

Book # 27-Dm#8

RAMSEY COUNTY

RECREATION GROUNDS

TOPOGRAPHICAL SURVEY

File No. 10

ENGINEERS'

FIELD BOOK

No. 10403

BOOK 2

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning

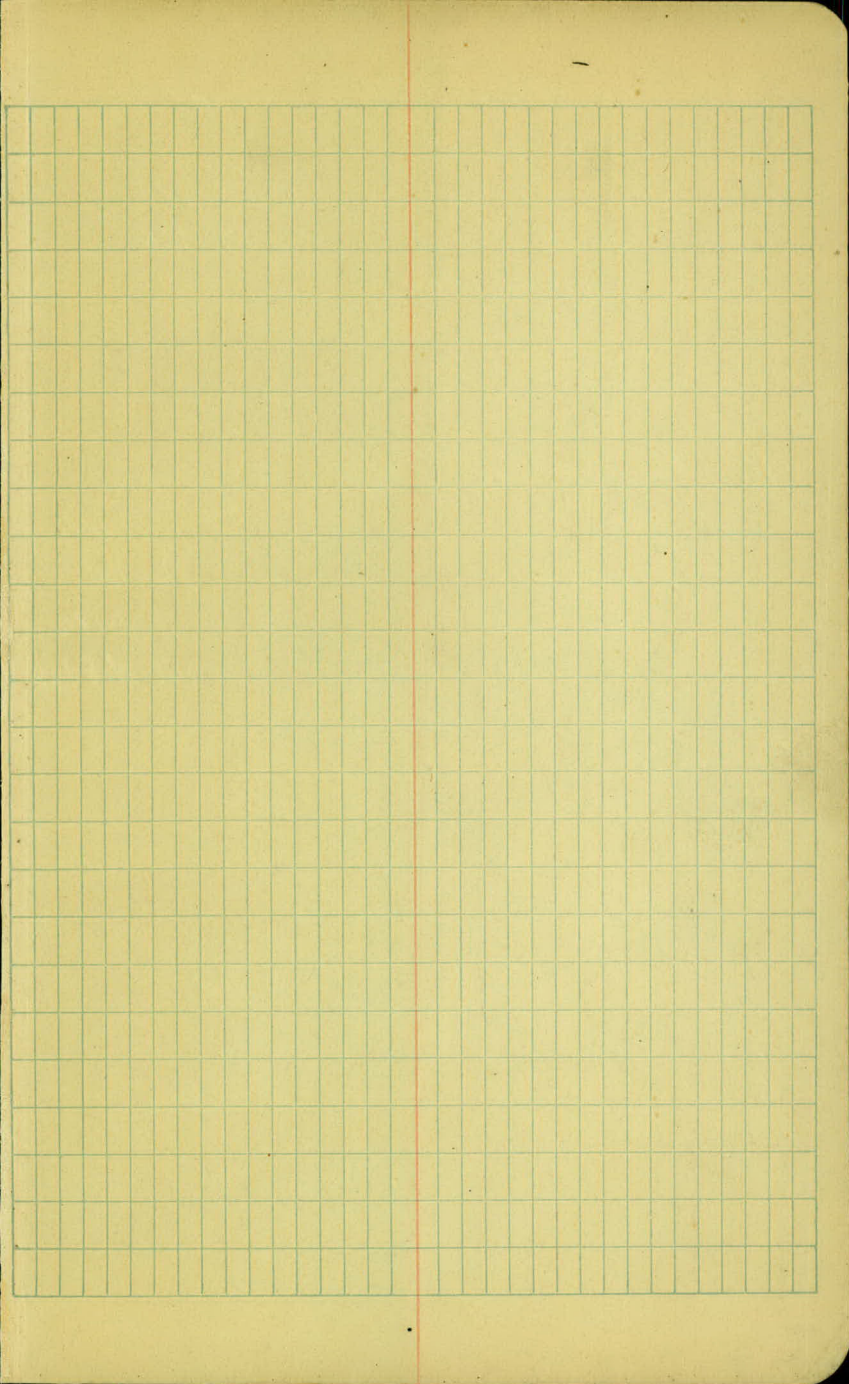
Roadway 16 feet wide. Side Slopes 1 on 1.

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 $30.6 + (20 - 16) \div 2$ or 2 ft. added to $30.6 = 32.6$. For slopes of 1 on $1\frac{1}{2}$ see inside of back cover.

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Notes

Field for Locating Elv. of Water Main on White Bear Ave

Party { F. M. Jankoski May 28, 1925
Henry Jasper May 29, 1925
Walter Walker

Sta.	Elv. of Pavement	Rod Reading to Top of Pipe	Remarks
0+35.6		7.8	8" Cut off Valve
0+45		7.5	Man hole
0+50		7.5	8" Cut off Valve
0+75		7.5	2' Inside W. Edge
1+00	47.7		
1+25	48.2		
1+50	48.7		
1+75	49.2		
2+00	49.7		
3+00	51.6		

Difference in Elv. from
Original to Final

Top of water 2'4 below surface of
Pavement

of Pavement

+ .6

+ .4

+ .6

Elv. Pint Rod Reading to top of Pipe

4+00 53.8

5+00 56.2

6+00 58.2 7.7

7+00 60.3

8+00 62.5

9+00 64.4

10+00 66.4 7.6

Difference in Elr. from
Original to Final

Remarks

00

+ .6

+ .5

+ .5

+ .1

+ .3

+ 8

Elv. Pnt ^{Rod} Reading

11+00 68.4

12+00 70.4

13+00 72.6

13+85 @ 74.5 6.2

14+00 74.9

15+00 77.3

15+16 @ 77.68 6.3

Difference in Elv. from
Original to Final

Remarks

+5

+8

+7

⊖ = Elv. Calculated

-6

-1.2

Elm. Print Rod Reading

16+00 79.1

16+70 6.3

17+00 81.4

18+00 82.1 6.8

19+00 82.0

20+00 80.9

21+00 79.9

Difference in Elr. from
Original to Final

- .3

00

- .1

00

+ .4

+ .7

Elr. Pmt Rod Reading

22+00 78.9

23+00 77.8 73

24+00 76.9

25+00 75.6

25+50 7.0

26+00 73.8

26+16 6.4

26+75 6.1

27+00

27+28 5.0

Difference in Elv. from
Original to Final

Remarks

+4

00

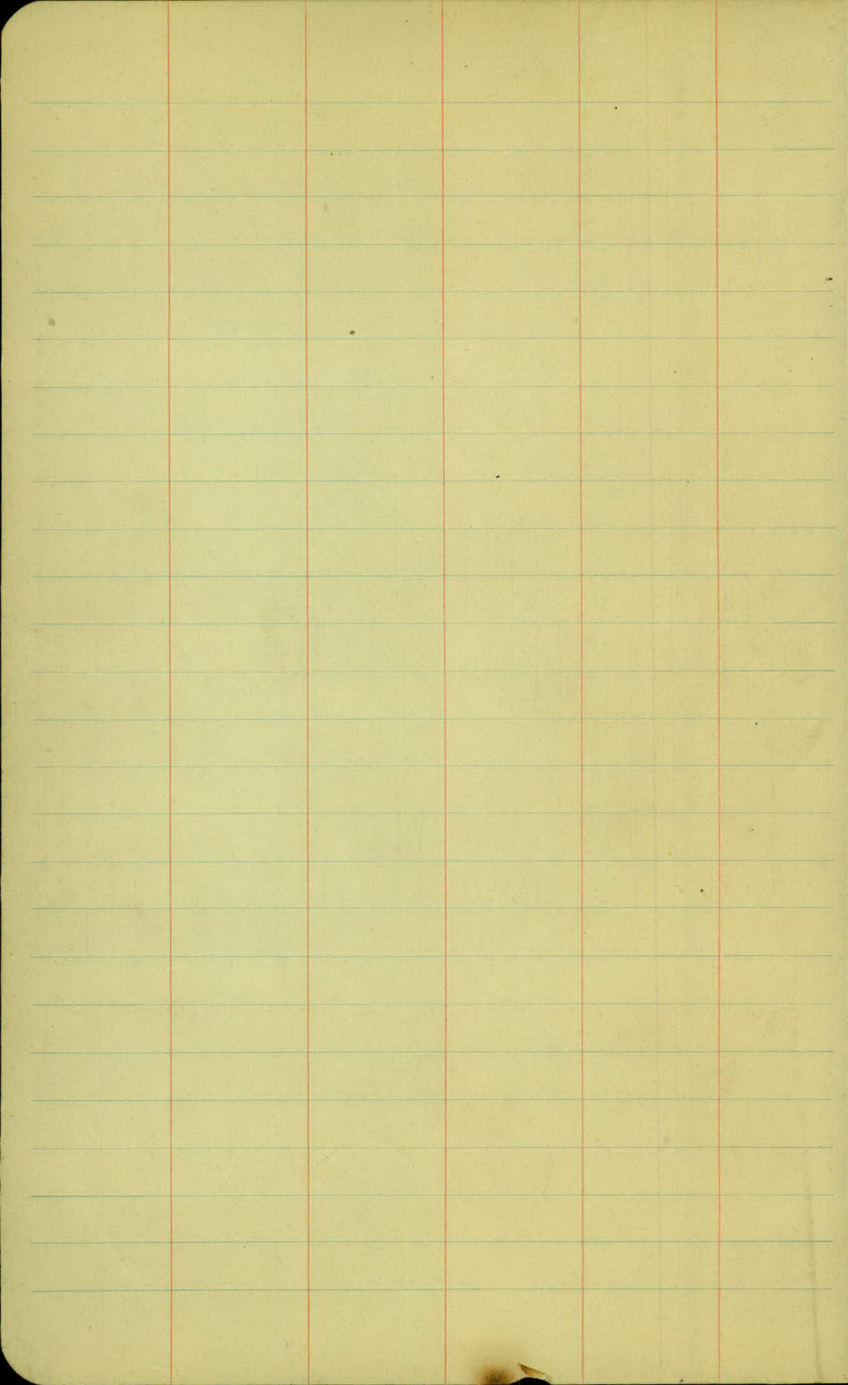
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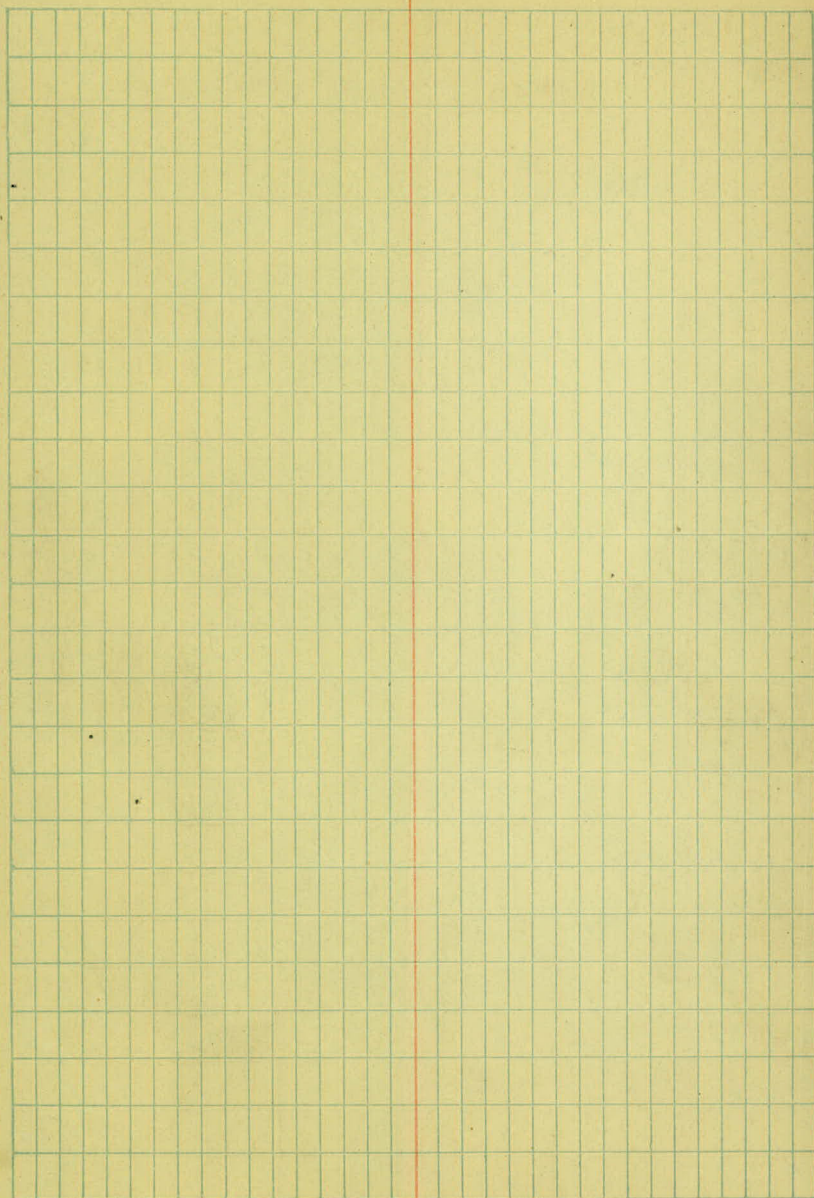
Eleven holes - No Luck

- 1.5

- 2.1

Pipe turns into Poor Farm
Cut off valve opening
in gutter on Right
Pipe 5' below Surface





Object	Azi.	Stadia	Ver. 4	Diff	Elev.
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(4.6 HI)

H.I. = 892.66

At Δ 6A

888.06

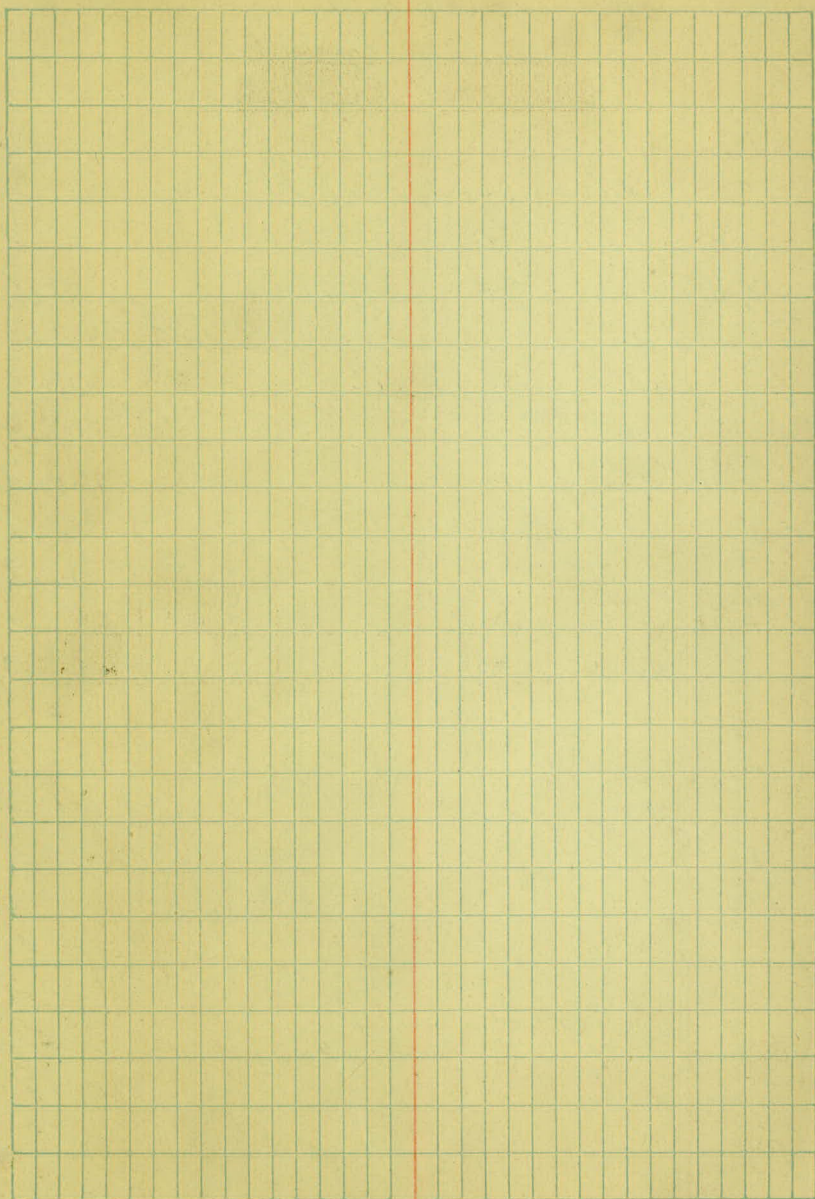
Δ 6	139° 46'	6.65			
Δ 6 A.B.	321° 28'	3.80	-2° 20'	21.5	871.16 ✓
Δ 6 H.C.	282° 12'	3.90	6	18	896.86 ✓
South			8.0		
Slope	43° 40'	4.00	-2° 30'	25.4	867.3 ✓
End. South			4.0		
Ridge	41° 00'	3.20	-2° 30'	18.0	874.7 ✓
Trail on Top	40° 40'	2.00		11.0	81.7 ✓
Top Ridge	45° 45'	6.0		6.1	86.6 ✓
SE Ridge	249° 30'	9.0		2.6	90.1 ✓
Trail	319° 35'	3.0		6.3	86.4 ✓
Top RR Cut	248° 15'	2.00	2.0 +1° 35'	+3.5	96.2 ✓
Trail	266° 00'	1.50		2.8	89.9 ✓
Top RR Cut	260° 40'	2.40	3.0 +1° 35'	+3.6	96.3 ✓
Trail	272° 00'	2.70		2.0	90.7 ✓
Trail	282° 00'	4.20		2.3	90.4 ✓

At Δ 6AB

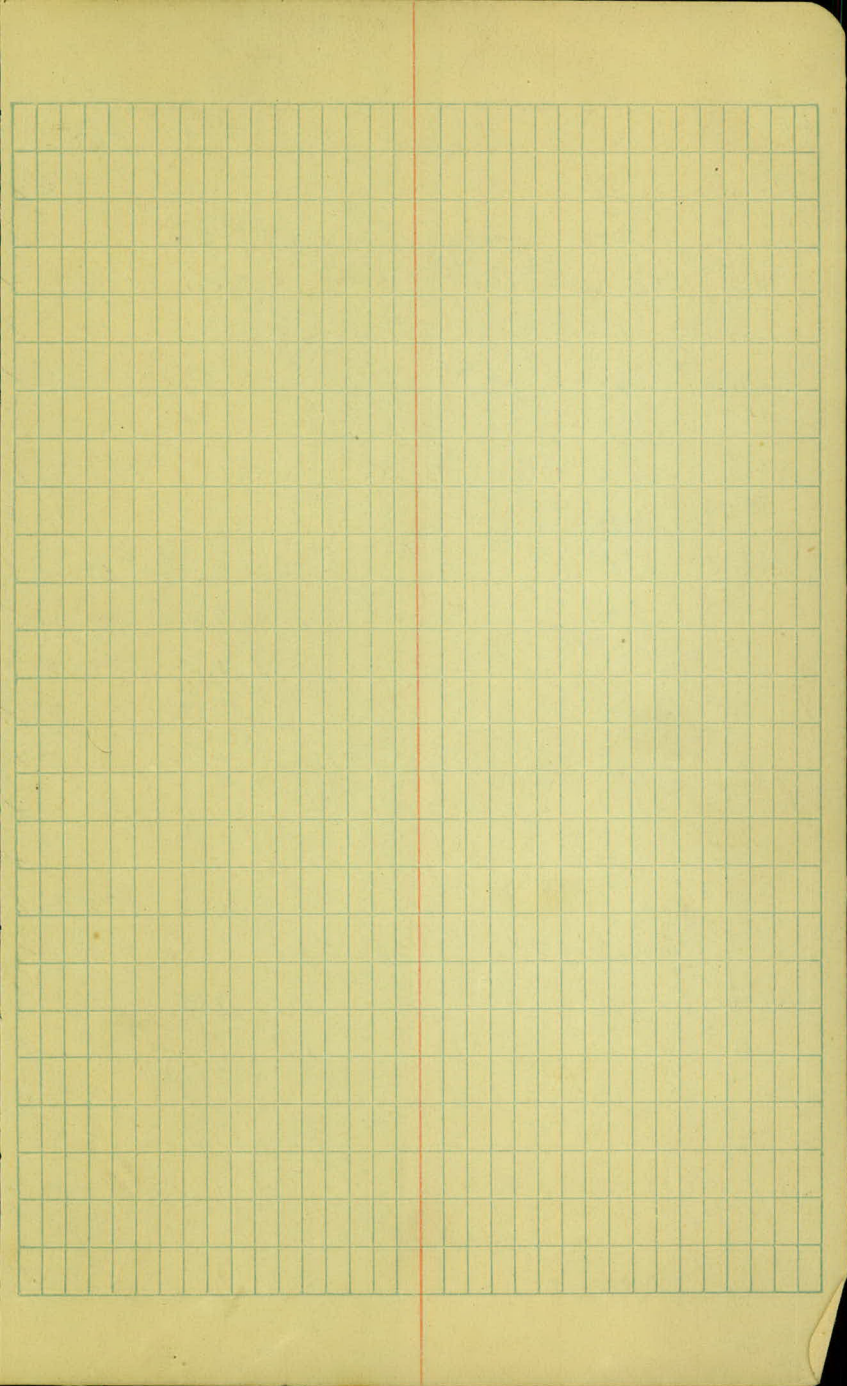
(4.5 HI) = 875.66

871.16 ✓

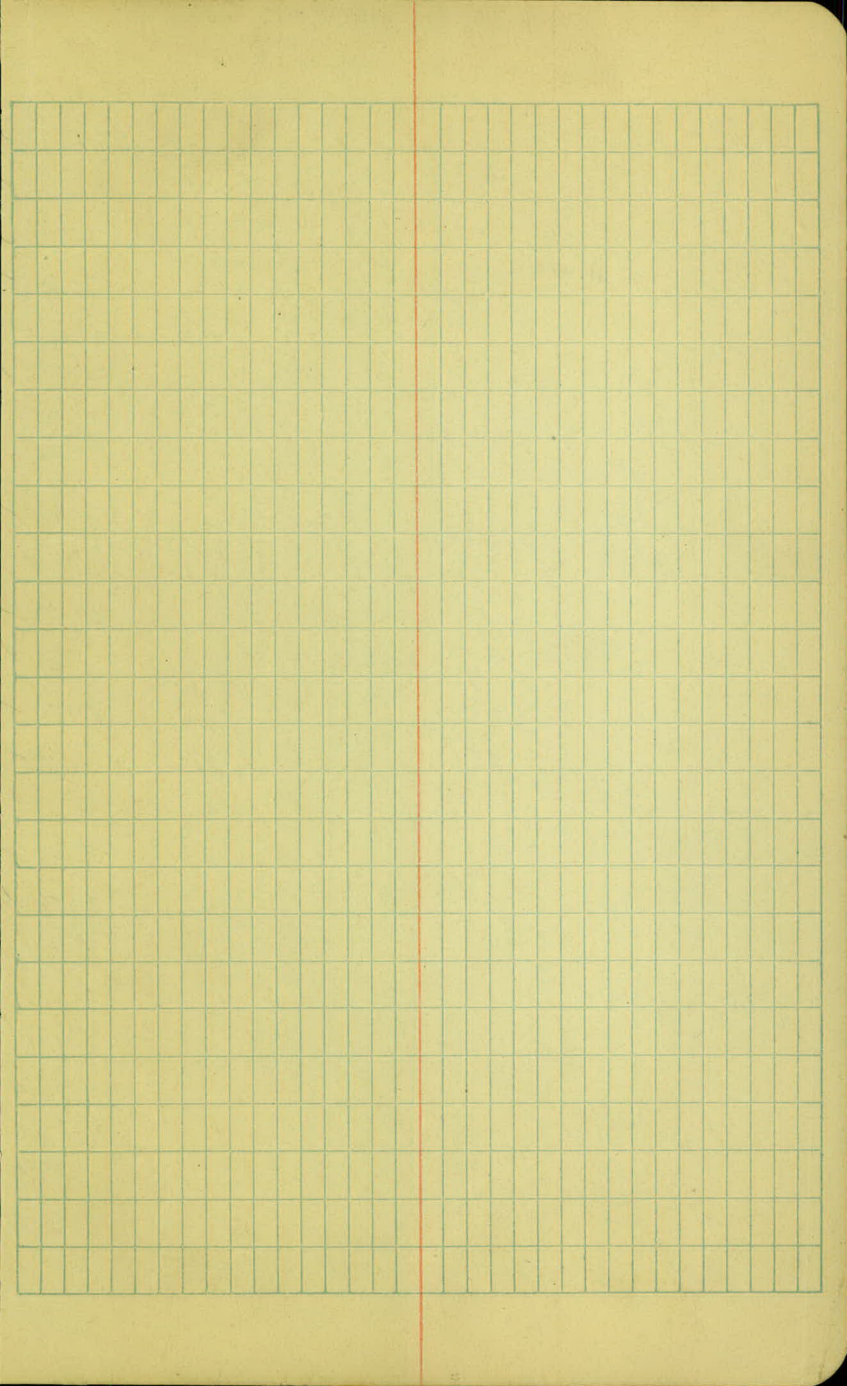
Δ 6A	141° 38'	3.80			
Toe Slope North	88° 0'	5.60	3.0 -1° 10'	14.4	61.3 ✓
Fence			5.0		
Cor. GRF	313° 00'	7.60	-1° 0'	18.3	57.4 ✓
Toe Slope N.	88° 30'	4.30	7.0 -0° 50'	13.5	62.2 ✓
Toe Slope S.	309° 20'	6.40	2.0 -1° 10'	16.0	59.7 ✓
Toe Slope West	93° 30'	3.40	8.0	8.0	67.7 ✓
Toe Slope S.	308° 15'	5.20	6.0 -1° 10'	16.6	59.1 ✓



	Azi	Stadi	Ver. A.	Dif	Elev
Toe Slope West Eline	126°-25'	260	5.7 7.0	5.7	870.0 ✓
Toe West Slope	312°-00'	520	-1°-05' 2.6	16.8	58.9 ✓
Toe Slope	153°-15'	200	5.0	2.6	73.1 ✓
Toe Slope	305°-00'	340	1°-45' 6.5	15.4	60.3 ✓
Toe S. W Slope	180°-00'	140	5.2	6.5	69.2 ✓
Toe S. Slope	233°-30'	120	6.0	5.2	70.5 ✓
Toe S. Slope	288°-0'	200	-2°-15' 8.0	13.9	61.8 ✓
Fence Cor G.R.	300°-45'	100	-4°-45' 6.8	16.3	59.4 ✓
Edge Flat	264°-00'	50	5.0	6.8	68.9 ✓
Toe Slope	24°-00'	120	-5°-30' 10.2	16.4	59.3 ✓
Edge Flat	59°-00'	90	6.0	10.2	65.5 ✓
Eline	14°-10'	130	-4°-30' 11.3	16.2	59.5 ✓
Edge Flat	33°-00'	160	7.0	11.3	64.4 ✓
Toe Slope	44°-00'	220	-1°-40' 12.3	15.4	60.3 ✓
Edge Flat	65°-15'	300	8.0	12.3	63.4 ✓
Edge Flat	72°-30'	400	-1°-0'	15.0	60.7 ✓
A Fence line	27°-00'	500	8.0 -0°-50'	15.3	60.4 ✓
Edge Flat G.Elev	340°-0'	520	7.0 -0°-50'	14.6	61.1 ✓
Swamp Top	56°-50'	500	8.0 -0°-50'	15.3	60.4 ✓
Bank G.Elev	76°-45'	620	7.0 -0°-40'	14.2	61.5 ✓
Swamp Top	69°-10'	520	7.0 -0°-45'	14.8	60.9 ✓
Bank G.Elev	69°-45'	700	5.0 -0°-40'	13.1	62.6 ✓
Swamp G.Elev	30°-20'	640	7.0 0°-50'	16.3	59.4 ✓
Flat G.Elev	118°-20'	85	5.6 10.1	5.6	70.1 ✓
Flat	77°-30'	280		10.1	65.6 ✓



C.	AZI	Stadia	Ver A	Dit	Elev
GE			6.4		
Flat	115°-45	180		6.4	869.3 ✓
G. Elev			9.5		
Flat	85°-40	130		9.5	66.2 ✓
GE			6.8		
Flat	111°-30	260		6.8	68.9 ✓
GE			5.4		
Flat	91°-20	45		5.4	70.3 ✓
At		(HI)			
A6AC.		44	= 895.26		890.86 ✓
Δ 6A.	102°-12	380			
		520	9.4		
Δ 6A.CW	317.47			7.4	887.86
£ Draw	132°-00	100	6.9	6.9	88.4 ✓
£ Draw	137°-00	130	3.5	3.5	91.8 ✓
£ Trail	320°-10	700	9.0	9.1	86.2 ✓
Top RRCut	143°-30	120	-00.30 +2 3.0	2.4	92.9 ✓
£ Trail	319°-0	600	8.6	8.6	86.7 ✓
Top RRCut	266°-30	40	1.5	1.5	93.8 ✓
£ Trail	318°-00	480	8.7	8.7	86.6 ✓
Top RRC	289°-00	130	2.5	2.5	92.8 ✓
£ Trail	318°-00	380	11.6	11.6	83.7 ✓
Top RRC	296°-15	200	10.0	10.0	85.3 ✓
£ Trail Div.	318°-00	300	13.6	13.6	81.7 ✓
Top Trail Cut	310°-15	180	10.2	10.2	85.1 ✓
£ Trail.	318°-00	190	13.2	13.2	82.1 ✓
Top Trail Cut	307°-15	120	6.4	6.4	88.9 ✓
£ Trail	323°-45	90	8.4	8.4	86.9 ✓
Top Trail Cut	303°-20	60	3.7	3.7	91.6 ✓
Top Trail Cut	143°-00	90	1.0	1.0	94.3 ✓



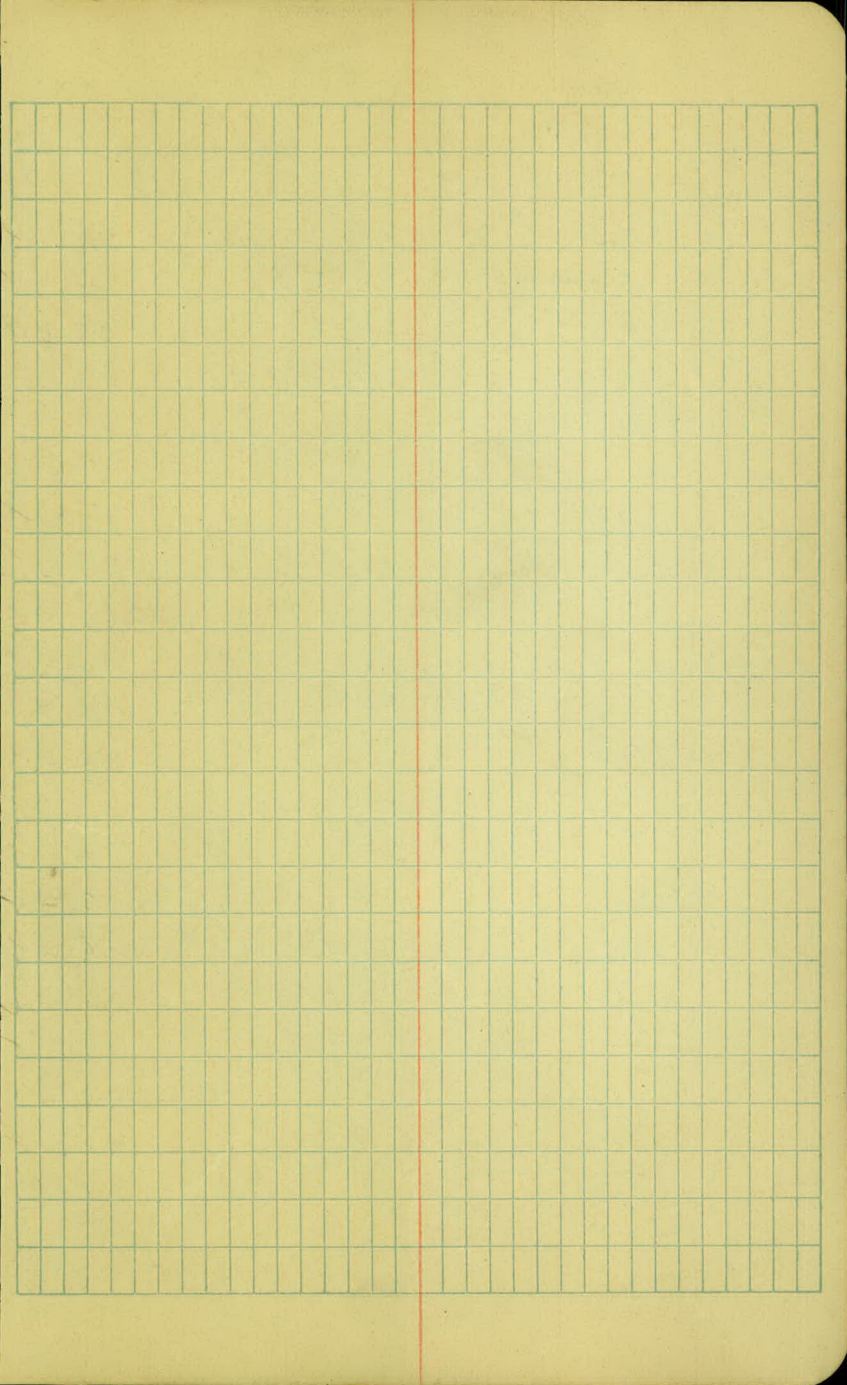
C	AZI	Stadia	Vec A	D.F	Elev
Toe Slope	138°-45'	70	2.6	3.6	891.7 ✓
Top Cut Trail	154°-30'	40	2.4	3.4	91.9 ✓
Toe Slope	313°-45'	60	7.4	7.4	87.9 ✓
Toe Slope	315°-00'	140	11.2	11.2	84.1 ✓
Divide	315°-15'	270	7.0		
Δ			-12.50'	15.7	79.6 ✓

(4.30) H.I. = 892.16

AT06ACW

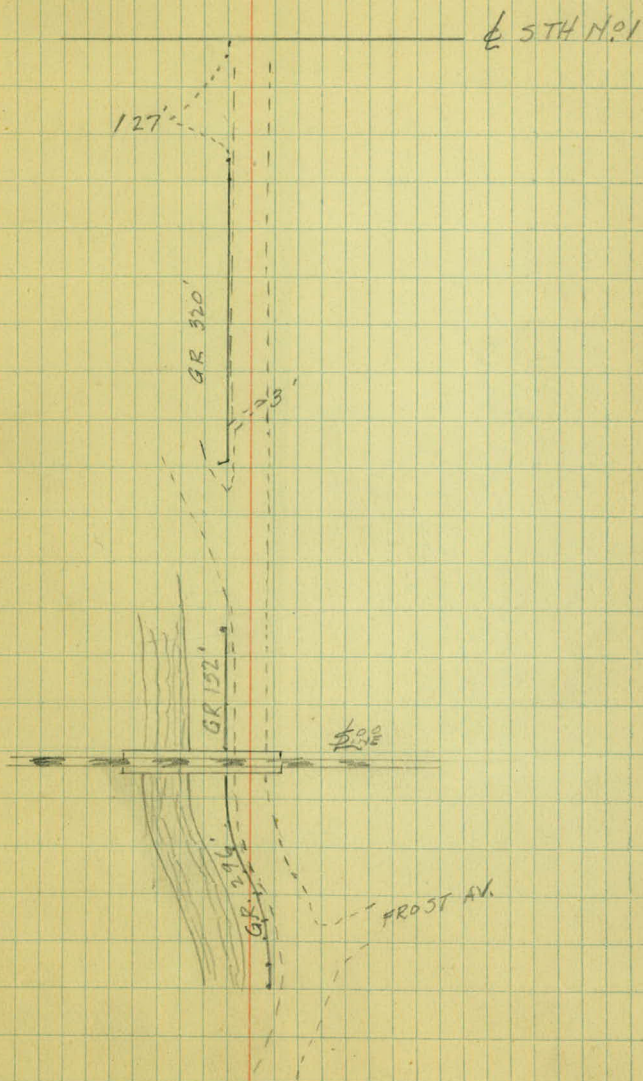
887.86

Δ 6AC.	137°-47'	520			
Δ Arcade	329°-30'	390	4.3	4.3	87.9 ✓
Δ Pav Arst.	328°-30'	320	2.0	2.0	90.2 ✓
Top Trail Cut	146°-45'	160	6.2	6.2	86.0 ✓
Δ Pav	312°-00'	270	11.2	+0.25	92.4 ✓
Toe Slope	142°-45'	140	8.5	8.5	83.7 ✓
" "	148°-30'	65	6.1	6.1	86.1 ✓
Δ Arcade	288°-50'	200	+ 3.0 - 0.5'	10.3	81.9 ✓
Top Trail Cut	166°-15'	50	3.1	3.1	89.1 ✓
Top Trail Cut	301°-40'	70	2.8	2.8	89.4 ✓
Toe Slope	316°-15'	70	5.6	5.6	86.6 ✓
Δ Arcade	237°-30'	250	4.0	+ 4.0 - 30'	907.8 ✓
Toe Slope	322°-45'	220	6.6	6.6	885.6 ✓
Top Trail Cut	320°-25'	220	4.0	4.0	88.2 ✓
Δ 6ACWX	201°-41'	150	1.30	+ 1.9	894.06 ✓

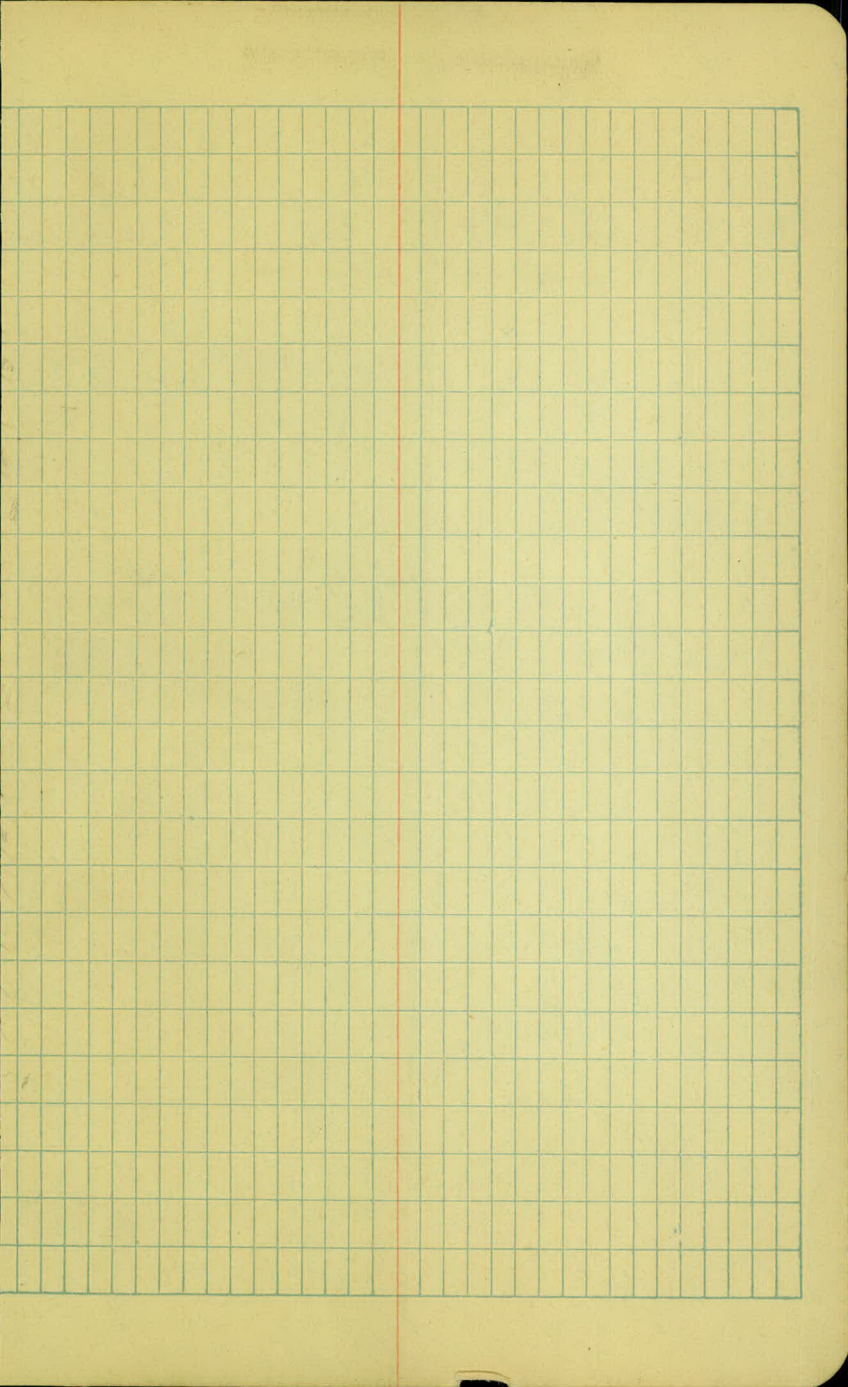


Old	AZI	Stadel	Ver 2	D. ff	E
At GACWX		4.5 H.I.	= 898.56		894.06
GACW	21°-41'	150			
Top Slope	115°-45'	55	6.7	6.7	91.9 ✓
G. Elev	360°-00	110	8.5	8.5	90.1 ✓
E Draw	112°-45'	200	4.0 -5°-10'	22.0	76.6 ✓
G E	310°-00	40	6.0	6.0	92.6 ✓
" "	345°-00	40	6.0	6.0	92.6 ✓
" "	53°-00	50	6.0	6.0	92.6 ✓
Q Draw	129°-30'	210	8.0 -5°-0'	26.3	72.3 ✓
Toe Fill	340°-30'	340	3.0 -1°-15'	10.4	88.2 ✓
East Slope	138°-30'	140	5.0 -3°-30'	16.5	82.1 ✓
Toe Fill	334°-30	260	8.1	8.1	90.5 ✓
Top RRCot	164°-30	75	7.1	7.1	91.5 ✓
Toe Fill	315°-45	140	9.1	9.1	89.5 ✓
Toe Fill			8.0		
Q Draw	257°-30	95	-3°-30'	13.8	84.8 ✓
Toe Fill			11.0		
Q Draw	285°-30	95		11.0	87.6 ✓
Toe Slope	193°-30'	200	3.0 -3°-50'	16.4	82.2 ✓
Toe Slope	171°-30	250	6.0 -3°-50'	22.6	76.0 ✓
" "	158°-30'	260	8.0 -3°-20'	23.6	75.6 ✓
" "	149°-30	260	5.0 -3°-15'	19.8	78.8 ✓
on slope	127°-45'	240	1.0 -4°-50'	21.0	77.6
on slope	113°-45'	270	6.0 3°-40'	20.0	78.6

Concrete & chain guard rail



Obj	CIZI	Stadi	Yard	D. ft	EFV
	(4.5)	H.1	-868.05		
AT&GW					863.55
Δ6	160° 97'	525	9.0		
Edge Creek	293°-30	60	-4°-30	13.7	54.4✓
" "	292°-30	100	9.0 -2°-30	13.4	54.7✓
" "	17°-0'	146	12.0 0°-40'	13.6	54.5✓
" "	357°-30'	160	5.0 -3°-10'	13.8	54.3✓
" "	30°-0'	420	10.0 -0°-31'	13.7	54.4✓
" "	18°-30'	320	11.0 -0°-30'	13.8	54.3✓
" "	30°-0	680	6.0 -0°-35'	13.0	55.1✓
" "	25°-0	720	5.0 -0°-40	13.4	54.7✓
Φ K. P. Drive	35°-0'	700	7.5		64.6✓
Top Creek Stop	22°-30'	700	4.8		63.3✓
Φ K. P. W. Drive	36°-0'	460	4.2		63.9✓
Top C. Slope	19°-30'	500	7.3		60.8✓
Φ K. RW	36°-30'	220	4.6		63.5✓
Top C. Bank	13°-0'	300	7.3		60.8✓
" " "	344°-30'	140	7.6		60.5✓
" " "	290°-0'	105	9.3		58.8✓
" " "	355°-30'	200	9.0		59.1✓
" " "	247°-45'	350	7.8		60.3✓



ATA6A

Δ 6	139° 46'	6.65	Trees		
16	95° 30'	.70	12"	50° 00'	3.50
14"	114° 30'	.75	14"	308° 00'	3.75
12	89° 30'	1.10	12"	42° 00'	3.80
12"	106° 30'	.80	12"	308° 30'	3.90
16	277° 30'	1.05	12"	225° 00'	.80
14"	69° 00'	1.70	12"	41° 30'	3.80
12"	146° 30'	.70	10"	309° 00'	4.00
14"	268° 30'	1.30	10"	232° 00'	1.35
14"	58° 30'	2.00	12"	39° 30'	3.80
16"	278° 30'	1.50	12"	39° 00'	3.80
12"	167° 30'	.60	14"	312° 30'	4.75
12"	58° 00'	2.30	12"	700° 30'	1.65
14"	272° 00'	2.30	12"	311° 00'	4.90
10"	179° 30'	.45	10"	242° 00'	1.75
12"	51° 30'	2.70	10"	24° 30'	3.10
14"	288° 30'	2.00	12"	25° 00' ✓	3.10
10"	176° 00'	.75	10"	26° 30'	3.10
16"	291° 00'	2.05	10"	27° 30'	3.10
12"	47° 00'	1.70	12"	310° 00'	5.00
12"	192° 30'	.80	16"	258° 00'	1.75
14"	301° 30'	2.80	10"	261° 00'	1.90
12"	48° 00'	3.35	12"	302° 00'	4.50
15"	304° 30'	3.10	24"	278° 00'	3.00.

15 2 1
 2 4 1
 7 6 1
 8 4 1
 6 4 1

919

066
 790
 2065

[Scribbled out text]

U 2849

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	II
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	26.2	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 $41.9 + (20 - 16) \div 2$ or 2 ft. added to 41.9 = 43.9. For slopes of 1 on 1 see inside of front cover.

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