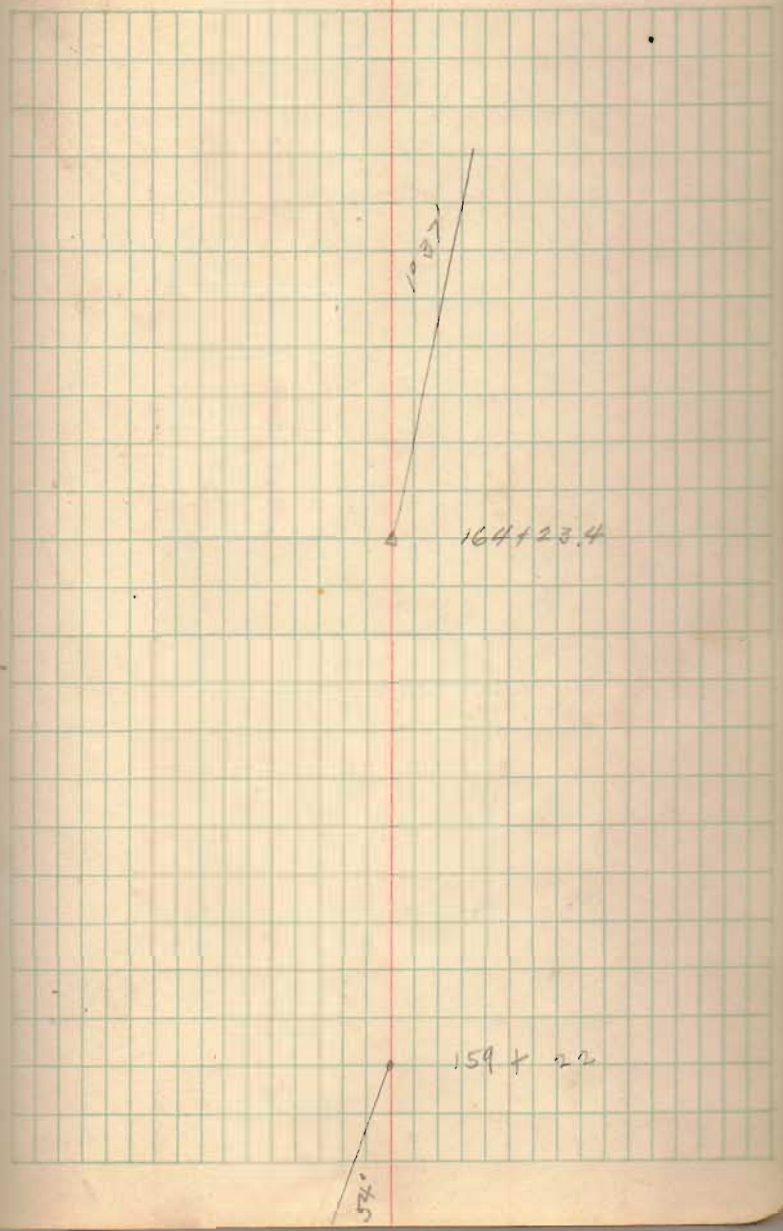
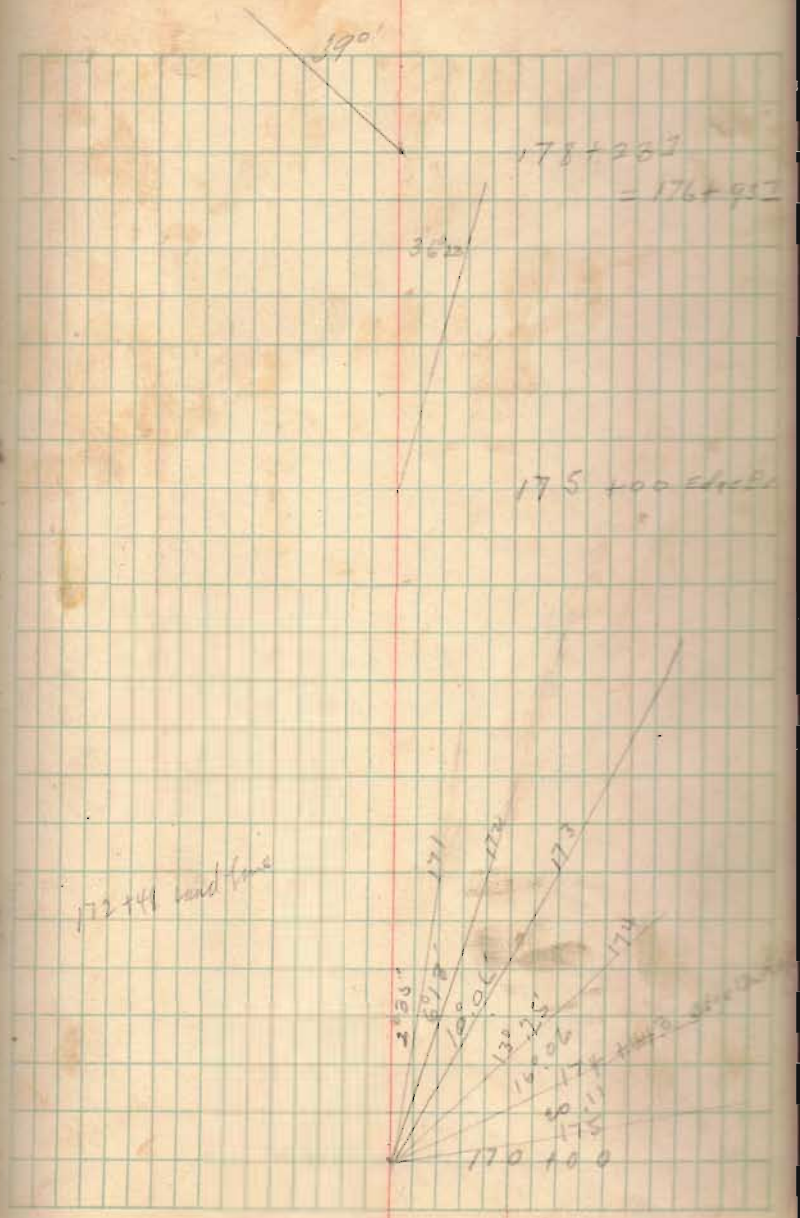

164+23.4
159+22
37'

Sta 174+31 2 ft south of North edge of water.

90° bits 41' South of Wedge of water 110' West

Mit 30' North of Wedge of water 95 East



I.C.H-130

	1932	E.K. Bridges	Hugh Baker	Richard Shuttz	Dwight Gossard	B.O. Downing	Chas. Downing	Ross Hatrin	Irvin Winters Jam
Tues	4/22	/	/		/	/	/	/	/
Wed	23	/	/	/	/	/	/	/	/
Thurs	24					/	/	/	/

Lunch	Paid By	Livery	Stakes	Work
40 995	Bridge			Monuments
458	"			130 Sec. D
			800-2X1 Logan Co.	130 " D
				130 " D

10+232 Bridge 208+50

					Grade
F.M. rail Dec. S.W.	~~105~~ 103.87	5.45		98.42	88.33
Br Floor		4.45		99.42	
East N		4.62		99.25	88.33
N West Main Stk		5.84		98.01	88.33
Channel		11.63		92.24	
nail in SE stump		7.25		96.62	88.33
P.I. Bot Ring.		3.87		100.00	

Cut.

10.09

10.92

9.68

7.29

100.74
4.45
105.19
5.45
99.74

2 6"
7 5"
10 5"

88.33
11.41
110.74
99.42
1.3

100
3.87
103.87

50' Girder Sta 173 + 31

	1.81		100.16		
	104.97				
NW		3.51	101.46	92.92	8.54
NE		3.82	101.15	92.92	8.23
SE		3.21	101.76	92.92	8.84
SW		3.28	101.69	92.92	8.77
		8.00	96.97		
Brace Posts.		0.32	104.65		
	0.75				
	104.90				
		5.54	99.36	92.92	6.44
	0.31	0.31			
	104.96				
		9.92	10.04		
	104.65				
	105.06		104.65		
		4.81	100.24	92.92	7.32
	104.90				
	05			92.92	
		4.84		9054	
		8.34		1	
		13.18		2.38	

96.97
92.92
4.05

104.90
11.45

93.45

105.05
92.92
12.13
7

0.34

105.00
12.71

92.29

Culvert 127+14

cent Rd	4.7
Ditch East	9.8
side Ditch E	9.0
side Ditch W	10.4

Culvert 30+42

Cent Rd	5.1
East	10.6
side Ditch E	9.4
Ditch W.	10.7

				Grade	Cut
C Rd	100 00	483 ✓	95.17		
East		8.80	91.20	91.70	
West		9.80	90.20		
Side Ditch W		9.29	90.71		
Top. West.		7.51	92.49		
Top. East		7.81	92.19		
stk East.		7.16	92.84	91.60	1.24
stk West		6.30	93.70	92.16	1.54

9 9"
9 9"

3.50
8.33

7.66
4.83
2.83

37
19
66
91.60
93.26

91.88
3.50
95.38

	108.09				
N.E Seat		4.95	103.14		
N.W seat		4.88	103.21		
S.W Seat		4.90	103.19		Make 103.18
S.E Seat		4.92	103.17		
B.M.	108.09	3.44		104.65	
Top of S.E Wing		2.51	105.58		
		7.41	set rail in piling		100.68

4.91
2.3
7.41

100

			Elev.	Grade	Cut & Fill
Top stake E	18'	6.37	93.63	92.39	C 1.24
Chain East		7.68	92.32	92.0	
Chain center		8.98	90.02	91.5	
Chain West		9.15	90.85	91.0	
Top West	23'	7.62	92.38	90.310	2.07
		49.8	95.07		

33/1.0 .033

69 13/3/39

KEITH'S RAILROAD CURVE TABLES.

Published by KEUFFEL & ESSER CO., New York.

HOW TO USE KEITH'S TABLES.

EXAMPLE.

Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20′ to the R. at Station 542+72.

Ext. in Tab. IV opposite 23° 20′ = 120.87
120.87 ÷ 12 = 10.07. Say a 10° Curve.

Tan. in Tab. IV opp. 23° 20′ = 1183.1
1183.1 ÷ 10 = 118.31.

Tab. V correction for A. 23° 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° 20′ = 23.33° ÷ 10 = 2.3333 = L. C.

2° 19½′ = def. for sta.	542	I. P. = sta.	542+72
4° 40½′ = " " "	+50	Tan. =	1.18.47
7° 19½′ = " " "	543	B. C. = sta.	541+53.53
9° 49½′ = " " "	+50	L. C. =	2.33.33
11° 40′ = " " "	543+ 86.86	E. C. = Sta.	543+86.86

100 − 53.53 = 46.47 × 3′ (def. for 1 ft. of 10° Cur.) = 139.41′ = 2° 19½″ = def. for sta. 542.

Def. for 50 ft. = 2° 30′ for a 10° Curve.

Def. for 36.86 ft. = 1° 50½′ for a 10° Curve.

(These tables are published in Field Books of KEUFFEL & ESSER Co., New York, N. Y.)