

STATE OF WISCONSIN
REPLY MESSAGE

FORM AD-16

To: Langlade County Surveyor
Langlade County Courthouse
200 Clermont St.
Antigo WI 54409

SUBJECT-MESSAGE

INSTRUCTIONS TO SENDER:

REMOVE YELLOW COPY FOR YOUR FILE.

SEND REMAINDER OF FORM INTACT WITH CARBONS TO PERSON ADDRESSED.

FROM: Ray Schewe
D.O.T. Box 177
Rhinelander, WI 54501

RECEIVED MAY 12 1992

Attached are copies of survey book #1169,
Job 3353 pages 43 thru 50 of job per your
request.

RBP

SIGNED _____ DATE 5-11-92

SIGNED _____

DATE _____

10433

RECORD *卷二*

GRADE COUNT

SURVEYORS OFFICE

DATED FILED: 12/13

14 BY D.T.

Works in front of 0 and $\frac{1}{2} \pi$,
 Assume $f(z) =$
 $\int_0^{\infty} e^{-zt} g(t) dt$ - ~~for real x~~.

Plot on 2 plots from 0 to 64 ①
and 6-9 to 118-120 ② set 26
Ditch line shows proposed resection.
Older wind paper so that elevation can
be plotted in its correct position i.e.
if left as flat plan top sheet & on sheet 2 plot
plan how part kept.

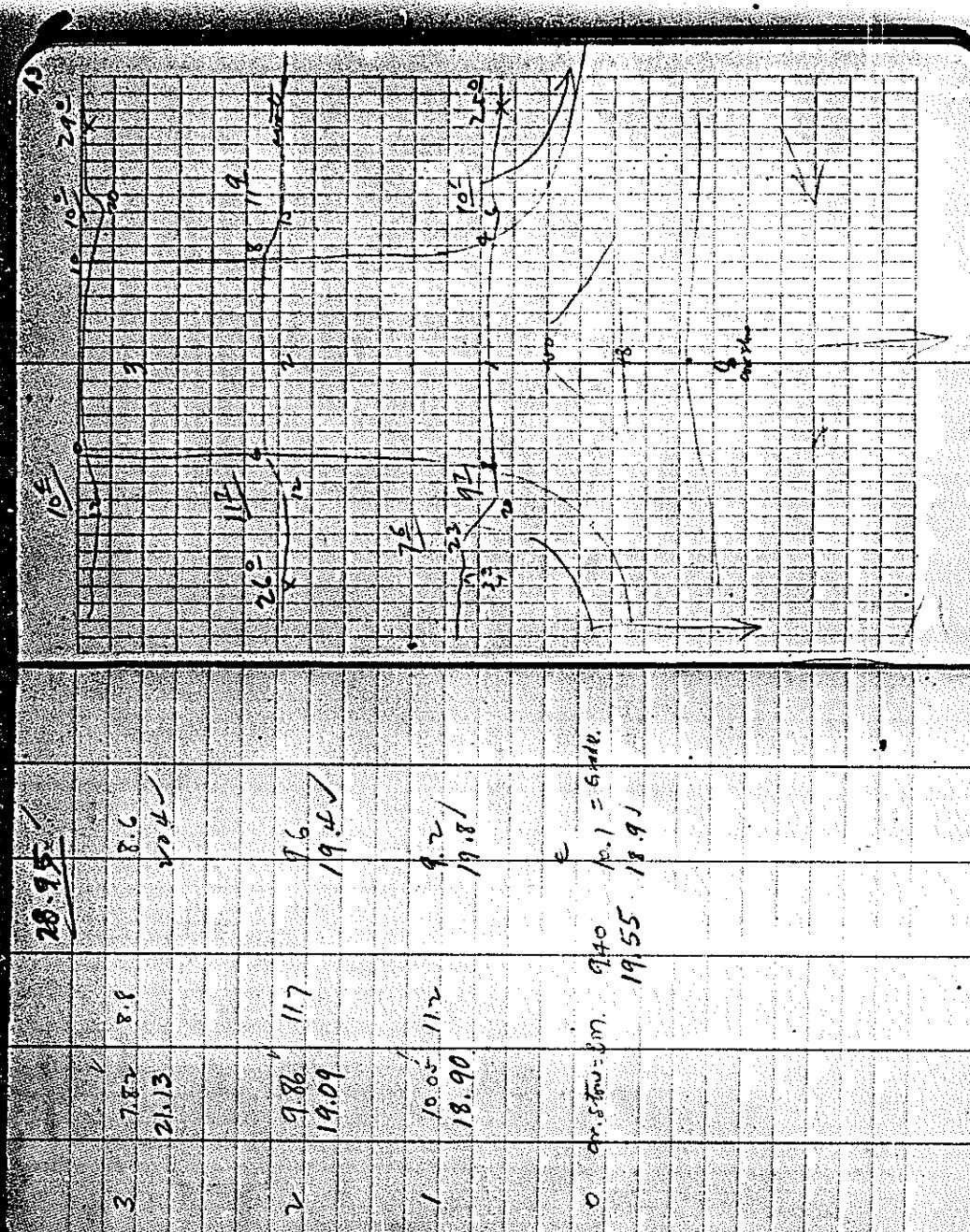
Mets ticket 4-24-17 - 15 min

卷之三

卷之三

卷之三

卷之三



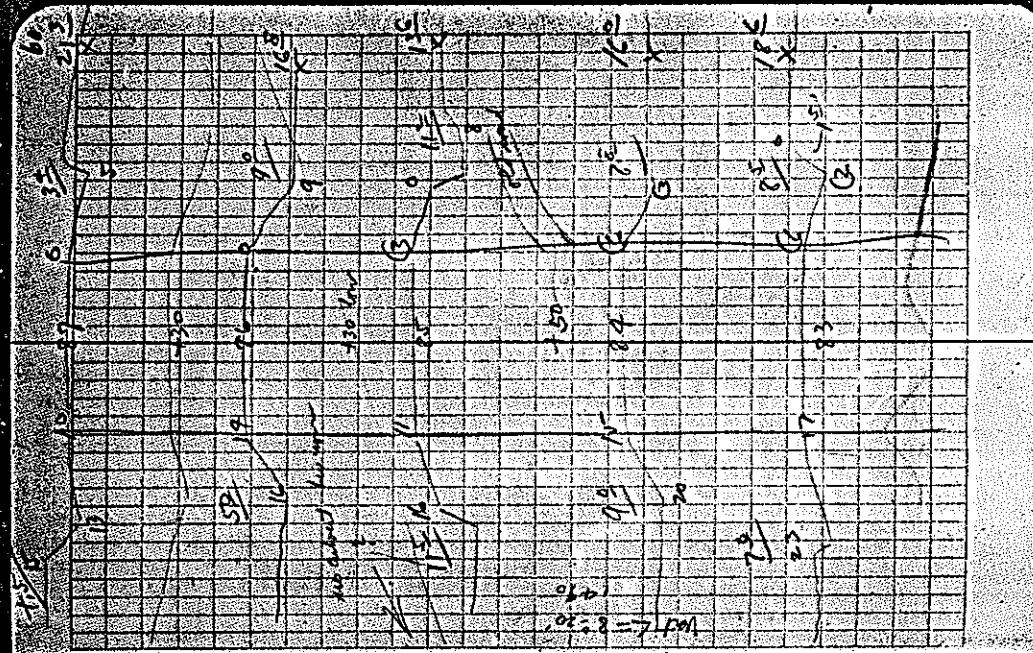
A graph showing the relationship between two variables, likely distance and time, plotted on a grid. The x-axis is labeled "Time" and the y-axis is labeled "Distance". Data points are plotted and connected by straight line segments. A vertical dashed line is drawn at Time = 10. A horizontal dashed line is drawn at Distance = 96.97. A diagonal dashed line is drawn from (0, 100) to (10, 96.97).

Time	Distance
0	100.00
1	99.99
2	99.97
3	99.94
4	99.90
5	99.85
6	99.80
7	99.74
8	99.67
9	99.59
10	99.50
11	99.39
12	99.27
13	99.14
14	99.00
15	98.85
16	98.69
17	98.52
18	98.34
19	98.15
20	97.95
21	97.74
22	97.52
23	97.29
24	97.05
25	96.80
26	96.54
27	96.27
28	96.00
29	95.71
30	95.41
31	95.09
32	94.76
33	94.42
34	94.07
35	93.71
36	93.34
37	92.96
38	92.57
39	92.17
40	91.76
41	91.34
42	90.91
43	90.47
44	90.01
45	89.54
46	89.06
47	88.57
48	88.07
49	87.56
50	87.04
51	86.51
52	85.97
53	85.42
54	84.86
55	84.29
56	83.71
57	83.12
58	82.52
59	81.91
60	81.29
61	80.66
62	80.02
63	79.37
64	78.71
65	78.04
66	77.36
67	76.67
68	76.00
69	75.30
70	74.59
71	73.87
72	73.14
73	72.40
74	71.65
75	70.89
76	70.11
77	69.32
78	68.52
79	67.70
80	66.87
81	66.02
82	65.15
83	64.27
84	63.37
85	62.45
86	61.52
87	60.57
88	59.61
89	58.63
90	57.64
91	56.63
92	55.61
93	54.58
94	53.54
95	52.48
96	51.41
97	50.32
98	49.21
99	48.09
100	46.95

A graph showing the relationship between two variables, likely representing a calibration curve. The x-axis is labeled '22.2' and the y-axis is labeled '22.2'. The data points are plotted as open circles and connected by straight lines. A vertical dashed line is drawn at approximately x = 10. A horizontal dashed line is drawn at approximately y = 10. A circle is drawn around the point (10, 10).

x	y
2.2	2.2
3.2	3.2
4.2	4.2
4.6	4.6
4.8	4.8
5.1	5.1
5.2	5.2
5.3	5.3
5.4	5.4
5.5	5.5
5.6	5.6
5.7	5.7
5.8	5.8
5.9	5.9
6.0	6.0
6.1	6.1
6.2	6.2
6.3	6.3
6.4	6.4
6.5	6.5
6.6	6.6
6.7	6.7
6.8	6.8
6.9	6.9
7.0	7.0
7.1	7.1
7.2	7.2
7.3	7.3
7.4	7.4
7.5	7.5
7.6	7.6
7.7	7.7
7.8	7.8
7.9	7.9
8.0	8.0
8.1	8.1
8.2	8.2
8.3	8.3
8.4	8.4
8.5	8.5
8.6	8.6
8.7	8.7
8.8	8.8
8.9	8.9
9.0	9.0
9.1	9.1
9.2	9.2
9.3	9.3
9.4	9.4
9.5	9.5
9.6	9.6
9.7	9.7
9.8	9.8
9.9	9.9
10.0	10.0
10.1	10.1
10.2	10.2
10.3	10.3
10.4	10.4
10.5	10.5
10.6	10.6
10.7	10.7
10.8	10.8
10.9	10.9
11.0	11.0
11.1	11.1
11.2	11.2
11.3	11.3
11.4	11.4
11.5	11.5
11.6	11.6
11.7	11.7
11.8	11.8
11.9	11.9
12.0	12.0
12.1	12.1
12.2	12.2
12.3	12.3
12.4	12.4
12.5	12.5
12.6	12.6
12.7	12.7
12.8	12.8
12.9	12.9
13.0	13.0
13.1	13.1
13.2	13.2
13.3	13.3
13.4	13.4
13.5	13.5
13.6	13.6
13.7	13.7
13.8	13.8
13.9	13.9
14.0	14.0
14.1	14.1
14.2	14.2
14.3	14.3
14.4	14.4
14.5	14.5
14.6	14.6
14.7	14.7
14.8	14.8
14.9	14.9
15.0	15.0
15.1	15.1
15.2	15.2
15.3	15.3
15.4	15.4
15.5	15.5
15.6	15.6
15.7	15.7
15.8	15.8
15.9	15.9
16.0	16.0
16.1	16.1
16.2	16.2
16.3	16.3
16.4	16.4
16.5	16.5
16.6	16.6
16.7	16.7
16.8	16.8
16.9	16.9
17.0	17.0
17.1	17.1
17.2	17.2
17.3	17.3
17.4	17.4
17.5	17.5
17.6	17.6
17.7	17.7
17.8	17.8
17.9	17.9
18.0	18.0
18.1	18.1
18.2	18.2
18.3	18.3
18.4	18.4
18.5	18.5
18.6	18.6
18.7	18.7
18.8	18.8
18.9	18.9
19.0	19.0
19.1	19.1
19.2	19.2
19.3	19.3
19.4	19.4
19.5	19.5
19.6	19.6
19.7	19.7
19.8	19.8
19.9	19.9
20.0	20.0
20.1	20.1
20.2	20.2
20.3	20.3
20.4	20.4
20.5	20.5
20.6	20.6
20.7	20.7
20.8	20.8
20.9	20.9
21.0	21.0
21.1	21.1
21.2	21.2
21.3	21.3
21.4	21.4
21.5	21.5
21.6	21.6
21.7	21.7
21.8	21.8
21.9	21.9
22.0	22.0
22.1	22.1
22.2	22.2
22.3	22.3
22.4	22.4
22.5	22.5
22.6	22.6
22.7	22.7
22.8	22.8
22.9	22.9
23.0	23.0
23.1	23.1
23.2	23.2
23.3	23.3
23.4	23.4
23.5	23.5
23.6	23.6
23.7	23.7
23.8	23.8
23.9	23.9
24.0	24.0
24.1	24.1
24.2	24.2
24.3	24.3
24.4	24.4
24.5	24.5
24.6	24.6
24.7	24.7
24.8	24.8
24.9	24.9
25.0	25.0
25.1	25.1
25.2	25.2
25.3	25.3
25.4	25.4
25.5	25.5
25.6	25.6
25.7	25.7
25.8	25.8
25.9	25.9
26.0	26.0
26.1	26.1
26.2	26.2
26.3	26.3
26.4	26.4
26.5	26.5
26.6	26.6
26.7	26.7
26.8	26.8
26.9	26.9
27.0	27.0
27.1	27.1
27.2	27.2
27.3	27.3
27.4	27.4
27.5	27.5
27.6	27.6
27.7	27.7
27.8	27.8
27.9	27.9
28.0	28.0
28.1	28.1
28.2	28.2
28.3	28.3
28.4	28.4
28.5	28.5
28.6	28.6
28.7	28.7
28.8	28.8
28.9	28.9
29.0	29.0
29.1	29.1
29.2	29.2
29.3	29.3
29.4	29.4
29.5	29.5
29.6	29.6
29.7	29.7
29.8	29.8
29.9	29.9
30.0	30.0
30.1	30.1
30.2	30.2
30.3	30.3
30.4	30.4
30.5	30.5
30.6	30.6
30.7	30.7
30.8	30.8
30.9	30.9
31.0	31.0
31.1	31.1
31.2	31.2
31.3	31.3
31.4	31.4
31.5	31.5
31.6	31.6
31.7	31.7
31.8	31.8
31.9	31.9
32.0	32.0
32.1	32.1
32.2	32.2
32.3	32.3
32.4	32.4
32.5	32.5
32.6	32.6
32.7	32.7
32.8	32.8
32.9	32.9
33.0	33.0
33.1	33.1
33.2	33.2
33.3	33.3
33.4	33.4
33.5	33.5
33.6	33.6
33.7	33.7
33.8	33.8
33.9	33.9
34.0	34.0
34.1	34.1
34.2	34.2
34.3	34.3
34.4	34.4
34.5	34.5
34.6	34.6
34.7	34.7
34.8	34.8
34.9	34.9
35.0	35.0
35.1	35.1
35.2	35.2
35.3	35.3
35.4	35.4
35.5	35.5
35.6	35.6
35.7	35.7
35.8	35.8
35.9	35.9
36.0	36.0
36.1	36.1
36.2	36.2
36.3	36.3
36.4	36.4
36.5	36.5
36.6	36.6
36.7	36.7
36.8	36.8
36.9	36.9
37.0	37.0
37.1	37.1
37.2	37.2
37.3	37.3
37.4	37.4
37.5	37.5
37.6	37.6
37.7	37.7
37.8	37.8
37.9	37.9
38.0	38.0
38.1	38.1
38.2	38.2
38.3	38.3
38.4	38.4
38.5	38.5
38.6	38.6
38.7	38.7
38.8	38.8
38.9	38.9
39.0	39.0
39.1	39.1
39.2	39.2
39.3	39.3
39.4	39.4
39.5	39.5
39.6	39.6
39.7	39.7
39.8	39.8
39.9	39.9
40.0	40.0
40.1	40.1
40.2	40.2
40.3	40.3
40.4	40.4
40.5	40.5
40.6	40.6
40.7	40.7
40.8	40.8
40.9	40.9
41.0	41.0
41.1	41.1
41.2	41.2
41.3	41.3
41.4	41.4
41.5	41.5
41.6	41.6
41.7	41.7
41.8	41.8
41.9	41.9
42.0	42.0
42.1	42.1
42.2	42.2
42.3	42.3
42.4	42.4
42.5	42.5
42.6	42.6
42.7	42.7
42.8	42.8
42.9	42.9
43.0	43.0
43.1	43.1
43.2	43.2
43.3	43.3
43.4	43.4
43.5	43.5
43.6	43.6
43.7	43.7
43.8	43.8
43.9	43.9
44.0	44.0
44.1	44.1
44.2	44.2
44.3	44.3
44.4	44.4
44.5	44.5
44.6	44.6
44.7	44.7
44.8	44.8
44.9	44.9
45.0	45.0
45.1	45.1
45.2	45.2
45.3	45.3
45.4	45.4
45.5	45.5
45.6	45.6
45.7	45.7
45.8	45.8
45.9	45.9
46.0	46.0
46.1	46.1
46.2	46.2
46.3	46.3
46.4	46.4
46.5	46.5
46.6	46.6
46.7	46.7
46.8	46.8
46.9	46.9
47.0	47.0
47.1	47.1
47.2	47.2
47.3	47.3
47.4	47.4
47.5	47.5
47.6	47.6
47.7	47.7
47.8	47.8
47.9	47.9
48.0	48.0
48.1	48.1
48.2	48.2
48.3	48.3
48.4	48.4
48.5	48.5
48.6	48.6
48.7	48.7
48.8	48.8
48.9	48.9
49.0	49.0
49.1	49.1
49.2	49.2
49.3	49.3
49.4	49.4
49.5	49.5
49.6	49.6
49.7	49.7
49.8	49.8
49.9	49.9
50.0	50.0
50.1	50.1
50.2	50.2
50.3	50.3
50.4	50.4
50.5	50.5
50.6	50.6
50.7	50.7
50.8	50.8
50.9	50.9
51.0	51.0
51.1	51.1
51.2	51.2
51.3	51.3
51.4	51.4
51.5	51.5
51.6	51.6
51.7	51.7
51.8	51.8
51.9	51.9
52.0	52.0
52.1	52.1
52.2	52.2
52.3	52.3
52.4	52.4
52.5	52.5
52.6	52.6
52.7	52.7
52.8	52.8
52.9	52.9
53.0	53.0
53.1	53.1
53.2	53.2
53.3	53.3
53.4	53.4
53.5	53.5
53.6	53.6
53.7	53.7
53.8	53.8
53.9	53.9
54.0	54.0
54.1	54.1
54.2	54.2
54.3	54.3
54.4	54.4
54.5	54.5
54.6	54.6
54.7	54.7
54.8	54.8
54.9	54.9
55.0	55.0
55.1	55.1
55.2	55.2
55.3	55.3
55.4	55.4
55.5	55.5
55.6	55.6
55.7	55.7
55.8	55.8
55.9	55.9
56.0	56.0
56.1	56.1
56.2	56.2
56.3	56.3
56.4	56.4
56.5	56.5
56.6	56.6
56.7	56.7
56.8	56.8
56.9	56.9
57.0	57.0
57.1	57.1
57.2	57.2
57.3	57.3
57.4	57.4
57.5	57.5
57.6	57.6
57.7	57.7
57.8	57.8
57.9	57.9
58.0	58.0
58.1	58.1
58.2	58.2
58.3	58.3
58.4	58.4
58.5	58.5
58.6	58.6
58.7	58.7
58.8	58.8
58.9	58.9
59.0	59.0
59.1	59.1
59.2	59.2
59.3	59.3
59.4	59.4
59.5	59.5
59.6	59.6
59.7	59.7
59.8	59.8
59.9	59.9
60.0	60.0
60.1	60.1
60.2	60

TP.	5.91	29.46	11.46	23.55		
83	6.54	8.0				
84	28.47					
	7.77	9.2				
	21.69					
85	19.83		10.3			
86	7.97	9.3				
	21.49					
TP.	11.56	40.47	15.5			
87	12.55	5.7				
	47.92					
TP.	11.77	51.78	146	4001		
TP.	11.92	69.02	159	51.20		



12	3.68	4.9	6.8	7.8	9.2	10.5	12.2	14.0
13	6.12	6.9	7.9	7.12	7.1	7.5	8.4	9.6
14	6.48	7.9	7.1	7.1	7.4	7.9	8.7	9.6
15	7.212	7.2	7.1	7.1	7.2	7.2	7.2	7.2
16	7.4.65	7.4.65	7.4.65	7.4.65	7.4.65	7.4.65	7.4.65	7.4.65
17	4.81	7.9.33	4.07	7.4.52	4.8	7.4.52	4.8	7.4.52
18	3.25	5.1	4.8	4.8	5.1	4.8	5.1	4.8
19	75.68	75.68	75.68	75.68	75.68	75.68	75.68	75.68
20	3.03	4.2	3.03	4.2	3.03	4.2	3.03	4.2

23

62

Foothills Ranch

9.15

4.77

4.41

✓

3.7 ✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

63

Foothills Ranch

9.15

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

64

Foothills Ranch

9.15

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

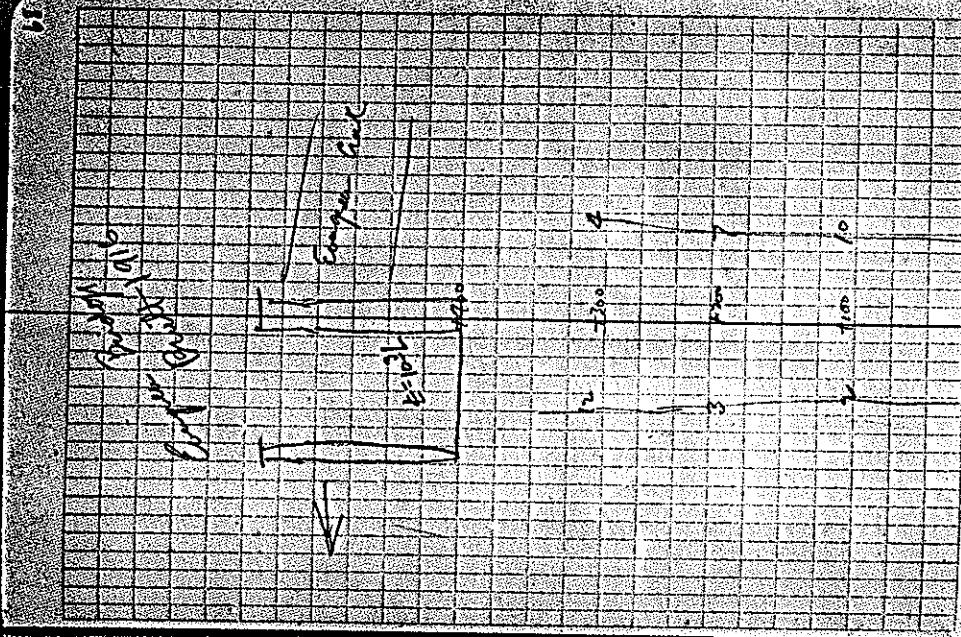
✓

✓

Reduction from
Set point 77 -
1st aff in T.L.
During 115 = 91°
" " 56° 5' /
Put this to the 91 or 120°
Total 2nd 13° 0' During 182° 34' //

But this to total 107 + 10 = odd 74.
↓ to 115 + 10
 $\frac{177}{35}$

Reduction = 3000'
Old Land = 3500'
New Surveying



1945/1946 - AFTON RD

(Gravel)

2 3 3 2 3

Part 1 - Gravel
1945/1946
G.T. - 1945/1946
E.J. - 1945/1946
F.J. - 1945/1946

5/12 1946 1/4 hr. dark tube

1900'

3942

1.40
82 3.1
36.31
34.1

83A 7.67 9.0 4.0 35.8

3.1 7.5 30.4 1

TfC

0.64 30.21 9.15 29.51

0.64 2.0 4.8 34.4 33.6

29.5 1 4.0 6.2 27.3

T.93 0.01 23.18 1.04 23.17

2.5 1.3 3.6 26.8 ✓

9.5A 0.01 1.3 3.6 26.8 ✓

23.17 21.91

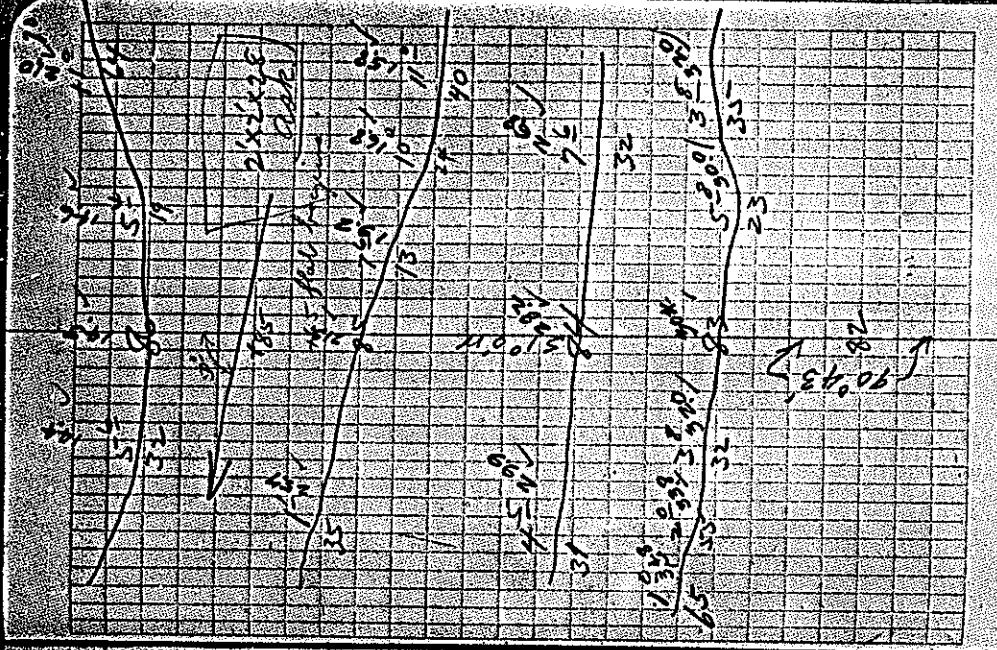
83A 7.54 7.7 4.9 20.0 ✓

7.5 6.4 7.7 4.9 19.6 ✓

cal 5.6 19.6 ✓

5.6 19.6 ✓

14.0



33/8

87R	3.82	5.3	5.6	2.00
	9.86	17.9		
<u>TP</u>	8.84	23.76	3.26	19.92
	10.00	15.5		
+ 2.0	9.84	18.81		
	9.92			

18R	6.25	7.4	5.0	27.51
	2.5	1.4		
<u>TP</u>	7.47	33.77	2.41	26.35

89R	7.42	9.6	4.2	30.41
	26.35	25.2		

90R	5.51	6.3	4.5	32.81
	28.26	27.5		

3377	1/7	3.94	5.1	4.9	340
	2/8	3.83	28.71		
TB	3/7	4.43	1.05	32.72	
	4/7	9.70	9.0	12.7	36.9
	5/7	32.72	32.4		
	6/7	36.74	34.7		
	7/7	37.51	36.3		
93A	8/7	5.18	6.7	5.9	41.31
	9/7	35.64	34.8	39.0	
94A	10/7	3.71	5.1	3.8	41.31
	11/7	35.78	34.6	35.9	
	12/7	35.64	34.8	34.0	

卷之三

10.57	5.40	6.3	34.2
10.27	2.7	2.9	1
			1

3562	144	434.6
1257	540	6.5
2027	291	1
		4

116A	4.42	5.6	352
	3.20	300.1	✓
			2280

110 1.24 32.40 54.6 30.6

11078 2124 30.9
11078 2124 30.9

30/6 29.5

卷之三

10.000 4.700 5.12 2720 2830 3680 3290 10.010 4.710 5.12 2720 2830 3680 3290

1.0 1.07 23.68 20.7

1.81 2368 10-51 2481
2481

0.947 6.20 7.2
1.25 7.481 10.5 19.3
1.25 7.481 10.5 19.3

0.96 15.38 9.20 14.48

卷之三

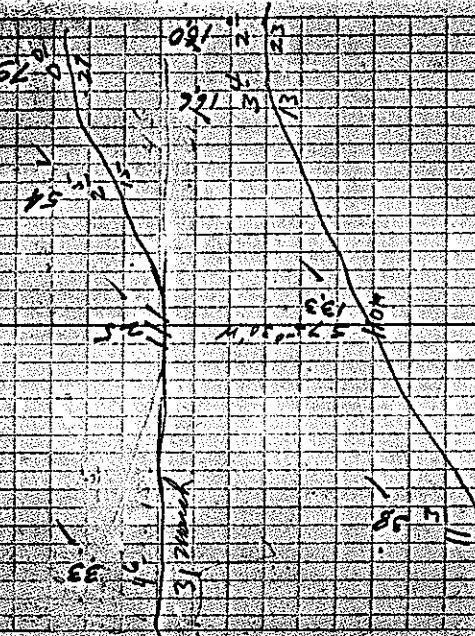
100

卷之三

卷之三

卷之三

Jan 1 29


1528	1530	1531	1532	1533	1534	1535	1536	1537	1538	1539	1540	1541	1542	1543	1544	1545	1546	1547	1548	1549	1550	1551	1552	1553	1554	1555	1556	1557	1558	1559	1560	1561	1562	1563	1564	1565	1566	1567	1568	1569	1570	1571	1572	1573	1574	1575	1576	1577	1578	1579	1580	1581	1582	1583	1584	1585	1586	1587	1588	1589	1590	1591	1592	1593	1594	1595	1596	1597	1598	1599	1600	1601	1602	1603	1604	1605	1606	1607	1608	1609	1610	1611	1612	1613	1614	1615	1616	1617	1618	1619	1620	1621	1622	1623	1624	1625	1626	1627	1628	1629	1630	1631	1632	1633	1634	1635	1636	1637	1638	1639	1640	1641	1642	1643	1644	1645	1646	1647	1648	1649	1650	1651	1652	1653	1654	1655	1656	1657	1658	1659	1660	1661	1662	1663	1664	1665	1666	1667	1668	1669	1670	1671	1672	1673	1674	1675	1676	1677	1678	1679	1680	1681	1682	1683	1684	1685	1686	1687	1688	1689	1690	1691	1692	1693	1694	1695	1696	1697	1698	1699	1700	1701	1702	1703	1704	1705	1706	1707	1708	1709	1710	1711	1712	1713	1714	1715	1716	1717	1718	1719	1720	1721	1722	1723	1724	1725	1726	1727	1728	1729	1730	1731	1732	1733	1734	1735	1736	1737	1738	1739	1740	1741	1742	1743	1744	1745	1746	1747	1748	1749	1750	1751	1752	1753	1754	1755	1756	1757	1758	1759	1760	1761	1762	1763	1764	1765	1766	1767	1768	1769	1770	1771	1772	1773	1774	1775	1776	1777	1778	1779	1780	1781	1782	1783	1784	1785	1786	1787	1788	1789	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	18010	18011	18012	18013	18014	18015	18016	18017	18018	18019	18020	18021	18022	18023	18024	18025	18026	18027	18028	18029	18030	18031	18032	18033	18034	18035	18036	18037	18038	18039	18040	18041	18042	18043	18044	18045	18046	18047	18048	18049	18050	18051	18052	18053	18054	18055	18056	18057	18058	18059	18060	18061	18062	18063	18064	18065	18066	18067	18068	18069	18070	18071	18072	18073	18074	18075	18076	18077	18078	18079	18080	18081	18082	18083	18084	18085	18086	18087	18088	18089	18090	18091	18092	18093	18094	18095	18096	18097	18098	18099	180100	180101	180102	180103	180104	180105	180106	180107	180108	180109	180110	180111	180112	180113	180114	180115	180116	180117	180118	180119	180120	180121	180122	180123	180124	180125	180126	180127	180128	180129	180130	180131	180132	180133	180134	180135	180136	180137	180138	180139	180140	180141	180142	180143	180144	180145	180146	180147	180148	180149	180150	180151	180152	180153	180154	180155	180156	180157	180158	180159	180160	180161	180162	180163	180164	180165	180166	180167	180168	180169	180170	180171	180172	180173	180174	180175	180176	180177	180178	180179	180180	180181	180182	180183	180184	180185	180186	180187	180188	180189	180190	180191	180192	180193	180194	180195	180196	180197	180198	180199	180200	180201	180202	180203	180204	180205	180206	180207	180208	180209	180210	180211	180212	180213	180214	180215	180216	180217	180218	180219	180220	180221	180222	180223	180224	180225	180226	180227	180228	180229	180230	180231	180232	180233	180234	180235	180236	180237	180238	180239	180240	180241	180242	180243	180244	180245	180246	180247	180248	180249	180250	180251	180252	180253	180254	180255	180256	180257	180258	180259	180260	180261	180262	180263	180264	180265	180266	180267	180268	180269	180270	180271	180272	180273	180274	180275	180276	180277	180278	180279	180280	180281	180282	180283	180284	180285	180286	180287	180288	180289	180290	180291	180292	180293	180294	180295	180296	180297	180298	180299	180300	180301	180302	180303	180304	180305	180306	180307	180308	180309	180310	180311	180312	180313	180314	180315	180316	180317	180318	180319	180320	180321	180322	180323	180324	180325	180326	180327	180328	180329	180330	180331	180332	180333	180334	180335	180336	180337	180338	180339	180340	180341	180342	180343	180344	180345	180346	180347	180348	180349	180350	180351	180352	180353	180354	180355	180356	180357	180358	180359	180360	180361	180362	180363	180364	180365	180366	180367	180368	180369	180370	180371	180372	180373	180374	180375	180376	180377	180378	180379	180380	180381	180382	180383	180384	180385	180386	180387	180388	180389	180390	180391	180392	180393	180394	180395	180396	180397	180398	180399	180400	180401	180402	180403	180404	180405	180406	180407	180408	180409	180410	180411	180412	180413	180414	180415	180416	180417	180418	180419	180420	180421	180422	180423	180424	180425	180426	180427	180428	180429	180430	180431	180432	180433	180434	180435	180436	180437	180438	180439	180440	180441	180442	180443	180444	180445	180446	180447	180448	180449	180450	180451	180452	180453	180454	180455	180456	180457	180458	180459	180460	180461	180462	180463	180464	180465	180466	180467	180468	180469	180470	180471	180472	180473	180474	180475	180476	180477	180478	180479	180480	180481	180482	180483	180484	180485	180486	180487	180488	180489	180490	180491	180492	180493	180494	180495	180496	180497	180498	180499	180500	180501	180502	180503	180504	180505	180506	180507	180508	180509	180510	180511	180512	180513	180514	180515	180516	180517	180518	180519	180520	180521	180522	180523	180524	180525	180526	180527	180528	180529	180530	180531	180532	180533	180534	180535	180536	180537	180538	180539	180540	180541	180542	180543	180544	180545	180546	180547	180548	180549	180550	180551	180552	180553	180554	180555	180556	180557	180558	180559	180560	180561	180562	180563	180564	180565	180566	180567	180568	180569	180570	180571	180572	180573	180574	180575	180576	180577	180578	180579	180580	180581	180582	180583	180584	180585	180586	180587	180588	180589	180590	180591	180592	180593	180594	180595	180596	180597	180598	180599	180600	180601	180602	180603	180604	180605	180606	180607	180608	180609	180610	180611	180612	180613	180614	180615	180616	180617	180618	180619	180620	180621	180622	180623	180624	180625	180626	180627	180628	180629	180630	180631	180632	180633	180634	180635	180636	180637	180638	180639	180640	180641	180642	180643	180644	180645	180646	180647	180648	180649	180650	180651	180652	180653	180654	180655	180656	180657	180658	180659	180660	180661	180662	180663	180664	180665	180666	180667	180668	180669	180670	180671	180672	180673	180674	180675	180676	180677	180678	180679	180680	180681	180682	180683	180684	180685	180686	180687	180688	180689	180690	180691	180692	180693	180694	180695	180696	180697	180698	180699	180700	180701	180702	180703	180704	180705	180706	180707	180708	180709	180710	180711	180712	180713	180714	180715	180716	180717	180718	180719	180720	180721	180722	180723	180724	180725	180726	180727	180728	180729	180730	180731	180732	180733	18073

Grades	200 S.	B	B
31	81.4	87.4	B
32	81.4	91.87	6.0"
33	81.4	83.87	80.3"
34	81.4	83.87	B 1.1"
35	81.4	84.87	A 0.7"
36	93.0	89.6	B 1.3"
37	90.2	91.86	B 1.8"
38	91.8	92.95	B 1.2"
39	92.6	93.7	B 1.2"
40	93.4	95.7	B 1.9"
41	94.2	95.06	B 0.3"
42	95.0	95.83	B 0.10"
43	95.0	96.97	B 2.0"
44	96.6	96.90	B 2.5
45	93.3	94.93	B 1.5
46	93.3	94.97	B 0.4"
47	93.2	95.17	B 1.1"
48	94.0	96.43	B 2.5"
49	93.8	90.19	B 1.5"
50	83.6	85.27	B 1.6
51	78.4	80.55	B 2.8
52	73.2	73.2	B 0.5
53	68.0	69.1	A 0.1
54	64.8	64.71	B 4.11
55	51.6	51.95	B 1.5"
56			

KEITH'S RAILROAD CURVE TABLES

Published by KEUFFEL & ESSER CO., NEW YORK.

Blank Page

170-19

KEITH'S RAILROAD CURVE TABLES.

Published by KLEUFFEL & ESSER CO., New York.

Entered according to Act of Congress in the year 1882,
by W. Keithel & H. Fauer, in the office of the Librarian of Congress,
in Washington, D.C.
Copyright, 1892, by Keithel & Fauer Co.

HOW TO USE KEITH'S TABLES.

EXAMPLE.

Wanted a Curve with an Ext. of about 13 ft. Angle
of Intersection or I.P.—32° 30' to the R. at Station
521+72.

Ext. in Tab. IV opposite 32° 30' = 10.67

10.67 + 12 = 10.67. Say a 10° Curve.
Tab. IV opp. 32° 30' = 118.11

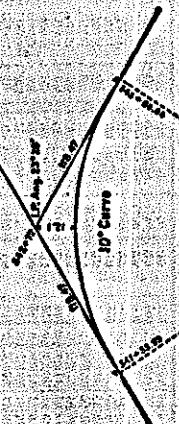
Tab. V correction for A 32° 30' for a 10° Curv. = -0.18

118.11 + (-0.18) = 118.93 = corrected tangent.

12' corrected Ext. is required find in same way

Ang. 32° 30' = 32.50 = 10.3282 L.G.

3° 19'	-def. for sta.	512	I. P. = sta.	532+72
6° 49'	"	513	Tan. =	1.18.47
7° 19'	"	514	B. C. = sta.	541+53.53
8° 49'	"	515	I. C. =	2.53.59
11° 49'	"	516	E. C. = sta.	542+58.86
100—512.53 = 48.4738 (def. for 1 ft. of 10° Curv.) = 132.47° =				
2° 109' added for sta. 512.				
Def. for 50 ft. = 2° 38' for a 10° Curve.				
Def. for 30.50 ft. = 1° 50' for a 10° Curve				
(These tables are published in Field Books of Kleuffel & Fauer Co., New York, N.Y.)				



DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTION
 Based on 100 ft. width of roadway
 For Single Track, Four Lane

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
1	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
2	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
3	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
4	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
5	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9
6	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9
7	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
8	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9
10	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9
11	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
12	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9
13	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9
14	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9
15	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9
16	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9
17	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9
18	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9
19	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9
20	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9
21	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9
22	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9
23	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9
24	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9
25	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9
26	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9
27	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9
28	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9
29	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9
30	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9
31	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9
32	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9
33	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9
34	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9
35	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9
36	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9
37	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9
38	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9
39	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9
40	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9
41	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9
42	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9
43	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9
44	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9
45	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9
46	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9
47	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9
48	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9
49	49.0	49.1	49.2	49.3	49.4	49.5	49.6	49.7	49.8	49.9
50	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9
51	51.0	51.1	51.2	51.3	51.4	51.5	51.6	51.7	51.8	51.9
52	52.0	52.1	52.2	52.3	52.4	52.5	52.6	52.7	52.8	52.9
53	53.0	53.1	53.2	53.3	53.4	53.5	53.6	53.7	53.8	53.9
54	54.0	54.1	54.2	54.3	54.4	54.5	54.6	54.7	54.8	54.9
55	55.0	55.1	55.2	55.3	55.4	55.5	55.6	55.7	55.8	55.9
56	56.0	56.1	56.2	56.3	56.4	56.5	56.6	56.7	56.8	56.9
57	57.0	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	57.9
58	58.0	58.1	58.2	58.3	58.4	58.5	58.6	58.7	58.8	58.9
59	59.0	59.1	59.2	59.3	59.4	59.5	59.6	59.7	59.8	59.9
60	60.0	60.1	60.2	60.3	60.4	60.5	60.6	60.7	60.8	60.9
61	61.0	61.1	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9

Calculated by John L. Hall, M. Am. Soc. C.E.

MADE IN GERMANY

Chart No. 1
 Metric Bridge - Sand
 100 mm
 7.105
 7.105



Chart No. 2
 Metal Bridge
 100 mm
 7.105

