

$K+\Sigma$

LEVEL BOOK

134370

**DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING**  
 Roadway of any Width. Side Slopes 1 1/2 to 1.

In the figure below, opposite 1 under "Cut or Fill" and under 3 read 11.9, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under 1 read 16.7, the distance out from the side stake at right.

Cut or Fill	Distance out from Side or Shoulder Stake									
	0	1	2	3	4	5	6	7	8	9
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4

KEUFFEL & ESSER CO., N. Y.

Soil Tests Holes  
 for  
 H. C. Sorrell Sub.

Elevation For  
 Rolling Acres Drain

The paper in this book No. 370  
 is made of 100% high grade rag stock  
 with a WATER RESISTING surface sizing.

Hole No 1

	1' Topsoil
	1' damp yellow clay.
	1' yellow clay
	2' yellow clay and water

Hole No 2

	1'	top soil
1'		
2'		
3'		3' yellow clay
4'		
5'		5' wet yellow clay

Hole No 3

	1' Topsoil
	2' Hard brown clay
	2' yellow clay and water

← LETTER →

Hole No 4

	1' Topsoil
	1/2' brown clay
	1/2' yellow clay
	1' wet yellow clay

Hole No 5

6" Topsoil

2½' yellow clay

2' yellow clay  
and water

Hole N<sup>o</sup> 6

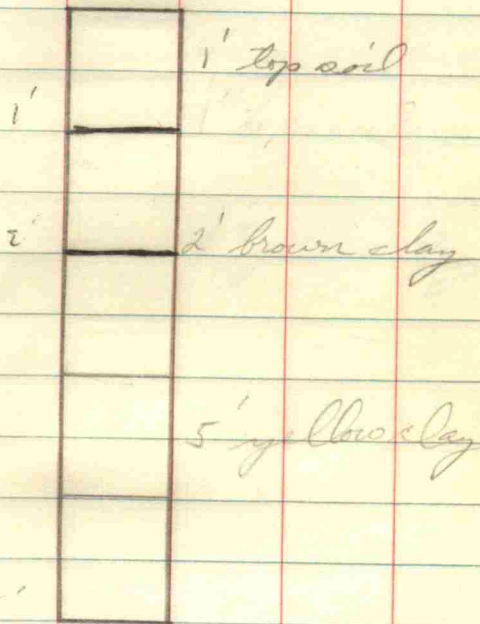
1' Topsoil

2' yellow clay

2' wet yellow  
clay



Hole No 8



Hole No 9

6" top soil

6" brown clay

4" yellow clay

Hole N<sup>o</sup> 10

6" Topsoil
2 1/2' sandy yellow clay
2' coarse sand yellow clay

Hole N<sup>o</sup> 11

6" top soil

3' yellow clay

sandy brown  
clay



Hole N<sup>o</sup> 12

	6" Topsoil
	6" brown clay
	1 1/2" yellow clay
	2 1/2" sandy yellow clay

Hole No 13

	1' Top soil
	2 1/2' yellow clay
	1 1/2' sandy brown clay

Hole N<sup>o</sup> 14

$\frac{3}{16}$ ' Topsoil

$\frac{1}{16}$ ' brown clay

$\frac{1}{8}$ ' yellow clay

Fine sand

$2\frac{1}{8}$ ' yellow  
clay, sand  
and water

Hole No 15

	3/4' top soil
	1/4' gray clay
	6" yellow clay
	6" gray clay
	2' yellow clay
	Fine sand and water



Hole No 16

	1' Topsoil
	1' brown clay
	6" yellow clay
	2 1/2' sandy yellow clay and water

Hole No 17

1' Topsoil

6" Sandy brown clay

1' Sandy brown +  
yellow clay

25' sandy yellow  
clay

with  
all  
the  
rest

Hole N<sup>o</sup> 18

	3/4' Topsoil
	1 1/4' yellow clay
	6" sandy yellow clay
	2 1/2' sandy yellow clay tuffa

Hole No 19

	1' Top soil
	1' Gray + yellow clay
	1' yellow clay
	1' sandy yellow clay
	1' yellow clay and water

B+    π    F- Elev.

NORTH  
End of  
Culver?

B.M.# 5.11 105.11 100.00

F.L. 7.08 98.03

Stake 6.28 98.83

0100 6.68 98.43

" 2 5.65 99.45

1400 6.30 98.81

" 3 5.47 99.64

2700 6.02 99.09

" 4 5.38 99.73

F.L. 6.19 98.92

" 5 5.07 100.04

3100 5.62 99.49

" 6 5.34 99.77

F.L. 6.08 99.03

" 7 5.02 100.09

4100 5.67 99.49

B+    K    F-    Elev

Stake 8  
~~4798~~

4.51    100.60

F.L.

6.25    99.86

" 9

4.33    100.78

5+100

5.07    100.04

" 10

4.73    100.58

5+91

5.30    99.81

	B+	$\pi$	F-	Elev
B.M.#1	6.15	106.15		100.00
F.L.			7.62	99.53
Stake 1			7.09	99.06
1+00				
2+00			6.88	99.27
2+50			6.94	99.21
3+00			6.58	99.57
3+22			6.74	99.41
4+00			6.80	99.35
4+20			6.66	99.49
5+00				
5+19			6.43	99.72
5+91			5.95	100.20

+	K	-	El.
3.00	305.00		300.00

21.00

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