B.

SURVEYOR'S NOTE BOOK 1931

(J. Eagon Wyer)

DIETZGEN

TRADE MARK

ENGINEERS'

FIELD BOOK

No. 400

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and SURVEYING INSTRUMENTS

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Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be 30.6+(20—16)÷2 or 2 ft. added to 30.6 =32.6. For slopes of 1 on 1½ see inside of back cover.

Book was personal property of Wagner; send him another on return.

J. A. Mason
University Museum
33d & Spruce Sts
Philadelphia

Sight To.	Azimuth.	Vert. Ang.	I.	H.D.	D.E.
△D	70°45′	8°10′	0.421.		
	Instr. at △C.		H.I. = 1.30 m.		
△D	31°38′	7°05′	0.412	40.894	5.9
1	83°10′	8°04′	0.125		
△C.	110°43′	12°55′	0.224		
	Instrument at △B. H.I. 1.48				
15		24°40′	0.176		
14	278°13′	37°04′	0.540		
12	106°03′	0°07′	0.120		
11	113°57′	−2°51′	0.360		
10	122°10′	−4°00′	0.159		
9	339°12′	12°34′	0.206		
8	198°11′	0°45′	0.162		
7	208°41′	6°08′	0.190		
6	220°36′	14°56′	0.228		
5	290°16′	26°28′	0.122		
4	304°06′	17°20′	0.110	10.126	
3	317°43′	0°06	0.096	8.926	—
△D	14°53′	5°14′	0.670	66.764	+6.11.
2.			0.250	25.326	—
1.			0.850	85.326	—
△B.	33°36′	0°55′	0.974.	97.70	+1.56
	Instrument at △A. H.I. 1.33.				

Elev. . Mag. Bear.

S 35° 00′ W.

Bottom of 2nd Wall.

N 35° 35′ W.

Junction of Pyrmd with H. Terrace.

Top of Left Pyramid. on

End of Small mound runs to remaining Part of wall.

Top of Bank.

Corner of 2nd wall.

Top of Bank on Plaza Level.

cuts of 1st wall.

Top of 2nd wall. here appears to run into Hill.

Top of 2nd wall.

Base of 2nd wall.

N 33° 35′ E.

Constant to be added to Stadia Int: (I) = 0.326. metres.

Sta.	Hor. Ang.	Vert. Ang.	Mag: B.	I.	H.D
⊼ at ⊡ A.		H.I. = 1.29 m.			a7.6
⊡ B	33°53′	0° 39′	N 33.35°E	0.975	97.826
⊡ D	15°09′	5° 13′		0.671	66.907
⊙ 1.	33°53′	0°30′		0.850	85.326
2	33°53′	0°42′		0.673	67.626
3	33°53′	0°21′		0.506	50.926
⊙ 4	33°53′	−0°33′		0.250	25.326
5	193°42′	−0°40′		0.153	15.626
6	202°03′	2°01′		0.200	20.076
7	167°30′	−3°44′		0.120	11.824
8	121°53′	−3°14′		0.162	16.000
9	114°10′	−3°03′		0.360	36.223
10	311°16′	8°20′		0.082	8.34
11	302°06′	17°33′		0.110	10.29
12	292°20′	26°24′		0.131	10.05
13	278°14′	24°29′		0.181	15.22
⊙ I	278°30′	36°54′		0.531	34.20
14	347°48′	6°31′		0.201	20.16
15	339°41′	12°22′		0.205	19.826
16	209°34′	8°29′		0.233	23.300
17	220°34′	13°56′		0.223	21.50
18	211°37′	10°49′		0.322	31.37
⊼ at ⊡ B & B.S (0°) on ⊡ A.				H.I = 1.32	
D	31°37′	6°57′		0.409	40 m.
C	110°44′	12°35′	N35°45′W	0.223	21.4

April-16-1931.

Mag. Bear. taken at 8.30 a.m. Distance Chnd. 97.

Vertical Ang. taken with Rod on Ground.

Vert. Ang. taken with Rod on gnd.

} Top of Bank. - faces with rock.

Hub on Top of Pyramid.

} Corners of Terraces.

April-17-1931.

Sight To.	Hor. Ang.	Ver. Ang.	Mag. B.	I.	
19.	145° 59′	1° 53′		0.145	14.8
20.	72° 09′	9° 15′		0.100	10.3
21.	37° 35′	5° 57′		0.171	17.2
22	43° 15′	10° 16		0.208	20.1
25	82° 57′	16° 50′		0.145	14.3
24	84° 19′	8° 09′		0.124	12.0
23	130° 55′	8° 24′		0.171	16.9
⊡ B1	180° 46′	−0° 41′	N 34° 35′ E	0.661	66.1
⊡ B2.	268° 03′	− 0° 50′	S 61° 50′ E	0.705	70.5
26	161° 14			27.60	
27	180° 39′			26.47	
28	197° 28′			27.70	
29	212° 25			31.63	
⊙ 1	0° 00′	−1° 33′		0.125	12.5
30	16° 16′	3° 21′		0.270	27.0
31	268° 03′	0° 15′		0.353	35.3
32		−0° 39		0.560	56.0
⊼ at	⊡ C &	B.S (0°) on	⊡ B	H.I = 1.35	
⊡ B	0° 00′	−12° 40′		0.225	
⊡ D	70° 45′	0° 10′	S 35° 30′ W	0.421	D.E. Elev. +0.07
⊙ H	135° 03	34° 05′		0.414	41.3
33	341° 44′			4.05	
34	348° 14′			2.50	
35	32° 14′			5.50	
36	50° 51			4.60	

} Top line of Retaining wall of 1st Terrace.

} Top line of Retng Wall of 2nd Terrace.
Base of 2nd Retng Wall.

Dist: measured with tape.
" " " " (0.263 Stadia I.)
" " " "
" " " ".
26, 27, 28, 29. Ends of Mnds of Ball Court. W.G.

Center of Stone Stairway.

Check sight for Dist & Elev.

Stake with nail near Summit of Pyramid.
Tape dist. 4.05
" " " } Base Well Stela #8
" " " } " " " #7.

37	59°33′			2.70
38	9°04′			5.15
39	41°11′			7.93
40	51°16′			7.83
41	53°18′			12.17
42	59°40′			11.50
43	56°23′			14.17
44	62°39′			13.96.
45	56°41′			15.56
46	56°53′			17.25
47	63°49′			19.03
48	67°38′			18.70
50	67°45′			20.80
49	64°06′			21.08
51	67°47′	-0°16′		0.0425
52	332°27′	-16°26′		0.0385
53	358°43′	-3°50′		0.0225
54	33°37′	+2°30′		0.0610
55	39°07′	-3°33′		0.0560
56	43°18′	-2°00′		0.0785
57	58°47′	-2°08′		0.1020
58	55°53′	-2°25′		0.1280
59	61°14′	-50°00′		0.1515
60	66°54′	+53°00′		0.1910
61	4°01′	-7°43′		0.0345
62	78°13	+3°41′		0.1720

Tape Dist. 2.70 } North end Plinth for Stela

" " " }

" " " }

" " " } Base well Stela #6

" " " } Base well Stela #5.

" " " } Base well Stela #4.

" " " #3

" " " #2.

" " " #1.

H.I. = 1.00 m. April-18. Level of floor at rear of Plinth.

" well #8.

" Curb #8.

" " #7 (top of Plinth.

" Well #7.

" " #6

" " #5

" " #4.

" " #3

" Curb #2.

" beton #8 & #7.

63	122° 19′	+18° 00′		0.1340	
66	117° 24′	+10° 33′		0.0940	
64	190° 50′	−0° 26′		0.0475	
65	226° 36′	−18° 05′		0.1215	
66	70° 12′	+1° 09′		0.2220	

⊼ at ⊡D. with B.S. (0°) on C⊡				H.I = 1.00m.	
⊡C	0° 00′	−0° 06′		0.4220	
⊡B	30° 11′	−6° 57′		0.4120	
⊡A	159° 48′	−5° 10		0.6700	
⊡E	259° 46′	+22° 11′	N65° 45′W	0.2040	d 18.9 e=7.69

Ck sight to B⊡
" " " A⊡ Int. Ang. B-D-A = 129° 37′

Sight to.	Hor. Ang.	Vert Ang.	M.B.	I.	H.D.	D.E.
↑ @	"I" ⊡.	B.S on "A" ⊡		H.I. 1.25.		Target on rod at 0.85
A	0°00′	-37°00′		0.530		
1.	358°35′	-43°28′		0.193		
2	358°45′	-40°23′		0.1515		middle Hair @ 1.10.
3	329°03′	-39°25′		0.132		
4	332°09′	-42°02′		0.096		
⊙ 5	52°45′	-29°50′		0.438		
6	99°47′	+3°09′		0.072		— H.I. 1.32.
7	133°20′	+17°13′		0.083		

Sight To.	Hor. Ang.	Vert. Ang.	Mag. B.	I.	H. D.
⊼ @	"B" ⊡.	H. I.	1.365		
2	90° 00′	−3° 24′		0.075	7.826
4		+15° 06′		0.159	15.1
5		+23° 22′		0.197	16.9
6	99° 50′	+23° 24′		0.215	18.42
⊼ @	"D" ⊡.	B.S. on "A".	H. I.	1.31.	
1.	46° 29′	−2° 50′		0.062	6.2
F.	90° 00′	+27° 09′		0.300	26.2
7	86° 26′	+27° 04′		0.278	22.3
8	86° 16′	+25° 57′		0.239	19.5
9	86° 53′	+23° 21′		0.211	18.2
10	91° 12′	+14° 20′		0.162	15.14
11	124° 53′	+ 7° 14′		0.121	12.20
⊼ @	"D" □	B.S. on "A".	H. I.	1.295	
12	90° 35′	+22° 18′		0.214	14.78
13	87° 57′	+23° 30′		0.228	20.9
14	79° 56′	+22° 08′		0.212	14.6
15	86° 17′	+26° 15′		0.234	21.2
⊼ @	"B" □	B.S. on "A".	H. I.	1.320	
D	180° 00′	1° 12′		0.199	19.9
16	85° 40′	21° 26′		0.215	18.95
17	84° 38′	23° 33′		0.224	19.0

D.E

Pyramid # 27.

B.S.	I.S.	F.S.		
1.269.			1	20.000
	(−0.563)	1.832.	2	
1.269.			1.	
	(+1.076)	.193.	3	

.462.	
4.080	
7.27	
8.00	
.36	
13.4	Top level.
11.4	
9.50	
7.78	
3.96	
1.55	Lower Terrace.
8.15	Front edge of face wall at Bottom.
9.18	Top front edge of vert. low wall.
8.34	Front lower edge of wall under stair.
10.35	Top (?) of (12).
.43	
7.42	Lower front edge bottom Vert.
8.30	Top " " — "

					H.D	O.E	
18	86°55′	25°25		0.246	20.3	9.7	Milway up 2 Batter face.
19	88°03′	28°07′		0.275	21.6	11.42	Top edge.
⊼ @	F.□	B.S on "D"□		H.I. – 1.38.			
G	90°00′	−0°42′		0.265	26.8	.33	
20	91°19′	−0°57′		0.256	25.6	.43	Top of small rise.
21.	91°22′	−1°00′		0.252	25.2	Centre hair on 1.50. (1.445)	Base of steps & ± continuation of Base of Plinth.
22	90°04′	−1°05′		0.202	20.5	Centre hair on 1.50. (1.383)	Outer edge – level of floor outside Staircase.
23	90°19′	−0°40′		0.185	18.8	.22	Middle wall at end of Stair-
24	91°11′	+0°17′		0.165	16.8	.086	Inner wall.
25	88°13′	+2°56′		0.165	16.8	.86	Top Tread of Stairs
26.	87°55½	+1°39′		0.165	16.8	.485	" " "
27	86°57′	+1°16′		0.162½	16.55	.366	" " "
28	86°22′	+0°25′		0.161½	16.45	.12	~~1st~~ " " "
29	85°38′	−0°50′		0.160	16.3	.237	1st " " "
30	85°34′	−2°00′		0.160	16.3	× .57	Floor level.
31.	90°35′	−1°05′		0.134	13.7	× .258	Level behind & below Staircase at base of wall.
32	87°56′	−1°58′		0.210	21.3	.73	Top edge & level of inner wall.
33	83°43′	−2°43′		0.200	20.3	.96	Top edge of outer wall at junction with main Staircase.

34	84°30'	-1°49'		0.129	312
35	84°24'	-0°10'		0.121	124

.419	Floor level in front of Stairs.
.036	1st. Treas on edge.

B.S.	I.S.	F.S.	Rise	Direct fall.	levelling R.L.
0.156					2.558
	0.072.		0.084		2.642
	0.127.			0.055	2.587
	0.608.			0.481	2.106
2.714		2.714		2.106.	0.000
	0.269.		2.445		2.445
	0.015		0.254		2.699
	0.215			0.200	2.499
	0.305			0.090	2.409
	-0.050		0.		
		1.027		0.722	1.687

Sta.		Hor. Ang.	I.	D.E.
⊡ F.	−	9° 26'	0.034	.60
1	+	15° 56'	0.045	1.27
2	+	15° 44'	0.055	1.52
3	+	18° 24'	0.047	1.50
4	+	19° 26'	0.099	3.20
5	+	17° 19'	0.084	2.46
6	+	13° 23'	0.054	1.285
7	+	17° 27'	0.100	2.04
8	+	17° 9'	0.062	1.838
9	+	19° 39'	0.131	4.23
10	+	26° 57'	0.166	6.82

with Transit. Edifice on Pyr: # 27.

Corner of Base of Edifice. Sta 1.
Floor level at entrance. S.E. corner. Sta 2.
Level of edge of Terrace C. Sta 3.
" " " " " B. Sta 4.

× Top of Stake ⊡ "F"
Edge of Terrace "C" in front of 2nd entrance. S.E.
Floor level entrance #2. S.E. Right hand comm.
Terrace "C". centre of Pillar. to right of Main entrance

ledge + 0.050 above line of sight.
Edge of Terrace "B". in line with left corner of double wall.

B.S. on ⊡ F.

Edge of Terrace "B" 2nd opening
Floor at entrance
Floor level against Wall
Top of ledge
Point 2.65 from front of bridging - face apparent floor
Edge of Terrace B. main entrance
2nd Floor level middle entrance
Floor level centre hall
Raised floor level of middle Rooms.
Point on left hand front wall of rear room —
lowest floor level of rear room 3.140 below this point
second floor level of rear room 3.00 below same point

Sta		Hor Ang	I	DE
⊡G	-	4° 12′	0.198	
⊡G.	-	22° 04′	0.060	
11	+	21° 22′	0.074	
12	+	24° 42′	0.095	
13	+	16° 56′	0.078	
14	+	17° 46′	0.072	
⊡G.	-	8° 51′	0.143	
15.	-	9° 00′	0.019	
16.	+	23° 22′	0.047	
16.	+	17° 47′	0.038	
17.	+	15° 51′	0.078	
18.	+	16° 43′	0.085	
19.	+	15° 14′	0.085	
20	+	20° 02′	0.097	
21.	+	7° 33′	0.099	

B.S. on. ⊡G.
Top of ledge N.W. end.
Top of battered wall S.E end of rear end room N.W.
Floor level of end room N.W. end. inside partition wall
Floor level of end room.

B.S. on. ⊡G.

Corner (N°) of ledge on Lower part of Plinth.
N° Corner of Building on ledge above Terrace. c. ?
Level of Terrace.
1st. Step at rear of Building.
2nd - - - -
Corner of Terrace. at rear ..
Ledge on Top of battered rear wall.
Lower platform or Terrace at rear.

1.25
.40
0.85

4.25
.326
4.576

4.595

.0875
775
1.650

159.48
30.11
129.37

1.985 ✓
400
2.385 ✓

.34×1000×K = C

34×150×K = 0/10

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½.

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	25.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9+(20—16)÷2 or 2 ft. added to 41.9 =43.9. For slopes of 1 on 1 see inside of front cover.

Made in Germany.