Book # 102 - Dr # 8

X

TOPOGRAPHIC SURVEY OF

ROBINSON LAKE. AREA

1935

DRAWER NO 11

4/29/36

Levels

Co. Rd "C" + New Brighton Rd.

Sta	+	π	−		
BM	1.70	927.41			925.71
2+83				22.7	
3+50				22.6	
⊙	3.41	918.16	12.66	914.75	
2+83					
3+50					
⊙	8.78	923.53	3.41	914.75	
2+83					

RR Inl 09.6 Inl Hwy 07.8
Out 08.2 Out = 07.7

10.6
17 Ot.

Top Mont N.B. Rd So of County Road C.

20.9 21.5 22.4 22.7 22.4 21.7 21.0
6.5 5.9 5.0 4.7 5.0 5.7 6.4
12 7 5 5 7 13

20.7 22.2 22.1 20.9
4.7 5.2 4.8 5.3 6.5
12-8 5 5 8-12

10.1 08.7 @SecLine 09.8
09.2
8.1 9.5 9.0 8.4
28 46-65 150 300

W.S. 8.33 = 09.83

11.0 09.6 08.7 09.7 09.8 10.0 09.8
7.2 8.6 9.5 8.5 8.4 8.2 8.4
27 34 39 73-100 145 200 300

FL. Inl RR Culv 8.89 = 09.27

FL. Out RR Culv 14.69 = 08.84

FL. Inl Hwy Culv 16.10 = 07.43
Out " " 16.17 = 07.36

E.R.? E.R.? Inl Culv.
E.H.W. 18.5 07.4 09.0 09.8
43 50 16.10 14.5 13.7
81 68 55 37 30

E.R.? E.R.? Out Culv 09.0 08.8 08.3
4.8 13.4 16.7 14.5 14.7 14.2
93 108 123 150 200 300

	+	ℸ	−		
		923.53			
⊙	5.40	928.41	0.52	923.01	
BM.			2.69	925.72	925.71

Top Mont NB Rd. So of C"

3/28/36

H.T. Purtell

X-Sections - Co. Rd. C

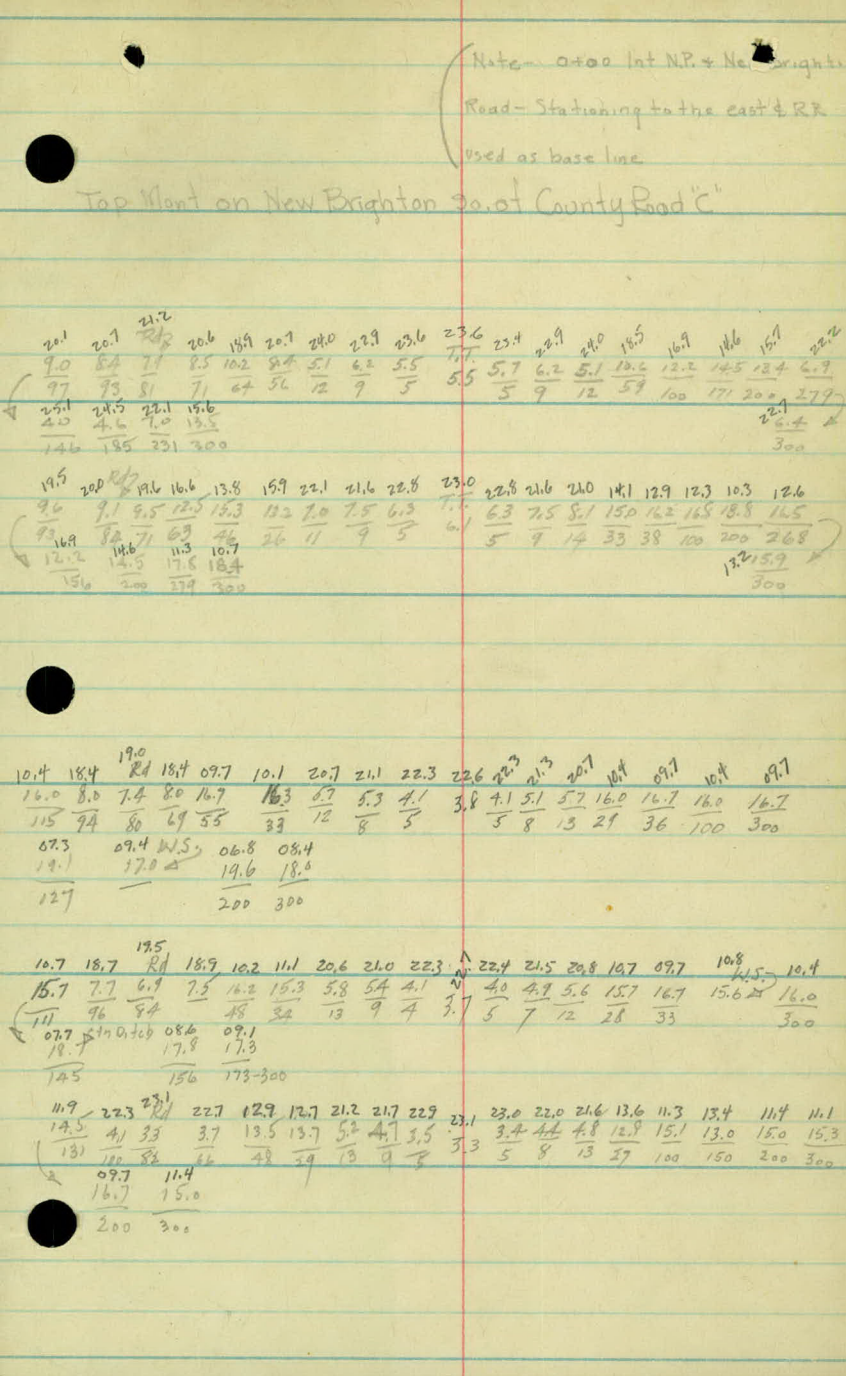
to

New Brighton Rd.

	+	℄	−	Elev.	
B.M.	3.42	929.13 ✓			925.71
0+00		Int N.P. RR	4.53	24.60	
1				23.6	
1 +90				23.1	
2		Culv Thru RR.			
⊙	0.67	926.98 ✓	3.42	925.71 ✓	
3					
4					
5					

Note- 0+00 Int N.P. & New Brighton Road - Stationing to the east & RR used as base line

Top Mont on New Brighton 30.0 of County Road "C"



	+	↑ 926.38 ✓	-	
⊙	13.33	936.92 ✓	-2.79	923.59 ✓
			9.27	927.74
6				
7				
⊙	5.11	928.70 ✓	13.33	929.59 ✓
⊙	1.77	923.42 ✓	7.05	921.65 ✓
⊙	3.96	921.42 ✓	5.96	917.46 ✓
12' Conc. 20' C.M.	24" x 32' Culv.		10.57	910.85 ✓
			9.92	911.50

25.3	24.7	30.2	29.1	23.0	23.1	22.5	23.4	23.5	23.4	22.5	28.9	27.6	25.7	23.5
11.6	12.2	6.7	7.8	13.9	13.8	14.4	13.5		13.5	14.4	8.0	9.3	11.2	13.4
70	62	51	31	16	11	7	5	13.4	5	8-15	25	63	100	200
25.9	25.4	24.1	27.5	28.9	27.1	28.9								20.4
11.0	11.5	12.8	9.4	8.0	9.8	8.0								16.5
82	94	100	112	119	200	300								300

28.5 RY	37.9	22.9	23.6	23.9	23.6	22.7	35.4	36.2	34.9	32.9
8.4	+1.0	14.0	13.3		13.3	14.2	1.5	0.7	2.0	4.0
84	48 - 35	10	5	13.0	5	8	30	30	100	300

So End Culv # 7-14 replaced about Mar 15 1936 } Thru "C" 195' W of Snelling

No " " " " }

Levels at Robinson Lake

Drainage Survey

	+	⊼	−	
B.M.	0.67	962.14		961.47
⊙	2.62	952.31	12.39	949.75
⊙	2.93	44.90	10.40	41.97
Hub #4			4.79	940.11
⊙	2.13	933.33	13.70	931.20
Hub #5			2.73	930.60
⊙	1.62	922.06	12.89	920.44
B.M.			4.22	917.84
Culv. #8-33			9.17	912.89
" "			9.64	912.42
⊙	6.01	914.67	13.40	908.66

Spk. in 20" Maple @ E. ¼ Cor Sec 9 (52' West)

Top Hub #4

Top Hub #5

Spk in PP @ Int. old Snell Av. & High Tension Line.

In 1 24" X 42" C.M. old Snell Av. 100' So. High Po. Line

Out " " " " " " " " " "

	+	π	−	
		914.67		
Hub #6			10.62	904.05
⊙	13.17	918.55	9.29	905.38
Culv.			15.42	903.13
"			15.80	902.75
Culv	E. End		8.91	909.64
"	W End		10.25	908.30
RR Culv	No. End		10.66	907.89
	So End		12.47	906.08
⊙	8.19	924.74	2.00	916.55
Hub #7			3.40	921.34
⊙	11.94	934.67	2.01	922.73
Hub #8			3.48	931.19

Top Hub #6

FL Inl 24"x76 Conc. Thru Snell Av. Abt 500' So. Co. Rd "C"
FL Out " " " " " " " " " "

F.L. Inl. 24"x80' Conc Thru Snell Av. Bw't N.P. RR + Co. Rd "C"
F.L. Out " x80' " " " " " " " " "

FL. Inl 24"x48' Conc Oval. Thru RR. 60' W Snell Av.
FL Out " " " " " " " " " "

Top Rd. Int Snell Av. + Co. Rd "C"

Top Hub #7

3rd Po. Ns Co Rd "C" Glueck private Rd.

Top Hub #8

	+	⊼	−	Elev.	
		934.67			
⊙	7.68	937.13	5.22	929.45	
Hub #9			0.46	936.67	
⊙	1.81	926.07	12.87	924.26	
Hub #9"A"			4.51	921.56	
⊙	5.51	919.83	11.75	914.32	
Hub #9"B"			8.58	911.25	
B.M.	8.45	945.12			936.67
Hub #10	3.36	942.31	6.17	938.95	
⊙	0.57	930.02	12.86	929.45	
BM			2.28	927.74	
⊙	3.10	920.72	12.40	917.62	

Top Hub #9

Top Hub #9A

Top Hub #9 "B"

Top Hub #9

Top Hub #10

Spkn 5th T.P. E of New Brighton Rd on Co Rd "C"

	+	π	−		
		920.72			
Culv 7-12			13.22	907.50	
			13.38	907.34	
RR Culv			11.86	908.86	
⊙	5.86	926.07	.51	920.21	
⊙	5.25	920.02	11.30	914.77	
RR Culv			10.70	909.32	
BM.	9.32	929.53			920.21
			5.05	924.48	
BM.	3.92	929.63	3.82	925.71	
Culv #16-30			9.13	920.50	
" " "			9.76	919.87	

Inl 24" x 68' CM. So End Thru "C" E of New Brighton Rd

Out " " " " " Ditch #4

Out 36" X 48' Conc Oval No End Thru RR. E of New Brighton Rd

Top Co Rd "C"

Inl 36" X 48' Conc Oval So End Thru RR E.

Top Co Rd "C" E of New Brighton Rd.

Int Co Rd "C" & New Brighton Rd.

Top Mont. N 1/4 Cor Sec. 9

Inl. 15" X 46' Conc Culv Thru N.B. Rd.

Out " " " " " "

	+	⊼	−		
B.M.	11.60	939.34			927.74
⊙	4.63	939.67	4.30	935.04	
Hub #1			5.18	934.49	
	8.02	938.41	9.28	930.39	
Hub #2			3.47	934.94	
⊙	3.92	929.86	12.47	925.94	
⊙	1.26	917.52	13.60	916.26	
B.M.			9.12	908.40	
⊙	12.45	928.01	1.96	915.56	
			0.00	928.01	
⊙	12.14	939.22	0.93	927.08	
⊙	12.86	950.90	1.18	938.04	

Spk. in 5th Tr. E of N.B. Rd. on Co. Rd. "C"

Top Hub #1

Spk. in Twin Cottonwood SW Cor Robinson Lake

Int Snelling Av. & E Old Snelling Av.

	+	⊼	−	
		950.90 ✓		
⊙	12.86	963.06 ✓	0.70	950.20 ✓
B.M.			1.64	961.42 = 961.47 ✓

63.28
961.47
1.79

SpK in 30" Maple @ E 1/4 Cor Sec 9 (52' West)

Levels
- Robinson -
Lake

June 27-35
Skoog
Goloberg

	+	H.I	−	E|V	
B.M.	6.94	935.41		928.47	
T.P.	13.73	947.69	1.45	933.96	
T.P.	6.59	949.47	4.81	942.88	
T.P.	2.40	947.02	4.85	944.62	
T.P.	3.01	946.10	3.93	943.09	
Hub #4			5.93	940.17	
T.P.	13.53	957.53	2.10	944.00	
T.P.	5.90	962.64	0.79	956.74	
B.M.			1.08	961.56	= 961.47

100' No. 20' West Center of Section #10
on 15" Black Oak on Hamline Ave.

Top of Hub #4

52' West of East 1/4 Cor. Sec. #9 20" Maple
West Side of Snelling Ave.

	+	H.I	−	EIV
Hub #4	1.07	941.24 ✓		940.17 ✓
T.P.	3.10	932.18 ✓	12.16	929.08 ✓
Hub #5			1.43	930.75 = ✓
T.P.	1.49	920.14 ✓	13.53	918.65 ✓
B.M			2.17	917.97 ✓
B.M.	1.07	919.14		917.97
T.P.	1.66	908.31	12.49	906.65
Hub #6			4.00	904.31
T.P.	13.48	917.35	4.44	903.87
T.P.	6.95	922.40	1.90	915.45
B.M			10.35	912.05
Hub #7			0.75	921.65
T.P.	13.78 ✓	933.34 ✓	2.84	919.56 ✓
Hub #8			1.81	931.53 ✓
	4.68	936.21 ✓		
T.P.	9.10	944.28 ✓	1.03	935.18 ✓
Hub # 9			7.28	937.00 ✓
T.P.	3.22	944.06 ✓	3.44	940.84 ✓
Hub # 10			4.80 ✓	939.26 ✓
T.P	2.60	933.49 ✓	13.17	930.89 ✓

Top of Hub #4

Top of Hub #5

Spk. in P. Pole East Side of Snelling Ave loop. Approx. 600' East of Snelling.

Spk. in P. Pole East side of Snelling Ave. loop. 600' East of Snelling.

Top of East End 24" Con. Culv. across Snelling Ave. at int of Co. Rd. "C".

Top of Hub #7

Top of Hub #8

Top Hub #9

	+	⊼	-	Elev.
		933.49		
T.P.	0.62	928.70	5.41	928.08
T.P.	5.42	921.01	13.11	915.59
			13.17	907.84
			11.80	909.21
			13.33	907.68
T.P.	11.19	926.78	5.42	915.59
			17.13	909.65
			2.0	924.78
			0.72	926.06
			1.9	924.88
			6.57	920.21
			6.10	920.68
T.P.	13.46	940.14	0.10	926.68
Hub #1 ⊙	4.76	939.63	5.27	934.87
T.P.	11.49	938.25	12.87	926.76
Hub #2			2.98	935.27
TP	0.32	927.08	11.49	926.76
T.P.	1.67	917.28	11.47	915.61
Hub #3			5.33	911.95
B.M.	7.36	916.16	8.48	908.80
T.P.	12.60	926.19	2.57	913.59
T.P.	12.45	937.51	1.13	925.06
	10.42	942.13	5.80	931.71
Hub #4			1.64	

Spk. in 5th T.P. E. New Brighton Rd. on Co. Rd C

Inlet 24"X68' CM. #7-12 under Co. Rd. C 200' E. New Br. Rd
Outlet 36"X48' Conc. Culv thru RR. 150' E. New Br. Rd (oval)
Outlet Culv #7-12

Inlet 36"X48" Conc. Culv thru RR.
Int. Co. Rd. C. & New Brighton Rd.
Ctr. Mont N. 1/4 Cor Sec. 9
T/Rail New Brighton Rd.
Out. 15"X46' Conc. Thru New Brighton Rd just So. of R.R. Culv #16-3
Inl " " " " "

Top Hub #1

Top Hub #2

Top Hub #3
Spk. in Small Cottwood S.W. Robinson Lake

93153
1042
941.95

942
941.95
-1.65
940.30

Page 1 Transit Obs. Purtell Line Robinson Lake Survey June 19, 1935 Paul Skoog Bell

Date June 19, 1935 Rec. [illegible]

	OBJECT	AZIMUTH X	STADIA X	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down− X	No. of Int. or Angle X	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
	Mont Elev. 926.06									
	At Mont. No¼ Sec. 9									
	To Mont Ctr. Sec 9 H.I. = 5.20	0°-00'	= South at All Hub Points							
	At Mont No¼ Sec 9									
	to									
1-1	Δ#1 Top Ridge	294°-13'	10.71	.00785	+	0°-27'	+8.4	-5.2	+3.2	934.6
	At Δ#1 Hub# Elev. 934.49 = H.I. = 5.10	939.59	H.I. = 939.59							
1-2	to Mont No¼ Sec 9	114°-13'	10.71	.00785	−	0°-27'	-8.4	-5.1	-13.5	926.1
1-3	Top Knoll - Genl Elev	101°-19'	0.52			00		5.05		934.5
1-4	Slope	99°-05'	1.35			00		7.42		932.2
1-5	Gen. Elev.	150°-22'	1.15			00		5.02		934.6
1-6	Slope Line	115°-16'	2.38			00		7.19		932.4
1-7	Top Ridge	142°-57'	2.26			00		4.65		934.9
1-8	Slope Line	126°-20'	3.18			00		8.10		931.5
1-9	Top Knoll	136°-00'	3.00			00		3.10		936.5

Page 2 Transit ..... Obs. Portell Line .....

Date June 19 1935 Rec. Goldberg .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
1-10	P.R. R-W	149°52'	9.08			00		5.20		934.4
1-11	Top Slope R.R.-R.W	159°48'	5.40			00		0.90		938.7
1-12	P.R. R-W Fence Line	170°-05'	5.20			00		3.50		936.1
1-13	Gen. Elev.	164°-30'	4.38			00		3.30		936.3
1-14	R.R. R-W Fence Line	188°-00'	5.10			00		4.60		935.0
1-15	Gen. Elev.	191°-13'	3.75			00		7.00		932.6
1-16	R.R. R-W Fence Line	202°-22'	5.42			00		10.12		929.5
1-17	Gen. Elev.	206°-42'	3.95			00		11.00		928.0
1-18	R.R. R-W Fence Line	215°-00'	5.98			00		12.90		926.7
1-19	Slope Line	225°-14'	4.65			00		13.90		925.7
1-20	Center Line R.R.	219°-44'	6.95	.01862	−	1°-04'	-12.9	5.1	-18.0	921.6
1-21	Slope Line	233°-21'	5.47	.02705	−	1°-33'	-14.8	5.1	-19.9	919.7
1-22	R.R. Fence Line	226°-20'	6.98	.02327	−	1°-20'	-16.2	5.1	-21.3	918.3
1-23	Toe Slope	241°-36'	5.59	.03286	−	1°-53'	-18.4	5.1	-23.5	916.1
1-24	Toe Slope	240°-27'	4.30	.03781	−	2°-10'	-16.3	5.1	-21.4	918.2
1-25	Toe Slope	257°-05'	4.98	.03868	−	2°-13'	-19.3	5.1	-24.4	915.2

Page 3 Transit Obs. Line

Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
1-26	Slope Line	256°-00'	3.81	.03984	−	2°-17'	-15.2	5.1	-20.3	919.3
1-27	Toe Slope	273°-01'	4.78	.04188	−	2°-24'	-20.0	5.1	-25.1	914.5
1-28	Slope Line	273°-22'	3.72	.04391	−	2°-31'	-16.3	5.1	-21.4	918.2
1-29	Slope Line	290°-18'	5.08	.03490	−	2°-00'	-17.7	5.1	-22.8	916.8
1-30	Slope Line	290°-38'	3.95	.03781	−	2°-10'	-14.9	5.1	-20.0	919.6
1-31	Slope Line	303°-38'	5.53	.02734	−	1°-34'	-15.1	5.1	-20.2	919.4
1-32	Slope Line	305°-15'	4.55	.02908	−	1°-40'	-13.2	5.1	-18.3	921.3
1-33	Slope Line	317°-06'	6.65	.01571	−	0°-54'	-10.4	5.1	-15.5	924.1
1-34	Slope Line	317°-39'	5.37	.02094	−	1°-12'	-11.2	5.1	-16.3	923.3
1-35	Slope Line	328°-11'	5.44	.01745	−	1°-00'	-9.5	5.1	-14.6	925.0
1-36	~~Top~~ On Slope	336°-52'	4.69			00		6.28		933.3
1-37	Top Slope	340°-19'	5.28			00		11.12		928.5
1-38	~~Top~~ Slope On Slope	327°-08'	3.39			00		10.15		929.4
1-39	Top Slope	342°-32'	4.15			00		5.23		934.4
1-40	On Slope	300°-30'	2.21			00		12.25		927.3
1-41	Slope Line	347°-52'	4.15			00		8.30		931.3

Page 4 Transit ..... Obs. ..... Line .....

Date ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
1-42	On Slope Line	323°-28'	1.38			00		8.05		931.5
1-43	Top Knoll	353°-30'	2.45			00		4.06		935.5
1-44	Slope Line	252°-15'	0.82			00		8.68		930.9
1-45	Slope Line	05°-21'	2.46			00		7.63		932.0
1-46	Slope Line	27°-45'	1.25			00		10.67		928.9
1-47	Slope Line	263°-49'	1.98			00		12.69		926.9
1-48	On Slope	230°-12'	2.67			00		11.53		928.1
1-49	Slope Line	205°-28'	1.96			00		8.25		931.3
1-50	to △#2 Elev. 934.94 = 940.04	319°-04'	10.65			00		4.63		935.0
	HI = 5.10 ⊙Σ		H.I. = 940.10							935.00
2-1	At △#2 to △#1	139°-04'	10.65			00		5.62		934.4
2-2	Top Knoll	120°-05'	4.51			00		6.59		933.4
2-3	Toe Slope	141°-55	3.58	.03490	−	2°-00'	-12.5	5.1	17.6	922.4
2-4	Top Knoll	113°-30'	3.70					8.50		931.5
2-5	Toe Slope	120°-11'	2.90			00		14.30		925.7

Page 5 Transit ..... Obs. ..... Line .....

Date ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
2-6	Top Knoll	100°-23'	3.35			00		7.95		932.0
2-7	Toe Slope	102°-56'	2.68			00		12.99		927.0
2-8	Top Knoll On Power Line	77°-51'	2.83			00		6.68		933.3
2-9	Toe Slope	78°-05'	2.30			00		12.77		927.2
2-10	Toe Slope Under Power Line	68°-48'	1.63			00		12.66		927.3
2-11	Top Knoll	112°-50'	1.76			00		8.73		931.3
2-12	Center High Ten. Tower	314°-52'	0.84			00		4.68		935.3
2-13	Slope Line	145°-41'	1.99			00		11.80		928.2
2-14	Top Knoll	98°-58'	0.62			00		5.27		934.7
2-15	Slope Line	176°-30'	3.07			00		14.85		925.1
2-16	Slope Line	155°-34'	1.04			00		10.81		929.2
2-17	On Slope	212°-14'	3.52	.03664	−	2°-06'	-12.9	5.1	-18.0	922.0
2-18	On Slope	251°-14'	2.38			00		12.85		927.2
2-19	Slope Line	212°-29'	2.36			00		12.70		927.3
2-20	Top Knoll Under Pow. Line	284°-23'	2.34			00		4.29		925.7
2-21	On Slope Line	236°-59'	3.64	.03897	−	2°-14'	-14.2	5.1	-19.3	920.7

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
2-22	Gen. Elev. Under pow. Line	278°-02'	4.11			0 0		10.95		927.3
2-23	Slope Line	229°-20'	4.58	.03839	-	2°-12'	-17.6	5.1	-22.7	917.3
2-24	Under High Ten. Tower	295°-17'	6.13	.02007	-	1°-09'	-12.3	5.1	-17.4	922.6
2-25	Slope Line	243°-34'	6.48	.03839	-	2°-12'	-24.9	5.1	-30.0	910.0
2-26	Toe Slope	254°-34'	5.86	.03199	-	1°-50'	-18.7	5.1	-23.8	916.2
2-27	On Slope Line	262°-33'	6.00	.02879	-	1°-39'	-17.3	5.1	-22.4	917.6
2-28	On Slope Line	263°-56'	7.25	.02181	-	1°-15'	-15.8	5.1	-20.9	919.1
2-29	Top Slope Under pow. Line	273°-38'	8.98	.00989	-	0°-34'	-8.9	5.1	-14.0	926.0
2-30	On Slope Line	249°-15'	7.90	.02908	-	1°-40'	-23.0	5.1	-28.1	911.9
2-31	Top Back Slope on Road	261°-55'	9.21	.01862	-	1°-04'	-17.1	5.1	-22.2	917.8
2-32	Center Line of Road	261°-46'	9.75	.02007	-	1°-09'	-19.6	5.1	-24.7	915.3
2-33	" " " "	253°-08'	10.14	.02240	-	1°-17'	-22.7	5.1	-27.8	912.2
2-34	Toe Slope Of Road	247°-52'	10.01	.02908	-	1°-40'	-29.1	5.1	-34.2	905.8
2-35	Slope Line	247°-28'	9.33	.02618	-	1°-30'	-24.4	5.1	-29.5	910.5
2-36	Gen. Elev.	241°-11'	9.11	.02879	-	1°-39'	-26.2	5.1	-31.3	908.7
2-37	To △*3 Elev. 911.95 = 916.70	193°-29'	8.10	.02938	-	1°-41'	-23.8	5.1	-28.9	911.2

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
	H.I. = 4.95	△ 3	H.I. 916.15							911.2
3-1	At △ # 3 to # 2	13°-29'	8.10	.02938	+	1°-41'	+23.8	- 5.0	+18.8	935.5
3-2	Gen. Elev.	305°-33'	6.19			0 0		5.89		910.8
3-3	℄ R.R.	167°-16'	5.57	.01338	+	0°-46'	+7.5	5.0	+2.5	919.2
3-4	Toe R.R. Slope	166°-54'	5.31			0 0		3.61		913.1
3-5	Gen. Elev.	309°-13'	5.20			0 0		9.86		906.8
3-6	" "	155°-53'	3.29			0 0		3.65		913.0
3-7	" "	327°-19'	3.40			0 0		3.64		913.1
3-8	" "	110°-19'	1.58			0 0		4.61		912.1
3-9	" "	4°-10'	2.55			0 0		3.13		913.6
3-10	" "	47°-15'	2.19			0 0		2.25		914.4
3-11	" "	347°-38'	0.97			0 0		6.37		910.3
3-12	On Slope	27°-43'	3.66	.01513	+	0°-52'	+5.5	5.00	+0.5	917.2
3-13	Gen. Elev.	196°-02'	1.22			0 0		7.13		909.6
3-14	" "	183°-46'	2.17			0 0		4.70		912.0
3-15	On Slope Line	303°-00'	3.85			0 0		10.72		906.0

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM	
3-16	Gen. Elev.	202°-20'	3.31			00		4.90		911.8	
3-17	Slope Line	280°-45'	2.65			00		11.41		905.3	
3-18	Gen. Elev.	215°-19'	4.40			00		6.18		910.5	
3-19	Slope Line	241°-55'	3.11			00		11.55		905.1	
3-20	Toe Slope #1 R.R.	210°-47'	5.78			00		3.50		913.2	
3-21	℄ R.R.	209°-56'	5.93	.00960	+	0°-33'	+5.7	5.0	+0.7	917.4	
3-22	Slope Line	231°-21'	4.90			00		8.71		908.0	
3-23	℄ R.R.	224°-18'	7.10	.00756	+	0°-26'	+5.4	5.0	+0.4	917.1	
3-24	Slope Line	236°-12'	5.92			00		11.94		905.0	X
3-25	℄ R.R. And Snelling Ave.	237°-28'	9.17	.00495	+	0°-17'	+4.5	-5.0	-0.5	916.2	
3-26	Toe Slope #1 R.R.	225°-36'	6.96			00		7.28		909.4	
3-27	Toe Slope Int. Snell. Ave. & RR	237°-32'	8.62			00		8.44		908.3	
3-28	On Slope Line	240°-09'	7.25			00		12.22		904.5	
3-29	Flo. Line 30" Con. Culv.	236°-22'	8.52			00		10.25		906.4	
3-30	Toe Slope Snell. Ave.	244°-40'	8.01			00		11.94		905.0	
3-31	℄ Snell. Ave.	245°-49'	8.49			00		1.35		915.3	

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	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
3-32	Toe Slope Road & W. S Robbins Son Lake	255°-18'	7.52			00		13.10		903.6
3-33	℄ Road Snell. Ave.	255°-43'	8.08			00		4.62		912.1
3-34	Toe Slope Edge Lake	273°-51'	7.35			00		13.10		903.6
3-35	℄ Road Snell. Ave.	273°-43'	7.80			00		7.91		908.8
3-36	Flo. Line 24" con. Culv. West End	276°-50'	7.42			00		13.69		903.0
3-37	" " " " " East End	275°-39	8.20			00		13.28		903.4
3-38	℄ Road Snell. Ave.	283°-00'	8.00			00		7.68		909.0
3-39	Toe Slope Edge Lake	285°-48'	7.54			00		13.10		903.6
3-40	Edge Lake (Former Edge)	290°-07'	5.73			00		12.40		904.3
3-41	Edge Lake	286°-49'	6.82			00		13.10		903.6
3-42	" "	283°-20'	5.12			00		13.10		903.6
3-43	" "	279°-25'	4.28			00		13.10		903.6
3-44	" "	259°-55'	4.33			00		13.10		903.6
3-45	" "	251°-05'	5.83			00		13.10		903.6
3-46	Elev. In Lake	268°-22'	5.80			00		13.45		903.2
3-47 To	△ * 4 Elev. 940.11 = 945.01	320°-16'	19.80	.01425	+	0°-49'	+28.2	5.0	+23.2	939.9

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
	H.I. = 4.90									
4-1	At Δ* 4 to* 3	140°-16'	19.80	.01425	-	0°-49'	-28.2	4.9	-33.1	911.9
4-2	℄ Snell Ave.	51°-29'	6.30	.01687	+	0°-58	+10.6	4.9	+ 5.7	950.7
4-3	Top Knoll	55°-49'	6.77	.02036	+	1°-10'	+13.8	4.9	+ 8.9	953.9
4-4	℄ Snell Ave	73°-36'	5.07			00		3.71		941.3
4-5	Top Knoll	66°-10'	7.40	.01745	+	1°-00'	+12.9	4.9	+ 8.0	953.0
4-6	Toe Slope Snell Ave Road	74°-35'	5.30			00		5.91		939.1
4-7	Slope Line	76°-52'	7.35			00		0.35		944.6
4-8	Gen. Elev.	76°-56'	6.11			00		8.74		936.3
4-9	" " On Slope	91°-04'	6.54			00		6.60		938.4
4-10	Top Ridge	105°-13'	7.68			00		10.50		934.5
4-11	℄ Snell Ave	113°-33'	5.28			00		14.30		930.7
4-12	Top Ridge	112°-53'	9.40			00		10.85		934.1
4-13	Gen. Elev.	117°-39'	8.85	.01280	-	0°-44'	-11.3	4.9	-16.2	928.8
4-14	Toe Slope	125°-50'	6.63	.01862	-	1°-04'	-12.3	4.9	-17.2	927.8
4-15	Gen. Elev.	127°-02'	8.68	.01513	-	0°-52'	-13.1	4.9	-18.0	927.0

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
4-16	Top Back Slope Road Under Pow. Line	147°37'	8.03	.01542	−	0°-53'	-12.4	4.9	-17.5	927.5
4-17	℄ Old Road On Curve	127°00'	5.55	.01920	−	1°-06'	-10.7	4.9	-15.6	929.4
4-18	℄ " "	139°-20'	5.10	.03141	−	1°-48'	-16.0	4.9	-20.9	924.1
4-19	Center High Ten. Tower 14'x14' Sq.	152°-21'	7.60	.02560	−	1°-28'	-19.5	4.9	-24.4	920.6
4-20	℄ Old Road	183°-53'	4.48	.04972	−	2°-51'	-22.3	4.9	-27.2	917.8
4-21	Slope Line	150°-23'	6.41	.03054	−	1°-45'	-19.6	4.9	-24.5	920.5
4-22	℄ Old Road	200°-52'	5.40	.04246	−	2°-26'	-22.9	4.9	-27.8	917.2
4-23	Gen. Elev. Under Pow. Line	173°-40'	6.85	.04623	−	2°-39'	-31.7	4.9	-36.6	908.4
4-24	Flo. Line 24" Culv. Old Road	204°-03'	6.68	.04159	−	2°-23'	-27.8	4.9	-32.7	912.3
4-25	Gen. Elev. On Slope Line	174°-41'	5.49	.04943	−	2°-50'	-27.1	4.9	-32.0	913.0
4-26	Flo. Line 24" Culv. Old Road So. End	207°-52'	6.58	.04159	−	2°-23'	-27.4	4.9	-32.3	912.7
4-27	Center High Ten. Tow. Gen. Elev.	203°-08'	6.47	.03839	−	2°-12'	-24.8	4.9	-29.7	915.3
4-28	℄ Old Road	207°-00'	7.70	.03054	−	1°-45'	-23.5	4.9	-28.4	916.6
4-29	Gen. Elev. On Slope Under Pow. Line	219°-03'	8.75	.01193	−	0°-41'	-10.4	4.9	-15.3	929.7
4-30	Slope Under Pow. Line	225°-33'	9.78	.00727	−	0°-25'	-7.1	4.9	-12.0	933.0
4-31	Center Top Slope Under High Ten. P.L.	231°-25'	10.96	.00233	+	0°-08'	+2.6	-4.9	-2.3	942.7

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Date ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
4-32	Gen. Elev. on Slope	125°-34'	3.65	.03548	−	2°-02'	-13.0	4.9	-17.9	927.1
4-33	Top Slope	239°-08'	9.60			0 0		6.60		938.4
4-34	On Slope	96°-56'	3.11			0 0		11.58		933.4
4-35	Gen. Elev.	249°-57'	8.80			0 0		12.62		932.4
4-36	On Slope	55°-35'	3.73			0 0		4.18		940.8
4-37	Gen. Elev.	261°-40'	8.33			0 0		13.20		931.8
4-38	Top Ridge East Top Back Slope Knell.	46°-53'	6.17	.02618	+	1°-30'	+16.2	4.9	+11.3	956.3
4-39	Top Slope	272°-12'	8.26			0 0		2.20		942.8
4-40	Top Ridge	23°-15'	5.48	.03345	+	1°-55'	+18.3	4.9	+13.4	958.4
4-41	Top Slope	282°-13'	7.85			0 0		4.20		940.8
4-42	Top Ridge At Fence Line	4°-22'	6.78	.02560	+	1°-28'	+17.4	4.9	+12.5	957.5
4-43	Top Slope	293°-07'	8.43	.00814	+	0°-28'	+6.9	4.9	+2.0	947.0
4-44	On Slope	8°-14'	4.00	.02094	+	1°-12'	+8.4	4.9	+3.5	948.5
4-45	Top Knoll	307°-33'	9.05			0 0		1.20		943.8
4-46	Gen. Elev.	11°-53'	1.93			0 0		5.85		939.1
4-47	Fence Line On Slope	214°-48'	9.45			0 0		9.30		934.7

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
4-48	On Slope Line	93°-24'	0.59			00		6.52		938.5
4-49	" " "	305°-47'	8.20			00		6.90		938.1
4-50	" " "	158°-42'	1.81	.06482	−	3°-43'	-11.7	4.9	-16.6	928.4
4-51	" " "	294°-50'	7.40			00		10.23		934.8
4-52	Slope Line	166°-36'	3.60	.04885	−	2°-48'	-17.6	4.9	-22.5	922.5
4-53	" "	284°-15'	7.08			00		13.05		931.9
4-54	Center Of Draw	189°-46'	3.04	.06250	−	3°-35'	-19.0	4.9	-23.9	921.1
4-55	Top Knoll	270°-15'	7.12			00		1.90		943.1
4-56	Center of Draw	200°-09'	1.65	.09411	−	5°-24'	-15.5	4.9	-20.4	924.6
4-57	On Slope	259°-57'	7.28			00		14.60		930.4
4-58	Center of Draw	254°-03'	1.60	.08889	−	5°-06'	-14.2	4.9	-19.1	925.9
4-59	On Slope	254°-03'	7.48			00		14.20		930.8
4-60	Center of Draw	301°-41'	2.81	.04885	−	2°-48'	-13.7	4.9	-18.6	926.4
4-61	On Slope	247°-18'	7.80	.01978	−	1°-08'	-15.4	4.9	-20.3	924.7
4-62	Center Of Draw	225°-55'	4.65			00		13.08		931.9
4-63	On Slope	232°-30'	8.30	.01658	−	0°-57'	-13.8	4.9	-18.7	926.3

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Date ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
4-64	Center Of Draw	345°-38'	6.20			0 0		6.40		938.6
4-65	On Slope	224°-52'	7.52	.01745	−	1°-00'	-13.1	4.9	-18.0	927.0
4-66	Gen. Elev.	345°-28'	3.59			0 0		2.93		942.1
4-67	Toe Slope	224°-30'	6.65	.02996	−	1°-43'	-19.9	4.9	-24.8	920.2
4-68	Gen. Elev.	231°-43'	1.81			0 0		8.30		936.7
4-69	Toe Slope	239°-30'	6.85	.03054	−	1°-45'	-20.9	4.9	-25.8	919.2
4-70	Center Of Draw	6°-04'	2.90			0 0		5.80		939.2
4-71	Toe Slope	253°-00'	6.38	.03199	−	1°-50'	-20.4	4.9	-25.3	919.7
4-72	Center Of Draw	310°-15'	1.60			0 0		14.20		930.8
4-73	Toe Slope	264°-34'	5.92	.03490	−	2°-00'	-20.7	4.9	-25.6	919.4
4-74	" "	279°-45'	5.85	.02618	−	1°-30'	-15.3	4.9	-20.2	924.8
4-75	Top Ridge	224°-20'	3.77	.04129	−	2°-22'	-15.6	4.9	-20.5	924.5
4-76	Toe Slope	292°-33'	6.79	.02152	−	1°-14'	-14.6	4.9	-19.5	925.5
4-77	Top Ridge	229°-47'	3.11			0 0		14.06		930.9
4-78	Toe Slope	306°-40'	7.90			0 0		13.08		931.9
4-79	Top Ridge	270°-22'	3.35			0 0		10.30		934.7

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Date ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
4-80	Top Knoll	322°-47'	5.73			0 0		3.40		942.6
4-81	Top Ridge	298°-30'	3.86			0 0		10.43		934.6
4-82	On Ridge	315°-51'	5.25			0 0		9.74		935.3
4-83	Top Ridge	307°-24'	4.61			0 0		6.70		938.3
4-84	Top Ridge	16°-54'	6.48	.02676	+	1°-32'	+17.3	4.9	+12.4	957.4
4-85	" " Fence Line	354°-35'	6.76	.01803	+	1°-02'	+12.2	4.9	+7.3	952.3
4-86	" " " "	342°-20'	7.05	.00407	+	0°-14'	+2.9	-4.9	-2.0	943.0
4-87	To △*5 Elev. 930.60 = 935.50	220°-09'	8.57			0 0		14.40		930.6
	H.I. = 4.90									
5-1	At △*5 to *4	40°-09'	8.57	.01134	+	0°-39'	+9.7	-4.9	+4.8	940.3
5-2	Toe Slope Fence Line	6°-29'	13.30			0 0		12.90		922.6
5-3	Ravine (Fence Line)	2°-44'	13.20	.00814	−	0°-28'	-10.7	4.9	-15.6	919.9
5-4	Toe Slope East Ravine Fce. Line	359°-19'	13.16			0 0		11.90		923.6
5-5	" " " "	358°-25'	11.54			0 0		11.14		924.4
5-6	Center Ravine	362°-00'	11.26			0 0		14.40		921.1

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
S-7	Toe Slope West Ravine	5°-13'	11.20			00		11.63		923.4
S-8	" " " "	6°-53'	9.00			00		14.00		924.5
S-9	Center Ravine	4°-45'	9.08	.01280	−	0°-44'	-11.6	4.9	-16.5	919.0
S-10	Toe Slope East Ravine	357°-54'	8.82			00		13.35		922.1
S-11	" " " "	0°-28'	7.64			00		14.10		921.4
S-12	Center Ravine	4°-29'	7.38	.01600	−	0°-55'	-11.8	4.9	-16.7	918.8
S-13	Toe Slope West Ravine	10°-52'	7.28			00		14.80		920.7
S-14	" " " "	18°-20'	5.10	.02211	−	1°-16'	-11.3	4.9	-16.2	919.3
S-15	Center Ravine	11°-14'	5.32	.02356	−	1°-21'	-12.5	4.9	-17.4	918.1
S-16	In Ravine	358°-28'	4.67	.02734	−	1°-34'	-12.8	4.9	-17.7	917.8
S-17	" "	358°-35'	5.92	.02094	−	1°-12'	-12.4	4.9	-17.3	918.2
S-18	" "	359°-00'	3.94	02996	−	1°-43'	-11.8	4.9	-16.7	918.8
S-19	" "	0°-50'	2.84	.03955	−	2°-16'	-11.2	4.9	-16.1	919.4
S-20	" " (Center)	25°-01'	2.08	.05030	−	2°-53'	-10.5	4.9	-15.4	920.1
S-21	" " Near End	60°-15'	2.26	.05785	−	3°-19'	-13.1	4.9	-18.0	917.5
S-22	Top Knoll	243°-05'	4.64	.02618	+	1°-30'	+12.1	4.9	+7.2	942.7

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Date ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
5-23	Top Knoll	231°-53'	6.18	.01862	+	1°-04'	+11.5	4.9	+6.6	942.1
5-24	" "	227°-20'	7.10	.01425	+	0°-49'	+10.1	4.9	+5.2	940.7
5-25	Gen. Elev.	216°-20'	7.55			00		5.90		929.6
5-26	" "	211°-46'	9.08			00		5.78		929.7
5-27	" " E+W 100' N+S 216'	212°-53'	10.24			00		6.90		928.1
5-28	S.W. Serv'm Bldg. Main Bldg.	209°-20'	11.30			00		8.85		926.7
5-29	Gen. Elev.	197°-55'	8.42			00		3.30		932.2
5-30	" "	186°-23'	8.40			00		2.80		932.7
5-31	" " Ft Farm Yd. So. End	176°-43'	8.90			00		6.02		929.5
5-32	Center Line Old Snell. Blk. Top 20' Rd.	167°-05'	8.73			00		11.45		924.0
5-33	" " " " "	168°-31'	6.98			00		11.90		923.6
5-34	" " " " "	166°-29'	5.83			00		13.28		921.2
5-35	" " " " "	157°-15'	3.89	.02938	−	1°-41'	-11.4	4.9	-16.3	919.2
5-36	" " " " "	139°-51'	2.50	.05292	−	3°-02'	-13.2	4.9	-18.1	917.4
5-37	S.W. Cor. Con. Block House E+W 26' N+S 24'	157°-18'	1.90	.04798	−	2°-45'	-9.1	4.9	-14.0	921.5
5-38	Gen. Elev.	209°-56'	1.53			00		5.98		929.5

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
5-39	Gen. Elev.	209°-56'	3.69			00		5.38		930.1
5-40	" "	206°-15'	5.52			00		5.80		929.7
5-41	" "	200°-37'	7.25			00		5.39		930.1
5-42	" "	190°-16'	7.08			00		6.00		929.5
5-43	" "	187°-10'	5.00			00		7.15		928.3
5-44	" "	171°-20'	4.72			00		8.65		926.8
5-45	S.W. Cor. Green Shingle House So. N & S 18' E & W 22'	177°-52'	5.30			00		8.68		926.8
5-46	S.W. " No. " E & W 20' " N & S 20' "	177°-40'	6.85			00		8.75		926.7
5-47	S.E. New Stucco Two story House N & S 30' E & W 48'	116°-21'	2.80	.05234	−	3°-00'	-14.7	4.9	-19.6	915.9
5-48	S.E. Cor. of Green House N & S 28' E & W 95'	145°-52'	3.40	.05234	−	3°-00'	-17.8	4.9	-22.7	912.8
5-49	To △ #6 Elev. 904.05 = 908.90	122°-36'	7.73	.03490	−	2°-00'	-27.0	4.9	-31.9	903.6
	H.I. = 4.85									
6-1	At △ #6 to #5	302°-36'	7.93	.03490	+	2°-00'	+27.0	4.9	+22.1	931.0
6-2	S.W. Cor. Barn N & S 38' E & W 20'	310°-57'	3.95	.01367	+	0°-47'	+5.4	-4.9	+0.5	909.4
6-3	Gen. Elev.	359°-12'	2.70			00		2.85		906.0

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
6-4	Gen. Elev.	28°-14'	2.43			00		0.10		908.8
6-5	Top Ridge Back Slope Snell Ave. Road	57°-04'	4.00	.03810	+	2°-11'	+15.2	4.9	+10.3	919.2
6-6	Gen. Elev.	69°-31'	2.40			00		3.00		905.9
6-7	" " Toe Slope Snell. Ave. Road	82°-35'	3.62			00		1.60		907.3
6-8	" " "	107°-27'	3.70			00		4.83		904.1
6-9	Toe Slope At Road Edge LK. Top LK.	123°-36'	4.24			00		5.80		903.1
6-10	Center Robinson Lake	132°-22'	3.80			00		6.89		902.0
6-11	Gen. Elev.	359°-05'	2.08			00		3.20		905.7
6-12	" " Bot. of Lake	150°-25'	3.01			00		7.59		901.3
6-13	" "	306°-48'	3.53			00		2.74		906.2
6-14	Bottom LK. East Edge Pot Hole	155°-36'	2.83			00		8.00		900.9
6-15	Top Ridge At Rob. Lake Face Cut	156°-07'	2.80			00		5.58		903.3
6-16	Gen. Elev.	271°-50'	3.19			00		4.20		904.7
6-17	Bot. of Rob. Lake	131°-36'	1.48			00		8.30		900.6
6-18	On Slope Toe Slope Old Snell. Rd.	266°-43'	4.83	.02123	+	1°-13'	+10.3	4.9	+5.4	914.3
6-19	Edge Rob. Lake	129°-13'	1.45			00		5.57		903.3

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
6-20	Toe Slope Old Snell. Road	237°-52'	5.51	.01891	+	1°-05'	+10.4	4.9	+ 5.5	914.4
6-21	Bot. of Pot Hole Rob. LK.	144°-05'	2.31			00		8.05		900.8
6-22	Gen. Elev.	235°-49'	4.09			00		3.82		905.1
6-23	Edge Rob. Lake	142°-56'	2.35			00		5.64		903.3
6-24	Gen. Elev.	210°-11'	4.65			00		2.70		906.2
6-25	Bot. of Rob. LK.	157°-38'	4.07			00		8.19		900.7
6-26	Center Old Snell. Rd.	209°-27'	6.73	.02618	+	1°-30'	+17.6	4.9	+12.7	921.6
6-27	Gen. Elev. In Lake	157°-06'	4.11			00		6.08		902.8
6-28	S.E. Cor. Frame House N. S20' E. W. 42'	201°-12'	6.09	.01920	+	1°-06'	+11.7	4.9	+ 6.8	915.7
6-29	Gen. Elev.	189°-37'	5.32			00		3.60		905.3
6-30	Edge LK. At Fce. Line	188°-32'	3.84			00		6.07		902.8
6-31	Center Old Snell. Road	192°-18'	7.24	.02152	+	1°-14'	+15.6	4.9	+10.7	919.6
6-32	Edge Rob. LK.	165°-28'	6.18			00		5.90		903.0
6-33	Edge Rob. LK.	158°-02'	6.85			00		6.00		902.9
6-34	Gen. Elev.	173°-29'	7.29			00		3.60		905.3
6-35	Edge LK. Toe Slope Snell Ave.	150°-45'	7.10			00		6.31		902.6

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Date ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
6-36	Toe Slope Rt Road	157°-13'	8.95			00		2.50		906.4
6-37	Flo. Line 15" Cross Drain old Rd.	159°-54'	8.83			00		3.08		905.8
6-38	Center Old Road	160°-37'	9.12	.01280	+	0°-44'	+11.7	4.9	+ 6.8	915.7
6-39	" " "	174°-41'	8.59	.01542	+	0°-53'	+13.2	4.9	+ 8.3	917.2
6-40	Toe Slope Rt Short Rd.	174°-13'	8.25	.00785	+	0°-27'	+6.5	4.9	+ 1.6	910.5
6-41	Old Road ?	180°-00'	8.30	.01222	+	0°-42'	+10.1	4.9	+ 5.2	914.1
6-42	Flo. Line 12" Cross Drain	178°-38'	8.00	.00902	+	0°-31'	+7.2	4.9	+ 2.3	911.2
6-43	To △ #7 Elev. 921.34 = 926.14	168°-39'	12.50	.01309	+	0°-45'	+16.4	4.9	+ 11.5	920.4
	H.I. = 4.80									
7-1	At △ #7 to #6	348°-39'	12.50	.01396	−	0°-48'	−17.5	4.8	−22.3	903.8
7-2	Flo. Line 15" Cross Dr. Short Rd.	9°-27'	3.50	.01629	−	0°-56'	−5.7	12.00	−17.7	908.4
7-3	℄ R.R. & Old Snell. Road	346°-15'	3.09			00		9.30		916.8
7-4	Flo. Line 24" Con. Cr. Dr. Thr. Snell. Ave.	24°-47'	2.73	.02792	−	1°-36'	−7.6	9.00	−16.6	909.5
7-5	℄ R.R.	310°-26'	4.88			00		8.90		917.2
7-6	Flo. Line 24" Con. Cr. Dr. under Snell. Ave.	39°-55'	3.11	.02879	−	1°-39'	−9.0	9.00	−18.0	908.1

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	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
7-7	On No. R.R. Back Slope Fce.	305°-44'	4.55			0 0		4.9		921.2
7-8	Flo. Line 30" Con. Cr. DH. under R.R. N.E.	38°-22'	3.31	.02850	−	1°-38'	-9.4	9.0	-18.4	907.7
7-9	℄ R.R.	300°-50'	6.37			0 0		8.00		918.1
7-10	No. Back Slope R.R.R-W. Fce.	297°-28'	6.00			0 0		4.90		921.2
7-11	24"x24" Masonary Culv. under So. End Co. Rd. "C"	57°-15'	3.83	.02036	−	1°-10'	-7.8	9.0	-16.8	909.3
7-12	℄ Co. Rd. "C"	294°-31'	5.77			0 0		7.20		918.9
7-13	" " "	305°-07'	3.99			0 0		7.90		918.2
7-14	℄ Co. "C" Int. Old Snell. Road	350°-07'	2.10			0 0		9.40		916.7
7-15	24"x24" Masonary Culv. No. End	61°-39'	3.69	.03228	−	1°-51'	-11.8	4.8	-16.6	909.5
7-16	Int. Snell. Ave. & Co. Rd. "C"	36°-25'	2.45			0 0		9.60		916.5
7-17	Gen. Elev. & Toe Slope	29°-07'	1.75			0 0		12.1		914.0
7-18	" " No. Back Slope Co. R. "C"	337°-51'	1.94			0 0		9.00		917.1
7-19	Top. Ridge Bk. Slope Road " " "	312°-41'	2.78			0 0		4.40		921.7
7-20	Flo. Line 24" C.M. Under Snell. Ave. E. End	140°-32'	1.92			0 0		14.98		911.1
7-21	Back Slope Road Fence Line	300°-03'	3.90			0 0		7.20		918.9
7-22	Flo. Line 24" C.M. Under Snell. Ave. W. End	120°-46'	1.98			0 0		14.60		911.5

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	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
7-23	On Slope	275°-35'	2.55			00		8.90		917.2
7-24	Top Ridge	277°-47'	1.75			00		4.90		921.2
7-25	" "	110°-05'	2.38			00		4.40		921.7
7-26	On Slope	206°-20'	3.00			00		8.50		917.6
7-27	Toe Slope In Ravine	165°-29'	3.08			00		12.70		913.4
7-28	On Ridge	182°-25'	2.65			00		6.70		919.4
7-29	Toe Slope In Ravine	180°-29'	4.41			00		15.10		911.0
7-30	Gen. Elev.	193°-47'	1.05			00		5.60		920.5
7-31	℄ Snell. Ave. Int. Glvck Fm. Ent.	163°-00'	5.05			00		4.40		921.7
7-32	Gen. Elev.	299°-53'	1.08			00		5.60		920.5
7-33	℄ Snell. Ave.	151°-56'	3.11			00		6.30		919.8
7-34	On Slope	79°-47'	0.24			00		5.10		921.0
7-35	Toe Slope Int. Co. "C" & Snell. Ave.	34°-30'	1.97			00		12.60		913.5
7-36	Land Slope & Toe Slope E. Side Snell. Ave.	74°-41'	1.19			00		12.70		913.4
7-37	Toe Slope Co. "C" & Snell. N.W. Cor.	47°-13'	2.47			00		13.40		912.7
7-38	" " Snell. Ave. W. Side	80°-51'	1.80			00		13.10		913.0

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	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
7-39	Top Back Slope N. S. Road	145°-12'	3.25			0 0		3.10		923.0
7-40	Top Ridge Erw 50' N v S 30'	80°-02'	3.20			0 0		6.90		919.2
7-41	S.E. Cor. Gluck Farms Bldg.	150°-27'	6.45	.01018	+	0°-35'	+6.6	4.8	+ 1.8	927.9
7-42	Gen. On Slope	103°-40'	3.35			0 0		6.90		919.2
7-43	Center So. Silo 14' Dia.	144°-30'	6.08	.00989	+	0°-34'	+6.0	4.8	+ 1.2	927.3
7-44	Gen. Elev.	128°-55'	4.19			0 0		4.00		922.1
7-45	On Slope	145°-05'	4.75			0 0		3.10		923.0
7-46	Gen. On Slope	116°-58'	5.48			0 0		2.10		924.0
7-47	Top Knoll	96°-09'	4.55			0 0		4.90		921.2
7-48	Gen. Elev.	103°-14'	5.28			0 0		5.50		920.6
7-49	Toe Slope Co. Rd. "C" No. Side	70°-35'	4.80	.02269	−	1°-18'	-10.9	4.8	-15.7	910.4
7-50	℄ Co. Rd. "C"	68°-03'	4.89			0 0		10.70		915.4
7-51	Toe Slope "C" No. Side	74°-38'	5.98			0 0		14.60		911.5
7-52	" " " So. "	67°-05'	5.15			0 0		14.30		911.8
7-53	℄ Co. Rd. "C" ?	172°-04'	6.09			0 0		10.40		915.7
7-54	Toe Slope R.R. No. Side	65°-10'	5.82			0 0		14.20		911.9

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
7-55	Toe Slope #1 RR. No. Side	71°-26'	6.24			00		14.70		911.4
7-56	Toe Slope Co. Rd. "C" Fce. Line?	79°-23'	7.85			00		14.90		911.2
7-57	" " " " " So. Side	76°-23'	8.00			00		13.80		912.3
7-58	℄ Co. Rd. "C"	77°-55'	7.96			00		10.20		915.9
7-59	Toe RR. Slope No. Side	73°-37'	8.30			00		13.40		912.7
7-60	Fce. Cor. - W. & No.	77°-30'	6.58			00		12.30		913.8
7-61	N. & S. on Fence	89°-43'	6.36			00		12.70		913.4
7-62	At "	103°-22'	6.50			00		7.20		918.9
7-63	" "	112°-58'	6.84			00		0.40		925.7
7-64	Top Slope	118°-59'	6.73	.01280	+	0°-44'	+8.6	4.8	+3.8	929.9
7-65	To △* 8 Elev. 931.19 = 936.24	120°-49'	8.60	.01105	+	0°-38'	+9.5	4.8	+4.7	930.8
	H.I. = 5.05									
8-1	At △* 8 to 7*	300°-49'	8.60			00		14.80		921.4
8-2	S.W. Cor. West Barn E & W 24' N & S 28'	256°-28'	1.99			00		7.10		929.1
8-3	" " " Shed & N.E of N. & S. Fce. E & W 36' N & S 50'	249°-30'	1.24			00		6.80		929.4

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	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
	N. & S. 29' E. & W. 35'									
8-4	S.W. Cor. Gravel Frm. House	283°-14'	2.53			00		7.40		928.8
8-5	Fce. Line Top Slope	301°-51'	1.36			00		5.50		930.7
8-6	S.W. Cor. East Barn E & W 32' N & S 58'	261°-32'	3.46			00		8.30		927.9
8-7	Fce. Cor. W. & So.	205°-14'	2.50			00		6.60		929.6
8-8	" " No. & East	227°-40'	1.38			00		6.60		929.6
8-9	Top Slope Fence Line E & W.	164°-15'	2.36			00.		3.50		932.7
8-10	Gen. Elev.	200°-14'	0.92			00		4.30		931.9
8-11	Fce. Line Top Slope	131°-58'	3.39			00		3.60		932.6
8-12	Gen. On Slope	123°-25'	1.41			00		7.60		928.6
8-13	Fce. Line E & W & Jct. So. Fce.	113°-11'	5.64			00		6.40		929.8
8-14	Gen. On Slope	101°-00'	3.45			00		5.50		930.7
8-15	N & S Fce. Line & Edge Woods	94°-53'	5.30			00		5.90		930.3
8-16	Gen. On Slope	74°-06'	3.55			00		9.40		926.8
8-17	Fce. Line N & S Edge Woods	73°-38'	5.60			00		5.90		930.3
8-18	Gen. On Slope	59°-54'	2.06			00		12.50		923.7
8-19	N & S Fce. Line Edge Woods	55°-53'	6.59			00		12.10		924.1

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Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
8-20	On Slope	350°-53'	1.13			0 0		10.70		925.5
8-21	Toe Slope Int. N. Slope "C" R-W. Fce. & N. Rd.	45°-17'	7.82	.01513	−	0°-52'	-11.8	5.1	-16.9	919.3
8-22	On Slope Gen. Elev.	357°-48'	2.67	.05321	−	3°-03'	-14.2	5.1	-19.3	916.9
8-23	Toe Slope No. R-W. Fence	32°-58'	6.70	.02560	−	1°-28'	-17.2	5.1	-22.3	913.9
8-24	Gen. On Slope	35°-58'	3.18	.04827	−	2°-46'	-15.3	5.1	-20.4	915.8
8-25	Toe Slope No. R-W. Fence	13°-03'	5.89	.03199	−	1°-50'	-18.8	5.1	-23.9	912.3
8-26	Gen. On Slope	57°-43'	4.55	.02443	−	1°-24'	-11.1	5.1	-16.2	920.0
8-27	" Elev. Toe Slope	6°-37'	4.53	.03984	−	2°-17'	-18.0	5.1	-23.1	913.1
8-28	Toe Slope	43°-46'	5.63	.02996	−	1°-43'	-16.9	5.1	-22.0	914.2
8-29	" "	26°-40'	4.69	.04013	−	2°-18'	-18.8	5.1	-23.9	912.3
8-30	℄ Co. Rd. "C"	41°-24'	7.76	.01454	−	0°-50'	-11.3	5.1	-16.4	919.8
8-31	Toe Slope On R.R. No. Side	35°-00'	8.00	.01949	−	1°-07'	-15.6	5.1	-20.7	915.5
8-32	" " Co. Rd. "C" So. Side	36°-23'	7.54	.02094	−	1°-12'	-15.8	5.1	-20.9	915.3
8-33	To △ #9 Elev. 936.67 = 941.77	97°-37'	7.20	.00495	+	0°-17'	+3.6	-3.0	+0.6	936.8
	H.I. = 5.10									
9-1	At △ #9 to #8	277°-37'	7.20			0 0		10.62		931.2

Page 28 Transit ..... Obs. ..... Line .....

Date 6/26/35 ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
9-2	Top Ridge	186°-49'	0.70			00		4.30		937.5
9-3	On Slope	186°-46'	1.14			00		8.70		933.1
9-4	" Fce. Line NW Edge Woods	121°-51'	1.64			00		3.00		938.8
9-5	" Slope	145°-00'	1.66			00		5.60		936.2
9-6	" Fce. Line	80°-17'	2.46			00		2.00		939.8
9-7	" Slope	100°-24'	2.15	.00262	+	0°-09'	+0.6	5.1	-4.5	937.3
9-8	" Fce. Line	66°-49'	3.45			00		1.80		940.0
9-9	Gen. on Slope	39°-33'	2.73			00		3.10		938.7
9-10	On Fce. Line	58°-22'	4.60			00		2.40		939.4
9-11	Gen. On Slope	43°-45'	1.71			00		4.40		937.4
9-12	" Elev.	40°-06'	4.49			00		3.10		938.7
9-13	" On Slope	92°-28'	0.48			00		3.60		938.2
9-14	" Elev.	41°-01'	6.24			00		3.50		938.3
9-15	" On Slope	296°-41'	1.09			00		10.10		931.7
9-16	" Fce. & Cor. Near Rd.	41°-43'	8.04			00		2.90		938.9
9-17	" Slope	339°-22'	2.25			00		12.00		929.8

Page 29 Transit Obs. Line

Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
9-18	On Slope	5°46'	2.33			0 0		9.40		932.4
9-19	Fce. Toe Slope Rd. N. Side	25°15'	6.80			0 0		6.90		934.9
9-20	On Slope	351°46'	3.79	.01891	−	1°05'	-7.2	5.1	-12.3	929.5
9-21	Fce. Line At Rd. N. Side	5°47'	6.54	.01164	−	0°40'	-7.6	5.1	-12.7	929.1
9-22	On Slope	23°32'	3.60	.00698	−	0°24'	-2.5	5.1	-7.6	934.2
9-23	" "	23°20'	5.50	.00582	−	0°20'	-3.2	5.1	-8.3	933.5
9-24	To △#10 Elev. 938.95 = 944.10	59°25'	6.64	.00291	+	0°10'	+1.9	5.1	-3.2	938.6
	H.I. = 5.15									
10-1	At A#10 to #9	239°25'	6.64			0 0		7.40		936.7
10-2	Mont. to N.¼ Cor. Sec. 9	55°00'	9.18	.01454	−	0°50'	-13.3	5.2	-18.5	925.6
10-3	Top Back Slope Co. Rd. "C" S. Side	11°42'	3.40			0 0		6.10		938.0
10-4	" " " " " " " "	351°38'	3.44			0 0		4.80		939.3
10-5	" " " " " " " "	330°03'	3.95			0 0		8.20		935.9
10-6	" " " " " " " "	314°03'	5.01			0 0		10.50		933.6
10-7	Top Slope	217°07'	2.35			0 0		7.20		936.9

Page 30 Transit ..... Obs. ..... Line .....

Date ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
10-8	On Slope	187°-53'	1.21			0 0		8.00		936.1
10-9	℄ Road Co. Rt. "C"	30°-49'	3.40	.03984	−	2°-17'	-13.5	5.2	-18.7	925.4
10-10	Top Ridge	206°-12'	0.84			0 0		4.00		940.1
10-11	℄ Co. Rd. "C"	54°-24'	5.81	.04217	−	2°-25'	-24.5	5.2	-29.7	914.4
10-12	On Slope	91°-29'	0.84			0 0		9.40		934.7
10-13	Int. Co. Rd. "C" & New Brighton Rd.	71°-01'	8.00	.01774	−	1°-01'	-14.2	5.2	-19.4	924.7
10-14	Edge Woods S.W. Cor. Sec.	3°-24'	1.36			0 0		5.70		938.4
10-15	Int. R.R. & New Brighton Rd.	65°-31'	8.39	.01774	−	1°-01'	-14.9	5.2	-20.1	924.0
10-16	On Slope	27°-03'	1.80			0 0		10.40		933.7
10-17	℄ R.R.	56°-19'	6.34	.02501	−	1°-26'	-15.9	5.2	-21.1	923.0
10-18	Top Ridge Back Slope Co. Rd. "C" N. Side	11°-11'	2.53			0 0		5.60		938.5
10-19	36" Con. Pipe Under R.R. Flo. Line	59°-27'	6.46	.04013	−	2°-18'	-25.9	9.00	-34.9	909.2
10-20	Back Slope Rd. On Slope	25°-31'	2.77			0 0		12.10		932.0
10-21	24" Corrugated Pipe Under Co. Rt. "C"	57°-28'	5.56	.04391	−	2°-31'	-24.4	12.00	-36.4	907.7
10-22	℄ Ditch No. Co. Rd. "C"	63°-34'	5.25	.06018	−	3°-27'	-31.6	5.2	-36.8	907.3
10-23	At Mont. N. 1/4 Cor. Sec. 9 55°00'	235°-00	9.18	.01454	+	0°-50'	+13.3	5.2	+8.1	952.2
	H.I. = 5.30									

Page 31 Transit ..... Obs. ..... Line .....

Date 7/2 ..... Rec. ....

	OBJECT	Azimuth	Stadia	Distance	Intervals or Ver. Angle: Up+ Down−	No. of Int. or Angle	Rod Equiv.	Read. on Rod	Diff. of Elev.	Elevation above Datum
	Elev. 925.71 = 930.81									
	H.I. = 5.10									
	At N¼ Cor. Sec. 9 0°-00' = So.									
C-1	On Slope At N × S Fce.	273°-33'	7.23			0 0		4.90		925.9
C-2	Toe Slope New Brighton Rd.	200°-44'	0.83			0 0		9.30		921.5
C-3	At Fce. Line N. S	293°-55'	7.40			0 0		4.40		926.4
C-4	Toe Slope New Brighton Rd.	300°-06'	0.33			0 0		11.70		919.1
C-5	On Slope Edge Swamp	293°-03'	6.20	.02589	−	1°-29'	-16.0	5.1	-21.1	909.7
C-6	" " × On Slope Line	349°-00'	1.43			0 0		4.90		925.9
C-7	" " Edge Swamp At Fce.	258°-50'	4.98	.02938	−	1°-41'	-14.6	5.1	-19.7	911.1
C-8	" "	316°-18'	1.76			0 0		10.80		920.0
C-9	Toe Slope R.R. So. Side	256°-41'	5.28	.02181	−	1°-15'	-11.5	5.1	-16.6	914.2
C-10	" " Edge Swamp	294°-08'	2.32	.06831	−	3°-55'	-15.8	5.1	-20.9	909.9
C-11	" " R.R. So. Side	251°-48'	4.00	.04071	−	2°-20'	-16.3	5.1	-21.4	909.4
C-12	" " Edge Swamp	259°-44'	2.11	.07556	−	4°-20'	-15.9	5.1	-21.0	909.8

Page 32 Transit ..... Obs. ..... Line .....

Date ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
C-13	36" Oval Con. Cu. V. Under R.R.	234°-02'	2.43	.05524	−	3°-10'	-13.4	8.00	-21.4	909.4
C-14	Toe Slope Edge Swamp On Fce. Line	239°-24'	2.32	.06569	−	3°-46'	-15.2	5.1	-20.3	910.5
C-15	Toe R.R. Slope	231°-06'	2.21	.04594	−	2°-38'	-10.2	5.1	-15.3	915.5
C-16	Top Knoll R-W Fce.	228°-48'	1.82			00		11.00		919.8
C-17	Fce. cor. R.R.	201°-02'	1.31			00		8.60		922.2
C-18	Toe Slope Rd. Sec. Line Fce. E r W cor.	270°-13'	0.28			00		11.30		919.5
C-19	Fce. Line	270°-13'	1.23	.10135	−	5°-49'	-12.5	5.1	-17.6	913.2
C-20	Toe Slope # Rd. Fce. Line	351°-32'	1.83			00		5.90		924.9
C-21	On Slope	315°-35'	2.60	.04188	−	2°-24'	-10.9	5.1	-16.0	914.8
C-22	Toe Slope # Rd. Fce. Line	354°-58'	2.98			00		4.20		926.6
C-23	" " Edge Swamp	306°-45'	2.93	.05437	−	3°-07'	-15.9	5.1	-21.0	909.8
C-24	Gen. Elev.	345°-23'	3.55			00		2.50		928.3
C-25	Toe Slope Edge Swamp	315°-50'	4.05	.03868	−	2°-13'	-15.7	5.1	-20.8	910.0
C-26	Gen. Elev.	302°-26'	3.44			00		7.20		923.6
C-27	On Slope	70°-30'	1.33	.04362	+	2°-30'	+5.8	5.1	+0.7	931.5
C-28	~~Fce. Cor.~~ R.R. R-W Fce.	162°-39'	1.31			00		8.40		922.4

Page 33 Transit Obs. Line

Date Rec.

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
C-29	On Slope	81°-07'	3.85	.05001	+	2°-52'	+14.3	5.1	+9.2	940.0
C-30	Toe Line Of Slope	125°-31'	2.13			0 0		5.50		925.3
C-31	Top Knoll	78°-06'	3.85	.05030	+	2°-53'	+19.4	5.1	+14.3	945.1
C-32	" " Toe. Line R-W.	110°-55'	3.39	.03141	+	1°-48'	+10.6	5.1	+5.5	936.3
C-33	" "	60°-04'	5.19	.04943	+	2°-50'	+25.7	5.1	+20.6	951.4
C-34	" "	94°-20'	4.10	.03577	+	2°-03'	+14.7	5.1	+9.6	940.4
C-35	On Slope	43°-20'	4.41	.03868	+	2°-13'	+17.1	5.1	+12.0	942.8
C-36	" "	99°-16'	2.15	.01891	+	1°-05'	+4.1	5.1	−1.0	929.8
C-37	Gen. On Slope	22°-42'	3.95	.03403	+	1°-57'	+13.4	5.1	+8.3	939.1
C-38	Toe Slope New Brighton Rd. W. Side.	148°-21'	0.38			0 0		7.00		923.8
C-39	" " " " " "	3°-37'	3.48	.01629	+	0°-56'	+5.7	5.1	+0.6	931.4
C-40	" " " " " "	10°-10'	1.21			0 0		6.00		924.8
C-41	" " " " " "	7°-09'	2.23			0 0		5.20		925.6
C-42	℄ center " " "	0°-05'	1.22			0 0		2.70		928.1
C-43	Flo. Line 15" Culv. Con. Thru N.B. Rd. W. End	191°-37'	1.59			0 0		10.60		920.2
C-44	" " " " " " " " E. End	188°-17'	1.59			0 0		10.80		920.0

Page.........Transit................Obs................Line..

Date..............................Rec................. ....

OBJECT	AZIMUTH	STADIA	DIS-TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+ Down−	No. of Int. or Angle	Rod Equiv.			

Page.........Transit.................Obs.................Line...

Date...............................Rec..................   ....

OBJECT	AZIMUTH	STADIA	DIS-TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+ Down−	No. of Int. or Angle	Rod Equiv.			

1-"A"

Page..... Transit..... Obs..... Line.....

Date 7/8/35 Rec.....

OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD.	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
Location of Lake on Ditch #4									
At △ #9 to #8 0°-00' = So.	279°-37'								
H.I. = 5.20									
At △ #9 to "A" 936.67+4.90=941.57 Elev. 921.56=	199°-09'	4.93	.03112	−	1°-47'	-15.3	-4.9	-20.2	921.37
H.I. = 4.90			1						
At △ "A" to #9	19°-09'	4.93	.03112	+	1°-47'	+15.3	-4.9	+10.4	936.9
At △ "A" to "B" 921.56+5.05=926.61 Elev. 911.25=	166°-03'	8.02	.01309	−	0°-45'	-10.5	-5.1	-15.6	911.01
H.I. = 5.05									
At △ "B" to "A" 911.01 +5.0=916.0	346°-03'	8.02	.01309	+	0°-45'	+10.5	-5.1	+5.4	921.4
H.I. 5.0 ?									
A-1 Inlet of Ditch #4 to Lake	254°-46'	2.45	.07121	−	4°-05'	-17.4	-5.1	-22.5	893.5
B-✓ Edge of Lake	268°-41'	3.38	.05234	−	3°-00'	-17.7	-5.1	-22.8	893.2
B-3 " " "	266°-11'	4.29	.04071	−	2°-20'	-17.5	5.1	-22.6	893.4

Page 2 "A" Transit ..... Obs. ..... Line .....

Date ..... Rec. .....

	OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
B-4	Edge of Lake	252°-49'	5.05	.03490	-	2°-00'	-17.6	5.1	-22.7	893.3
B-5	Outlet of Lake Into Ditch #4	241°-06'	6.00	.02938	-	1°-41'	-17.6	5.1	-22.7	893.3
B-6	Edge of Lake	230°-26'	6.91	.02501	-	1°-26'	-17.3	5.1	-22.4	893.6
B-7	" " " 1/4 Sec. Line	220°-57'	7.65	.02327	-	1°-20'	-17.8	5.1	-22.9	893.1
B-8	" " "	217°-40'	6.52	.02763	-	1°-35'	-18.0	5.1	-23.1	892.9
B-9	" " " 1/4 Sec. Line	210°-32'	6.52	.02676	-	1°-32'	-17.4	5.1	-22.5	893.5
B-10	" " "	198°-52'	7.31	.02385	-	1°-22'	-17.4	5.1	-22.5	893.5
B-11	" " "	187°-35'	7.78	.02298	-	1°-19'	-17.9	5.1	-23.0	893.0
B-12	" " "	180°-38'	7.65	.02327	-	1°-20'	-17.8	5.1	-22.9	893.1
B-13	" " "	173°-38'	6.82	.02589	-	1°-29'	-17.7	5.1	-22.8	893.2
B-14	" " " 1/4 Sec. Line	164°-16'	5.85	.03083	-	1°-46'	-18.0	5.1	-23.1	892.9
B 15	" " "	163°-51'	4.37	.04071	-	2°-20'	-17.8	5.1	-22.9	893.1
B 16	" " "	172°-51'	3.06	.05785	-	3°-19'	-17.7	5.1	-22.8	893.2
B 17	" " "	203°-45'	2.73	.06511	-	3°-44'	-17.8	5.1	-22.9	893.1
B 18	" " "	223°-12'	3.02	.05960	-	3°-25'	-18.0	5.1	-23.1	892.9
B 19	" " "	237°-42'	2.28	.07701	-	4°-25'	-17.6	5.1	-22.7	893.3

Page 3-"A" Transit ..... Obs. ..... Line .....

Date ..... Rec. .....

OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
20 Center Ditch #4 So. of Lake	280°-50'	1.85	.09150	-	5°-15'	-16.9	5.1	-22.0	894.0
21 " " " " " "	228°-54'	2.18	.06627	-	3°-48'	-14.4	5.1	-19.5	896.5
22 " " " " " "	339°-00'	3.72	.02879	-	1°-39'	-10.7	7.00	-17.7	898.3
23 " " " " " "	348°-40'	4.26	.01745	-	1°-00'	-7.4	9.00	-16.4	899.6

Page.........Transit.................Obs.................Line..

Date...................................Rec................... ....

OBJECT	AZIMUTH	STADIA	DIS-TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+ Down−	No. of Int. or Angle	Rod Equiv.			

Page.....Transit.....Obs.....Line.....

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OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE: Up+ Down−	No. of Int. or Angle	Rod Equiv.	READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
N = 0°-00'									
AT Δ #1									
Δ #2									
AT Δ #2									
Δ #1									
Δ #3									