3

LEVEL BOOK

373

X-SECTIONS

CHILLICOTHE ROAD
LEVELS
BAINBRIDGE TWP.
STA. 0+00 S.L. TWP.
STA. 146+47.75 BAINBRIDGE RD.

Sec D.

KEUFFEL & ESSER CO.

DRAWING MATERIALS
AND
SURVEYING INSTRUMENTS.
NEW YORK.

CHICAGO. ST. LOUIS. SAN FRANCISCO. MONTREAL.

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS SECTIONING.
ROADWAY 18 FEET WIDE. SIDE SLOPES 1½ TO 1.
FOR SINGLE TRACK EXCAVATION.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

5/9-1927

CHILLICOTHE ROAD LEVELS

L. M. Bobeau Consulting Engineer
355 The Arcade Cleveland Ohio
Asst D.S. Pearson
Feidler County Surveyor

Pgs 1-40

Property of Geauga County

U.S.G.S. B.M 1166.180
Aluminum plate on westerly
headwall Chillicothe Road
culvert just north of Chagrin
Falls Bainbridge Road.

Sta	B.S.	H.I.	F.S.	Elev
				1166.18
TP #1	11.16	1177.34	1.29	1176.05
TP 2	11.63	1187.68	0.52	1187.16
B.M. #1	8.36	1195.52	3.19	1192.33
TP #3			3.19	1192.33

Datum = 1166.180 U.S.G.S. B.M. South end west H. wall of North Culvert

(Maple E. Side Rd
B.M. 20d Spike in 20"
(200' N of Drive

Levels along Chillicothe Rd.
South of Bainbridge Diagonal Rd Peterjohn
Pearson
May 23, 1927

Sta	B.S.	H.I	F.S.	Elev.
				1166.190
T.P. #1	4.552	1170.732	2.252	1168.480
T.P. #2	2.450	1170.930	12.250	1158.680
B.M #15	2.665	1161.345	7.335	1154.010
T.P #3		1161.345	2.563	1158.782 ✓
B.M #14	8.740	1167.522	2.731	1164.791
T.P #4	2.743	1167.534	1.685	1159.849
B.M #13	1.717	1167.566	3.707	1163.859
T.P #5		1167.566	2.605	1164.961

Correct - Set

B.M. U.S.G.S. South End west
H. wall of North Culvert.

B.M. #15 X on N.W. Corner h. wall, culvert
west s.de Ch.ll.cothe Rd about
100' N.E. Schoolhouse.

B.M. #14 Spike in root of 18" Maple
West s.de Ch.llicothe Rd about 200'
South of S.T. Hall

B.M. #13 X on Granite boulder West s.de
ch.ll.cothe Rd.

Correct Set

Sta.	B.S.	H.I.	F.S.	Elev	
				1164.961	
B.M. #12	8.227	1173.188	3.434	1169.754	B.M. #12 Spike in root of 24" Elm East S. of Chillicothe Rd. opp. House with iron railings & cobble stone pillars.
T.P. #6	2.095	1171.849	12.661	1159.188	
T.P. #7	0.852	1160.040	12.664	1147.376	
TP #8	0.649	1148.025	11.045	1136.980	
T.P. #9	1.162	1138.142	10.296	1127.846	
B.M. #11	0.792	1128.638	6.537	1122.101	B.M. #11 N.W. Cor. N. Wall of culvert over creek E.S. Chillicothe Rd.
T.P. #10		1128.638	10.390	1118.248	
B.M. #10	1.645	1119.893	9.623	1110.270	B.M. #10 in stone Monument on Northerly Line of Lon Smith's property.
T.P. #11	10.359	1120.629	12.554	1108.075	

Correct Set

Sta	B.S.	H.I.	F.S.	Elev
				1108.075
TP 12	0.621	1108.696	12.415	1096.281
B.M. #9	0.825	1097.106	12.055	1085.051
TP 13	0.642	1085.693	12.838	1072.855
B.M. #8	1.697	1074.552	8.243	1066.809
B.M. #7	2.229	1068.538	11.732	1056.806
TP 14	3.531	1060.337	0.764	1059.573
TP 15	1.515	1067.088	0.250	1066.838
TP 16	12.509	1079.347	0.469	1078.878
TP 17	12.733	1091.611	0.386	1091.225

B.M. #9 Spike in root of 30" Willow east side of Chillocothe road opposite A.A. Smith + W.J. Smith house.

TP 13 Top iron pin at intersection Chillocothe road and road east.

B.M. #8 set on S.W. corner culvert on east side Chillocothe road

B.M. #7 set on N.W corner of bridge headwall, east side of chillocothe road 400 ft north of Maple view farm.

Correct Set

Sta	B.S.	H.I.	F.S	Elev
				1091.225
B.M.# 6	11.918	1103.143	1.310	1101.833
TP 18		1103.143	0.671	1102.472
TP 19	12.699	1115.171	0.030	1115.141
TP 20	11.534	1126.675	0.621	1126.054
TP 21	12.476	1138.530	1.140	1137.390
BM# 5	11.726	1149.116	6.355	1142.761
TP 22		1149.116	2.996	1146.120
BM# 4	7.138	1153.258	9.206	1144.052
TP 23	4.480	1148.532	12.52	1136.012

B.M# 6 Spike in root of 15" maple on S.W corner of Chillocothe and Geauga lake roads. intersection.

B.M# 5 On sidewalk end stone S.W. corner. 50ft west of house owned Fred Dietz

B.M# 4. east side Chillocothe road spike in 36" butternut Eggleston farm.

Correct Set

Sta	B.S	H.I.	F.S	Elev.
				1136.012
TP 24	0.320	1136.332	12.818	1123.514
BM#3	0.321	1123.835	11.633	1112.202
TP 25	1.702	1113.904	12.158	1101.746
TP 26	0.858	1102.604	12.619	1089.985
TP 27	0.000	1089.985	12.340	1077.645
BM#2	1.024	1078.669	3.185	1075.484
TP 28	0.120	1078.669	12.802	1065.867
TP 29	0.238	1066.105	11.820	1054.285
TP 30	0.140	1066.958	11.862	1056.816

BM#3 N.E. corner of west headwall chillicothe road 1000' north Patterson farm

BM#2 on east side Chillicothe road, spike in 18" butternut opposite R.F Hord farm.

Correct Set

Sta	B.S	H.I.	F.S.	Elev.
				1054.285
B.M. #1	0.485	1054.770	9.224	1045.546

B.M. 1 Spike in root of 36" forked elm tree on N.E corner chillicothe and road east along County line between Geauga & Portage counties.

Check levels from S.L. Geauga Co. north to U.S.G.S. B.M. CHILLICOTHE RD. and Bainbridge diagonal Rd.

Sta	BS	H.I.	F.S	Elev
Bm# 1				1045.546
TP	9.224	1054.770	0.485	1054.285
TP	11.679	1065.964	0.104	1065.860
BM # 2	12.830	1078.690	3.217	1075.473
TP		1078.690	0.075	1078.615
TP	13.095	1091.710	0.169	1091.541
TP	12.630	1104.171	0.442	1103.729
Bm# 3	9.695	1113.424	1.205	1112.219
TP	11.865	1124.084	0.501	1123.583
TP	12.863	1136.446	0.438	1136.008

Sta.	B.S.	H.I.	F.S.	Elev
				1136.008
B.M.#4	12.423	1148.431	4.392	1144.039
B.M.#5	8.170	1152.209	9.440	1142.769
TP	0.015	1142.784	12.744	1130.040
TP	0.121	1130.161	12.770	1117.391
TP	0.100	1117.491	13.002	1104.489
B.M.#6	0.857	1105.346	3.508	1101.838
TP	0.077	1101.915	12.872	1089.043
TP	0.692	1089.735	12.870	1076.865
TP	0.389	1077.254	11.365	1065.889

Sta.	B.S.	HI	F.S.	Elev
				1065.889
TP	1.040	1066.929	7.398	1059.531
B.M#7	1.889	1061.420	4.614	1056.806
B.M#8	10.791	1067.597	1.294	1066.303
TP	9.696	1075.999	1.420	1074.579
B.M.#9	11.444	1086.023	0.978	1085.045
TP	12.779	1097.824	0.371	1097.453
TP	12.152	1109.605	1.194	1108.411
B.M#10	12.947	1121.358	11.096	1110.262
TP	10.580	1121.358	1.909	1119.449

	B.S.	H.I.	F.S.	Elev
				1119.449
B.M.#11	11.200	1130.649	8.557	1122.092
TP		1130.649	0.168	1130.481
TP	12.462	1142.943	0.549	1142.394
TP	12.905	1155.299	0.800	1154.499
TP	13.064	1167.563	0.693	1166.870
B.M.#12	7.349	1174.219	4.460	1169.759
TP	3.434	1173.193	8.225	1164.968
B.M.#13	2.605	1167.573	3.708	1163.865
TP		1167.573	7.727	1159.846

	B.S.	H.I	F.S.	Elev.
				1159.846
B.M. #14	7.687	1167.533	2.734	1164.799
TP	2.703	1167.502	8.700	1158.802
B.M. #15	1.294	1160.096	6.074	1154.022
TP		1160.096	1.421	1158.675
TP	12.206	1170.881	2.400	1168.481
U.S.G.B.M.	2.305	1170.786	4.599	1166.187

℄ Grade on Chillicothe Rd.

Peterson C.F. 14
Pearson D.S.
June 6, 1927

	Sta	B.S	H.I	F.S.	Elev
B.M.#1					1045.55
		8.43	1053.98		
	0+00	6.5			1047.48
	1+00	5.6			1048.38
	2+00	4.7			1049.28
	3+00	3.2			1050.78
T.P.	4+00	0.8			1053.18
		10.18	1063.36		
	5+00	8.2			1055.16
	6+00	5.7			1057.66
	7+00	3.1	1063.36		1060.26
T.P.		0.21			1063.15
		12.69	1075.84		
	8+00	11.6			1064.24
	9+00	7.9			1067.94
	10+00	4.5			1071.34
B.M.#2	10+15	0.41			1075.43
	11+00	0.8			1075.04
T.P.		0.35			1075.49
		12.51	1088.00		
	12+00	9.9			1078.1
	13+00	7.2			1080.8

	Sta	B.S	H.I	F.S	Elev
	14+00	4.4	1088.00		1083.6
	15+00	1.4			1086.6
T.P.		0.21			1087.79
		10.90	1098.69		
	16+00	8.5			1090.19
	17+00	5.7			1093.0
	18+00	1.6			1097.1
T.P.		0.0			1098.69
		11.76	1110.45		
	19+00	5.1			1105.35
					1107.65
	20+00	2.8			
	20+15	1.9			1108.55

	Sta		H.I	Elev.
			1110.45	
	21+00	1.4		1109.05
	22+00	0.3		1110.15
T.P.		.01		1110.44
		12.25	1122.69	
B.M #3	22+25	10.5	Top. W.	1112.19
Culvert		13.8	C	1109.4
		15.7		1107.0
	23+00	10.9		1111.79
	24+00	8.6		1114.09
	25+00	5.0		1117.69
	26+00	0.7		1122.0
T.P.		.27		1122.42
		13.06	1135.48	

	Sta.	R.R.	H.I.	Elev
	27+00	8.0	1135.48	1127.5
	28+00	4.3		1131.2
	29+00	2.0		1133.5
T.P.		0.0		1135.48
		11.35	1146.83	
	30+00	10.7		1136.1
	31+00	7.3		1139.5
	32+00	3.2		1143.6
	33+00	2.4		1144.4
	34+00	1.5		1145.3
B.M #4	34+15	2.75		1144.08

	Sta	R R	HI	Elev
	35+00	0.0	1146.83	1146.83
T.P.		0.26		1146.57
		3.53	1150.10	
	35+50	1.7		1148.4
	36+00	1.8		1148.3
	37+00	2.8		1147.3
	38+00	3.9		1146.2
	39+00	4.9		1145.2 ✓
	40+00	5.2		1144.9
	41+00	6.6		1143.5 ✓
B.M #5	41+85	7.3		1142.80
	42+00	10.0		1140.1
T.P.		13.1		1137.00
		0.24	1137.24	
	43+00	0.5		1136.7
	44+00	4.8		1132.4
	45+00	10.4		1126.8
T.P.		12.93		1124.31
		0.53	1124.84	

	Sta.	R.R.	H.I		Elev
	46+00	4.8	1124.84		1120.0 ✓
	47+0	9.4			1115.4
T.P.		12.61			1112.23
		0.24	1112.47		
	48+0	0.9			1111.6
	49+0	4.6			1107.9
	50+0	8.0			1104.5
	51+0	10.8			1101.7
T.P.		12.94			1099.53
		2.35	1101.88		
	52+0	2.8			1099.1 ✓
B.M. #6	52+25	0.00			1101.88
	53+0	6.4			1095.5
	54+0	12.8			1089.1
T.P.		13.04			1088.84
		0.73	1089.57		
	55+0	7.9			1081.5
T.P.		12.67			1076.90
		0.78	1077.68		

	Sta.	R.R.	H.I		Elev.
	56+00	2.9	1077.68		1074.8 ✓
	57+0	7.6			1070.1
	58+0	10.8			1066.9
T.P.		12.91			1064.77
		1.74	1066.51		
	59+0	2.1			1064.4
	60+0	4.1			1062.4
	61+0	5.8			1060.7
	62+0	7.0			1059.5
	63+0	7.6			1058.9
culvert	63+21	7.7	Top 6.90 c 8.80 F.L. 10.00	1058.8	1059.6 1057.7 1056.5
	64+00	11.1			1055.4
	64+22.87	11.4			1055.1
	65+0	12.0			1054.5
T.P.		10.2			1056.31
		3.54	1059.85		
	66+0	4.1			1055.8
	67+0	4.5			1055.4

	Sta	R.R.	H.I.	Elev.
	68+00	5.1	1059.85	1054.8
Culvert	68+65	4.1		1055.8
B.M.#7	68+70	3.05	Top	1056.80
		5.00	"	1054.85
		9.00	F. line	1050.85
	69+00	4.2		1055.7
	70+00	2.4		1057.5
	71+00	1.2		1058.7
T.P.		0.13		1059.72
		9.81	1069.53	
	72+00	7.7		1061.8
	73+00	4.9		1064.6
	74+00	3.7		1065.8
B.M.#8	75+00	3.20	Top culvert	1066.33
	75+00	3.0		1066.53
Culvert	75+00	5.7	"	1063.8
		6.7	F. line	1062.8
	76+00	2.9		1066.6

	Sta	R.R.	H.I	Elev.
	77+00	1.7	1069.58	1067.8
T.P.		.01		1069.52
		12.10	1081.62	
	78+00	11.8		1069.8
	79+00	9.4		1072.2
	80+00	5.3		1076.3
	81+00	3.3		1078.3
	82+00	2.4		1079.2
Iron pipe	82+42	4.3	F.L.	1077.3
	83+00	0.7		1080.9
	84+00	0.3		1081.3
T.P.		0.00		1081.62
		10.88	1092.50	
	85+00	10.1		1082.4
B.M.#9	85+90	7.40		1085.10
	86+00	8.2		1084.3
	87+00	5.4		1087.1
	88+00	2.0		1090.5

	Sta.	R.R.	H.I.	Elev
T.P.		0.31	1092.50	1092.19
T.P.		12.15	1104.34	
	89+00	10.4		1093.9
	90+00	7.7		1096.6
	91+00	3.8		1100.5
	92+00	1.0		1103.3
T.P.		0.48		1103.86
		4.10	1107.96	
	92+58	3.1		1104.9
	93+00	4.2		1103.8
	94+00	5.7		1102.3
creek	94+00	11.1	F line	1096.9
	95+00	4.7		1103.3
B.M.#10	95+94			
	96+00	2.1		1105.9
T.P.		0.83		1107.13
		12.40	1120.13	

	Sta.	R.R	H.I	Elev
	97+00	9.5	1120.13	1110.6
	98+00	4.3		1115.8
	98+65	2.3		1117.8
	99+00	2.5		1117.6
	99+60	2.3		1117.8
	100+00	3.0		1117.1
	101+00	2.0		1118.1
T.P.		0.71		1119.42
		12.25	1131.67	
	102+00	10.00		1121.7
	102+60	9.9	Rd.	1121.8
B.M.#11	102+72	9.51	Top culvert + East	1122.16
		17.41	F. line	1114.3
		13.7	℄	1118.0
		10.4	Top of W/wall.	1121.3
	103+00	9.9		1121.8
	103+70	8.3		1123.4
	104+00	5.8		1125.9

	Sta	R.R.	H.I.	Elev
	105+0	2.0	1131.67	1129.5
T.P.		1.12		1130.55
		13.05	1143.60	
	106+0	11.0		1132.6
	107+0	5.2		1138.4
T.P.		0.44		1143.16
		12.56	1155.72	
	108+0	10.7		1145.0
	109+0	4.4		1151.3
	110+0	1.9		1153.8
T.P.		0.45		1155.27
		12.89	1168.16	
	111+0	10.7		1157.5
	112+0	5.3		1162.9
	113+0	2.6		1165.6
	114+0	0.2		1168.0
T.P.		0.45		1167.71
		5.19	1173.50	

	Sta.	R.R.	H.I	Elev
B.M #12	114+50	3.70	1173.50	1169.80
	115+0	4.0		1169.5
	116+0	3.9		1169.6
	117+0	5.7		1167.8
	118+0	7.1		1166.4
	119+0	8.7		1164.8
	120+0	9.6		1163.9
	121+0	10.6		1162.9
T.P. B.M #13	121+50	9.59		1163.91
		2.53	1166.44	
	122+0	4.8		1161.6
	123+0	4.7		1161.7
	124+0	4.8		1161.6
	125+0	4.7		1161.7
	126+0	3.5		1162.9
	127+0	2.2		1164.2
	128+0	1.9		1164.5
B.M. #14	128+25	1.64		1164.80
T.P.		2.76	1167.56	

	Sta	R.R.	H.I.	Elev
	129 to	3.5	1167.56	1164.1
	130 to	4.2		1163.4
	131 to	4.9		1162.7
	131+20	5.3		1162.3
	132 to	7.6		1160.0
	133 to	11.6		1156.0
T.P.		12.42		1155.14
		8.63	1163.77	
	134 to	10.0		1153.8
B.M # 15	134+86	9.7	W. Top	1154.07
culvert.	134+86	9.8	E. Top	1154.0
		9.8	Ground	1154.0
		12.2	℄	1151.6
		15.4	F. Line	1148.4
	135 to	9.5		1154.3
	136 to	8.0		1155.8
	137 to	5.1		1158.7
	138 to	0.2		1163.6

	Sta.	R.R.	H.I	Elev
T.P.		1.40	1163.77	1162.37
		11.85	1174.22	
	139 to	7.2		1167.0
	140 to	5.0		1169.2
	140+40	4.7		1169.5
	141 to	6.1		1168.1
	142 to	7.2		1167.0
	143 to	7.6		1166.6
	144 to	7.9		1166.3
	145 to	7.6		1166.6
	146 to	8.1		1166.1
	146+47.5	7.8		1166.4
U.S.G.S.	B.M.	7.95		1166.27

X-Sections Chillicothe Rd.

Peterjohn, C.F.
Pearson, O.S.
June. 7, 1927

W				℄			E
30	10	8		Sta. 0+00 ✓			30
1049.2	1046.3	1046.3		1047.48			1046.5
30	10	7	6	1+00 ✓	8	15	30
1048.4	1047.4	1046.4	1047.4	1048.4	1048.3	1046.9	1046.7
30	12	9	6	2+00 ✓	5	12	14
1050.9	1050.2	1049.2	1048.6	1049.3	1049.5	1048.9	1048.3
30	25	15	10	6	3+00 ✓	3	
1053.8	1052.6	1052.2	1050.8	1050.1	1050.8	1051.1	
	30		8	7	6	4+00 ✓	
	1053.2		1052.5	1052.0	1052.8	1053.2	
	30		8	7	6	5+00 ✓	
	1055.2		1055.0	1054.3	1054.9	1055.2	
30	10		8	6	6+00 ✓		
1055.00	1055.00		1056.3	1056.9	1057.7		

25	30						
1049.3	1050.6						
10	14	25	30				
1050.8	1049.6	1051.3	1051.3				
4	10	11	25	30			
1053.5	1052.0	1052.6	1052.2	1051.8			
3	9	10	11	30			
1055.5	1054.9	1053.9	1054.7	1054.7			
9	10	11	30				
1056.8	1056.1	1055.1	1055.4				

W			℄		E				
30	12	8	5	7+00 ✓	3	11	12	18	20	30
1061.3	1063.0	1060.0	1059.10	1060.30	1060.6	1059.7	1059.0	1059.5	1061.5	1062.2
	30	13	6	8+00 ✓	3	10	12	13	19	30
	1067.20	1066.10	1063.0	1064.20	1064.30	1063.30	1062.20	1063.20	1066.20	1067.0
	30	12	6	9+00 ✓	3	10	12	17	30	
	1069.6	1069.2	1067.3	1067.90	1068.20	1067.8	1066.6	1068.0	1069.2	
	30	13	6	10+00 ✓	3	9	12	21	30	
	1074.3	1072.3	1070.8	1071.3	1071.9	1071.3	1070.5	1073.3	1073.8	
30	11	7	5	11+00 ✓	3	12	20	30		
1078.0	1076.4	1074.0	1074.5	1075.0	1075.3	1074.1	1076.5	1077.0		
30	9 6	5	3	12+00 ✓	14	16	17	20	30	
1079.0	1079.3	1077.1	1077.4	1078.0	1077.8	1077.8	1077.6	1079.1	1079.1	
30	8	6	3	13+00 ✓	10	12	15	30		
1081.3	1081.4	1079.2	1080.4	1080.8	1080.8	1080.0	1080.5	1081.4		
30	6	5	2	14+00 ✓	5	12	14	30		
1084.5	1082.9	1082.4	1083.5	1083.6	1084.0	1082.8	1083.2	1084.6		
26	14	6	4	15+00 ✓	5	13	17	30		
1091.3	1090.6	1087.0	1085.5	1086.6	1086.1	1085.9	1084.5	1089.1		

W

				E
	30	8	4	16+00 ✓
	1091.6	1089.6	1090.2	1090.2
25	10	6	4	17+00 ✓
1094.0	1092.0	1092.3	1092.8	1093.0
26 13	6	4	3	18+00 ✓
1103.7 1099.6	1097.1	1096.3	1097.0	1097.1
		30	20	19+00 ✓
		1106.4	1105.4	1105.4
			30	20+00 ✓
			1109.9	1107.7
		20	11	20+15 ✓
		1110.5	1108.6	1108.6
		27	15	21+00 ✓
		1109.1	1108.1	1109.1
24+30 20	18	13	1 16	22+00 ✓
1110.2 1108.3	1108.1	1109.9	1110.8 1110.2	1110.2
	27		17 16	23+00 ✓
	1111.1		1111.4 1110.4	1111.8

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9	12	13	30	
1090.0	1089.0	1089.5	1089.4	
12	14	30		
1092.1	1092.5	1092.8		
3	12	14	20	27
1097.8	1096.6	1096.9	1098.6	1099.1
3	12	15	30	
1105.8	1105.4	1104.6	1105.2	
3	12	25	30	
1108.0	1104.1	1109.2	1109.0	
3	9	30		
1108.7	1108.5	1109.6		
12	30			
1109.0	1108.5			
9	12	30		
1110.0	1109.1	1108.5		
10	25			
1111.2	1110.0			

W			℄			E
28	30	15	24+00 ✓	10	30	
1119.1	1114.6	1113.4	1114.1	1113.5	1111.1	
	27	10	25+00 ✓	2	17	30
	1120.2	1116.9	1117.7	1117.8	1117.0	1118.7
27	13	1	26+00 ✓	3	15	18	30
1127.0	1124.6	1121.8	1122.0	1122.4	1121.6	1124.0	1124.4
27	11	9	27+00 ✓	3	15	17	30
1131.0	1128.5	1127.5	1127.5	1127.8	1126.9	1127.4	1128.0
	28	10	28+00 ✓	9	30	
	1133.2	1130.5	1131.2	1130.1	1129.7	
28	14	12	29+00 ✓	9	12	30
1134.2	1133.1	1132.3	1133.5	1132.5	1133.1	1134.5
28	17	12	30+00 ✓	9	13	30
1137.8	1137.5	1135.3	1136.1	1135.6	1137.3	1138.1
30	20	15	31+00 ✓	12	16	24
1141.9	1141.9	1139.5	1139.5	1138.7	1141.0	1141.5
25	17	10	32+00 ✓	10	17	25
1144.5	1144.5	1143.3	1143.6	1143.0	1143.1	1143.1

W			℄			E
	30	12	33+00 ✓	10	17	24
	1145.4	1143.8	1144.74	1143.4	1143.9	1143.4
	30	9	34+00 ✓	9	30	
	1146.7	1144.9	1145.3	1144.8	1144.3	
30	15	13	35+00 ✓	14	13	25
1149.3	1147.1	1146.4	1146.8	1146.3	1147.1	1147.3
30	19	15	35+50 ✓	12	15	30 ✓
1149.9	1148.4	1147.4	1148.4	1147.2	1148.0	1148.4
	30	12	36+00 ✓	12	15	25
	1149.3	1147.1	1148.3	1147.3	1147.1	1147.2
	30	15	37+00 ✓	12	25	
	1148.3	1146.3	1147.3	1146.7	1146.5	
30	23	18	38+00 ✓	12	25	
1146.6	1146.2	1145.2	1146.2	1145.1	1145.1	
	30	15	39+00 ✓	12	25	
	1145.6	1144.2	1145.2	1144.2	1144.5	
	28	19 15	40+00 ✓	6	7	25
	1144.9	1143.9 1144.6	1144.9	1143.7	1143.9	1144.1

W				℄
30	20	17		41+00 ✓
1144.5	1143.8	1142.0		1143.5
30	15	12		42+00 ✓
1141.8	1140.4	1138.5		1140.1
30	16	13	12	43+00 ✓
1137.2	1137.7	1135.2	1135.7	1136.7
30	16	13	11	10 3 44+00 ✓
1135.4	1133.9	1131.9	1131.4	1132.4 1132.9 1132.4
30	22	20		45+00 ✓
1129.8	1128.8	1127.2		1126.8
30	17	12	11	10 46+00 ✓
1121.0	1120.2	1119.7	1119.3	1119.7 1120.0
30	18	16	15	47+00 ✓
1115.4	1115.4	1114.4	1115.0	1115.4
30	20	7		48+00 ✓
1114.4	1114.4	1111.6		1111.6
30	15	12		49+00 ✓
1110.3	1107.6	1107.9		1107.9

E				
6	9	30		
1142.3	1143.5	1143.5		
9	11	30		
1139.3	1140.1	1141.5		
7	8	9	15	30
1135.8	1135.0	1135.7	1137.9	1137.9
21	25	30		
1133.1	1133.9	1133.9		
9	11	13	20	30
1126.4	1125.8	1126.8	1129.8	1130.1
10	12	15	25	30
1120.0	1119.3	1119.7	1122.0	1122.0
7	8	11	12	30
1115.3	1114.7	1114.5	1115.1	1114.0
11	15	30		
1110.5	1112.8	1111.6		
9	12	30		
1107.1	1109.2	1109.7		

W				℄
30	21	14	12	50+00 ✓
1106.3	1105.5	1103.5	1104.1	1109.5
		30	12	51+00 ✓
		1101.7	1101.0	1101.7
	30	12	10	52+00 ✓
	1096.4	1098.5	1099.1	1099.1
30	21	12	12	53+00 ✓
1091.0	1090.5	1093.5	1094.5	1095.5
27+30 20	16	14	13	54+00 ✓
1095.0 1096.7	1088.3	1087.3	1088.0	1089.1
27+28 20	15	14	9	55+00 ✓
1087.0 1083.5	1081.3	1080.5	1081.5	1081.5
	30	24	12	56+00 ✓
	1080.0	1079.8	1073.9	1074.8
30 ✓	19	17	9	57+00 ✓
1071.1	1070.6	1069.0	1069.5	1070.1
30	26	21	12	58+00 ✓
1067.5	1068.1	1065.8	1065.9	1066.9

			E	W	
9	11	12	30		
1103.9	1103.2	1104.0	1104.8		
10	11	30			
1100.6	1101.4	1100.5			
9	11	12	14	30	
1098.4	1097.5	1097.8	1099.1	1098.5	
15	19	30			
1094.3	1097.2	1097.5			
11	12	14	18	21	24
1087.6	1087.1	1089.1	1088.7	1092.5	1094.1
10	13	17	24	30	
1080.6	1079.4	1080.0	1085.3	1084.9	
12	16	28	25	30	
1073.3	1073.8	1075.8	1076.4	1076.8	
9	10	11	14	20	30
1068.9	1068.3	1069.6	1070.5	1071.1	1071.1
9	10+13	13	25	30	
1066.1	1065.3	1066.3	1067.0	1067.5	

W				℄
20 18	11	10	7	59+00 ✓
1064.4 1063.4	1063.2	1062.6	1063.8	1064.4
30	10	9	6	60+00 ✓
1061.4	1061.9	1060.4	1062.0	1062.4
30	13	11	9	61+00 ✓
1060.3	1059.6	1059.3	1060.4	1060.7
30	15	13+14	12	62+00 ✓
1059.5	1059.1	1058.6	1059.2	1059.5
30 21	17 18	16	15	63+00 ✓
1058.9 1057.9	1058.4	1057.6	1058.9	1058.9
30	24	23	2	64+00 ✓
1058.4	1058.9	1056.0	1056.2	1055.4
30 21	24	9	3	65+00 ✓
1056.5 1055.5	1058.0	1057.3	1056.3	1054.5
		30	15	66+00 ✓
		1053.5	1054.2	1055.8
25	17	13	14	67+00 ✓
1053.0	1053.4	1053.0	1053.4	1055.4

E				
1	8+9	9	30	
1063.6	1062.5	1063.5	1064.2	
8	9	10	25	30
1061.8	1061.2	1061.6	1059.9	1058.9
6	10	25	30	
1059.9	1060.0	1058.7	1058.2	
6	7+9	11	25	30
1059.3	1058.4	1058.8	1056.2	1057.7
2	4	20	30	
1058.9	1057.6	1057.8	1056.9	
6	39			
1056.1	1055.4			
1	15	30		
1055.3	1055.5	1055.6		
9	17	17	30	
1055.0	1053.7	1054.4	1054.3	
15	10 30	25	30	
1054.2	1053.2	1053.6	1053.0	

W			℄	E			W
27	9	8	68+00 ✓	3	15	16+21	21	30
1053.3	1054.1	1053.6	1054.8	1055.2	1053.8	1053.1	1053.9	1053.2
28 / 18	18	15+17	13	69+00 ✓	11	13	14	30
1054.2	1054.3	1053.7	1054.7	1055.7 ✓	1054.9	1054.2	1054.7	1053.6
	30	18	15	70+00 ✓	6	7	30	
	1057.4	1058.7	1056.3	1057.5 ✓	1056.0	1056.1	1056.9	
23 / 18	17	15	6	71+00 ✓	4	5	23 + 30	
1060.1 1059.1	1058.0	1058.7	1059.5	1058.7 ✓	1057.8	1058.7	1063.9	"
(30) 1063.7								
	21	20	9	72+00 ✓	2	4	13	30
30 / 1063.8	1061.8	1061.1	1062.8	1061.8 ✓	1060.7	1061.9	1064.8	1061.8
30 / 19	15	10	4	73+00 ✓	9	12	30	
1065.6 1065.2	1063.1	1064.2	1064.9	1064.6 ✓	1063.4	1065.2	1066.6	
	30	19	15	74+00 ✓	12+13	14	30	
	1066.8	1066.8	1064.3	1065.8 ✓	1064.5	1065.6	1067.6	
30	19	12+14	9	75+00 ✓	9	9	11	19	30
1065.0	1066.2	1064.1	1065.3	1066.5 ✓	1065.4	1066.0	1064.6	1065.0	1064.5
30	14	12+13	10	76+00 ✓	9	20	30		
1064.7	1066.2	1065.1	1065.8	1066.5 ✓	1066.6	1066.4	1069.5		

W				℄
30	18	14	12	77+00 ✓
1068.3	1068.0	1066.2	1067.3	1067.8 ✓
30	19	16	15	78+00 ✓
1071.3	1069.5	1068.2	1069.6	1069.8 ✓
30	25	20	18	79+00 ✓
1074.7	1072.2	1070.7	1071.7	1072.2 ✓
30 19 17	15	10	3	80+00 ✓
1075.2 1073.3	1073.8	1075.7	1076.5	1076.3 ✓
30 → 1077.0	23	18	15	81+00 ✓
30				
1078.2	1078.0	1076.3	1077.7	1078.3 ✓
	30	16	14	82+00 ✓
	1079.2	1079.1	1077.9	1079.2 ✓
30	14	13	10	83+00 ✓
1079.3	1080.1	1079.4	1080.4	1080.9 ✓
	30	14	12	84+00 ✓
	1080.1	1081.2	1080.3	1081.3 ✓
	30	14	12	85+00 ✓
	1081.0	1082.2	1080.9	1082.4 ✓

E				W	
5	6+98	9	30		
1067.4	1066.7	1067.4	1068.6		
5	6+98	9	30		
1069.3	1068.5	1069.5	1071.7		
3	6+98	9	13	19	30
1072.8	1071.4	1072.5	1072.8	1074.5	1075.7
12	13	18	20	30	
1076.7	1077.2	1077.1	1076.0	1079.3	
9	10	16	30		
1076.9	1077.8	1079.0	1080.8		
10	15	30			
1078.2	1078.7	1081.2			
7	8+12	15+12	20	25	
1079.8	1080.7	1078.9	1080.8	1081.5	
7	8+12	16+18	20	30	
1080.7	1081.5	1079.6	1083.1	1083.3	
7	8+12	14+16	20	25	30
1081.3	1082.6	1081.1	1083.9	1082.6	1083.7

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W				E				
30	13	11	1	86 +00 ✓	6	11	14	17	
1084.8	1083.3	1082.7	1084.4	1084.3 ✓	1083.8	1084.1	1083.5	1085.0	
	30	16	11	87 +00 ✓	9	10+13	13	18	30
	1088.6	1086.9	1086.0	1087.1 ✓	1086.5	1085.8	1086.7	1087.7	1089.7
30	13	10+12	9	88 +00 ✓	8	10	12	16	25	30
1091.1	1089.7	1089.3	1089.6	1090.5 ✓	1089.7	1088.8	1089.6	1090.4	1092.5	1092.9
30 17	11+12	10	3	89 +00 ✓	6	9	10	19	22	30
1094.6 1094.4	1092.4	1093.1	1094.1	1093.9 ✓	1093.3	1093.3	1093.0	1095.3	1097.4	1098.9
30	14	14	3	90 +00 ✓	11	8	9	23	30	
1097.0	1097.0	1096.3	1097.1	1096.6	1096.8	1095.8	1096.2	1099.6	1099.9	
27 17	12	12	9	91 +00 ✓	7	10	12	25	30	
1101.4 1100.8	1099.7	1098.9	1099.7	1100.5	1100.1	1099.1	1099.8	1103.3	1104.0	
30	18	16	6	92 +00 ✓	4	4	18	30		
1103.8	1103.7	1103.1	1103.8	1103.3	1103.0	1103.5	1106.7	1109.0		
	30	13	4	92+58 ✓	5	6	30			
	1104.8	1104.3	1105.3	1104.9	1103.8	1104.8	1107.5			
28 15	15	12	5	93 +00 ✓	3	4	14	30		
1105.1 1103.4	1103.1	1104.0	1104.4	1103.8	1103.2	1103.4	1107.2	1108.8		

W				℄	E						
30	25	10	10	3	94+00 ✓	6	10	30			
1097.4	1097.9	1100.0	1101.7	1102.4	1102.3	1100.9	1099.6	1099.8			
			30	12	95+00 ✓	11	12	25	30		
			1102.5	1101.9	1103.3	1102.3	1102.9	1101.5	1101.2		
27	18	15	12	3	96+ ✓	6	7	8	12	13	19	19	30
1106.8	1106.5	1104.4	1104.9	1106.0	1105.9	1105.0	1104.6	1105.6	1106.5	1107.9	1108.9	1109.9	1111.4
30		16	14	12	97+00 ✓	5	7	8	17	30			
1112.6		1111.5	1110.0	1110.6	1110.6	1109.9	1109.0	1110.0	1114.9	1115.9			
			26	15	98+00 ✓	3	5	8	19	30			
			1116.4	1114.7	1115.8	1115.5	1114.6	1116.6	1120.1	1120.7			
		27	16	12	98+65 ✓	6	8	30					
		1117.5	1117.9	1117.2	1117.8	1117.3	1118.2	1121.8					
		25	15	12	99+00 ✓	6	8	30					
		1117.0	1118.0	1117.0	1117.6	1116.9	1118.1	1122.5					
		30	22	15	99+60 ✓	18	30						
		1114.8	1116.3	1116.5	1117.8	1118.7	1120.5						
		30	10	9	100+00 ✓	11	15	16	30				
		1110.7	1116.7	1116.3	1117.1	1116.5	1116.1	1116.5	1119.6				

W			℄				E
		30	101+00 ✓	3	12	25	30
		1117.1	1118.1	1118.4	1118.1	1119.6	1119.9
	30	9	5	102+00 ✓	12	25	30
	1124.7	1123.7	1121.8	1121.7	1121.0	1127.7	1128.2
		30	9	103+00 ✓	15	30	
		1123.2	1121.5	1121.8	1121.2	1117.7	
30	21	19	12	103+70 ✓	15	20	30
1125.4	1124.5	1123.3	1122.7	1123.4	1122.9	1117.4	1117.4
	30	26	21	104+00 ✓	18	20	22
	1126.3	1125.9	1125.2	1125.9 ✓	1125.4	1124.9	1125.5
		30	24	105+00 ✓	4	10	30
		1130.7	1129.9	1129.5 ✓	1129.4	1129.0	1129.9
30	13+15	12	3	106+00 ✓	9	16+15	15
1134.0	1131.6	1132.1	1132.9	1132.6 ✓	1131.6	1132.1	1131.5
30 22	15	15	3	107+00 ✓	9	15	19
1142.9 1139.1	1138.2	1137.6	1138.7	1138.4 ✓	1137.8	1138.7	1140.4

(35) 1140

W			℄	E				
							17	
22 16	14	12	3	108+00 ✓	6	8	12	17	30
1148.0 1149.1	1143.6	1144.4	1145.3	1145.0 ✓	1143.9	1142.8	1144.7	1147.3	1147.5
30 1146.0	19	16	12	109+00 ✓	9	10+13	14	30	
30 1151.7	1151.0	1149.8	1151.1	1151.3 ✓	1151.0	1150.2	1150.1	1150.9	
30 23	18	12	9	110+00 ✓	12	17	30		
1156.3 1155.0	1153.0	1152.1	1152.7	1153.8 ✓	1152.4	1153.3	1153.7		
		30	12	111+00 ✓	12	14	18	21	30
		1155.4	1151.1	1157.5 ✓	1157.0	1156.0	1157.0	1159.0	1160.5
30	19	14	9	112+00 ✓	21	30			
1165.5	1164.9	1163.5	1162.4	1162.9 ✓	1163.3	1165.5			
	30	8	7	113+00 ✓	12	16	30		
	1168.2	1165.3	1164.6	1165.6 ✓	1164.6	1166.3	1167.6		
	30	12	10	114+00 ✓	12	12	30		
	1170.5	1169.0	1167.8	1168.0 ✓	1167.0	1167.5	1168.3		
		30	9	115+00 ✓	12	13	30		
		1169.4	1168.5	1169.5 ✓	1168.5	1164.7	1169.1		
	30	21	9	116+00 ✓	12	20			
	1169.6	1169.5	1168.2	1169.6 ✓	1168.7	1170.3			

W				℄	E			
30	18	10	9	117+00 ✓	9	18	30	
1169.4	1168.9	1167.3	1166.3	1167.8 ✓	1166.3	1169.2	1169.6	
30	10	10	9	118+0 ✓	11	12	18	30
1167.4	1166.1	→ 1165.4	1165.9	1166.4 ✓	1164.6	1165.4	1167.8	1168.4
30	10	9	1	119+0 ✓	9	30		
1165.0	1163.8	1163.6	1164.9	1164.8 ✓	1163.3	1165.2		
30	12	1		120+0 ✓	9	10	30	
1163.4	1162.8	1164.0		1163.9 ✓	1162.4	1162.9	1163.9	
30	12	2		121+0 ✓	9	16	17	30
1162.4	1161.9	1163.6		1162.9 ✓	1161.5	1162.1	1162.6	1163.2
30	14	12	3	122+0 ✓	6	17+18	18	30
1160.8	1161.0	1160.6	1161.9	1161.6 ✓	1161.1	1160.1	1161.5	1161.8
30	14	12+13	10	4	123+0 ✓	6	8+9	10	30
1160.3	1160.5	1159.7	1161.1	1161.9	1161.7 ✓	1161.3	1159.7	1159.7	1160.7
30	15	13+14	12	124+0 ✓	7	8+9	10	13	17	30
1161.6	1160.9	1160.0	1161.0	1161.6 ✓	1160.9	1160.0	1160.1	1160.6	1161.6	1161.8
30	12	3		125+0 ✓	6	7+8	11	30		
1162.3	1160.8	1162.0		1161.7 ✓	1161.2	1160.5	1162.0	1162.7		

W

	25	13	4	126+0 ✓
	1163.5	1162.2	1163.2	1162.9 ✓
30	25	16	4	127+0 ✓
1164.8	1164.3	1163.4	1164.5	1164.2 ✓
		25	9	128+0 ✓
		1164.8	1163.8	1164.5 ✓
	30	13	1	129+0 ✓
	1164.1	1163.1	1164.4	1164.1 ✓
	30	25	13	130+0 ✓
	1162.6	1162.7	1162.4	1163.4 ✓
30/1163.2	17/1163.1	14	12+B 11	2 131+0 ✓
1162.7		1161.7	1162.5	1162.8 1162.7 ✓
			30	131+20 ✓
			1163.3	1162.3 ✓
30/1162.0	20+25/1161.6	13/1159.8	13 11	1 132+0 ✓
		1158.9	1159.6	1160.1 1160.0 ✓
30/1158.0	23+27/1158.0	15/1156.6	15/1155.4 14/1156.0	7 133+0 ✓
				1156.9 1156.0

E

4	5+6+7	8	11	30	
1162.7	1162.0	1162.6	1163.6	1164.1	
12	14	18	19	30	
1163.9	1164.5	1164.5	1165.2	1165.3	
10	12	13	15	17	30
1163.6	1162.9	1163.7	1164.2	1163.1	1165.7
7	10	11	14	16	30
1163.5	1162.6	1163.2	1163.4	1164.1	1165.1
9	10+11	12	30		
1162.7	1162.4	1163.0	1164.2		
6	7	9	12	15+16	18 30
1162.7	1161.0	1162.0	1164.5	1161.7	1163.9 1164.3
30					
1163.6					
10	11+12	13	30		
1159.3	1158.9	1159.6	1160.7		
6	8+9	14	30		
1156.0	1154.8	1159.0	1161.0		

W				℄	E				
.30	25	21	18	3	139+0 ✓	9	10.11.12	13	30
1155.5	1155.3	1154.1	1152.8	1153.9	1153.8	1153.0	1152.3	1152.8	1153.8
30		18	13	3	135+0 ✓	6	13.14	15	27	30
1152.5		1152.7	1153.7	1154.4	1154.3	1153.9	1150.7	1151.4	1151.6	1150.7
	30		17	12-16	136+0 ✓	8	10-15	16	30
	1155.8		1154.8	1153.8	1155.8	1155.3	1154.0	1155.0	1157.3
30	25	15	12+13	11	137+0 ✓	9	11+12	14	30
1160.8	1160.7	1158.7	1157.4	1158.0	1158.7	1158.4	1157.4	1158.2	1162.0
30	12	11+12	9		138+0 ✓	31	25	30	
1165.6	1163.2	1162.2	1162.9		1163.6	1164.9	1166.3	1166.8	
	30	16	15		139+0 ✓	10	13	14	19	30
	1167.0	1166.5	1165.8		1167.0	1166.6	1165.5	1167.0	1169.0	1170.0
			30		140+0	13	14+15	16	30	
			1169.0		1169.2 ✓	1168.9	1168.5	1169.0	1170.2	
			30		140+40	13	30			
			1170.0		1169.5 ✓	1169.4	1170.5			

W

30	22	21	2	141+00 ✓
1168.1	1168.3	1168.1	1168.5	1168.1
30	15	12	3	142+00 ✓
1166.5	1166.0	1166.7	1167.2	1167.0
30	17	15+16	12	3	143+00 ✓
1165.0	1165.6	1164.8	1166.1	1166.9	1166.6
30	17	13+16	12	3	144+00 ✓
1165.3	1164.8	1164.6	1165.3	1166.4	1166.3
30	25	16+15	15	12	145+00 ✓
1165.6	1164.1	1163.6	1164.1	1165.1	1166.6
30	25	15	146+00 ✓
1164.1	1164.1	1165.8	1166.1
30	146+47 ✓
1166.2	1166.4

E

15	15+16	16	30
1167.8	1167.5	1168.5	1169.1
9	10+11	12	30
1166.7	1165.7	1166.7	1167.3
30	
1166.6	
12	30	
1165.3	1167.0	
16	23	30
1165.6	1166.9	1167.1
15	16	30
1165.6	1166.1	1166.9
30	
1167.0	

B.M. Elevations From County Line To U.S.G.B.M.

No.	Elev.
1.	1045.546
2	1075.484
3	1112.202
4	1144.052
5	1142.761
6	1101.833
7	1056.806
8	1066.309
9	1085.051
10	1110.270
11	1122.101
12	1169.754
13	1163.859
14	1164.791
15	1154.010
U.S.B.M	1166.180

DISTANCES FROM CENTER OF ROADWAY FOR CROSS SECTIONING.

ROADWAY 24 FEET WIDE. SIDE SLOPES 1 TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.