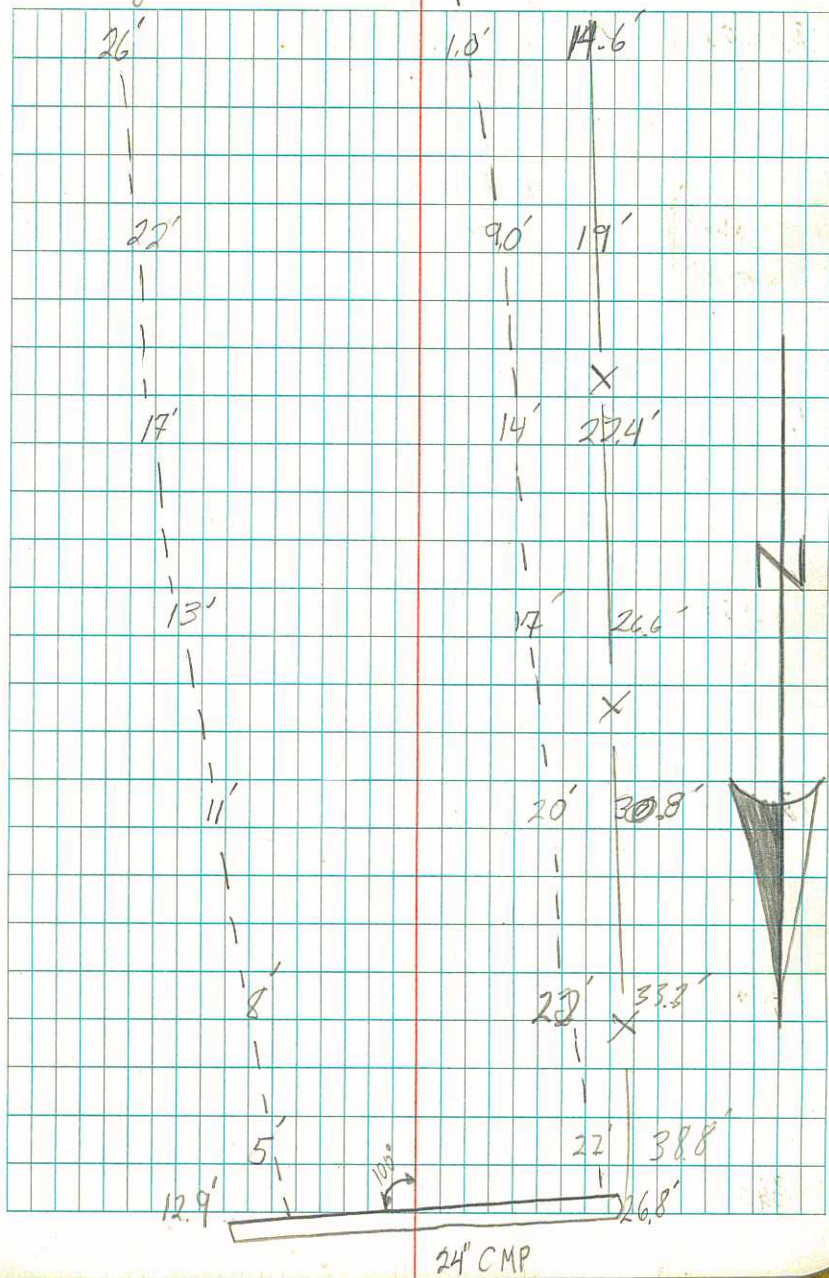
136+

+86

Culvert

27 Aug 1974

11



12

Deflection

Lt

Rt.

142+50

 $\Delta 5^{\circ} 12' 20''$ $0^{\circ} 47'$

7-90.92'

R=2000'

L=181.71

142

 $D=2^{\circ} 51' 53''$ $0^{\circ} 04'$ +95⁰⁵ P.C.

+50

141+

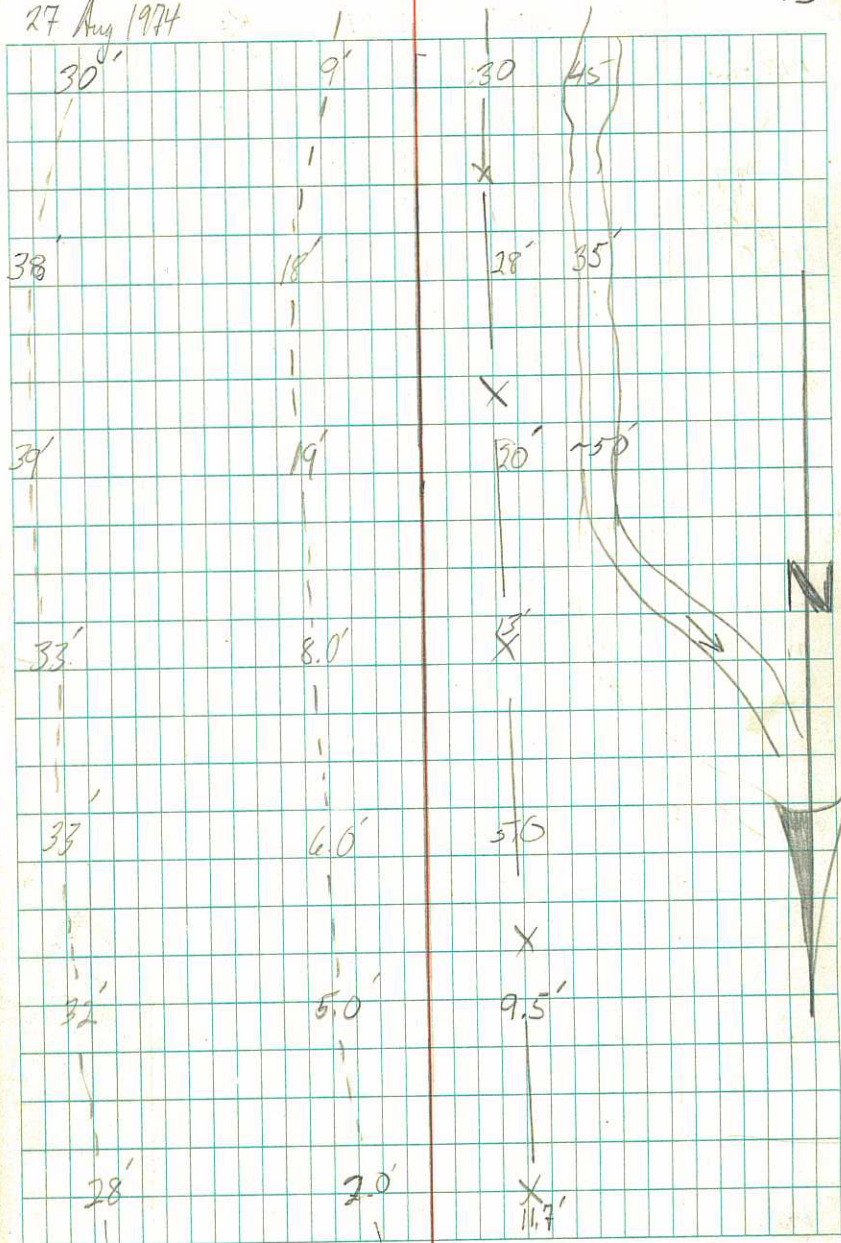
+50

140

139+50

27 Aug 1974

13



14

Reflection

Lt

Rt.

146

1° 48'

+68⁷¹
+50

PC

145

PI → PI 375.62'

+50
+50

144

+76⁷⁶

PT

2° 36'

750

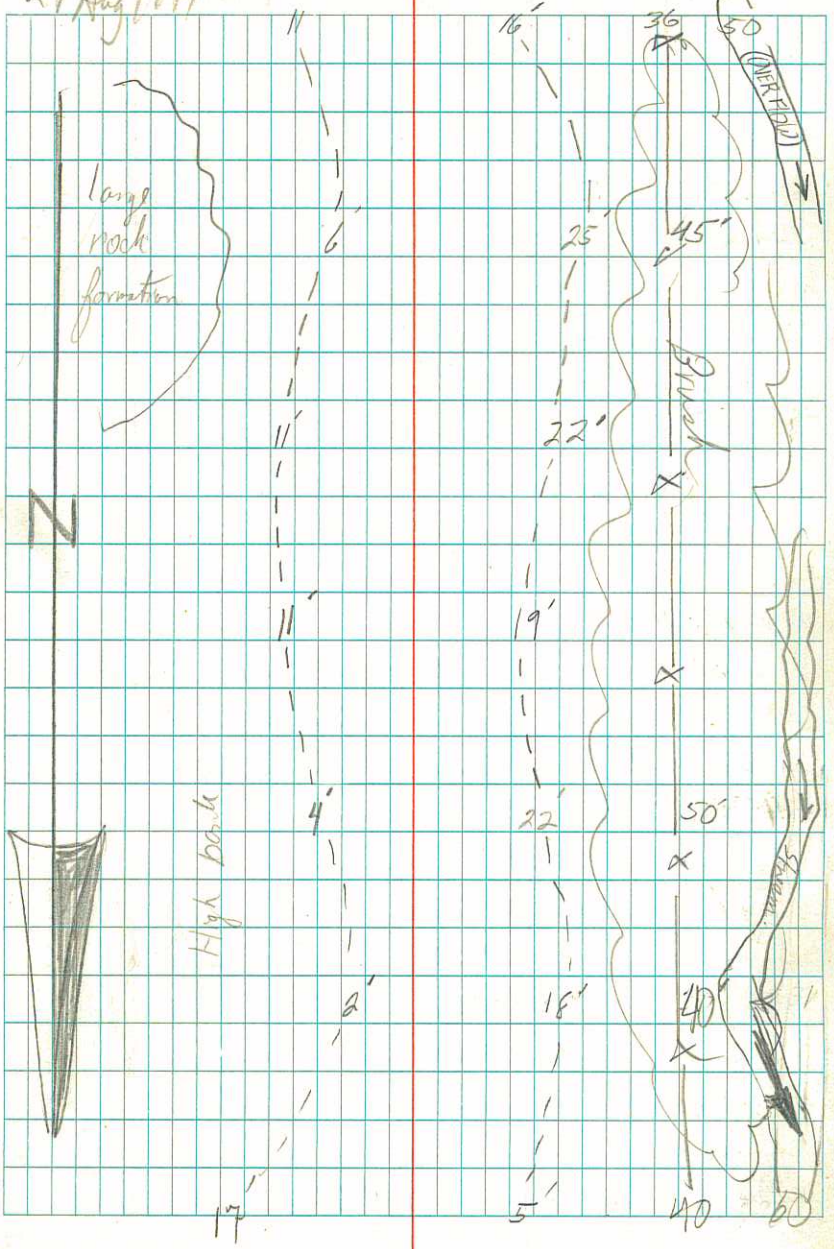
2° 13'

143

1° 30'

27 Aug 1974

15



14 16

Reflection Lt Rt

14
+50

149

14
+50

148

PI → PI. 581.84'

+52 ¹³ RT.

10' 31'

14
+50

10' 23'

Lt

$\Delta = 21^{\circ}02'05''$

T = 92.75'

147

R = 500' 7' 31'

L = 183.42'

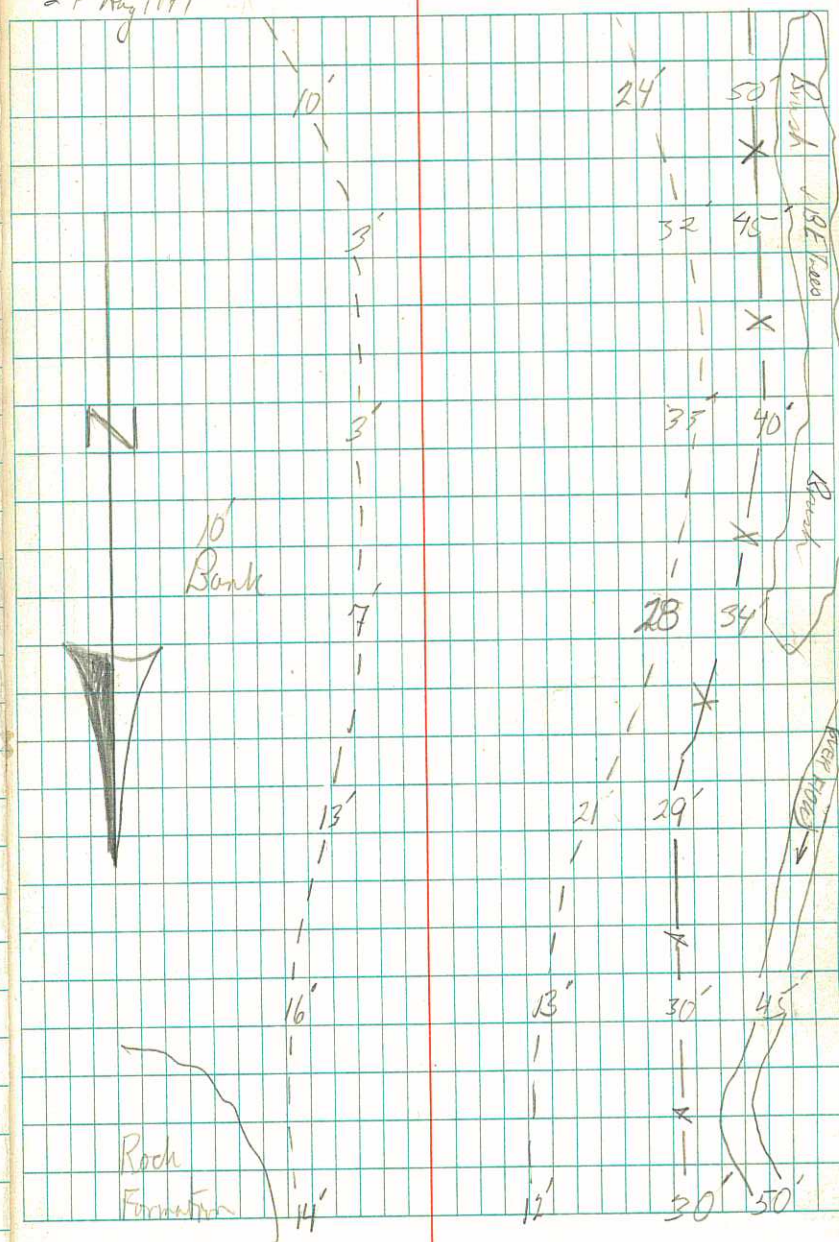
$\Delta = 11^{\circ}27'33''$

+50

4' 39'

27 Aug 1974

17



14 18
14 153

	Deflection	
RT	LT	RT
	$\Delta 27^{\circ} 47' 40''$	$11^{\circ} 18'$
	$T = 98.97'$	
	$R = 400'$	
	$L = 194.04'$	
+50	$D = 14^{\circ} 19' 26''$	$7^{\circ} 43'$

14 152

$4^{\circ} 08'$

+50
 $42 \frac{25}{-}$ PC

$0^{\circ} 33'$

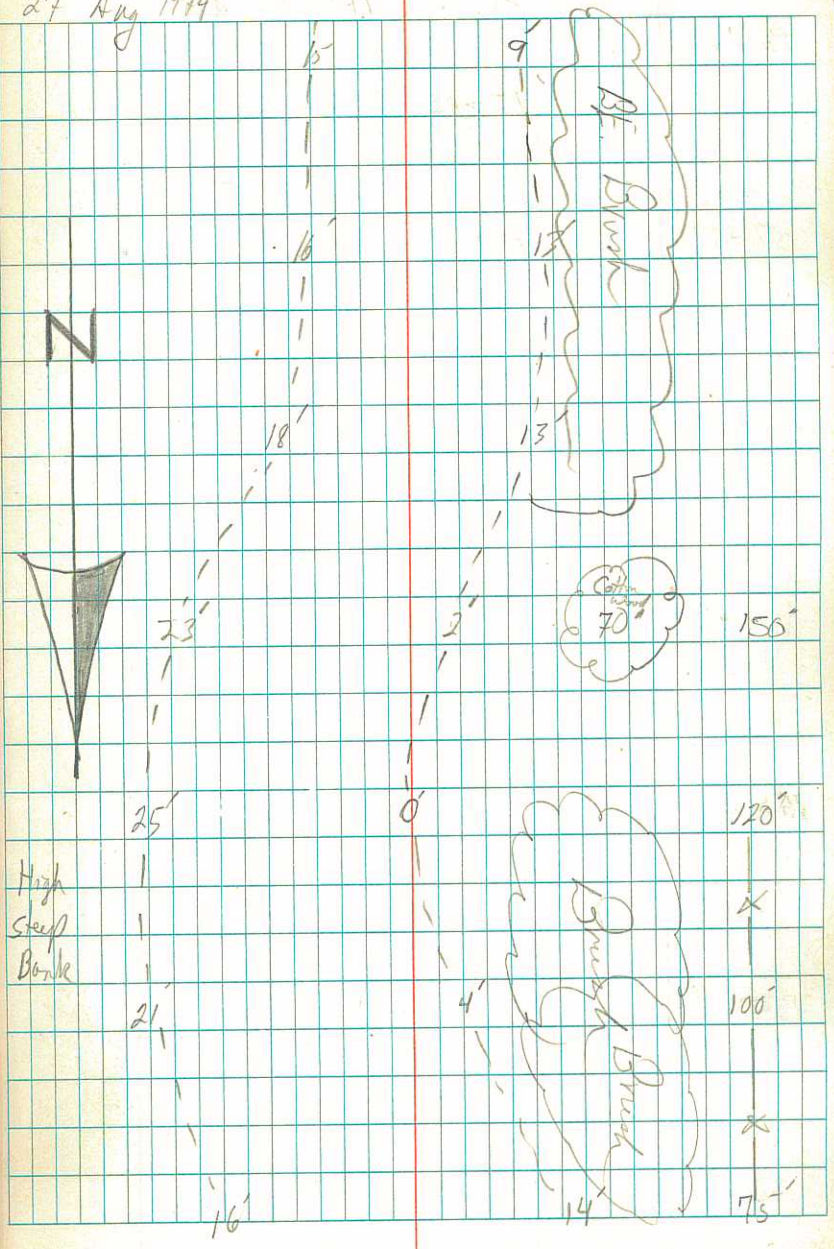
14 151

+50

150

27 Aug 1974

19



14

20

Reflexions

Lt

Rt.

14

+50

PI → PI 259.22'

+04 ⁵⁴

PT

13° 05' (33")

156

Lt 3

12° 46'

Δ = 26° 11' 10"

T = 93.03'

R = 400'

14

+50

L = 182.81' 9° 11'

D = 14° 19' 26"

155

5° 36'

14

+50

2° 01'

+21 ⁷³

P.C.

154

PI → PI = 277.44'

+50

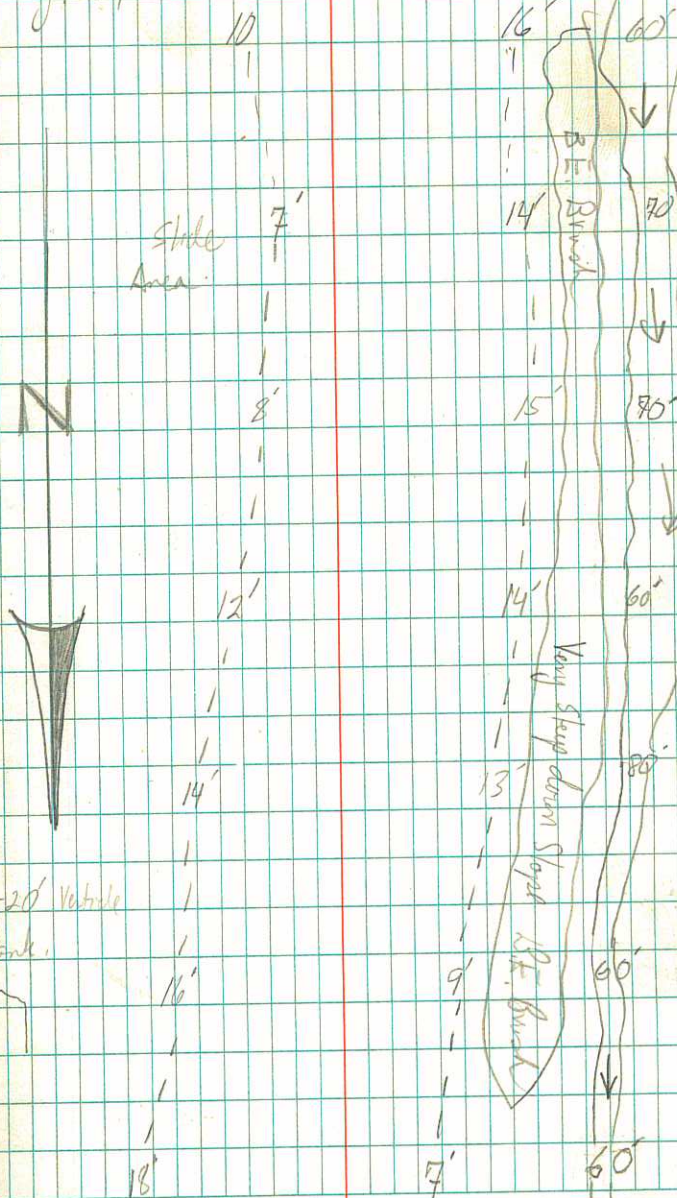
+36 ²⁹

PT

13° 54'

27 Aug 1974

21



14 22 Deflection Lt Rt

14 160

+50

14 159

PI to PI = 824.65'

+53⁵⁵ PT

3° 10'

+50

3° 06'

Rt +

$\Delta = 6^{\circ} 20' 00''$

T = 82.99'

R = 1500'

2° 09'

L = 165.81'

D = 3° 49' 11''

14 158

+50

1° 11'

157

87 74

P.C.

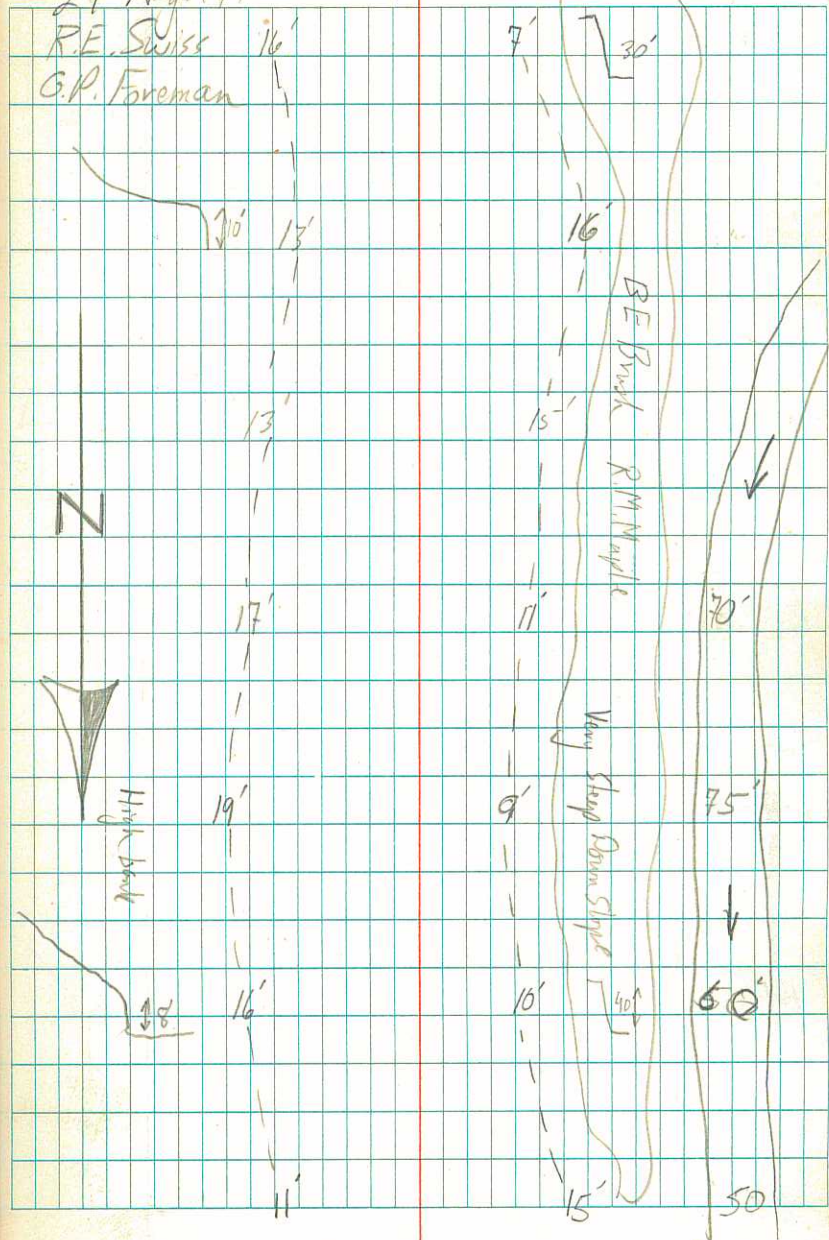
0° 14'

29 Aug 1974

R.E. Swiss

G.P. Foreman

23



24

+50

163

+50

162

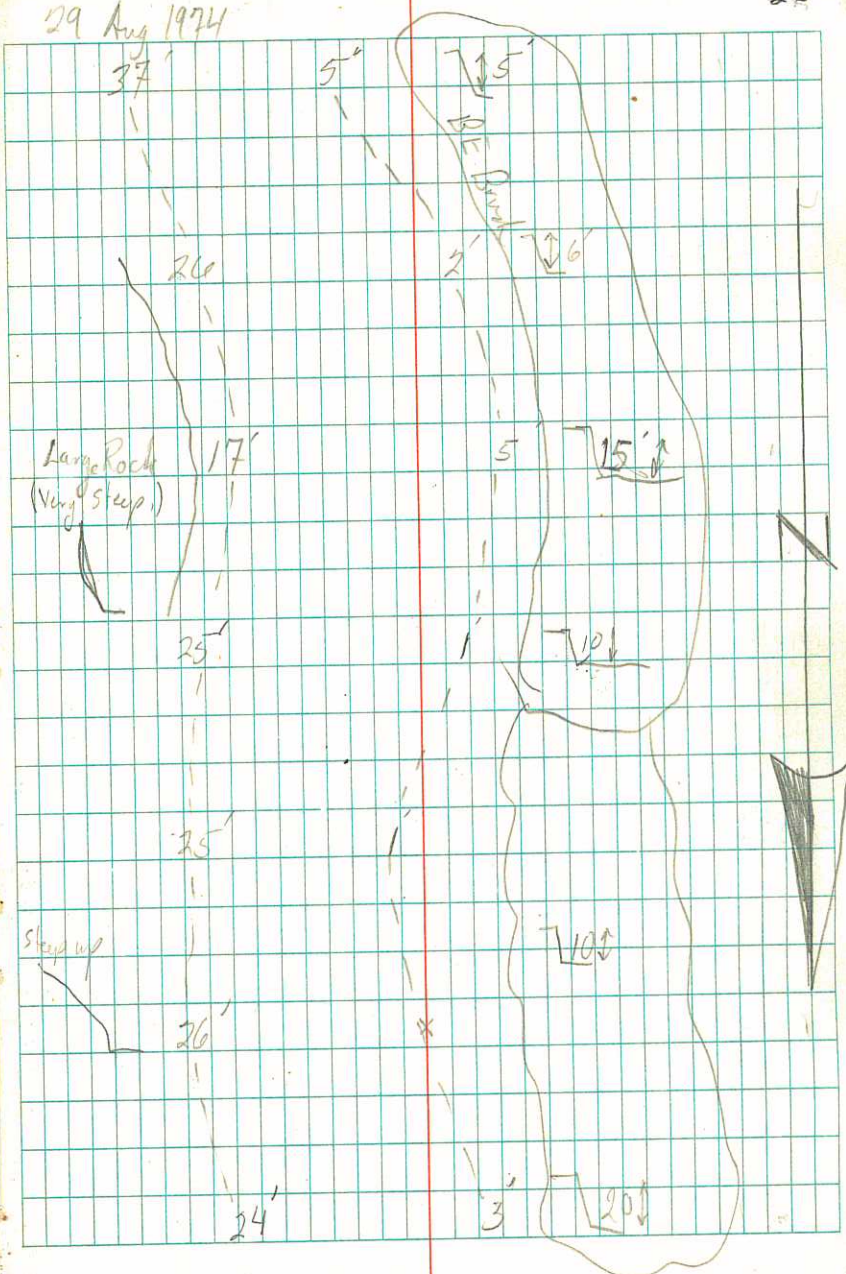
+50

161

+50

29 Aug 1974

25



26

Deflection LT RT

167

PI → PI 899.52'

+50

+46⁹⁰

P.T.

RT

0° 18'

A = 0° 35' 25"

T = 51.51'

166

R = 10,000'

0° 10'

L = 103.2'

D = 0° 34' 22"

+50

+43⁷⁰

PC

0° 01'

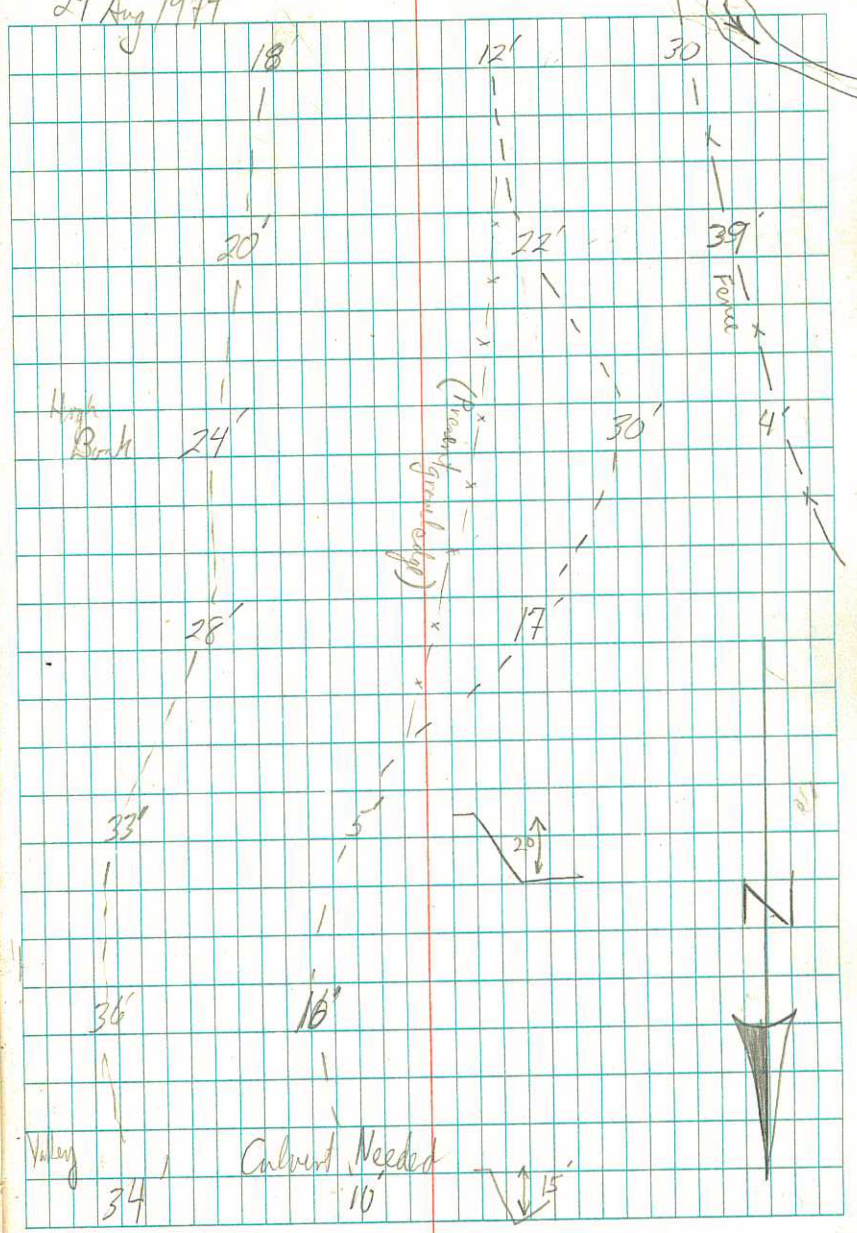
165

+50

164

29 Aug 1974

27



28

+50

170

+50

169

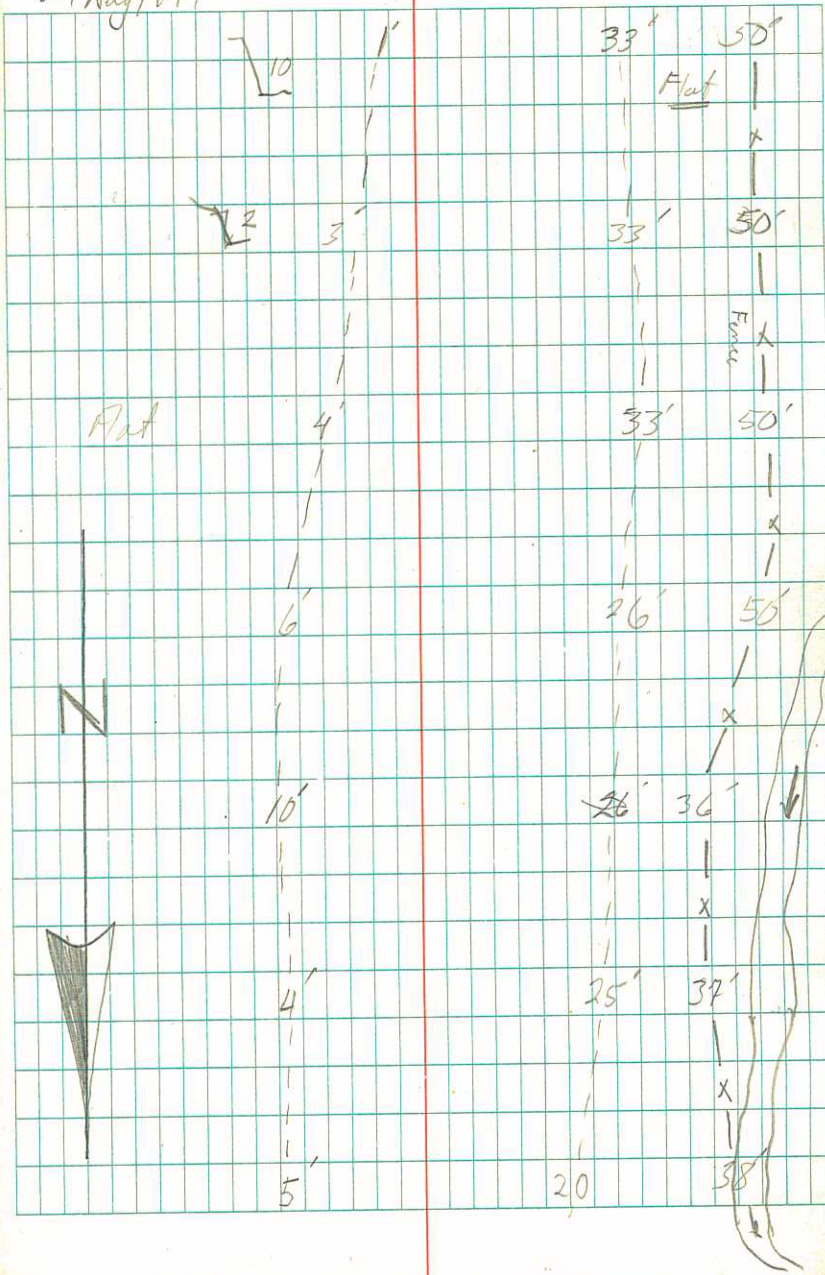
+50

168

+50

29 Aug 1974

29



30

174

+50

173

+50

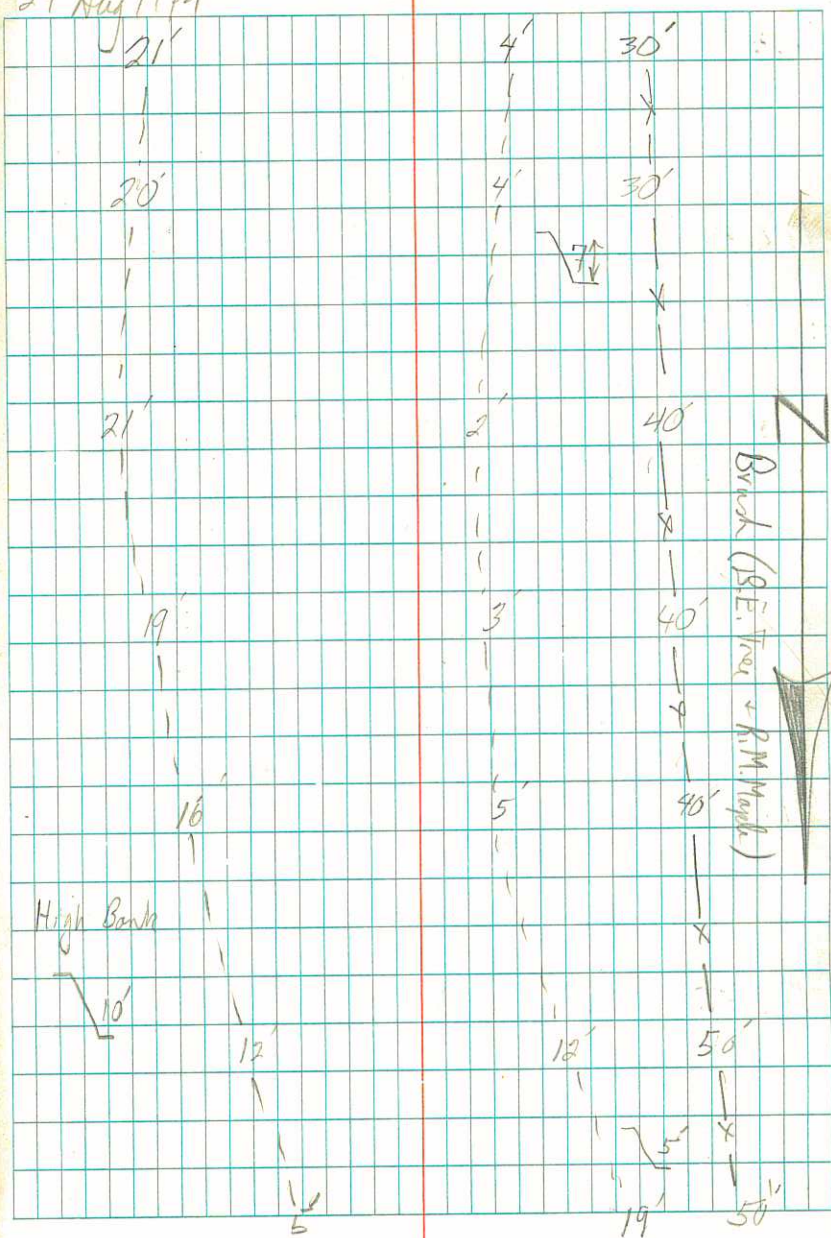
172

+50

171

29 Aug 1974

31



3

32

Deflection

Lt 4

Rt 4

+50

17

177

+50

PI → PI 570.07'

176

+73¹⁹ P.T

9° 03'

Lt 4

+50

$\Delta = 18^\circ 05' 38''$ 7° 43'

T = 79.60'

R = 500'

L = 157.88

175 +

D = 11° 27' 33" 4° 51'

+50

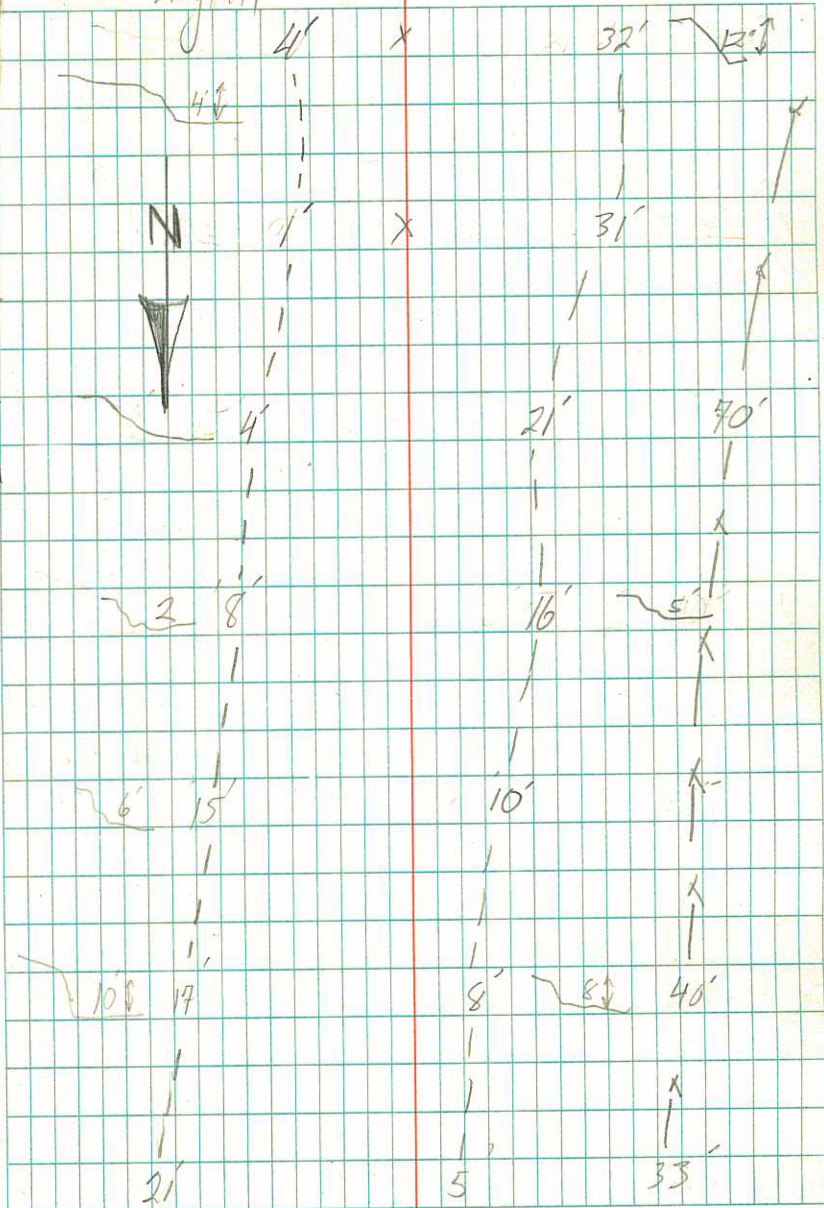
1° 59'

+15 31

P.C.

29 Aug 1974

33



34.

181

Do Flexion

Lt

Rt

12° 33'

Rt*

 $\Delta = 35^\circ 12' 05''$

T = 95.17'

+50

R = 300

7° 47'

L = 184.31

D = 19° 05' 55''

180

3.01'

68th P.C.

+50

179

+50

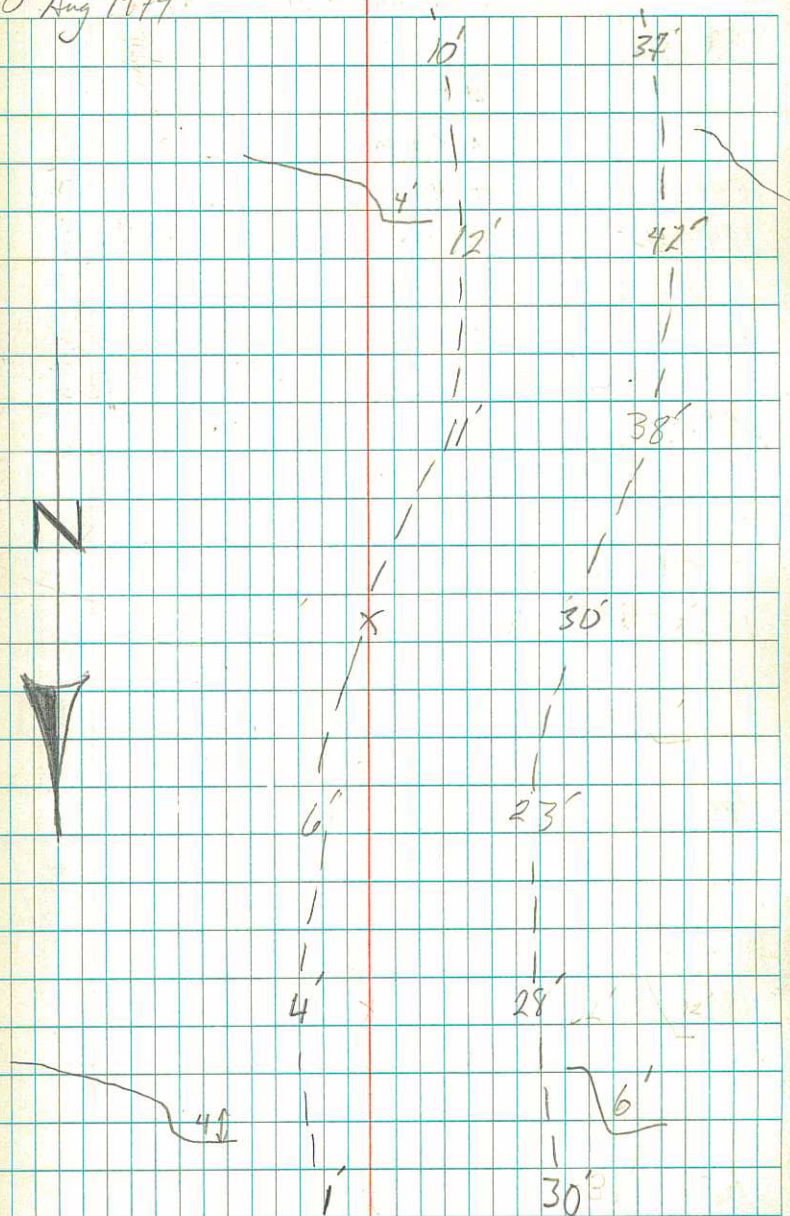
178

This P.I. should be
relocated 20' West.Design Note:

30 Aug 1974

35

N



36

Deflection LT RT

+50

3° 58'

LT*

A = 12° 19' 50"

T = 97.18'

~~184~~

184

R = 906' 2° 22'

L = 193.60'

D = 6° 21' 58"

+50

0° 47'

+25⁵¹ P.CDesign Note Move P.I.
10' East

183

+50

182

+52⁸⁰ P.T.

17° 36'

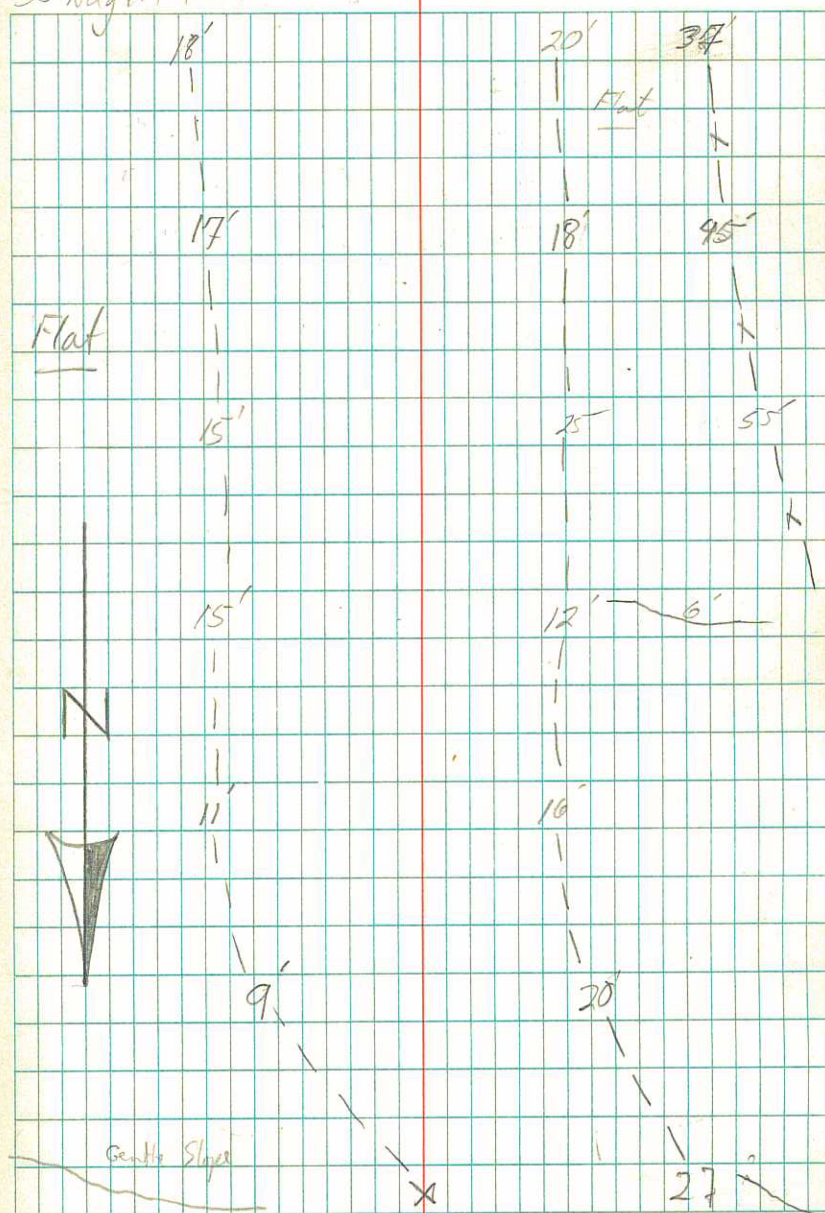
+50

17° 20'

PI → P.I = 365.09

30 Aug 1974

37



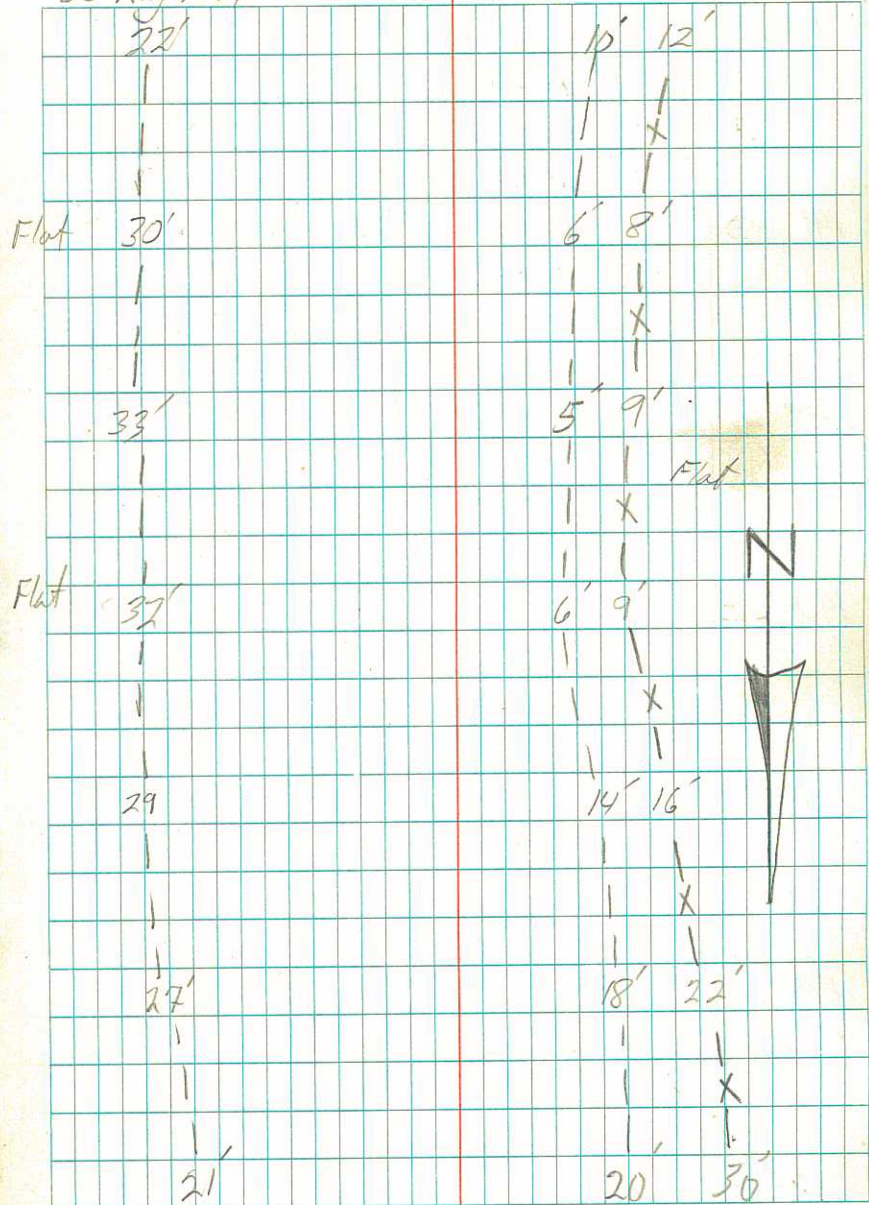
38	Deflection	Lt	Rt
188			
	PI → PI	345.69'	
+72 ⁴⁰	PT	7° 49'	
	Lt &		
+50	Δ = 15° 37' 15"	6° 32'	
	T = 68.58'		
	R = 500'		
	L = 136.32'		
187	D = 11° 27' 33"	3° 40'	
+50		0° 48'	
+36 ⁰⁸	P.C.		
186			
+50			
+19 ¹⁴	P.T.	6° 10'	
185		5° 33'	
	PI → PI	282.70	

Design Note:
Main P.T. 10' East.

9340-100

30 Aug 1974

159



40

+50

Deflection Lt Rt

Lt 6° 27'

$\Delta = 25^{\circ} 14' 15''$

T = 89.55'

R = 400'

191

L = 176.19' 2° 52'

D = 14° 19' 26"

+59⁹⁶ P.C.

+50

Design note,
Move PI 5' East,

190

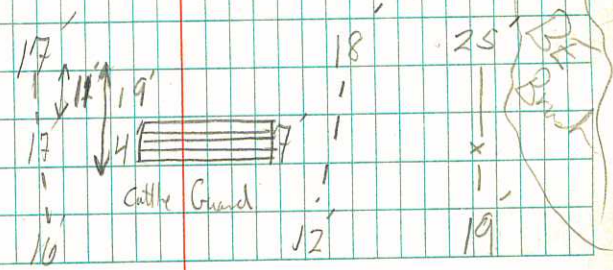
+50

189

+50

30 Aug 1974

41



9340-100

42

Deflection Lt Rt

195

+50

+11.97 P.T. PI → PI 404.15' 11° 07'

194

10° 16'

Rt →

 $\Delta = 22^\circ 15' 00''$ $T = 78.66'$

+50

R=400

6° 41'

L=155.33'

D=14° 19' 26''

193

3° 06'

+156.64 PC

+50

+36.15 PT

12° 37'

192

10° 02'

PI → PI 188.70'

43

44

Deflection

Lt

Rt

+50

+33³⁶ P.T.

11° 08'

198

9° 13'

PI → PI 324.58'

Rt 4

 $\Delta = 22^\circ 15' 45''$

+50

T = 98.38'

6° 21'

R = 500'

L = 194.28'

D = 11° 27' 33"

197

3° 29'

+50

0° 38'

+39⁰⁰ P.C.

196

+50

45

46

Deflection Lt Rt

202

PI -> PI = 405.95'

+50

+40⁹⁹

P.T.

9° 25'

Rt 2

Δ = 18° 56' 00"

201

T = 82.92'

7° 04'

R = 500'

L = 164.35'

D = 11° 27' 33"

+50

4° 12'

200

1° 20'

+76⁶⁴

P.C.

+50

199

48

Deflection

Lt

Rt.

+50

+34⁸¹ PT

8° 10'

PI - PI = 528.09'

Rt 4

205

$\Delta = 16^{\circ} 26' 10''$

6° 10'

T = 71.77'

R = 500'

L = 142.56'

+50

D = 11° 27' 33"

3° 19'

204

+92²⁵ P.C.

0° 27'

+50

203

202+50

50

Deflection

Lt

Rt

209

0° 17'

+90¹⁶

P.C.

+50

208

+50

207

+50

206

51

52

Deflection

Lt

Rt

+50

8° 29'

212

3° 42'

+61^{1/2}

P.C.

+50

211

PI → PI

281.58'

+91^{3/4}

P.T.

5° 46'

Lt →

Δ = 11° 31' 30"

+50

T = 100.92' 4° 35'

R = 1000'

L = 201.15'

D = 5° 43' 46"

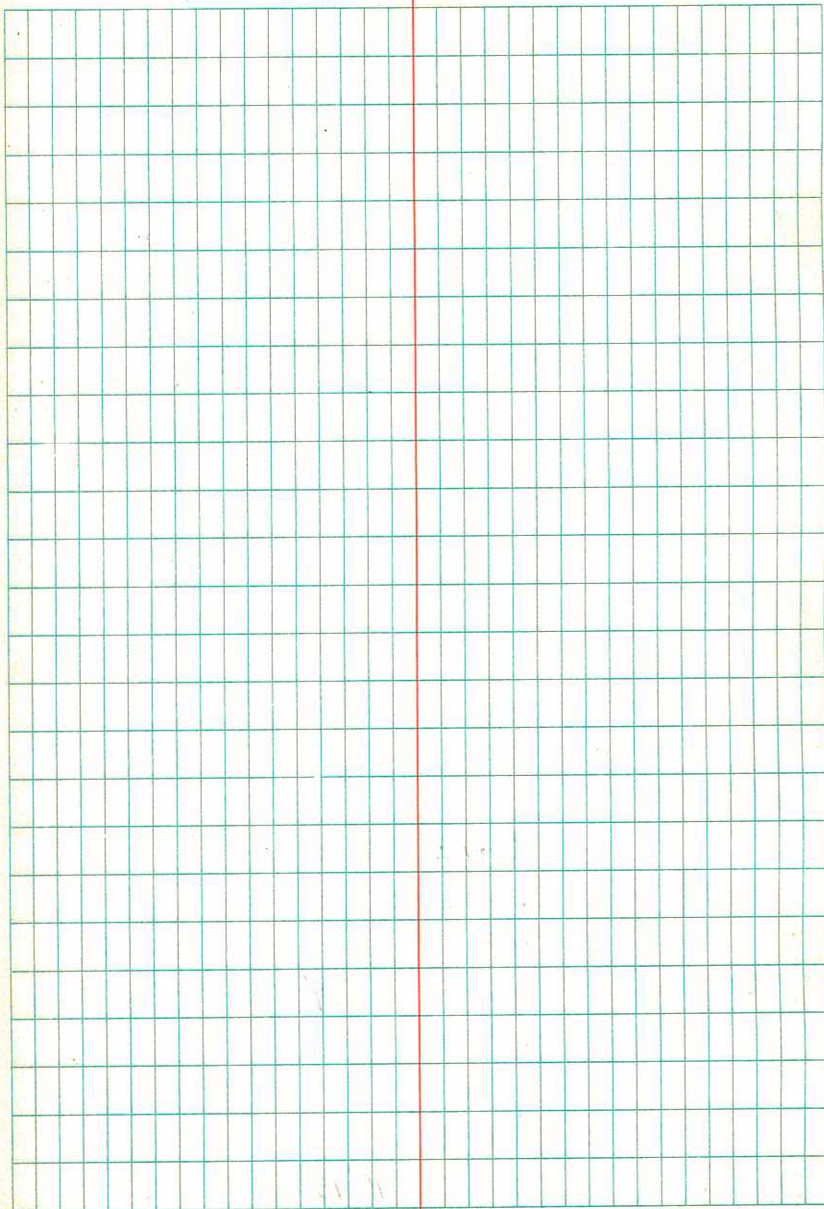
210

3° 09'

+50

1° 43'

53



54

Deflection

Lt

Rt

216

+50

215

+50

214

+73.44 P.T.

PI → PI 546.96'

20° 16'

Lt 7

+50

Δ 40° 32' 20" 18° 01'

T = 110.79'

R = 300'

L = 212.26'

213

D = 14° 05' 55" 13° 15'

55

56

Deflection Lt Rt

+50

219

+86³⁷ P.T.

15° 01'

P.I. → P.I. 430.10'

+50

Δ = 30° 01' 30" 11° 32'

T = 80.45'

R = 300'

L = 157.21

218

D = 19° 05' 55" 6° 46'

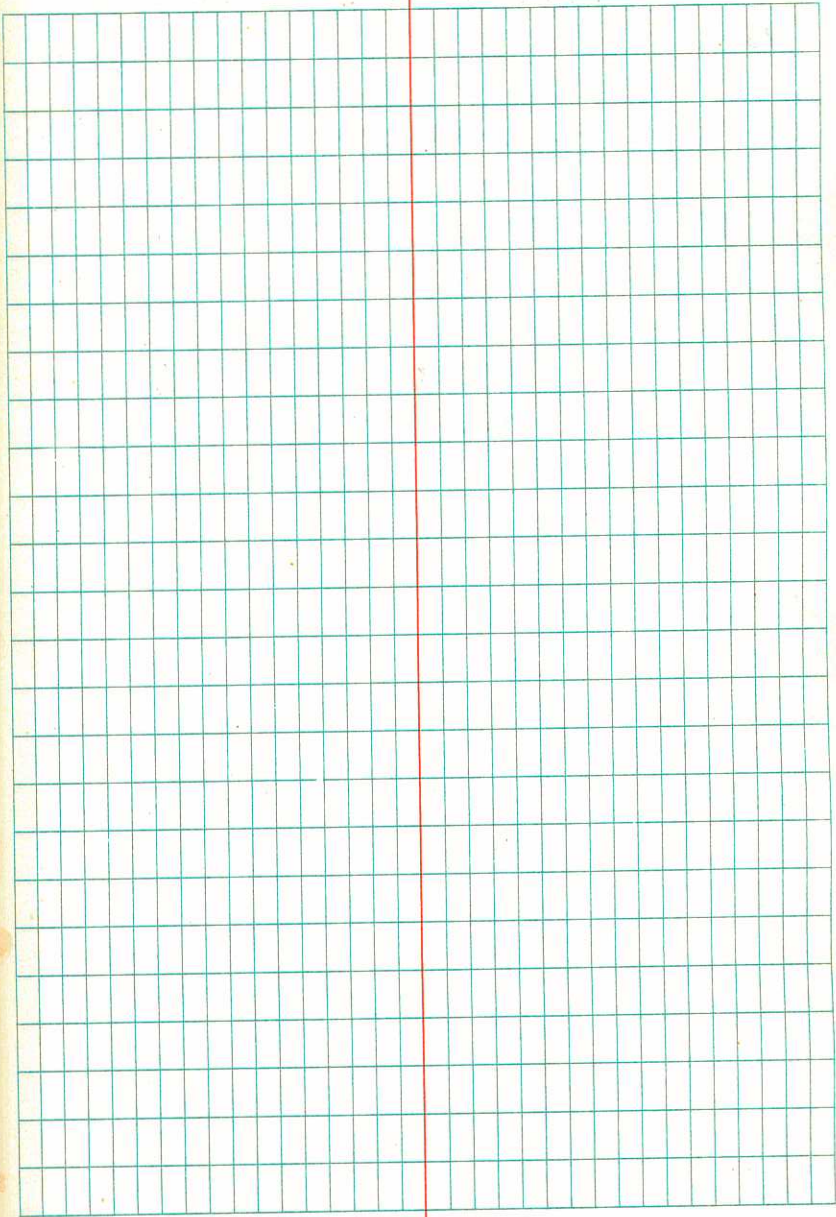
+50

1° 59'

+29¹⁶ P.C.

217

+50



58.

Deflection

LT

RT

223

12° 51'

PI → P.I. 217.98'

LT →

+50

Δ = 26° 28' 35" 8° 05'

T = 70.58'

R = 300'

L = 138.63'

222

D = 19° 05' 55" 3° 18'

+65⁻⁴⁴

P.C.

+50

221

+50

220

59

	Deflection	Lt	Rt
60			
+50		6° 25'	
+41 ²⁸	P.C.		

226

+50

+14.43	P.T.		12° 13'
225	P.I. → P.I.	262.58'	10° 50'

Rt*

Δ = 24° 25' 46"

T = 64.94'

+50

R = 300'

6° 04'

L = 127.90'

D = 19° 05' 55"

224

1° 17'

+86⁵³ P.C.

+50

+04⁰⁷ P.T.

13° 17'

62

Deflection

Lt

Rt

230

+50

229

+50

228

+82²²

P.T.

PI → PI 498.46'

6° 44'

Lt

+50

 $\Delta = 13^{\circ} 27' 30'' \quad 5^{\circ} 21'$

T = 70.79'

R = 600'

L = 140.94'

227

D = 9° 32' 57'' 2° 48'

63

64

Deflection

LT

RT

+50

+04⁴⁶

P.T

18° 46'

233

18° 20'

+50

PI → PI 1052.44'

13° 34'

RT ~~3~~

Δ = 37° 31' 30"

T = 101.91'

232

R = 300'

8° 47'

L = 196.48'

D = 19° 05' 55"

+50

4° 01'

+07⁹⁸

P.C.

231

+50

-65

66

237

+50

236

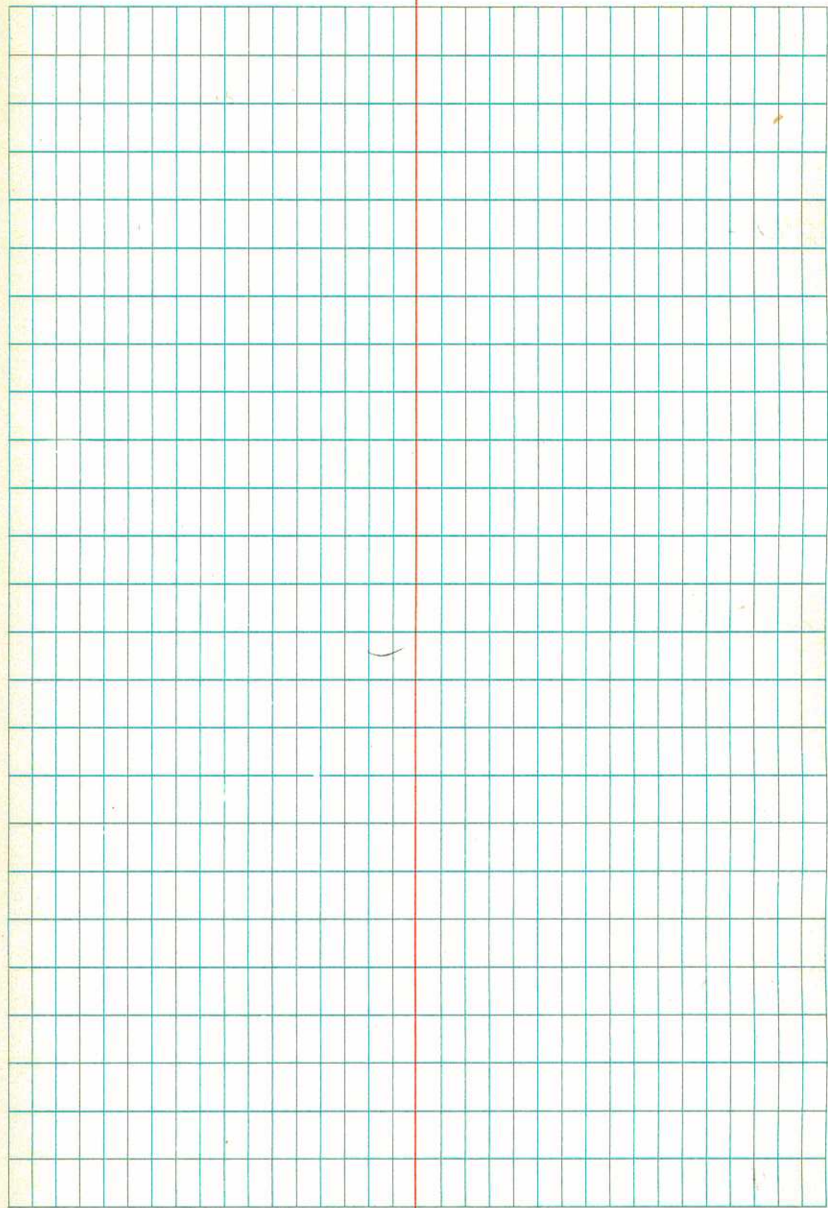
+50

235

+50

234

67



68

+50

240

+50

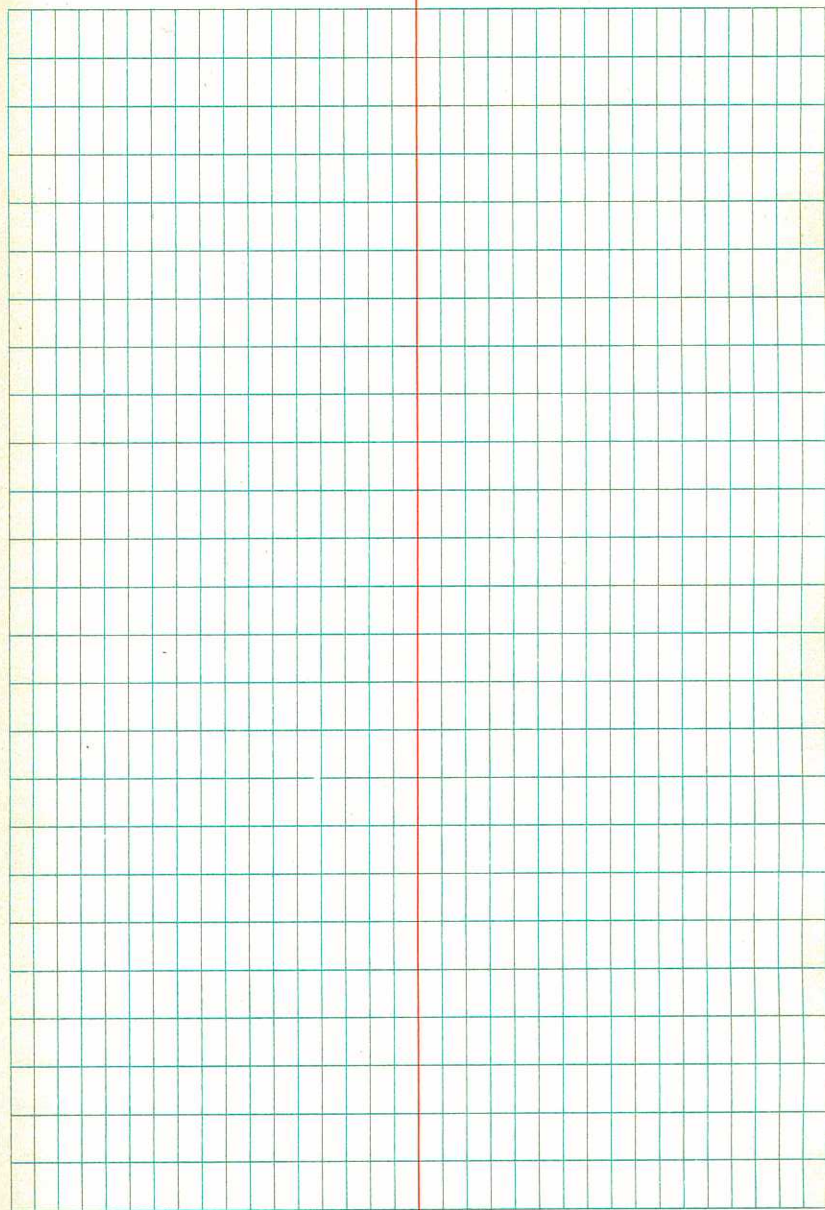
239

+50

238

+50

69



70

244

+73⁹¹ PT

2° 16' 20"

+50

2° 03'

243

1° 34'

+50

1° 05'

PI-PI 877.29'
RTA
Δ = 4° 32' 40"

T = 119.04'

242

R = 3000'

0° 37'

L = 237.96

D = 7° 54' 36"

+50

0° 08'

+35⁹⁵ P.C.

241

22

+50

247

+50

246

+50

245

+50

23

3 40-100

Deflection

Lt

Rt.

+50

254

+54⁶³

P.T

9°47'30"

+50

PJ → PI =

9°28'

LTA
Δ = 19°35'00"

T = 69.03'

R = 400'

253

L = 136.72'

5°53'

D = 14°19'26"

+50

2°18'

+17⁹¹

P.C.

+02⁹⁷

PT

13°48'

252

PI → PI

157.63'

13°31'

R+
Δ = 27°35'30"

T = 73.66'

R = 300'

+50

L = 144.47'

8°44'

D = 19°05'55"