

KEITH'S RAILROAD CURVE TABLES.

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HOW TO USE KEITH'S TABLES.

EXAMPLE.

Wanted a Curve with an Ext. of about 12 ft. Angle
of Intersection or I. P. = $23^{\circ} 20'$ to the R. at Station
542+72.

Ext. in Tab. IV opposite $23^{\circ} 20' = 120.87$

$120.87 \div 12 = 10.07$. Say a 10° Curve.

Tan. in Tab. IV opp. $23^{\circ} 20' = 1183.1$

$1183.1 \div 10 = 118.31$.

Tab. V correction for A. $23^{\circ} 20'$ for a 10° Cur. = 0.16
 $118.31 + 0.16 = 118.47 =$ corrected Tangent.

(If corrected Ext. is required find in same way)
Ang. $23^{\circ} 20' = 23.33^{\circ} \div 10 = 2.3383 =$ L. C.

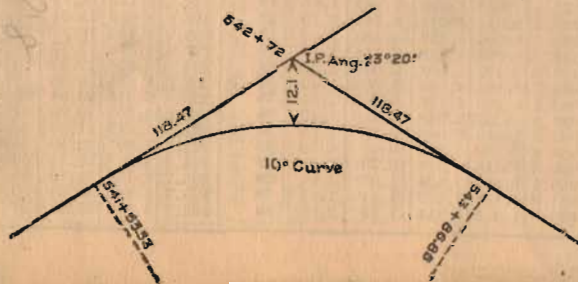
$2^{\circ} 19\frac{1}{2}' =$ def. for sta.	542	I. P. = sta.	542+72
$4^{\circ} 49\frac{1}{2}' =$ " " "	+50	Tan. =	1.18.47
$7^{\circ} 19\frac{1}{2}' =$ " " "	543	B. C. = sta.	541+53.53
$9^{\circ} 49\frac{1}{2}' =$ " " "	+50	L. C. =	2.33.33
$11^{\circ} 40' =$ " " "	543+	E. C. = Sta.	543+86.86
	86.86		

$100 - 53.53 = 46.47 \times 3' (\text{def. for 1 ft. of } 10^{\circ} \text{ Cur.}) = 139.41' =$
 $2^{\circ} 19\frac{1}{2}' =$ def. for sta. 542.

Def. for 50 ft. = $2^{\circ} 30'$ for a 10° Curve.

Def. for 36.86 ft. = $1^{\circ} 50\frac{1}{2}'$ for a 10° Curve.

(These tables are published in Field Books of
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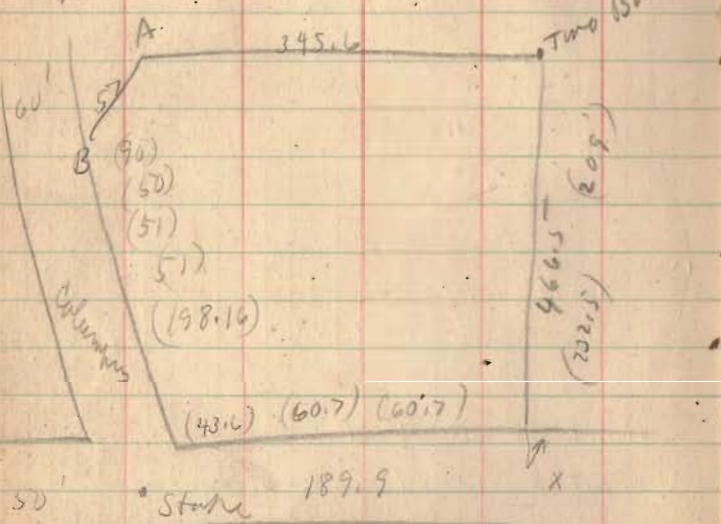


external

97.57
99.16
100.75
102.35
103.97
105.60
107.24
108.90
110.57
112.25
113.95
115.65
117.38
119.12
120.87
122.63
124.41
126.20
128.00
129.82
131.65
133.50
135.35
137.25
139.11
141.01
142.93
144.85
146.79
148.75
150.71
152.69
154.69
156.70
158.72
160.76
162.81
164.86
166.95
169.04
171.15
173.27
175.41
177.55
179.72
181.89
184.08
186.29
188.51
190.74
192.99
195.25
197.53
199.82
202.12
204.44
206.77
209.12
211.48
213.86

Breston Columbia Ry. Co. L.

Notes shown copied
from Nevell's Note book



Cap line I.P. 663.7 E of Pin at Col.

Dist. to Pole NE. 18.4

4" Army 3E.207

Cor. 3, Col. State Co. of Shanty. 44.9'

14" Walnut NE 58'-2" 12" Maple NW, 65

I.P. in Col. 1019.2' NW. of Pin at Shanty

S.W. cor. Col. Mills Home 59.8

Red Oak. 70.9

Cor B. 41' S.W. of cor. station S.W. cor. of home
34'-5" N.E. of 14" Maple Tree.

Cor. A. 45' N.W. of S.W. cor. of Station Jct.
33' N.W. of home