

Drain #7

Book II

Topography & Shed Line
LEVEL BOOK

370
Prelim. Levels

1075

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 1 TO 1.

FOR SINGLE TRACK EXCAVATION.

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	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.

DRAINAGE

DISTRICT

NO. 7

BLACK H.

W. E. Keuffel
COUNTY AUDITOR

FEB 10 '20

FILED

Line

Page

Main. 66

Lat. 2 1304104

4 116

5 116

6 118

7 120

3 122

2-G 112

3-A 132

Topog Cont from A 38 BK 1.

A	219 $\frac{1}{2}$	2300	
A	218 $\frac{1}{4}$	1860	
A	217 $\frac{1}{4}$	1560	
H	128$\frac{3}{4}$	1540	
A	225 $\frac{1}{2}$	1380	cor NSREW fence
A	211 $\frac{1}{4}$	1520	
A	208 $\frac{3}{4}$	1000	
A	213 $\frac{3}{4}$	1980	
A	211	1980	
H	193 $\frac{1}{2}$	1860	a cross
A	209 $\frac{1}{2}$	1780	NS fence
H	199	1840	
H	200 $\frac{1}{2}$	1980	
A	201	1580	cor NSREW fence
H	202 $\frac{1}{2}$	1980	
H	203 $\frac{1}{4}$	2100	
H	204 $\frac{1}{4}$	2200	

A	201 $\frac{1}{2}$	1800	
A = H	203 $\frac{1}{2}$	1920	close
A = H	204 $\frac{1}{2}$	1520	island
A	201 $\frac{1}{2}$	1500	
H	209 $\frac{1}{2}$	1460	
H	211	1360	
A	201	1260	
H	210 $\frac{3}{4}$	1240	
A	203 $\frac{1}{4}$	1120	
H	209 $\frac{1}{4}$	1120	
H	187 $\frac{3}{4}$	1015	
H	123 $\frac{1}{4}$	1380	center of island 100' in diam.
H	130 $\frac{1}{2}$	1360	
H	132 $\frac{3}{4}$	1280	
H	193	1300	
H	147 $\frac{1}{2}$	1360	
H	153	1260	

H 162 11 60
 H 169 $\frac{3}{4}$ 11 60
 H 173 12 20
 H 177 $\frac{3}{4}$ 12 80
 H 183 $\frac{1}{4}$ 13 80
 H 182 15 20
 H 179 $\frac{3}{4}$ 15 40
 H 180 16 40

Δ 40 185°-19' 1980 N 46 E

On Δ 40

BS Δ 38 0 S 46 NW

connected to a cross
 from Δ 38

H 313 $\frac{3}{4}$ 290

5" Tile out 10' +
 100' N 117° N E

A 315 $\frac{1}{4}$ 50

H 338 $\frac{3}{4}$ 250

A 129 $\frac{1}{2}$ 55° $\frac{1}{2}$ E NS

H 319 $\frac{1}{2}$ 170 $\frac{1}{2}$ E NS

A 171 $\frac{3}{4}$ 180

H 242 $\frac{3}{4}$ 150

A 174 $\frac{1}{4}$ 290

H 226 $\frac{3}{4}$ 270

A 167 $\frac{1}{2}$ 390

H 218 $\frac{3}{4}$ 390

H 218 620

Δ 41 139°-31' 510 N 5 $\frac{1}{2}$ E

H 213 $\frac{1}{2}$ 1840

Tie 162°-22' N 28 $\frac{1}{2}$ E

chimney
 on farm
 house

H 204 $\frac{1}{2}$ 980

Δ 22 350°-8' S 36 NW

On Δ 41

BS Δ 40 0 510 55 $\frac{1}{2}$ W

H 289 620

H 291 510

A 311 $\frac{1}{2}$ 250

H 282 $\frac{1}{4}$ 500

A	273 $\frac{1}{4}$	370	
H	265 $\frac{3}{4}$	620	
H	262 $\frac{3}{4}$	730	
A	259	630	
H	257 $\frac{1}{2}$	880	
A	244	830	
H	257	1000	
A	240	870	
A	238 $\frac{3}{4}$	990	
H	253 $\frac{1}{2}$	1320	E NS road
A	243 $\frac{3}{4}$	1120	
H	254 $\frac{1}{4}$	1400	
H	250 $\frac{3}{4}$	1480	
A	247 $\frac{1}{2}$	1340	
H	247 $\frac{1}{2}$	1380	E NS road
Tie	207° 56'	N 33 $\frac{1}{2}$ ° E	Chimney on Farm house
A 22	27° - 46'	S 33 $\frac{1}{4}$ ° W	

A 34	33° - 28'	S 39° W	
A = H	210 $\frac{3}{4}$	385	
A			
H	232 $\frac{3}{4}$	250	
H	217 $\frac{3}{4}$	130	
A	218 $\frac{3}{4}$	600	
H	158	130	NS fence
A	210 $\frac{1}{4}$	710	
H	131 $\frac{1}{2}$	210	
H	123	320	
H	121 $\frac{3}{4}$	410	
A	187 $\frac{3}{4}$	640	
A ⁵	172 $\frac{1}{4}$	560	NS fence
H	112 $\frac{3}{4}$	500	cross over
H	125	550	a cross
A	173 $\frac{1}{2}$	855	E NW road & $\frac{1}{2}$ E NS
HV	128 $\frac{1}{4}$	630	

A⁶ 138 $\frac{1}{4}$ 660

H₃ 125 680

A⁷ 131 $\frac{1}{4}$ 750

A⁸ 133 $\frac{1}{4}$ 840

A⁹ 135 $\frac{1}{2}$ 920

H₄ 107 $\frac{3}{4}$ 800

A¹⁰ 123 $\frac{1}{2}$ 940

A¹¹ 110 1080 cross over

A¹² 103 $\frac{1}{2}$ 1080 a cross

On 125

BS Δ 38 0 2280 N 42 $\frac{1}{2}$ W

A 29 $\frac{1}{4}$ 1070

A 55 1010

A 72 $\frac{3}{4}$ 1020

H 349 $\frac{1}{2}$ 790 EW fence

A 78 810

H 329 $\frac{1}{2}$ 650

A 86 $\frac{1}{2}$ 600

H 326 490

H 345 $\frac{1}{4}$ 500 island

H 358 320 NS fence

A 113 490

H 15 $\frac{3}{4}$ 290

H 10 $\frac{1}{2}$ 420 NS fence

A 159 440

H 302 $\frac{1}{2}$ 580 close island

A 177 290

H 348 $\frac{1}{2}$ 680 Tile

A 189 $\frac{3}{4}$ 240

H 342 600 Tile

A 199 $\frac{1}{2}$ 35

H 339 $\frac{1}{4}$ 500 Tile

A 318 $\frac{1}{2}$ 140

A=H 321 $\frac{3}{4}$ 230 close

These 2
shots are
same place
as 2 shots
from A 24

				680
$\Delta 24$	177° 27'	1360	545 $\frac{1}{4}$ E	
A	17	510	cor NSEW fence	
A	16 $\frac{1}{4}$	540	End of tile line	
A	18 $\frac{1}{2}$	620	" " " "	
A	23 $\frac{1}{4}$	770	" " " "	
A	29 $\frac{1}{4}$	680	island	
A	37 $\frac{3}{4}$	740		
A	46 $\frac{1}{4}$	680		
A	61	570		
A	71 $\frac{3}{4}$	500		
A	66 $\frac{1}{2}$	400		
A	44 $\frac{1}{2}$	390		
A	39 $\frac{1}{2}$	450		
A	30 $\frac{1}{4}$	590		
A	29 $\frac{1}{4}$	680	close island	
$\Delta 10$	214° 49'		57 $\frac{3}{4}$ E	
A	180 $\frac{1}{2}$	275	<u>divide</u>	

Sat Oct 18 1919

On A 35'

BS Δ 22 O 1790 N 67 1/4 E

A 320 3/4 350

A 274 1/2 350

A 262 3/4 450

A 261 1/4 500

A 253 3/4 650

A 244 890 cross over

H 111 1/2 530

H 130 1/4 560

H 145 730

H 154 890

H 164 1/4 1030

Δ 42 245-18' 1720 N 47 1/2 W

H 169 3/4 1160

H 179 1220

H 185 1/2 1460

A 247 1/2 620 across

H 192 1/2 1000

A 252 490

H 194 3/4 1460

A 260 3/4 310

A 258 140

H 202 1/4 1180

A 352 3/4 190 close

H 198 3/4 920

A 106 1/4 170 same draw as H

H 191 1/2 670

A 179 1/4 230

H 186 3/4 460

A = H 187 3/4 390 close

Tie 332-22' N 39 3/4 E chimney on farm base

Δ 23? 29-5' S 83 1/2 E

On A 42

BS Δ 35 0 1720 547½ E

H 352 1090 start other draw

H 357½ 850

H 7¼ 630

H 8½ 465 ~~£~~ EW road

H 4½ 400

H 326 280

H 277¾ 320

A 358¾ 1100 start at crossover

A 1½ 1010

A 8 1020

A 14 1020

H 249¾ 420

A 23½ 860

A 26¾ 825 NS' fence

H 258¼ 550

A 29 660

H 267½ 650

A 29½ 570

H 282¼ 700

A 18 600 NS fence

H 303 720

A 7½ 750

H 306¼ 880

A 1¼ 870 close with crossover

H 304½ 940

A 359 1010 same drain as H

A 349½ 1050

A 399 960

A 342½ 900 ~~£~~ EW road

Δ 36 308° 36' 1660 N 81¼ E

A 335¾ 850

A 331¼ 980

A 330' $\frac{1}{4}$ 1100A 328' $\frac{1}{2}$ 1200A 324' $\frac{3}{4}$ 1220

On A36

BSA22 0

S60' $\frac{1}{2}$ EA42 141' $\frac{1}{2}$ 29'S81' $\frac{1}{4}$ WH 106' $\frac{1}{2}$ 600

H & A change sides

H 116' $\frac{3}{4}$ 520H 125' $\frac{1}{4}$ 550A 144' $\frac{1}{4}$ 780H 149' $\frac{1}{4}$ 480A 151' $\frac{1}{4}$ 750H 151' $\frac{1}{2}$ 360

A 158 760

H 126' $\frac{1}{4}$ 280A 161' $\frac{1}{2}$ 960H 89' $\frac{1}{2}$ 360A 164' $\frac{1}{4}$ 1020

close with Hs

H 66' $\frac{3}{4}$ 430 tapag from A22A 173' $\frac{1}{4}$ 920H 62' $\frac{1}{2}$ 620 E W. road & fence southA 172' $\frac{3}{4}$ 790A 177' $\frac{1}{2}$ 690A 183' $\frac{3}{4}$ 890H 55' $\frac{3}{4}$ 240NS fence
start at cross over
Note

A 189 1060

H 241 70

Land between
this draw and
the one East is
Semi WetA 190' $\frac{1}{4}$ 1240H 249' $\frac{3}{4}$ 210 NS fenceA 190' $\frac{3}{4}$ 1440H 255' $\frac{3}{4}$ 400A 189' $\frac{3}{4}$ 1580H 244' $\frac{1}{4}$ 660 NS E W fenceA 187' $\frac{1}{4}$ 1760

A	243 $\frac{1}{4}$	930	
H	243	1200	
H	243 $\frac{1}{4}$	1380	
A	192 $\frac{3}{4}$	1860	
A	195 $\frac{1}{2}$	1900	
A	207	2020	
A	212 $\frac{3}{4}$	2240	fence
H	244 $\frac{1}{4}$	1660	
H	243 $\frac{3}{4}$	1780	
Tie	284°30'	N44 $\frac{1}{2}$ E	Chimney on farm house
Δ 43	238°-6'	1980	N2 $\frac{1}{4}$ W
Δ 38?	296°-51'		N56 $\frac{1}{2}$ E
On Δ 43			
BS Δ 36	0	1980	52 $\frac{1}{4}$ E
Δ 37	266°-37'		N84 $\frac{1}{4}$ E
Δ 34?	306°5'		S56 $\frac{1}{4}$ E Lathe driven
Δ 42	36°-59'		S34 $\frac{3}{4}$ W

A	95 $\frac{1}{4}$	880	
A	97 $\frac{1}{2}$	610	
A	106 $\frac{3}{4}$	490	
A	135 $\frac{1}{4}$	570	
A	192	820	
A	142 $\frac{1}{2}$	960	
A	156 $\frac{1}{4}$	1180	
A	141 $\frac{3}{4}$	1420	
A	147 $\frac{3}{4}$	1400	
A	170 $\frac{1}{2}$	1580	
A	165 $\frac{1}{4}$	1740	
A	165 $\frac{1}{2}$	1920	
A	171	1900	
H	286	130	cor not on top of N5EW fence
H	325 $\frac{1}{2}$	230	
H	9 $\frac{1}{4}$	110	
H	66 $\frac{1}{4}$	65	E W fence

H	214½	60	
H	187	410	
H	194¾	550	
H	192½	750	
H	198¼	910	
H	185	950	
Δ 44	190°-32'	1660	N8¼E
Δ 38	277°-22'	1660	S84¾E
			O/S. too great
H	275½	970	EW fence
H	271¾	960	
H	271½	1050	
H	275¾	1160	EW fence
H	277¾	1240	
H	277½	1300	
H	308½	1380	Tile
H	312¼	1540	Tile 8"
H	311¼	1460	Tile

H	303½	1220	
H	277½	1280	
H	275¼	1280	EW fence
H	269¾	1380	
H	270½	1580	
H	269¼	1800	
H	269½	1860	
H	260¾	1760	
H	262¼	1940	<u>Divide</u>
H	259¾	1790	
H	255¼	1640	
H	255	1540	
H	260½	1460	
H	262¼	1140	
H	261¼	1020	
H	256¾	970	
H	263½	820	other line parallel to this and W Tile

H	242 $\frac{3}{4}$	820	Tile
H	250 $\frac{3}{4}$	920	
H	244 $\frac{1}{4}$	930	
H	245 $\frac{1}{2}$	1010	
H	250 $\frac{3}{4}$	1130	
H	257 $\frac{1}{4}$	1320	
H	255	1440	
H	246 $\frac{1}{4}$	1300	
H	239 $\frac{3}{4}$	1200	
H	235 $\frac{1}{4}$	1240	
H	232 $\frac{3}{4}$	1420	
A	316 $\frac{1}{4}$	390	E side of island?
A	322 $\frac{1}{2}$	360	
H	231 $\frac{1}{4}$	1600	
A	327 $\frac{1}{2}$	255	
A	281	240	
A	235$\frac{1}{4}$	320	

A	263 $\frac{1}{4}$	360	5
A	248 $\frac{1}{4}$	480	15
A	233 $\frac{1}{4}$	610	
A	220	700	
H	214 $\frac{1}{4}$	1180	Tile
A	205	700	
A	201 $\frac{3}{4}$	890	
On 44			
BSA 43	0	1660	58 $\frac{1}{4}$ W
A	349	850	
A	358 $\frac{1}{4}$	740	NS fence
A	5 $\frac{3}{4}$	620	
A	6 $\frac{3}{4}$	490	
A	4	340	NS fence
A	338	200	
H	321	630	Tile
A	258 $\frac{1}{4}$	100	

A	184	140	
A	72 $\frac{3}{4}$	60	NS fence
A	20 $\frac{3}{4}$	250	
H	293	1140	NS fence
A	18 $\frac{3}{4}$	440	
A	16 $\frac{1}{2}$	520	close island
H	278 $\frac{3}{4}$	1200	
H	267 $\frac{3}{4}$	1360	
A	126 $\frac{1}{4}$	280	island 200' diam
H	243 $\frac{3}{4}$	1400	cross over
$\Delta 45$	267°-20'	1620	584 $\frac{1}{2}$ E
A	101	670	
A	110 $\frac{1}{2}$	810	
A	109 $\frac{1}{4}$	950	
H	244 $\frac{3}{4}$	1300	across
A	113 $\frac{3}{4}$	1040	
A	122 $\frac{1}{4}$	920	

H	237 $\frac{1}{2}$	1200	
A	140	730	
H	229 $\frac{3}{4}$	1320	
H	219 $\frac{3}{4}$	1200	
A	150 $\frac{1}{2}$	770	
H	215 $\frac{1}{4}$	1290	E FW road
A	142 $\frac{1}{2}$	880	
H	233 $\frac{3}{4}$	1120	slight ridge
A	177 $\frac{1}{4}$	980	road & culvert
H	241 $\frac{1}{2}$	920	same ridge
H	249 $\frac{3}{4}$	770	" "
$\Delta 46$	186°-41'	1660	N 15 E
On $\Delta 45$			
B5 $\Delta 44$	0	1620	N 84 $\frac{1}{2}$ W
$\Delta 39$	198°-20'	485	566 E
H	23	340	
H	50	230	

H	97	190	
H	156 $\frac{1}{4}$	270	
H	178 $\frac{3}{4}$	460	
A	68°	1150	EW road NS fence
H	193 $\frac{1}{4}$	650	
H	188 $\frac{1}{2}$	890	
A	56 $\frac{1}{4}$	770	NS fence
H	191 $\frac{1}{2}$	1080	
A	72	690	
H	188 $\frac{1}{2}$	1200	
H	181 $\frac{1}{2}$	1320	
A	86 $\frac{1}{4}$	860	
A	92 $\frac{1}{4}$	940	
H	173 $\frac{1}{4}$	1480	
A	103	900	
H	164	1560	(close) cross over
A	117 $\frac{1}{4}$	890	

			(close)
H	160 $\frac{3}{4}$	1600	a cross
A	128 $\frac{1}{2}$	940	
H	158 $\frac{3}{4}$	1240	
A	134 $\frac{3}{4}$	1040	
H	154 $\frac{3}{4}$	1060	
A	138	1240	
H	153	1080	
A	143	1300	
H	153 $\frac{1}{2}$	1280	
A	146	1420	
H	155	1480	
A	147 $\frac{3}{4}$	1440	
A 46	50°29'		N 33 $\frac{3}{4}$ W
On A 46			
B 5094	O	1660	S 14 $\frac{3}{4}$ W
A 45	310°-9'	2130	S 34 E
H	309 $\frac{1}{2}$	810	EW road

A	345 $\frac{3}{4}$	640	E road & small tile culvert
H	291 $\frac{1}{4}$	690	
H	272 $\frac{1}{4}$	720	
H	259 $\frac{3}{4}$	890	NS fence
A	339 $\frac{1}{2}$	620	6" tile outlet
H	258 $\frac{1}{4}$	1190	
H	254	1240	
H	253 $\frac{1}{2}$	1550	Cross over
A	358 $\frac{1}{4}$	635	end of 12" tile
$\Delta 47$	237 $^{\circ}$ 14'	1560	N72 $\frac{1}{4}$ E
A	13	720	E road & culvert
A	21 $\frac{1}{4}$	780	E road & NS fence
A	19	560	
H	251	820	Tile
A	41	375	
A	42	300	
A	1 $\frac{1}{4}$	310	

H	266 $\frac{1}{4}$	610	Tile
A	310 $\frac{1}{4}$	300	
H	271 $\frac{3}{4}$	450	Tile
A	281 $\frac{1}{2}$	380	
A	266	450	
A	246 $\frac{3}{4}$	520	
H	244 $\frac{3}{4}$	580	island
A	234 $\frac{1}{2}$	560	
H	236 $\frac{1}{2}$	720	
A	218 $\frac{3}{4}$	550	E fence
H	237 $\frac{1}{2}$	860	
A	201 $\frac{3}{4}$	590	
H	232 $\frac{1}{4}$	955	NS road
A	182 $\frac{3}{4}$	660	
H	241	960	
H	245 $\frac{1}{4}$	920	NS road
A	178 $\frac{3}{4}$	1000	

H	247 $\frac{3}{4}$	720	
H	249 $\frac{1}{2}$	620	
A	181	1230	EW fence
H	240 $\frac{1}{2}$	640	close island
A	191 $\frac{3}{4}$	1320	
A	199 $\frac{3}{4}$	1360	
H	222 $\frac{1}{4}$	1080	NS road, across
A	203 $\frac{1}{2}$	1420	
H	211	990	
H	201 $\frac{3}{4}$	1000	
A	195 $\frac{1}{2}$	1140	
H	195 $\frac{3}{4}$	1100	
T10	251° 57'	1586 $\frac{3}{4}$ E	chimney on farm house
On A 47			Point on small island running 100° NE 25° W 75' wide point on S.W. end
BS A 46	O	1550	572 $\frac{1}{4}$ W
T10	201° 36'	586 $\frac{1}{2}$ E	chimney on farm house
H	275 $\frac{1}{4}$	390	

H	258 $\frac{3}{4}$	520	
A	30 $\frac{1}{2}$	570	NS road
A	48 $\frac{1}{4}$	420	
A	70 $\frac{3}{4}$	270	
A	103 $\frac{1}{4}$	300	
H	238 $\frac{1}{4}$	720	
A	123 $\frac{3}{4}$	480	
H	231 $\frac{1}{4}$	890	NS fence
A	153 $\frac{1}{4}$	560	
A	140 $\frac{1}{4}$	740	
H	217 $\frac{1}{2}$	990	
A	196 $\frac{3}{4}$	740	
H	215 $\frac{1}{4}$	1040	
A	137 $\frac{1}{4}$	950	
H	217	1200	
A	153 $\frac{1}{2}$	910	
H	219 $\frac{3}{4}$	1430	

A	152 $\frac{3}{4}$	1080	
H	223	1540	
H	222 $\frac{3}{4}$	1700	
H	216 $\frac{1}{2}$	1660	
H	215	1566	
Δ 48	165° 57'	1460	N 58 E
H	215	1400	
H	215 $\frac{1}{4}$	1200	
H	212 $\frac{1}{2}$	1130	
On Δ 48			
BS Δ 47	O	1460	558 W
Tile	237° 59'		chimney S 64 E on farm house
H	355 $\frac{1}{4}$	1400	Tile
H	352 $\frac{3}{4}$	1260	Tile
A	30	490	
H	351	1060	Tile
A	46	530	

H	348 $\frac{1}{4}$	850	Tile
A	44	670	
A	40	760	
A	44	660	
H	310 $\frac{1}{2}$	1070	
A	53 $\frac{1}{2}$	930	
H	314 $\frac{3}{4}$	910	
A	52 $\frac{1}{4}$	730	
H	303 $\frac{1}{4}$	720	
A	63	620	
H	290 $\frac{1}{2}$	550	
A	76 $\frac{1}{4}$	630	N S fence
A	82	650	
H	268	590	
A	89	640	
H	256 $\frac{1}{4}$	630	
A	90	800	N 58 E W fence

H 261 $\frac{1}{4}$ 970A 94 $\frac{3}{4}$ 970

H 257 1180 NS fence

A 109 420

H 255 $\frac{1}{2}$ 1320A 118 $\frac{1}{4}$ 580H 255 $\frac{3}{4}$ 1560 cross overA 133 $\frac{3}{4}$ 560A 128 $\frac{3}{4}$ 380A 117 $\frac{3}{4}$ 370A 49 263-26^{50"} 1790 538 $\frac{3}{4}$ E

A 115 620

H 244 $\frac{1}{4}$ 1500A 177 $\frac{1}{4}$ 135H 242 $\frac{1}{2}$ 1300A 178 $\frac{1}{2}$ 240H 237 $\frac{3}{4}$ 1160A 186 $\frac{1}{4}$ 410H 236 $\frac{3}{4}$ 940A 184 $\frac{3}{4}$ 580H 236 $\frac{1}{2}$ 760A 183 $\frac{1}{2}$ 760H 282 $\frac{1}{4}$ 680A 179 $\frac{1}{2}$ 900H 222 $\frac{1}{2}$ 730A 179 $\frac{1}{4}$ 980H 215 $\frac{3}{4}$ 860 NS fenceA 175 $\frac{1}{4}$ 1100 NS EW fenceH 215 $\frac{1}{2}$ 1030H 216 $\frac{1}{4}$ 1280

A 186 1020

A 188 $\frac{1}{2}$ 1120

A 188 1240

A 193 $\frac{3}{4}$ 1220

A 198 $\frac{1}{4}$ 1280
 A 203 $\frac{1}{4}$ 1900
 A 204 $\frac{1}{4}$ 1540
 A 208 $\frac{1}{2}$ 1660
 A 212 $\frac{1}{2}$ 1760
 Δ 50 215°-5' 2200 587 E
 Δ 46 7°-13' 565 $\frac{1}{2}$ W
 On Δ 49
 890
 BS Δ 48 0 1780 N38 $\frac{1}{2}$ W
 A 40 $\frac{1}{4}$ 300
 Δ 41 280°-39' 512 W
 A 92 $\frac{1}{2}$ 250
 A 125 $\frac{1}{4}$ 340
 A 142 $\frac{3}{4}$ 380
 A 143 $\frac{3}{4}$ 510
 A 146 $\frac{3}{4}$ 570
 H 53 620

A 147 $\frac{3}{4}$ 790
 H 81 $\frac{3}{4}$ 560
 H 102 610
 A 151 $\frac{1}{4}$ 1090 E NS road
 H 121 $\frac{3}{4}$ 770
 A 161°6' 1180 ⁵⁴⁰ Cor NS & EW road
 H 127 $\frac{1}{2}$ 1020
 A 158 $\frac{1}{4}$ 1220
 H 125 $\frac{3}{4}$ 1110
 A 154 $\frac{1}{4}$ 1440
 H 128 $\frac{1}{2}$ 1220
 A 145 $\frac{1}{4}$ 1370
 H 129 $\frac{3}{4}$ 1460
 A 140 $\frac{3}{4}$ 1480
 H 127 $\frac{1}{4}$ 1620
 A 136 $\frac{1}{4}$ 1640
 H 127 $\frac{1}{4}$ 1750

A 132 $\frac{3}{4}$ 1820
 H 129 $\frac{1}{2}$ 1920
 A 132 $\frac{1}{4}$ 1940
 H=A 131 1980 close
 Tie 104°-35' N66E chimney
 on farm house
 Δ 5-1 121°-37' 2000 N83 $\frac{1}{4}$ E
 On Δ 50
 BSA 48 O 2200 N87W
 H 210 $\frac{1}{4}$ 1060
 Δ 5-1 225°-11' 1380 S41 $\frac{3}{4}$ E
 H 218 $\frac{1}{4}$ 1070
 H 222 $\frac{1}{4}$ 960
 A 208 1040
 H 219 $\frac{3}{4}$ 760
 A 205 890
 H 221 $\frac{1}{2}$ 560
 H 223 $\frac{1}{2}$ 420

A 193 920
 A 189 $\frac{1}{2}$ 700
 H 275 $\frac{3}{4}$ 190 N.S. road
 A 186 $\frac{1}{2}$ 550
 H 285 $\frac{3}{4}$ 80 E N.S. road & culvert
 A 80 $\frac{1}{2}$ 190
 H 338 $\frac{3}{4}$ 370
 A 122 75
 H 316 $\frac{1}{4}$ 410
 A 120 $\frac{1}{4}$ 150
 A 130 $\frac{1}{4}$ 210
 H 271 $\frac{1}{4}$ 480 E N.S. road
 A 103 $\frac{1}{2}$ 200
 H 240 520
 H 246 $\frac{3}{4}$ 840
 A 86 $\frac{1}{4}$ 730 E N.S. road & E.W. fence
 H 255 $\frac{3}{4}$ 860

A	85 $\frac{3}{4}$	520	↖ NS road & S school fence
H	270	790	↖ NS road
H	282 $\frac{3}{4}$	650	
A	43 $\frac{3}{4}$	300	
H	297 $\frac{1}{4}$	630	
A	19	440	
H	317 $\frac{3}{4}$	630	
A	10 $\frac{1}{4}$	440	close
H	330 $\frac{3}{4}$	570	
H	346 $\frac{3}{4}$	670	
H	359	900	
Tie	277°-28	510 $\frac{1}{2}$ W	chimney on house

Proposed Cut Off Along EW road

Inst on E road S of SE 1/4 15-89-12

DIS. W 840' to tile outlet

" E 280' to sec cor

" W 1100' to Bridge E end

" E 410' to culvert

Levels along road W from culvert
 (from culvert west Sta. culvert=0)

	990	Top 12" tile at 0+50
0	930	
2	820	
4	650	
5	620	
6	640	
7	640	
8	605	
9	600	
10	575	
11	595	
12	970	

On Δ 43

BS Δ 36 O S 2 1/4 E

H 101 1/4 460

H 81 1/4 450

H 64 1/4 520

H 65 3/4 580

Δ 52 106° 42' 16 30 N 81 1/2 W

H 91 1/4 620 EW fence

On Δ 52

BS Δ 43 O 1630 S 81 1/2 E

H 53 1/2 1660

A 5 3/4 1030

H 58 1/4 1380

A 1 1/4 830

H 64 3/4 1260

A 354 3/4 720

H 75 1/4 1160

A 336 1/2 830

A 330 1010

H 92 3/4 1120

A 328 1/4 1080

H 98 3/4 900

A 310 3/4 840

H 105 3/4 710

H 117 1/2 670

A 333 1/2 730

H 125 3/4 710

A 345 1/4 630

H 149 3/4 530 EW fence

A 393 470

A 335 450

A 323 3/4 490

H 160 910

A 307 560

not on topog
NS 2 EW fence

A	291 $\frac{3}{4}$	460	
H	165 $\frac{1}{4}$	670	pond
H	172	690	
A	328	300	
H	176 $\frac{1}{2}$	570	
A	357	320	
H	166 $\frac{1}{2}$	550	
A	28 $\frac{1}{4}$	170	
H	165 $\frac{3}{4}$	680	close pond
A	113	100	
H	165	460	
A	228 $\frac{1}{4}$	180	
H	193	450	
A	243 $\frac{1}{4}$	350	
H	215	600	
A	268 $\frac{1}{4}$	400	
H	221 $\frac{1}{4}$	620	

A	282 $\frac{1}{4}$	490	
H	230 $\frac{1}{4}$	570	
H	238 $\frac{3}{4}$	480	
A 42?	80°-12'		51 $\frac{1}{4}$ E
H	252 $\frac{1}{4}$	370	} H correct
H	249 $\frac{1}{2}$	300	
A 37	351°-27'		N 90 E

46

Shed Line

{ Tues. Mornin
Oct. 21. 10.30.

Sta Az. Dist M.B.

On 5-D 0 50E

BS 40 50°-54' 55W

H 106 $\frac{3}{4}$ 1440 E bank of creek EIK RunH 96 $\frac{3}{4}$ 1460H 91 $\frac{3}{4}$ 1500

H 85 1690

a 62 $\frac{1}{4}$ 1460b 68 $\frac{1}{4}$ 1400

H 79 1760

c 71 $\frac{3}{4}$ 1380d 71 $\frac{1}{4}$ 1180e 72 $\frac{3}{4}$ 1080f 76 $\frac{1}{2}$ 1000

H 71 1980

g 86 $\frac{1}{4}$ 990h 103 $\frac{1}{4}$ 1030 EW fence

i 115 1090

47

j 127 $\frac{1}{2}$ 1180

k 136 1380

l 142 $\frac{1}{2}$ 1380m 152 $\frac{3}{4}$ 1460n 160 $\frac{3}{4}$ 1500

o 164 1620 EW fence

p 163 1840

O-1 165°-18' 2060 N 14 $\frac{1}{2}$ WOn 5-1 2040 N 14 $\frac{1}{4}$ WA 308 $\frac{1}{4}$ 695 cor NS EW fencea 193 $\frac{1}{2}$ 140b 206 $\frac{3}{4}$ 350 True shed runs East from here{ c 184 $\frac{1}{2}$ 400{ d 176 $\frac{3}{4}$ 510e 226 $\frac{1}{4}$ 400f 245 $\frac{3}{4}$ 610 NS fence

g 254 890

		30°	
h	254 $\frac{3}{4}$	920	
i	249	1120	
j	243 $\frac{1}{4}$	1260	
k	239	1300	
l	229 $\frac{1}{2}$	1120	
m	215	960	EW fence
1-2	202°-42'	1570	N23 $\frac{1}{4}$ E
On S-2		1570	N23 $\frac{1}{4}$ E not on Shed
a	35	730	
b	51 $\frac{1}{4}$	810	
c	56 $\frac{3}{4}$	750	
d	63 $\frac{1}{4}$	660	
e	81 $\frac{1}{2}$	540	
H ₁	61 $\frac{3}{4}$	790	Topog.
f	96 $\frac{1}{4}$	510	
g	113 $\frac{1}{4}$	570	
H ₂	88 $\frac{1}{4}$	520	

H ₃	108	500	
h	130	510	
H ₄	125	480	
i	195 $\frac{3}{4}$	570	
H ₅	149	310	
j	195 $\frac{1}{4}$	740	
H ₆	167 $\frac{1}{4}$	190	
k	141 $\frac{1}{4}$	1000	E EW road
H ₇	255 $\frac{1}{4}$	300	
H ₈	270 $\frac{3}{4}$	450	
l	150	1270	
H ₉	289	440	
H ₁₀	287 $\frac{1}{2}$	330	
H ₁₁	264 $\frac{1}{4}$	130	
A 42	168°-0'	1170	N16 $\frac{1}{2}$ W
H ₁₂	153 $\frac{1}{2}$	100	
2-3	157°-15'	1360	N22 $\frac{1}{4}$ W

H 111 125

H 11 120

On S-3 1360 N22 $\frac{1}{4}$ W Δ 42 306°-28' 230 S53Ea 173 $\frac{1}{4}$ 120b 173 $\frac{1}{4}$ 290

c 195 470

d 195 620

e 174 $\frac{1}{4}$ 815f 165 $\frac{1}{2}$ 1090g 159 $\frac{3}{4}$ 1360 Δ 52 182°-30' N3Eh 152 $\frac{1}{4}$ 1960i 150 $\frac{1}{4}$ 1600 NS fence

j 157 2180 NS fence

3-4 162°-6' 2100 N17 $\frac{1}{4}$ WOn S-4 2100 N17 $\frac{1}{4}$ Wa 139 $\frac{1}{4}$ 210 center sectionb 163 $\frac{1}{2}$ 470 NS fence Δ 52 295°-10' N65 $\frac{3}{4}$ Ec 183 $\frac{3}{4}$ 590d 193 $\frac{1}{4}$ 710 Δ 43 267°-3' N87 $\frac{3}{4}$ Ef 202 $\frac{1}{2}$ 860

g 206 980

h 214 1050

i 225 $\frac{3}{4}$ 1060j 227 $\frac{3}{4}$ 1320k 229 $\frac{3}{4}$ 1540

l 231 1670

4-5 229°-2' 1920 N49 $\frac{3}{4}$ EOn S-5 1820 N49 $\frac{1}{2}$ Ea 169 $\frac{3}{4}$ 290b 176 $\frac{1}{2}$ 580

$\Delta 52$ $36^{\circ}-19'$ 1040 S37W

c $180\frac{1}{2}$ 810

$\Delta 44$ $249^{\circ}-59'$ N65 $\frac{1}{2}$ E

d $188\frac{3}{4}$ 960

5-6 $188^{\circ}-47'$ 1100 N9 $\frac{1}{2}$ E

On 5-6 1100 N9 $\frac{1}{4}$ E
true shed 50 E

a $183\frac{1}{4}$ 490 $\frac{1}{2}$ EW road

6-7 $221^{\circ}-48'$ 700 N42 $\frac{1}{2}$ E

On 5-7 700 N42 $\frac{1}{2}$ E Not on
shed

$\Delta 46$ $240^{\circ}-13'$ N60 $\frac{3}{4}$ E

a 196 170

b $212\frac{3}{4}$ 730

c $218\frac{1}{4}$ 970

d $218\frac{3}{4}$ 1190

e $219\frac{3}{4}$ 1560

7-8 $212^{\circ}-3'$ 1800 N32 $\frac{3}{4}$ E

On 5-8 1800 N32 $\frac{3}{4}$ E

a $204\frac{3}{4}$ 260 EW fence

$\Delta 44$ $8^{\circ}-11'$ S8 $\frac{1}{2}$ W

b $234\frac{1}{2}$ 560

$\Delta 46$ $357^{\circ}-24'$ 960 S2E

c $247\frac{1}{4}$ 1070 N5 road

d $255\frac{1}{2}$ 1380

Tie $277^{\circ}-46'$ 581 $\frac{1}{2}$ E on farm house chimney

8-9 $249^{\circ}-7'$ 1660 N70 E

On 5-9 1660 N69 $\frac{3}{4}$ E

a $198\frac{1}{2}$ 490 EW fence

$\Delta 50$ $276^{\circ}-15'$ S83E

b $198\frac{3}{4}$ 660

$\Delta 49$ $305^{\circ}-24'$ S59E

H $127\frac{3}{4}$ 700 $\frac{1}{2}$ NS road $\frac{1}{2}$ EW fence

$\Delta 48$ $242^{\circ}-42'$ S76 $\frac{3}{4}$ E

9-10 $258^{\circ}-43'$ 1620 N79 $\frac{1}{4}$ E

On S-10 1610 N79 $\frac{1}{4}$ E Not on shed

a 119 $\frac{1}{4}$ 730 N S fence

b 122 $\frac{1}{4}$ 730

Δ 50 290°-39' 568 $\frac{1}{2}$ E

c 125 $\frac{3}{4}$ 440

Δ 49 339°-2' 520 $\frac{1}{4}$ E

d 131 $\frac{3}{4}$ 130 $\frac{1}{4}$ E E W

e 261 $\frac{1}{4}$ 500 shed & prop. cor.

f 271 $\frac{1}{2}$ 780

g 274 1020

h 273 $\frac{1}{2}$ 1300

i 273 $\frac{1}{4}$ 1520

Δ 48 32°-33' 533 $\frac{1}{4}$ W

10-11 274°-56' 1850 589 $\frac{1}{4}$ E

On S-11 1840 584 $\frac{1}{4}$ E

Δ 49 30°-33' 531 W

a 166 130 E NS road

b 265 $\frac{1}{2}$ 170 E school fence

c 285 $\frac{1}{4}$ 350

d 293 $\frac{1}{2}$ 680

e 291 $\frac{1}{2}$ 1120

Δ 50 1°-15' 1060 52 W

f 302 $\frac{1}{4}$ 1320

g 308 $\frac{1}{4}$ 1500

h 315 $\frac{1}{4}$ 1580

i 322 $\frac{1}{2}$ 1700

11-12 329°-17' 1800 S 30 $\frac{1}{4}$ E

Δ 51

On S-12 1800 S 30 E

Δ 49 82°-19' 583 W

a 306 $\frac{1}{2}$ 230

b 312 $\frac{3}{4}$ 480 NS fence

Δ 50 137°-39' N 41 $\frac{3}{4}$ W

c 302 $\frac{3}{4}$ 780

d 297 $\frac{1}{2}$ 1020

c	298	1260	
12-13	310°-56'	1390	548½°E
On S-13		1400	548½°E
A 28	17°-20'		58°W Not on shed
a	273½	410	250' North £ road. shed is ¼ corner. shed is
b	272½	1320	250' North £ road
c	272¼	1940	shed 180' North £ road
d	272¼	2140	
13-14	271°-52'	2320	587°E
On S-14		2300	587°E Not on shed
a	345½	190	
b	316¾	570	
c	305¼	800	
d	298½	960	
14-15	274°-35'	1040	564°E
On S-15		1030	564°E Not on shed
a	193	35	

b	210¼	240	
c	210¼	460	£ EW road
H	183¼	395	EW road & NS fence
d	241½	810	£ EW road
e	250½	1190	£ EW road
f	260	1250	
A	309°-57'		548¾°E
g	268¼	1560	
H	270½	1760	
15-16	274°-40'	1860	584°E
On S-16		1850	583½°E
a	330¼	260	
b	337¾	550	
c	338	980	£ NW fence
16-17	339°-20'	1050	519°E
On S-17		1050	518¾°E
a	52¾	120	

b 65½ 310

c 66¾ 400

d 68¼ 510

e 69½ 600

Δ 33 104° 58' 1320 N 73¼ W

f 57¼ 830

g 48¼ 1030

h 41½ 1240

17-18 35°-11' 1560 S 37 W

On S-18 1560 S 36¾ W

a 181 135 ½ E E W

b 0¾ 230

c 22¼ 460

d 16¼ 720

Δ 32? 93°-39' N 84¾ W

e 6¾ 920

f 3 1140

18-19 356°-50' 1400 S 1¾ E

On S-19 1390 S 1¾ E

a 355¾ 230

b 7¼ 610

c 20¾ 760

d 28¾ 940

19-20 25°-37' 1080 S 27¼ W

On S-20 1080 S 27 W Not on shed

a 95¼ 100

b 74¼ 490 E E W cord

c 49 610

d 22¼ 850

e 17¼ 1100

f 20 1340

g 20¼ 1720

20-21 22°-3' 1960 S 23¼ W

On S-21 1950 S 23 W

a	14 $\frac{1}{2}$	330	
b	14	660	
c	20 $\frac{3}{4}$	820	NS road
21-22	25°-48'	1070	526 $\frac{3}{4}$ W
On-22		1070	526 $\frac{1}{2}$ W
a	70 $\frac{1}{2}$	350	
b	68 $\frac{1}{4}$	750	
c	50	960	
d	40 $\frac{3}{4}$	1140	
e	41 $\frac{1}{4}$	1380	
f	38 $\frac{1}{4}$	1420	EW fence
22-23	38°-14'	1670	538 $\frac{3}{4}$ W
On S-23		1670	539 W
a	24 $\frac{1}{2}$	370	
b	17 $\frac{3}{4}$	700	
c	21 $\frac{3}{4}$	1040	
d	25	1320	

c	28	1460	EW road
23-24	33°-10'	1510	534 W
NS-24		1510	534 W
a	70 $\frac{3}{4}$	260	
b	65	540	
c	66 $\frac{1}{4}$	650	
d	64 $\frac{1}{2}$	880	
24-25	64°-1'	1040	565 W
On S-25		1030	565 W
a	31 $\frac{3}{4}$	400	
b	31 $\frac{1}{4}$	700	
c	37 $\frac{1}{4}$	1100	
25-26	42°-48'	1180	543 $\frac{1}{2}$ W
On S-26		1180	543 $\frac{3}{4}$
a	117 $\frac{1}{4}$	230	NS fence
H	180 $\frac{1}{4}$	900	Topog
H	190 $\frac{1}{4}$	820	

H	203½	950	
b	110¾	560	
H	176¼	400	
H	167½	700	
c	92¾	900	
d	88¼	1020	
e	72¾	1080	
26-27	63°-12'	1380	564W
On S-27		1380	564W
a	36¾	370	
b	39¾	540	£ NS road
A	24¼	750	" " & EW fence
c	43	700	
Δ 8	156°-0	1220	N23W
d	73	1060	Shed 225' South
e	79	1500	
27-28	80°-33'	1660	581½W

On S-28	1660	581½W	WHITE W edge of hay door red barn
Tie	134°-28'		N44½W
On S-28			Not on shed
a	201½	600	
b	175¾	860	
c	168	1020	
d	163½	1190	
e	156¾	1380	
f	148½	1930	
28-29	143°-42'	2090	N35½W
On S-29		2090	N35½W
a	97¼	70	¼ £ NS
b	101½	390	
c	102¼	630	
d	100¼	820	
Δ 7 ?	193°-17'		N14¼E
e	115¾	1200	

1230
1200
2430

29-30 116°-54' 1390 N 62 $\frac{1}{4}$ W

Tie point 222°-14' 800 N 43E

14 EW road

On S-30 1340 N 62 $\frac{1}{4}$ W

H 270 $\frac{1}{2}$ 1130 EEW road

30-31 91°-38' 1750 N 87 $\frac{1}{2}$ W

On S-31 1740 N 87 $\frac{1}{2}$ W

31-0 90°-36' 2430 N 88 $\frac{3}{4}$ W

Δ 0
On S-0 2 N 88 $\frac{1}{2}$ W

S-1 230°-31' N 51 $\frac{1}{4}$ E

Main

T.P. #1/10+40

P.I. #2

230 31
150
50.31

11, 27, 68
55.44
91.15

Levels
Main

BM	1.00	52.48	51.45	—	—	E E End of NE Wing wall Bridge over Elk Run
H ₂ O Level	10.17		42.31	—	—	near Bridge
" "	9.41		43.07	—	—	at 0 stg
0	7.60		44.88	43.20	1.60	
1	5.75		46.73	43.25	3.48	
2	5.95		46.53	43.30	3.23	
3	3.60		45.55	43.35	2.20	
X	0.16		52.32	—	—	
TP	6.77	302	56.23	49.46	—	
X	3.90		52.33	—	—	
H ₂ O	11.50		44.73	—	—	Ball Ditch
4	7.40		42.83	43.40	0.57	
BD						
5	7.95		48.28	43.45	4.83	
6	6.80		49.43	43.50	5.93	
7	7.15		49.08	43.55	5.53	
H ₂ O	8.40		47.83	—	—	ST 48
A						
H						
H						

8	295	56.23	48.29	43.60	468	
9	660	49.63	43.63	5.98		
10	600	50.23	43.70	6.53		
11	670	49.53	43.75	5.78		
12	690	49.33	43.80	5.53	possible end of O.D.	
X	639	49.89			12 + 64 E & W fence	
TP	790	65.8	57.55	49.65		
X	771	49.89				
BM	493	50.62			spike in 4th fence post south of corner Near Sta 12	
BM	693	50.62			spike in 2nd fence post S. of cor Near Sta 12	
13	755	50.00	43.85	6.15		
14	670	50.85	43.90	6.95		
15	680	50.75	43.95	6.80		
16	615	51.40	44.00	7.40		
17	620	51.35	44.05	7.30		
18	605	51.50	44.10	7.40	6 willows in fence } O.D. line 100' S.	
19	560	51.75	44.15	7.80		
		A	H	H		

20	690	57.55	50.65	44.20	6.45
21	690		51.15	44.25	6.90
X	361		53.94		
T.P.	9.00	6.10	60.95	51.45	
X	6.50		53.95		
B.M.	868		51.77		
22	750		52.25	44.30	8.65
23	725		53.20	44.35	8.85
24	610		54.35	44.40	9.95
25	660		53.85	44.45	9.40
H2O	943		51.02		
26	780		52.65	44.50	8.15
27	850		51.95	44.55	7.40
28	760		52.55	44.60	8.25
29	720		53.25	44.65	8.60
30	700		53.45	44.70	8.75
X	545		55.00		
		A	H	H	

Note. This B.M. may be off slightly.
 spike in large Willow 75' S of
 Sta. 21 Willow furthest East
 in row along fence line ESW

Between Sta. 25 & 26

One Small Willow 30' W of Sta. 28

60.45

55.00

T2

TP 578 667 59.56 53.78

X 4.57 54.79

31=0 6.20 53.36

32 4.95 54.61

33 5.90 53.66

LOVEL

H₂O 7.40 52.16

34 6.10 53.96

35 5.95 53.61

BM 3.73 55.83

BM 4.51 55.05

36 1.70 54.86

37 4.80 54.76

38 5.30 54.26

39 5.30 54.26

40 5.50 54.06

X 2.50 57.06

TP 713 5.13 61.56 54.43

X 4.50 57.06

A 57.06

44.75 86.1

6.71 31.00

10,500 CY

O.D.

AV.D. = 6.80

Between sta

33+34

Spike in 5th willow
of Line in N.S.
Fence Line
Spike in 1st fence
post S of above tree

50' 17 Willows

Sta 34

39+54 = E+W Fence
Pt #1 - 3 willows

39+54

150'

2A

N 34+00 =
N+S Fence

41	720	61.56	54.36	47.85	651
42	660		54.76	47.97	6.99
43	715		54.41	48.09	6.32
44	680		54.76	48.21	6.55
H ₂ O	710		54.46		54.46
45	630		55.26	48.39	6.93
46	625		55.31	48.45	6.86
47	595		55.61	48.57	7.04
48	535		56.21	48.69	7.52
X	207		57.49		
T.P.	4.73	4.98	61.51	56.58	
X N ₂ O	2.00		59.51		
49=0	4.81		56.70	48.81	7.89
X	306	62.55	57.49		
T.P.	598		56.57		
49=0	596		56.69		
50	670		55.85	48.93	6.92
			A	H	H

51	730	62.55	55.25	49.05	6.20	
52	670		55.85	49.17	6.68	Line runs about center
53	650		56.05	49.29	6.76	of draw
54	630		56.25	49.41	6.84	54 + 22 = N.S. fence
BM	484		57.71			Spike in lone tree just E of N.S. fence near sta 54 + 50
55	640		56.15	49.53	6.62	Gr. 33
56	500		57.55	49.86	7.69	2500' - 34" A.V.D. = 6.88
57	490		57.65	50.19	7.46	
58	540		57.15	50.52	6.63	
59	450		58.05	50.85	7.20	
60	390		59.15	51.18	7.97	
61	290		59.65	51.51	8.14	
X	193		60.62			
TP	481	239	64.97	60.16		
X	437		60.60			
62	540		59.57	51.84	7.73	
63	560		59.47	52.17	7.30	
			A	H ₅	H	

64	535	64.97	59.62	52.50	7.12	
65	570		59.27	52.83	6.44	
66	490		60.07	53.1	6.91	
67	470		60.27	53.49	6.78	
68	420		60.77	53.82	6.95	
69	450		60.47	54.1	6.32	
70	420		60.77	54.4	6.29	
71	380		61.17	54.8	6.36	+19 IV 85 fence
X	325		61.72	—	—	
TP	700	3.47	68.50	61.50	—	
X	480		61.70	—	—	
BM	573		62.77	—	—	spike in 5th fence post 50 ft line
72	690		61.60	55.14	6.46	
73	670		61.80	55.47	6.33	
74	690		61.60	55.80	5.80	
75	610		62.40	56.24	6.16	1900'-28" A.D. = 6.90
76	580		62.70	56.68	6.02	
			H	H	H	

44

77	540	68.50	63.10	57.12	5.98
78	490		63.60	57.56	6.04
79	490		63.60	58.00	5.60
80	390		64.60	58.44	6.16
81	360		64.90	58.88	6.02
82	360		64.90	59.32	5.58
X	313		65.37	—	—
T.P.	929	3.30	74.97	65.20	—
X	711		65.38	—	—
83	885		65.64	59.70	5.88
84	805		66.44	60.20	6.24
85	760		66.89	60.64	6.25
86	740		67.07	61.08	6.01
87	670		67.79	61.52	6.27
BM	571		68.78	—	—
88	620		68.29	61.96	6.33
89	575		68.74	62.40	6.34
			Arth	H	H

(9th panel from corner

* + 95 EW fence

Spike in 1st post E of line
866 from corner

74

90	510	74.49	69.39	62.84	65.55	+ 62 NB 3 fence
X	460		69.89	—	—	
T.P.	911	485	78.75	69.64	—	
X	885		69.90	—	—	
91	870		70.05	63.28	66.77	
92	840		70.35	63.72	66.63	
93	770		71.05	64.16	66.89	
94	730		71.45	64.66	66.85	94+14. 5 road fence
Grade	485		73.90	—	—	Grade E 10v.
95	700		71.75	65.04	66.71	
B.D.	720		69.55	—	—	Bottom of ditch N side of intakes. grade at the crossing.
B.M.	561		73.14	—	—	Snake in first Electric pole W of line & E of culvert
96	710		71.65	65.48	66.17	
97	690		71.85	65.92	65.93	
98	640		72.35	66.36	65.99	
B.D.	820		70.55	—	—	Bottom of ditch
99	590		72.85	66.80	66.05	
			61H	H	H	

100	580	72.95	67.24	5.71
X	408	74.67	—	—
T.P.	11.58	433	86.00	74.42
X	11.33	74.67	—	—
101	1280	73.20	67.68	5.52
102	12.50	73.20	68.12	5.08
B.D.	13.00	73.00	—	—
103	9.80	76.20	68.75	7.45
104	9.10	76.20	69.38	7.52
105	8.40	77.60	70.01	7.59
106	8.10	77.90	70.64	7.26
B.M.	3.54	82.40	—	—
B.M.	3.35	82.65	—	—
Grade	6.95	79.55	—	—
107	9.70	79.30	71.27	6.03
108	7.50	78.50	71.90	6.60
109	6.66	79.40	72.53	6.87
		Ant H	H	H

2700' - 24" A.D. = 6.13

102165 = W road fence
Bottom ditch

100 + 15 = W road fence
E end of W. wing wall
Culvert S of road intersection
NE cor of Wing Wall E end of
same culvert

107 + 34 E road fence

107 + 39 E & W fence

X		6.08		79.92	—	—
TP	709	6.30	86.79	79.70	—	—
X		6.86		79.93	—	—
110		6.90		79.89	73.16	6.73
111		6.40		80.39	73.79	6.60
112		6.05		80.74	74.42	6.32
113		5.20		81.59	75.05	5.54
114		4.90		81.89	75.68	5.21
BM		3.05		83.74	—	—
					South one of 2 boulders 50' W of Sta 115. Hi point	
BM		2.41		84.38	—	—
					Hi point N one of 2 boulders	
115		4.30		82.49	76.31	6.18
116		4.30		82.49	76.94	5.55
117		3.50		83.29	77.57	5.72
118		2.60		84.19	78.20	5.99
119		1.90		84.89	78.83	6.06
X		1.47		85.32	—	—
TP	757	1.61	92.75	85.18	—	—
X		7.42	Ant H	85.33	—	—

.53

120	720	92.75	85.55	79.46	6.09	
121	670		86.05	80.09	5.96	
122	640		86.35	80.72	5.63	
123	540		87.35	81.35	6.00	
124	470		88.05	81.98	6.07	
125	400		88.70	82.61	6.14	
126	340		89.35	83.24	6.11	
127	320		89.55	83.87	5.68	starts curving East
128	210		90.65	84.50	6.15	
129	140		91.35	85.13	6.22	
X	0.89		91.87	————	————	
TP	217	1.33	98.59	91.42	————	
X	6.71		91.89	————	————	
B.M.	490		93.69	————	————	Hi point on large boulder
130	800		90.59	85.70	4.83	16' N of fence cor near sta 129
131	670		91.89	86.46	5.43	
132	590		92.69	87.16	5.53	
			Ant. H	H	H	

2800' - 22" Av. D. = 6.25

133 500 98.59 93.59 87.86 5.73

134 430 94.29 88.56 5.73

135 350 95.09 89.26 5.83

136 250 96.09 89.96 6.13

137 160 96.99 90.66 6.33

X 0.83 97.76 ———

TP 5.86 1.50 102.95 97.09 ———

X 5.19 97.76 ———

138 5.30 97.65 91.36 5.29 138+100 N.S. fence

139 5.20 97.75 92.06 5.69 1 large willow 50' S W Sta 139

140 4.60 98.35 92.76 5.59

141 3.90 99.05 93.46 5.59

142 3.40 99.55 94.16 5.39

143 3.00 99.95 94.86 5.09 143+87 N.S. fence

144 2.00 100.95 95.56 5.39 1400' - 18" A.V.P. = 5.64

X 1.78 101.17 ———

TP 8.55 2.00 109.50 101.96 ———

X 8.32 0.4 101.18 ———

Q.R.M. - Sep
Run Dec. 6-19 W.H. Little & Son

70

145	8.10	108.50	101.40	94.25	5.14	
B.M	5.16		104.34			
			103.57			
B.M	5.93		99.57			
146	7.80		101.70	96.94	4.74	Hi. point of large boulder 6th post S of C of sec cor
147	6.60		102.90	97.60	5.24	Hi. point of large boulder 5th S of above.
148	6.00		103.50	98.30	5.14	
149	5.40		103.90	99.00	4.84	
150	4.90		104.60	99.76	4.84	
151	12.30	117.57	105.27	100.46	4.81	for H.I see page 114
152	11.20		106.37	101.16	5.21	
153	10.50		107.07	101.86	5.21	
154	9.90		107.67	102.50	5.11	
155	9.20		108.37	103.26	5.11	
156	8.50		109.07	103.96	5.11	
157	8.20		109.37	104.66	4.71	157+00 = N.S. fence
			Gr = .70			
158	7.20		110.37	105.36	5.01	
B.M	7.99		112.39			Spike in corner post S of where line crosses N.S. fence
			G.M.H	H	H	

159	640	117.57	111.12	106.26	4.91	
160	540		112.17	107.16	5.01	1600'-16 Av.D.=5.03
X	453		113.04	_____	_____	
TP	9.97	5.33	122.21	112.24	_____	
X	916		113.03	_____	_____	
161	910		113.11	108.00	5.05	
162	800		114.21	108.96	5.25	
163	750		114.91	109.86	4.85	
164	615		116.06	111.10	4.96	
165	465		117.56	112.34	5.22	
166	350		118.71	113.58	5.13	
167	200		120.21	114.82	5.39	1674 00 EW fence
168	135		120.86	116.06	4.80	
X	0.70		121.51	_____	_____	
TP	10.64	110	131.75	121.11	_____	
X	10.24		121.51	_____	_____	
169	10.05		121.90	117.30	4.40	
			Ant H	H	H	

B.M.	6.94	131.75	124.81	——	Large Crank by sta 169. about 150' N-E-W 1/4
170=0	8.80	122.95	118.54	4.41	1000' - 12" A.V.D. = 4.95
171	7.75	124.00	119.78	4.22	$Gr = 13$
172	5.80	125.95	121.08	4.87	172 + 47 = N + S 1/8
173	5.20	126.55	122.38	4.17	
174	3.75	128.00	123.68	4.32	
175	2.50	129.25	124.98	4.27	
X	1.43	130.31	——	——	
T.P.	10.39	2.34	139.80	129.41	——
X	9.50	130.30	——	——	
176	9.40	130.40	126.28	4.12	
177	7.90	131.90	127.58	4.32	
178	6.45	133.35	128.88	4.47	
179	5.40	134.40	130.18	4.22	
180	4.10	135.70	131.48	4.22	1000' - 10" A.V.D. = 4.33
181	2.90	136.90	132.78	4.12	
182	1.30	138.50	134.08	4.42	
X	0.47	139.33	——	——	
T.P.	12.24	1.11	150.93	138.69	——

X	11.60	150.93	139.33		
183	11.40	139.53	135.38	4.15	300'-8" Av.D. = 9.23
184	9.30	141.63	137.58	4.05	183+26 = projection of prop. pnced.
185	7.10	143.83	139.78	4.05	
186	5.15	145.78	141.98	3.80	
187	2.65	148.28	144.18	4.10	
X	0.57	150.36			
T.P.	7.30	0.89	157.34	150.04	
X	6.96	150.38			
188	6.80	150.54	146.38	4.16	
189	4.55	152.79	148.58	4.21	670'-6" Av.D. = 4.09
189+70	3.00	154.34	150.12	4.22	Run Dec. 8-19 L. Morgan
		Av H	H	H	

100

101

102

103

See page 130 for Sta. 1
See page 74 for H.I.

18	4.81	61.51	56.70	^{G = .13} 49.02	7.68
19	4.95		54.50	^{G = .15} 49.15	5.41
20	4.20		55.31	49.30	6.01
21	5.70		55.81	49.45	6.36
H20	4.30		55.21	—	—
22	5.60		55.71	49.60	6.31
23	5.60		55.71	49.75	6.16
24	5.30		56.21	49.90	6.31
H20	5.80		55.71	—	—
25	4.95		56.56	50.05	6.51
26-0	4.50		57.01	50.20	6.81
X	3.63		57.88	—	—
TP	6.99	4.51	63.99	57.00	—
X	6.12		57.87	—	—
27	6.55		57.49	50.35	7.09
28	6.30		57.69	50.50	7.19
29	6.00		57.99	50.65	7.34
			QNH	H	I

Sta. 21

Sta. 25

2600' - 30" S.P. A.D. = 6.64

1230	605	63.99	57.84	50.80	7.14	
H20	770		56.27	—	—	Sta 30
1331	570		58.27	50.95	7.34	
1A32	560		58.37	51.10	7.49	
1833	570		58.07	51.25	6.84	
1434	575		58.07	51.40	6.64	
1135	580		58.17	51.55	6.64	
X	3.78		60.21	—	—	
TP	591	480	65.10	57.19	—	
X	488		60.22	—	—	
1836	660		58.50	51.70	6.80	36+65 road fence
1137	550		59.60	51.85	7.75	(on road grade) 37+32 = N road fence on top of NW wing wall of Concrete Bridge 200' E of line
B.M.	218		62.92	—	—	spike in first Electric Light pole W of Line N side road
B.M.	457		60.51	—	—	
2038	580		59.30	52.00	7.30	
2139	570		59.40	52.15	7.25	
2240	670		58.40	52.30	6.10	
			ant H	H	H	

Tile	881	56.29	—	—
2341	6.45	65.10	58.65	52.45 6.26
2442	5.73	59.37	52.60	6.77
X	5.37	59.73	—	—
T.P	5.26	6.33	64.73	58.77 A.V.H.
X	4.98	59.75	—	—
2543	5.80	58.93	52.75	6.18
2644	5.80	58.93	52.90	6.03
2745	5.80	58.93	53.05	5.88
Pond	6.85	57.88	—	—
2846=0	5.25	59.48	53.20	6.28
2947	5.25	59.48	53.35	6.13
3048	5.10	59.63	53.50	6.13
3149=0	4.20	60.53	53.65	5.88
X	3.96	60.77	—	—
TP	5.26	4.13	65.86	60.60
X	5.07	60.77	—	—

Top of 12" Tile ^{50'} E of Sta 36+65

REM. - Tex
Run Dec. 6-19 W.R. Little, Ant. Smergen

12" Tile turns NE at Sta
45+75

50' W Sta 45

~~2000' - 24" S.P. Av.D. = 6.81~~
0 of orig. Lat #2-E

2300' - 24" S.P. Av.D. = 6.76
0 of substitute Lat #2-E

Continued next page

87

195

703

516

187

Lat 2 Continued

65.86

2250

570

60.16 53.80 6.36

50+58 = E W fence

X

412

61.74

TP

703

607

66.82 59.79

X

510

61.72

2351

780

59.02 58.95 5.07

300' - 21" S.P. A.V.D. =

3452

735

59.47 54.10 5.37

~~600' - 21" S.P. A.V.D. = 6.03~~

3553

635

60.47 54.25 6.22

3654

620

60.62 54.40 6.22

3755

485

61.97 54.55 7.42

3856

410

62.72 54.70 8.02

3957

380

63.02 54.85 8.17

4058

420

62.42 55.00 7.42

X

228

64.54

A

112

6682

300
200

113

TP 5.25 365 68.42 63.17 ———

X 386 64.56 ———
H

4159 5.56 62.92 5515 7.77

42 60=0 615 62.27 5530 6.97

4361 5.70 62.72 5545 7.27

4462 5.85 62.57 5560 6.97

4563 780 60.62 5575 4.87

4664 760 60.82 5590 4.92

4765 690 61.52 5605 5.47 E+W fence 1300' - 18" SP AvD = 6.65
A

Lat No 2-6

60=0 615 68.42 62.27

1 580 62.62

2 490 63.52

3 510 63.32

4 580 62.62

5 760 60.82

6 690 61.72
A

of Lat #1

7 5.00 68.42 63.42

8 4.40 64.02

X 3.95 64.97

T.P. 4.38 4.23 68.57 64.18

X 3.62 69.95

9 6.40 62.17

9 + 30 E N S

10 5.95 62.62

11 6.10 62.47

12 5.30 63.27

13 5.35 63.22

+ 60 5.95 62.62

EW 4 2

End

X 3.00 65.57

T.P. 3.75 64.82

A

Set turn - 50' E of Sta 13 + 60

X

144=0	200	102.95	100.95	Gr=110 96.90	4.05
1	750	102.50	102.00	Gr=23 98.00	4.00
2	520		104.30	100.30	4.00
2+3 ³⁵ 7	380		105.70	101.11	4.60
			A	H	H

See bottom of Page 90 for H.I.

235'-6" A.V.D. = 4.16
Large willow 5' 0" E
75' W

Lat No. 5

150=0	496	109.50	104.60	Gr=12 100.60	4.00
1	350		106.00	Gr=30 101.8	4.20
2	085		108.65	104.8	3.85
X	120		108.30	—	—
TP	937	130	117.57	108.20	—
X	924		108.31	—	—
3	590		111.67	107.80	3.87
40 + 37	420		113.37	109.00	4.37
			Run V H A	H	H

See Page 92 for H.I.

340'-6" A.V.D. = 4.06

Gr = .40

160-0 540 117.57 112.17 107.80 4.37

X 453 113.04

TP 95.3 533 121.77 112.24

X 8.73 113.04

Gr = 1.4

1 940 112.37 108.20 4.17

2 7.70 114.07 109.67 4.40

3 5.70 116.07 111.17 4.93

4 4.20 117.57 112.67 4.96

5 3.10 118.67 114.07 4.59

500' - 10" Av. D. = 4.57

6 2.00 119.77 115.57 4.22

X 1.61 120.16

TP 120.9 19.5 131.91 119.82

X 11.73 120.18

7 10.20 121.71 117.07 4.69

8 9.20 122.71 118.49 4.22

9 7.80 124.11 119.97 4.15

10 6.40 125.51 121.49 4.08

Ant H 11.0 H

See page 94 for H.I.

				Gr = 190	
11	470	131.91	127.22	122.90	4.31
12	3.10		128.81	124.80	4.01
13	0.90		131.51	126.70	4.81
			Alt. H		

800' - 8" A.D. = 434

Lot # 7

				Gr. 210	
170-0	8.80	131.75	122.95	118.70	4.25
1	7.05		124.70	120.80	3.90
B.M.	3.80		127.95	—	
2	4.60		127.15	122.90	4.25
3	2.60		129.15	125.00	4.15
			Gr = 260		
X	0.77		130.98	—	
T.P.	11.25	0.92	142.08	130.83	—

X	11.09		130.99	—	
4	9.80		132.28	127.60	4.68

B.M.	5.00		137.08	—	
5	7.45		134.63	130.20	4.43
6	5.20		136.88	132.80	4.08
			Alt. H	H	H

Large Crull. about 10' S. of sta 4

7 2.30 142.08 139.78 135.40 4.38

7+55 1.10 140.98 136.83 4.15 755'-6" Av.D. = 925
 Av.H H H

Lat No. 3

B.M 6.30 99.99 93.69

Gr = .80

See page 88 for H.I. and B.M.

129=0 8.59 91.40 86.70 4.70

1 8.20 91.79 87.50 4.29

1400 N S fence

2 7.10 92.89 88.30 4.59

3 6.35 93.64 89.10 4.54

4 5.20 94.79 89.92 4.89

5 4.10 95.89 90.70 5.19

5421 EW fence

6 3.00 96.99 91.50 5.49

5 large trees in fence line
 50' W. of Sta. 6

7 2.70 97.29 92.30 4.99

8 1.90 98.29 93.10 5.19

X 1.12 98.89

TP 8.39 1.42 106.96 98.57

X 8.10 98.86

Gr = 10.5

9 8.86 98.16 93.90 4.26

Av.H

H

H

900'-12" Av.D. = 4.81

105

10	725	106.96	99.71	94.95	4.76	
11	650		100.46	96.00	4.46	
12	565		101.31	97.05	4.26	
13	465		102.31	98.10	4.21	
14	360		103.36	99.15	4.21	
15	260		104.36	100.20	4.16	15 + 70 = NS fence
16	150		105.46	101.25	4.21	
X	0.95		106.51	—	—	
TP	10.18	125	115.89	105.71	—	
X	9.88		106.01	—	—	
17	815		107.74	102.30	5.44	
18	790		107.99	103.35	4.64	
			Gr = 202			
19	720		108.69	104.40	4.29	1000' - 10' AxD. = 4.45
20	430		111.59	106.42	5.17	20 + 84 EW fence
21	170		114.19	108.44	5.75	
X	108		114.81	—	—	
TP	99.3	125	129.07	114.64	—	
X	92.5		114.82	—	—	

Gr = 1.25

22 9.35 124.7 114.72 110.45 4.27

23 7.20 116.87 111.70 5.17

24 6.40 117.67 112.95 4.72

25 5.20 118.87 114.20 4.67

26 3.90 120.17 115.45 4.72

Gr = 1.75

27 3.20 120.87 116.70 4.17

X 1.79 122.28 ———

TP 12.16 1.98 134.20 122.09 ———

X 11.92 122.28 ———

28 10.40 123.60 118.45 5.15 - 28 + 19 = N.S. fence

29 9.40 124.80 120.20 4.60

30 7.95 126.25 121.95 4.30

31 6.40 127.80 123.70 4.10

32 4.60 129.60 125.45 4.15

Gr = 2.45

33 2.80 131.40 127.20 4.20 1400' - 8" Av.D. = 4.63

Y 6.73 133.47 ———

TP 12.31 2.60 143.91 131.60 ———

X 16.45 A 133.46 ——— H H

				245	
34	10.20	143.91	133.71	129.65	4.06
30	7.50		136.41	132.10	4.31
36	5.00		138.91	134.55	4.36
37	2.50		141.41	137.00	4.41
X	15.8		142.33	—	—
TP	1208	1.88	159.11	142.03	—
X	11.86		142.31	—	—
38	10.20		143.91	139.45	4.46
39	7.90		146.21	141.90	4.31
40	5.60		148.51	144.35	4.16
41	3.20		150.91	146.80	4.11
X	2.88		151.23	—	—
TP	10.38	3.06	161.43	151.05	—
X	10.20		151.23	—	—
42	7.70		153.73	149.25	4.48
Grade	4.88		156.63	—	—
+ 80	5.10		156.33	151.3	5.12
		A	H	H	

42+14 S road fence

980'-6" A.R. = 4.36

N road fence

31.0	5336	46.68	6.68	Obs. copied from page 72 for
32.1	5461	46.81	7.80	use on Lat #1
33.2	5366	46.94	6.72	
34.3	5346	47.07	6.39	3+00 = N+S fence.
35.4	5361	47.20	6.41	
36.5	5486	47.33	7.58	
37.6	5476	47.46	7.30	
38.7	5426	47.59	6.67	
39.8	5426	47.72	6.54	+54 = E+N fence.
40.9	5406	47.85	6.21	
41.10	5436	47.98	6.38	
42.11	5496	48.11	6.85	
43.12	5441	48.24	6.17	
44.13	5476	48.37	6.39	
45.14	5526	48.50	6.76	
46.15	5531	48.63	6.68	
47.16	5561	48.76	6.85	
48.17	5621	48.89	7.32	
49	5670	H	H	

Gr = 170

See page 126 for H.I.

33-0	2.80	134.20	131.40	127.40	4.00
------	------	--------	--------	--------	------

X	6.73		133.97		
---	------	--	--------	--	--

TP	12.31	2.60	143.91	131.60	
----	-------	------	--------	--------	--

X	10.40	11.25	133.46		
---	-------	-------	--------	--	--

Gr = 250

41-0	10.70		133.21	129.10	4.11
------	-------	--	--------	--------	------

2	7.60		136.31	131.60	4.71
---	------	--	--------	--------	------

3	5.10		138.81	134.10	4.71
---	------	--	--------	--------	------

4	2.40		141.51	136.60	4.91
---	------	--	--------	--------	------

A + 30° NS xence.

X	1.93		141.98		
---	------	--	--------	--	--

TP	11.68	2.31	153.28	141.60	
----	-------	------	--------	--------	--

X	11.31		141.97		
---	-------	--	--------	--	--

5	10.00		143.28	139.10	4.18
---	-------	--	--------	--------	------

6	7.45		145.83	141.60	4.23
---	------	--	--------	--------	------

7	5.00		148.28	144.10	4.18
---	------	--	--------	--------	------

8	2.50		150.78	146.60	4.18
---	------	--	--------	--------	------

X	2.06		151.22		
---	------	--	--------	--	--

TP	75.4	2.33	158.99	150.95	
----	------	------	--------	--------	--

X	2.25		151.24		
---	------	--	--------	--	--

A

H

H

134

9

550 158.49 152.99 149.10 3.89

+ 50

360

154.89 150.35 4.54

A

H

H

950'-6" A.D. = 4.33

NS fence

135

136

355

137

140

141

142

143

144

145

146

147

148

149

152

153

154

155

156

B.M.^s on Old Survey

E E end NE Wing. Bow string

Truss over Elk Run

BM 101.48

Rock on EBW $\frac{1}{4}$ Line About

BM 125.34

300' E of $\frac{1}{4}$ $\frac{1}{4}$ Line

N end of W. headwall Cor.

BM 134.98

Culvert N of School house $\frac{1}{2}$ m S. 50'

E Headwall Conc Culvert

BM 123.09

near NW Cor 23-89-12

157

Levels for shed Line in

NE $\frac{1}{4}$ -27-89-12 beginning at about
1400' N of center Sec 27-89-12

file are stacked.

Levels run E. Oat fence cor. where cement

5.05

5.05

5.15

5.60

6.00

6.30

E line of NW-NE $\frac{1}{4}$ -27-89-12

6.00 = hay stack about 50' E of

6.10

6.20

6.35

6.55

158 Cut-off on Main // to +50' W of
N line of SW-SE-27-89-12.
500 begins at E edge of bayou.

0	500	610	(55.50) 49.40
1	500	610	assumed 49.40
+50	500	610	49.40
2	510	590	49.60
3	520	615	49.35
4	520	610	49.40
5	530	530	50.20
6	530	535	50.15
7	530	520	50.30
8	530	530	50.20
9	535	545	50.05
10	555	580	49.70 49.60
11	590		about 50' from creek

159
In NE 1/4 Sec 27-89-12
(Beginning at NW part of draw
H2 → A

575	570	BS = 55.50
500	520	55.5
690	675	53.5
655	560	52.0
555	620	45.0
675	650	41.0
590	690	52.5
595	690	61.0
680	575	63.5
740	635	65.0
735	575	72.0
790	585	
635		
640		
655		
615		
FS = 615		

These are running E on N side E & W 1/4 E

T.P. on ground

These are running
SE across plowing on
S. side E & W 1/4 E

Levels for divide in SE-SE 1/4-23-89-12

1	880	1250	1000
2	865		10.75
3	750		11.30
4	670		12.10
5	640		12.40
6	580		13.00
7	530		13.50
8	505		13.75
9	490		13.90
10	555		13.25

565-

5.50

5.35

5.10

4.80 100's

4.15 440

5.00

5.35

pond by hay stack
start west side East of pond

580

5.45

540

5.10

560

4.95

570

4.50

585

4.60

560

5.10-515

North of pond
3.75

505

5.00 530

4.30

570
315
222

360 80
258.40
20

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 14 feet wide. Side Slopes $1\frac{1}{2}$ 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.