

Bk. 114 Dr. 16

WHITE BEAR AVE.

Vicinity OF County Road "C"

Stadia Survey

Page.....1.....Transit. *A5311*.....Obs. *Wilke*.....Line.....
 Date.....*5/28/43*.....Rec. *L.D.G.*.....*ALM* *Red*.....

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			
At pt 20' West S 1/4 Cor Sec 2-29-22								
To $\square$ #1	0° 00		800'					
[929.97] Elev #1								
At $\square$ #1	H.I 460							H.I. = 934.57
To pt 20' West S 1/4 Cor	180° 00		800'					
To $\square$ #2	277° 19'	8.36				6.1		928.47
West Shore Casey Lake	40° 00'	0.39				7.3		27.3
" "	14° 45'	1.20				7.5		27.1
" "	169° 30"	0.47				7.4		27.2
Shore Line & N 1/5 Fe Line	5° 30'	1.93				7.6		27.0
"	169° 45'	0.86				7.2		27.4
Gen Elev	177° 00	2.70				2.1		32.5
Shore Line	26° 45'	2.56				7.3		27.3
Gen Elev	180° 00	1.70				3.8		30.8
N 1/5 Fe & Shore Line	330° 00	3.26				7.0		27.6

Cascy Lake

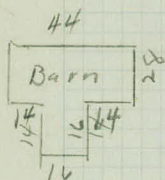
Hub #1



6/5/3

Red
Elbow
rocks

Notes
1/8/1981
1/18/1981
1/18/1981
1/18/1981



Barn

918.93

410

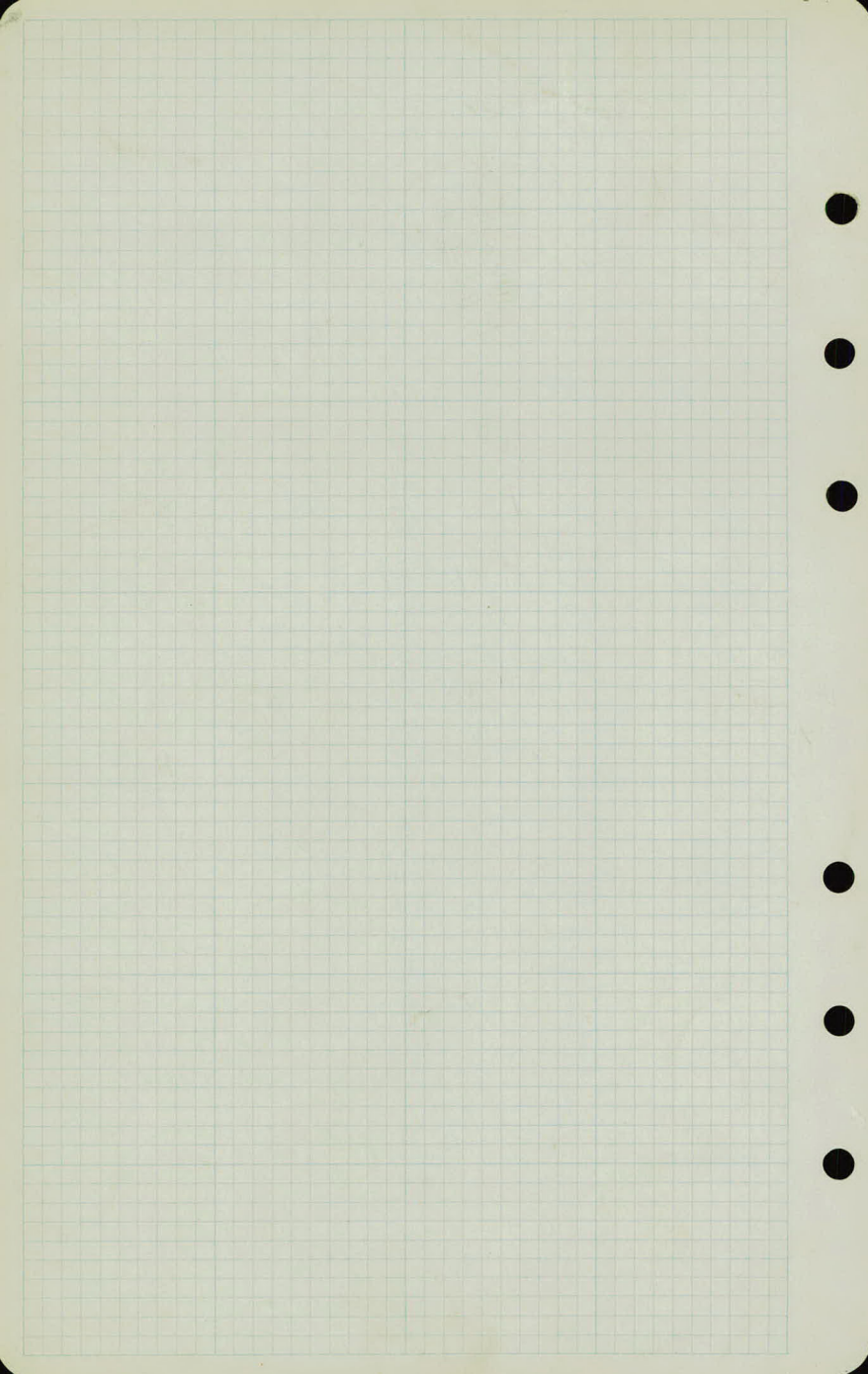
918.97

Hub #2

927.07

White Bear Hill

Hub #2



Elev of Stadium Hubs
White Bear Ave

Sta	+	A	-	Elev
	2.12	932.71		930.59
	5.64	932.71	5.64	927.07

T.P.	5.29	932.27	5.73	926.98
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24" X Drain under W.B.A

T.P.	13.11	933.49	11.89	920.38
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	4.29	937.39	0.39	933.10
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Top U.S.G.S NE Cor Co Rd & White Bear Ave
Top Hub # 2A

^{13.74} W.S. of Pothole in Front of House East Hub 2A.
^{13.73} W.S.

Elev Hub # 2

3.72 928.55

East Inv 13.94 - 918.33

West Inv 14.23 918.04

7.32 W.S. Pothole on Top Ridge East of Barn ^{WB} 926.17
931.17

7.47 Elev Hub # 1

929.97

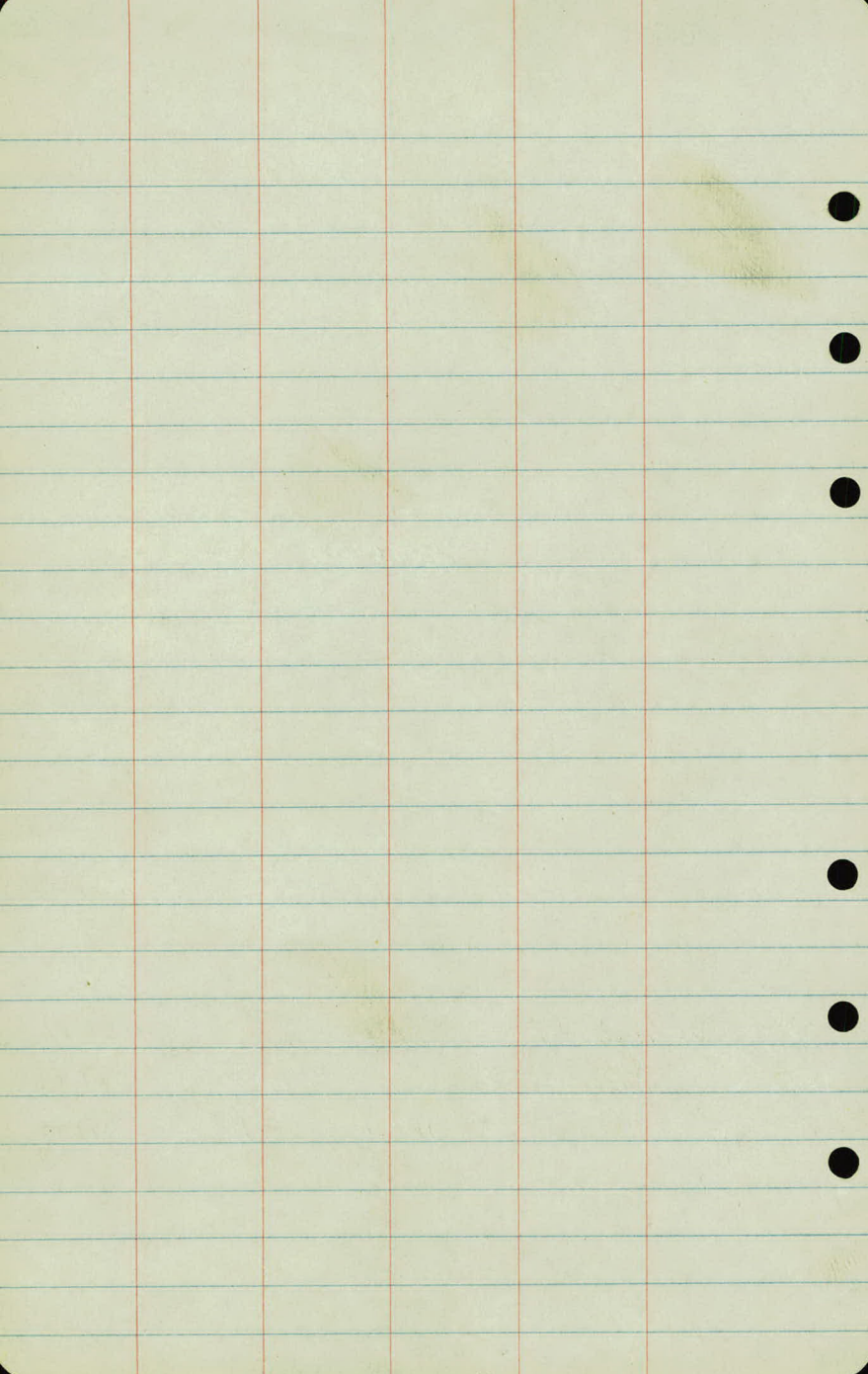
10.08 W.S. Casey Lake

^{WB} 927.31

927.01

10.32 W.S. Pothole 70' West Hub # 1

927.07



Page 2 Transit W. Ke Obs. W. Ke Line W. Ke
 Date 1.20.11 Rec. L. D. A. M.

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.			
				H.I 934.57					
R East & West Ditch	179° 30'	0.55					9.0		26.6
Shore Line W.S 929.01	337° 15'	4.15					7.4	"	27.2
" "	345° 15'	4.42					7.4		27.2
" " N & S Fence	2° 15'	4.40					7.5		27.1
" "	11° 30'	4.53					7.5		27.1
" "	31° 0'	3.80					7.2		27.4
" "	41° 15'	4.90					7.5		27.1
Gen. Elev.	40° 15'	5.20					2.5		27.1
" "	31° 45'	5.10					0.6		34.0
" "	14° 30'	5.00		+0° 45'		+6.55	5.0	+1.55	36.1
" " N & S Fcs.	2° 0'	5.00		+0° 45'		+6.55	5.0	+1.55	36.1
Gen. Elev. Fcs. Cor. & Intersection E & W Fcs.	2° 0'	4.55					6.4		28.2
Gen. Elev.	4° 30'	4.75		+0° 35'		+4.84	5.0	-0.16	34.4
" " E & W Fcs.	3° 45'	4.50					5.6		29.0
Gen. Elev. Int E & W Fcs & N & S Fcs	339° 30'	4.80					4.5		30.1
Gen. Elev.	341° 0'	5.20					2.1		32.5
" "	334° 0'	4.90					2.0		32.6

Page 3 Transit 45311 Obs. W. H. K. Line 1
 Date Rec. L. D. B. AM. Rd

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.		
Gen. Elev.	329°15'	4.40						
" " & N. & S. Fc.	335°45'	4.04						
Fc. Cor. Int. E & W & N. & S. Fc.	326°30'	3.00						
Gen. Elev.	325°30'	3.60						
E & W Fc. Line	317°30'	3.42						
Gen. Elev.	329°30'	2.70						
" "	344°15'	2.30						
" "	354°15'	1.92						
" " N & S Fc. Line	5°45'	1.85						
Int. N & S & E & W Fc.	9°0'	1.18						
Gen. & E & W Fc.	352°15'	1.17						
" "	315°20'	1.64						
" "	299°0'	2.42						
" & Fc. Cor. Int. N & S Fc.	293°0'	3.03						
2' Ditch E & W	285°45'	2.90						
" "	291°0'	2.31						
" "	288°30'	1.90						

H.I. 934.57

Page 4 Transit 45311 Obs. 4 AM Line
 Date Rec. L.D.G. AM

OBJECT	AZIMUTH	STADIA	DIS- TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+	No. of Int.	Rod			
				Down-	or Angle	Equiv.			
		<u>H.I.</u>	<u>934.57</u>						
End 2' Ditch To Pot Hole	277° 0'	1.46					8.5		26.1
Edge Pot Hole	289° 15'	1.36					8.3		26.3
Gen. Elev.	293° 15'	1.80					7.1		27.5
" "	314° 40'	1.47					6.6		28.0
Edge Pot Hole	300° 0'	1.21					8.1		26.5
" " "	272° 0'	1.42					8.3		26.3
Gen. Elev.	268° 45'	1.82					6.3		28.3
" "	253° 30'	1.94					5.3		29.3
Edge Pot Hole	253° 30'	1.40					8.2		26.4
" " "	242° 15'	1.29					8.2		26.4
Gen. Elev.	226° 30'	1.65					6.6		28.0
" "	213° 20'	1.32					5.6		29.0
" "	237° 20'	1.08					7.7		26.9
2' Ditch	252° 45'	1.06					8.6		26.0
"	238° 15'	0.80					7.8		26.8
"	218° 45'	0.65					7.8		26.8
Gen. Elev.	202° 50'	1.08					4.8		29.8

Page 5 Transit Obs Line

Date Rec

OBJECT	AZIMUTH	STADIA H.I 934.57	DIS- TANCE	INTERVALS OR VER. ANGLE		READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+ Down-	No. of Int. or Angle			
Gen. Elev.	212° 30'	0.69				7.0		27.6
" "	238° 30'	0.46				6.3		28.3
Pat. Hole Edge	255° 30'	0.94				8.1		26.5
" "	274° 30'	0.77				8.2		26.4
Gen. Elev.	274° 30'	0.28				5.2		29.4
" "	334° 0'	0.56				4.3		30.3
" "	352° 0'	0.56				3.0		31.6
Pat. Hole Edge	296° 30'	0.90				8.2		26.4
" "	301° 45'	1.06				8.3		26.3
Gen. Elev. Top Ridge	325° 45'	1.04				6.0		28.6
" " End N&S Fc.	273° 45'	2.87				3.6		31.0
" " Top Ridge	264° 45'	2.80		+1° 00'	+4.89	5.0	-0.11	34.5
" " " "	249° 15'	2.71		+1° 20'	+6.30	5.0	+1.3	35.9
" " " "	232° 20'	2.80		+1° 45'	+8.5	5.0	+3.5	38.1
" " " "	215° 30'	3.18		+1° 00'	+5.5	5.0	+0.5	35.1
¢ Draw	206° 45'	2.85				3.1		31.5
Gen. Elev. Top Ridge	215° 30'	4.30		+0° 30'	+3.8	5.0	-1.2	33.4

Page 6 Transit 45311 Obs. HAW Line
Date Rec. L.D.R. A.M.

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			
Gen. Elev. Top Ridge	228°30'	3.80		+1°14'	+8.2	10.0	-1.8	32.8
" " " "	238°30'	3.75		+0°52'	+5.7	5.0	+0.7	35.3
" " " "	245°20'	3.75		+1°0'	+6.5	5.0	+1.5	36.1
" " " "	255°30'	3.65		+0°28'	+3.0	5.0	-2.0	32.6
" " " "	267°15'	3.80				1.9		32.7
" " " "	274°36'	3.80				3.8		30.8
" " " "	287°15'	4.00				3.6		31.0
± Ditch	287°30'	3.90				7.7		26.9
End E & W Fc.	288°30'	3.70				4.6		30.0
± 2' Ditch	286°30'	3.55				7.7		26.9
			928.55					
								H.I. 933.27
At □ 2			H.I. 472					928.55
To □ 1	97°19'	8.36				3.4		29.87
To □ 2A	187°35'	4.52				6.2		27.07
To □ 3	286°11'	6.29		-	0°28'	-5.12	10.0	-15.12
± 2' Ditch E & W	87°10'	4.40				6.3		27.0
Gen Elev	87°45'	4.40				2.0		26.3

Page 7 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			
<u>H.I. 933.27</u>								
Fe Cor Int E W & N S E Gen Elev	85° 20"	4.20				6.1		27.2
2 Ditch	85° 40	4.20				7.4		25.9
Gen Elev	86° 45	4.08				5.1		28.2
East Shoulder W B Ave	18° 00	2.25				3.1		30.2
Rd Ditch	19° 00	2.25				5.2		28.1
Top Back Slope	20° 15	2.28				4.3		29.0
Gen Elev	21° 20	2.30				5.2		28.1
" "	92° 05	3.65				4.5		28.8
" "	93° 45	4.00				2.2		31.1
" "	42° 50	2.38				9.2		24.1
" "	103° 30	4.05				1.8		31.5
" "	61° 20	2.65				9.8		23.5
" "	103° 15	3.45				5.3		28.0
Fe Cor Int E W & N S E Gen Elev (1/4" E I W M)	103° 19	3.42				7.6		25.7
N E Cor Barn Fe " "	105° 34	3.42				7.3		26.0
Gen Elev	105° 21	3.45				4.9		28.4
E & West Fe Int & North & South Fe Gen Elev	73° 00	2.90				10.6		22.7

Page... 7 ... Transit... Obs. W. K. F. ... 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.		
H.I. 933.27								
Edge Pothole	115° 30'	4.20		+	0° 20'	+2.4	-10.00	28.7
" "	120° 20'	4.24					6.7	26.6
" "	" "	5.20					6.7	26.6
" "	115° 00'	4.55					6.7	26.6
Gen Elev. End Nt. Fe. S.W. Cor L. Shape Barn	67° 45'	3.23					8.9	25.4
" " N.W. Cor Barn (16' Nt. S. Mens)	67° 36'	3.35					6.2	27.1
Barn N.W. Cor. 24' E + W G. Elev	70° 25'	3.42					6.6	26.7
" S.W. Cor 14 Nt. S. (Thence E	72° 12'	3.33					6.6	26.7
18' N. on Barn 30' West 52')								
Gen Elev. S.W. Cor Barn + Beg. E + W Fe.	111° 05'	3.29					8.8	24.5
Top Ridge Gen Elev	113° 45'	3.75					3.8	29.5
" "	113° 45'	3.40					5.0	28.3
" "	123° 40'	3.58					3.0	30.3
Gen Elev	135° 15'	3.75					8.1	25.2
" " Top Ridge	129° 30'	4.50					3.0	30.3
" " E + W. Fe.	82° 00'	3.62					7.9	23.4
Gen Elev	133° 10'	5.15					8.2	25.1

Page... 8 ... Transit ... Obs. ... Line ...

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OBJECT	H.I. 933. 3 AZIMUTH	STADIA	DIS- TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+	No. of Int. or Angle	Rod Equiv.			
Edge Pothole	136°30'	5.25					11.8		21.5
± Pothole	117°15'	4.48					8.0		25.3
WS 5/2/43	117°15'	4.48					7.00		26.3
Pothole	144°45'	5.38					13.8		19.5
WS. 5/2/43	144°45'	5.38					13.3		20.0
Edge Pothole	135°00'	5.90					11.6		21.7
± Ditch E West	87°45'	3.32					12.8		20.5
Gen Elev	131°30'	5.88					7.1		26.2
In/ N/S Ditch & E West ditch	87°15'	2.40		-	2°30'	-10.5	5.0	-15.5	17.8
Gen Elev	133°00'	6.80					6.0		27.3
Edge Pothole	136°45'	6.50					11.5		21.8
± Ditch Angles S. West	86°45'	1.50		-	4°05'	-10.7	5.0	-15.7	17.6
Edge Swamp	141°30'	6.63					11.7		21.6
Gen Elev	143°45'	6.85					6.9		26.4
" "	148°45'	6.70					8.2		25.1
Edge Swamp	148°45'	6.15					12.7		20.6
± Pot Hole	148°30'	5.83		-	1°00'	-10.2	5.0	-15.2	18.1

Page 9 Transit Obs. W. Ke 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.		
<u>HI 933.3</u>								
Edge Pot Hole	157°45'	5.88				13.6		19.7
" " "	158°30'	6.28				12.2		21.1
± Pavement	19°00'	0.90				4.2		29.1
East Shoulder	27°45'	0.93				4.5		28.8
Rd. Ditch	32°30'	0.96				7.1		26.2
Top Back Slope	36°40'	1.00				6.6		26.7
Gen. Elev.	38°45'	1.01				7.4		25.9
" "	59°30'	1.55				12.4		20.9
± 2' Ditch N & S	63°45'	1.72				13.9		19.4
Gen. Elev.	71°00'	2.22				13.5		19.8
" "	79°30'	2.80				12.1		21.2
" "	85°30'	3.27				10.8		22.5
Toe Slope	94°15'	3.20				11.0		22.3
Gen. Elev.	93°15'	2.52				13.0		20.3
± 2' Ditch N & S	93°15'	2.46		- 1°10'	-5.0	10.0	-15.0	18.3
Gen. Elev.	90°00'	1.77				13.7		19.6
± 2' Ditch SW	87°30'	1.43		- 4°13'	-10.5	5.0	-15.5	17.8

Page 10 Transit.....Obs.....Line.....
 Date.....Rec.....

OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE		READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+ Down-	No. of Int. or Angle	Rod Equiv.		
<u>H.I. 933.3</u>								
Toe Slope	81°30'	0.91				12.5		20.8
" Fill slope	66°15'	0.53				9.2		24.1
E. Shoulder Line	55°00'	0.40				4.9		28.4
± Pave.	35°15'	0.30				4.9		28.4
" "	142°15'	0.16				5.3		28.0
E. Shoulder Line	122°45'	0.29				5.7		27.6
Toe Fill slope	113°45'	0.40				11.2		22.1
Gen. Elev.	106°10'	0.83				13.3		20.6
± Ditch	104°45'	1.01		-	3°07'	-5.5	10.0	17.8
Gen. Elev.	104°20'	1.71				13.5		19.8
± 2' Ditch N & S	103°20'	2.45		-	1°10'	-5.0	10.0	18.3
Gen. Elev.								
NW Cor. Int. N & S Fc.	103°10'	2.70				13.1		20.2
SW Cor. Int. E & W Fc. Gen. Elev.	111°30'	2.73				12.8		20.5
± N & S Ditch	112°35'	2.53		-	1°10'	-5.2	10.0	18.1
Gen. Elev.	117°10'	1.95				13.5		19.8
Low Spot	118°30'	1.80		-	1°35'	-5.0	10.0	18.3
Gen. Elev.	127°30'	1.38				12.8		20.5

Page 11 Transit Obs. HAW Line
 Date Rec.

OBJECT	AZIMUTH	STADIA	DIS- TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+	No. of Int. Down- or Angle	Rod Equiv.			
Gen. Elev.	140°45'	1.01					11.7		21.6
Bot. Ditch	157°05'	0.80		-	3°35'	-5.00	10.0	-15.0	18.3
Top Ditch	159°00'	0.78					12.6		20.7
Toe Slope	161°00'	0.76					11.8		21.5
Top Ditch	155°30'	0.81					13.0		20.3
E. Skidlr.	167°30'	0.72					6.0		27.3
& pave.	179°45'	0.66					5.7		27.6
Toe Slope	167°45'	1.03					9.9		23.4
Gen. Elev.	160°00'	1.12					8.7		24.6
NW Foundation & Gen. Elev.	142°00'	1.15					9.7		23.6
SW " " " "	150°04'	1.40					7.9		25.4
SE " " " "	142°00'	1.56					10.4		22.9
NE " " " "	133°37'	1.34					9.9		23.4
" Cor. " " "	133°37'	1.34					11.9		21.4
Gen. Elev.	129°00'	1.72					13.0		20.3
SW Cor. Out Bldg. ^{E&W N&S} 4'x7'	121°45'	1.95					13.1		20.2
NW " " " "	119°45'	1.90					12.9		20.4

Page 12 Transit Obs. Line
 Date 5-22-43 Rec.

OBJECT	AZIMUTH	STADIA	DIS- TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+	No. of Int.	Rod			
				Down-	or Angle	Equiv.			
Gen. Elev.	119°00'	2.50					13.9		19.4
± N & S Ditch	118°15'	2.60			- 1°10'	-5.3	10.0	-15.3	18.0
Gen. Elev.	115°30'	3.29					9.4		23.9
" "	125°20'	3.40					9.1		24.2
" "	127°15'	3.23					12.3		21.0
± Ditch	133°30'	2.83			- 1°05'	5.4	10.0	-15.4	17.9
Gen. Elev.	138°15'	2.55					14.0		19.3
" "	151°30'	2.03					12.5		20.8
" "	162°45'	1.80					8.7		24.6
Toe Slope	179°00'	1.66					8.3		25.0
E. Shldr.	181°00'	1.65					6.2		27.1
± Pav.	185°50'	1.63					6.0		27.3
" "	187°15'	2.30					6.0		27.3
E. Shldr.	183°30'	2.31					6.3		27.0
Toe slope	182°00'	2.31					8.7		24.6
Gen. Elev.	179°10'	2.33					8.7		24.6
" "	173°00'	2.43			- 1°22'	-5.8	5.0	-10.8	22.5

Page 13..... Transit..... Obs. HAW..... 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			
<u>H.I-933.3</u>								
Edge pot Hole Low Area	152°10'	2.68				13.8		19.5
4 Ditch	151°05'	3.04		-	1°00'	-5.3	-10.0	18.0
Pot Hole " "	147°45'	3.23				13.9		19.4
Gen. Elev.	141°00'	3.76				11.4		21.9
Edge pot Hole	141°05'	2.56		-	0°58'	-4.3	-10.0	19.0
S. End Drain ^{12"} under Service Rd.	121°00'	2.70		-	1°01'	-4.8	11.0	17.5
N. " " " "	119°30'	2.70		-	1°01'	-4.8	11.0	17.5
Gen. Elev.	101°30'	3.88				11.4		21.9
Edge Swamp Pot Hole	144°30'	3.70				12.5		20.8
" " " "	152°00'	3.28		-	0°49'	-4.7	10.0	18.6
4 2' Ditch	156°15'	3.14		-	1°00'	-5.5	10.0	17.8
Pot Hole Edge	162°50'	3.40				14.0		19.3
Gen. Elev.	171°15'	2.83		-	1°15'	-6.2	5.0	22.1
Gen. Elev.	181°30'	2.75				8.9	11.2	24.4
Top Slope	183°15'	2.73				9.2		24.1
E. Shldr.	184°45'	2.71				6.3		27.0
4 Pave.	187°40'	2.71				6.1		27.2

Page.....14.....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			
HI 933.3								
4 paces	188°10'	3.45				6.1		27.2
E. Shldr.	185°50'	3.45				6.4		26.9
Gen. Elev. Rd. Shldr.	184°30'	3.44				7.7		25.6
Top Knoll	183°00'	3.44				5.2		28.1
Crop. Elev.	180°30'	3.46		- 0°28'	-2.8	4.0	-6.8	26.5
" "	176°00'	3.53		- 1°10'	-7.2	5.0	-12.2	21.1
Edge Pot Hole	170°45'	3.63		- 1°25'	-9.0	5.0	-14.0	19.3
In " "	166°10'	3.75		- 1°37'	-10.6	5.0	-15.6	17.7
" Ditch	165°25'	3.80		- 1°44'	-11.5	5.0	-16.5	16.8
Edge Pot Hole	155°45'	4.05				13.5		19.8
Begin E & W Ditch	152°45'	3.95		- 0°34'	-4.5	10.0	-14.5	18.8
" "	158°00'	4.40				12.7		20.6
Another E & W	150°30'	4.65				14.0		19.3
N.W. Sec. Cont. N. & S. Sec. Line	151°45'	4.70				12.4		20.9
N.E. " " E & W " "	149°20'	4.80				13.0		20.3
E & W ditch	146°50'	4.95				14.0		19.3
Pot Hole	141°30'	5.15				13.2		20.1

Page 15.....Transit.....Obs. HAW.....Line.....
 Date.....Rec. 10:00 AM.....

OBJECT	AZIMUTH	STADIA	DIS- TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+	No. of Int. Down- or Angle	Rod Equiv.			
Edge of hole ^{S.E. Cor. of N.E.S.} Fc. Line	153°00'	5.26					13.5		19.8
Fc. Line ^{10' EAW 9' N.E.S.}	153°10'	4.80					12.4		20.9
S.W. Fc. Cor. & N.W. Cor. Shed	156°00'	5.00					12.7		20.6
N.E. Cor. Shed	155°05'	5.15					13.0		20.3
± Road Way 10'	159°15'	4.55					11.9		21.4
" " " ^{20' drain under}	165°40'	4.28					13.0		20.3
E. Side 24" Culv. ^{white Bear Ave}	162°58'	0.87							918.33
W. " " "	200°37'	0.88							918.04
W. Shdr.	191°00'	1.83					6.2		27.1
Toe slope	193°45'	1.80					9.1		24.2
Fc. Cor. S.E. on EAW Fc. Line	195°40'	1.82					9.4		23.9
E & W Fc. Line	223°30'	2.40					13.6		19.7
" " "	231°00'	3.35		- 1°02'	- 6.0	10.0	-16.0		17.3
" " "	246°00'	4.30		- 1°25'	-10.6	10.0	-20.6		12.7
" " "	248°45'	4.73		- 1°14'	-10.2	10.0	-20.2		13.1
" " "	256°45'	5.20		- 0°39'	-5.9	10.0	-15.9		17.4
Top Ridge	260°15'	5.10		- 0°45'	-6.7	10.0	-16.7		16.6

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

Date.....5-29-43.....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.			
Gen. Elev.	260°00'	4.88		-	0°55'	-7.8	10.0	-17.8	15.5
" "	259°45'	4.70		-	1°15'	-10.3	10.0	-20.3	13.0
Edge Low Area	259°50'	3.96		-	1°35'	10.9	10.0	-20.9	12.4
" " "	248°45'	3.95		-	1°30'	10.3	10.0	-20.3	13.0
" " "	241°00'	2.93		-	2°00'	-10.2	10.0	-20.0	13.3
" " "	237°10'	2.26		-	2°20'	-9.2	10.0	-19.2	14.1
" " "	248°00'	2.00		-	2°44'	-9.5	10.0	-19.5	13.8
" " "	262°30'	2.23		-	2°40'	-10.4	10.0	-20.4	12.9
" " "	276°10'	2.30		-	2°39'	-10.6	10.0	-20.6	12.7
N. Western Ditch	276°10'	3.02		-	2°17'	-12.0	10.0	-22.0	11.3
" " "	246°45'	1.90		-	2°45'	-9.1	10.0	-19.1	14.2
Gen. Elev.	241°15'	1.82		-	2°27'	-7.8	10.0	-17.8	15.5
Angle in Ec.	266°30'	0.79		-	0°45'	-1.3	10.0	-11.3	22.0
Location Tile Line	226°00'	1.16							
" " "	222°00'	1.08							
Angle in Ec.	269°00'	1.35		-	2°15'	-5.3	10.0	-15.3	18.0
Edge Low Area	285°45'	1.90		-	3°00'	-9.9	10.0	-19.9	13.4

Page 17 Transit Obs. HAW Line
 Date 6-1-43 Rec. LDG AM

OBJECT	AZIMUTH	STADIA	DIS- TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+	No. of Int.	Rod			
				Down-	or Angle	Equiv.			
A fc. Line Runs North	288°00'	1.47			- 1°40'	- 4.3	10.0	- 14.3	19.0
Gen. Elev.	300°20'	1.03					11.0		22.3
Top Slope	345°45'	0.37					4.8		28.5
Rd. Ditch	354°10'	0.36					6.6		26.7
W. Shldr.	6°10'	0.34					5.6		28.3
" "	193°30'	0.30					5.4		27.9
Gen. Elev.	210°20'	0.38					8.7		24.6
" "	233°00'	0.68					10.8		22.5
" "	224°45'	0.98					12.0		21.3
			Elev #24 HI 932.35.						
At # 2A H.I. 5.28			(927.07)						
To # 2	7°35'	4.52					3.8		28.55
# pave.	358°45'	0.46					5.2		27.2
E. Shldr.	16°00'	0.45					5.8		26.6
Gen. Elev.	43°00'	0.56					7.4		25.0
" "	63°45'	0.85					11.3		21.1
" "	75°30'	1.23					12.5		19.9

Page 18 Transit. Obs. Line.

Date 5-1-43 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			
932.4								
S. 82° 12' E. 20.14	76° 45'	1.38				14.0		18.4
N. 53° 4' W. 10.0	73° 30'	1.42		-1° 48'	-4.5	10.0	-14.5	17.9
Gen. Elev. 10.0	81° 15'	1.68				11.3		21.1
N.W. Cor. House 40° E & W	84° 50'	1.76				10.0		22.4
S.W. 1/4 24° N & S	93° 12'	1.70				10.0		22.4
N.E. 1/4 Cor.	101° 00'	1.96		-1° 30'	-5.1	5.0	-10.1	22.3
Edge Pot Hole	96° 30'	2.82		-1° 33'	-7.6	5.0	-12.6	19.8
" "	104° 30'	2.80				12.6		19.8
" "	110° 00'	3.00				12.3		20.1
Gen. Elev.	120° 00'	3.20				10.7		21.7
Along N & S Fc.	131° 10'	2.32				9.1		23.3
Gen. Elev.	120° 10'	2.27				11.3		21.1
Along N & S Fc.	114° 35'	2.06				11.1		21.3
Gen. Elev.	94° 15'	1.92				9.5		22.9
" "	101° 15'	1.90		-1° 45'	-5.8	5.0	-10.8	21.6
Begin 1'0 Ditch E & W	101° 00'	1.95		-1° 45'	-6.0	5.0	-11.0	21.4
Gen. Elev. School/Play Grds.	108° 10'	1.95				10.9		21.5

Page 19 Transit Obs. HAW Line
 Date 6-1-47 Rec. LG. AM.

OBJECT <u>HI 932.4</u>	AZIMUTH	STADIA	DIS- TANCE	INTERVALS OR VER. ANGLE		READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+	No. of Int. Down- or Angle	Rod Equiv.		
Gen. Elev.	105° 30'	1.68				9.7		22.7
" "	104° 00'	1.57				10.6		21.8
El's Ditch E&W	103° 30'	1.57				12.5		19.9
Gen. Elev.	96° 00'	1.53				12.0		20.4
" "	93° 45'	1.55				11.0		21.4
Edge Pot Hole front of Ho.	82° 45'	1.43				13.3	19.03	1918.97
" " " "	90° 30'	1.33				13.5		18.9
Center " " " "	91° 15'	1.18		- 0° 10'	4.5	10.0	-14.5	17.9
Edge Pot Hole End 1' ditch	104° 35'	1.37				13.2		19.2
Gen. Elev.	107° 15'	1.37				10.4		22.0
" "	112° 45'	0.99				10.8		21.6
" "	134° 00'	1.22				10.0		22.4
Toe Slope	108° 45'	0.92				12.9		19.5
Edge Pot Hole	91° 00'	0.87				13.2		19.2
" " "	76° 15'	1.10				13.1		19.3
Gen. Elev	90° 00'	0.76				12.7		19.7
Toe Slope	113° 45'	0.78				12.2		20.2

Page 20 Transit. Obs. Line.

Date. Rec.

OBJECT	AZIMUTH	STADIA	DIS- TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+	No. of Int. Down- or Angle	Rod Equiv.			
Gen. Elev.	119°30'	0.81					10.0		22.4
" "	145°00'	0.48					9.5		22.9
Toe Slope	137°45'	0.43					10.6		21.8
Gen. Elev.	83°45'	0.33					9.0		23.4
Toe Slope	39°20'	0.18					7.8		24.6
E. Shldr.	22°40'	0.14					5.4		27.0
± Pave.	208°30'	0.27					5.2		27.2
E. Shldr.	181°00'	0.27					5.3		27.1
Toe Slope	169°30'	0.28					7.0		25.4
Gen. Elev.	152°00'	0.33					9.9		22.5
$H.I = \frac{923.10}{922.76} = 922.93$									
At # 3	H.I 4.95	93	0.2						918.15
To # 2	106°11'	6.29		+	0.59	+10.79	-5.00	+5.79	928.69
To # 4	274°44'	4.30					12.5		910.43
End Pc. N & S	68°10'	5.75					3.1		19.8
Edge Low Area pot Hole	70°10'	5.15					8.5		14.4
Gen. Elev.	59°15'	4.78					4.1		18.8

Page 21 Transit Obs. NAW Line
Date Rec.

OBJECT	AZIMUTH	STADIA	DISTANCE	INTERVALS OR VER. ANGLE		READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+ Down-	No. of Int. or Angle			
	HI -922.93							
Edge Low Area pot Hole	64°00'	4.40				8.9		14.0
" " "	73°45'	4.00				10.6		12.3
Gen. " "	84°15'	3.72				10.3		12.6
" Elev.	89°30'	4.40				6.0		16.9
" "	80°15'	5.05				5.8		17.1
" Low Area " "	71°15'	4.80				9.5		13.4
" Elev.	53°30'	4.05				4.4		18.5
" Low Area " "	62°15'	3.53				9.3		13.6
Top Ridge	75°30'	2.80				8.1		14.8
Low Area " "	95°40'	2.60				9.0		13.9
Began 2'0 Ditch N.W.	108°30'	2.46				11.0		11.9
Top Ridge	127°30'	1.53				4.6		18.3
Gen. Elev.	102°00'	1.46				8.3		14.6
2'0 Ditch End	87°45'	1.56				12.3		10.6
Low Area " "	79°00'	1.68				11.9		11.0
" " " "	64°30'	2.76				11.3		11.6
" " " "	51°30'	2.84				10.9		12.0

Page 22 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.			
Gen. Elev.	37°30'	2.93	HI	922.93			8.5		14.4
± 2'0 Ditch N&S	38°30'	2.80					10.5		12.4
Gen. Elev.	17°00'	2.57					8.8		14.1
± Ditch	20°00'	2.05					11.6		11.3
Edge Pot Hole Low Area	26°30'	1.60					11.6		11.3
± N.W. Ditch	42°00'	1.00					13.1		09.8
" " "	74°15'	1.24					13.1		09.8
Gen. Elev.	82°10'	1.87					10.8		12.1
Edge Low Area	78°15'	0.82					11.3		11.6
Gen. Elev.	121°30'	0.67					7.7		15.2
" "	78°00'	0.11					6.0		16.9
Low Area	20°30'	0.67					11.5		11.4
± 2'0 Ditch NW	17°30'	1.04					13.4		09.5
Int. N.W & N&S Ditch	351°15'	1.38					13.9		09.0
Low Area	0°10'	2.28					12.0		10.9
Gen. Elev.	1°45'	2.66					10.3		12.6
" "	11°10'	3.06					11.4		11.5

Page 23 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			
HI. 922.93								
Low Area	245° 40'	2.68				13.9		09.0
End NW Ditch	332° 00'	1.95		- 1° 30'	- 5.1	10.0	-15.1	07.8
Low Area	340° 30'	3.11				14.1		08.8
Gen. Elev.	341° 30'	3.55				11.2		11.7
" "	334° 10'	4.05				11.7		11.2
Low Area	328° 00'	3.95		- 0° 50'	- 5.7	10.0	-15.1	07.2
" "	329° 00'	4.85		- 0° 47'	- 6.6	10.0	-16.6	06.3
Gen. Elev.	333° 10'	4.95				13.0		09.9
" "	331° 00'	5.84				14.0		08.9
Low Area	328° 20'	5.95		- 0° 42'	- 7.3	10.0	-17.3	05.6
N&S Fc. Line	325° 00'	6.92				13.6		09.3
Low Area	323° 00'	6.75		- 0° 32'	- 6.3	10.0	-16.3	06.6
Gen. Elev.	320° 15'	6.50		- 0° 49'	- 9.3	10.0	-19.3	03.6
Low Area & Fc. Line	320° 15'	6.46		- 0° 42'	- 7.9	10.0	-17.9	05.0
" " " "	314° 00'	5.80		- 0° 46'	- 7.8	10.0	-17.8	05.1
" " " "	306° 30'	5.40		- 0° 55'	- 8.6	10.0	-18.6	04.3
" " Int. E&W Fc. with N&S	298° 30'	5.10		- 0° 49'	- 7.3	10.0	-17.3	05.6

Page 24 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			
HI 922.93								
Low Area	298°45'	4.55		-	0°50'	-6.6	10.0	-16.6 06.3
Fc. Cor. N & S with E & W Int.	303°40'	4.40		-	0°55'	-6.4	10.0	-16.4 06.5
Fc. Line & Low Area	294°30'	4.00		-	0°55'	-7.0	10.0	-17.0 05.9
Low Area	297°15'	3.40		-	1°10'	-6.9	10.0	-16.9 06.0
" "	301°30'	2.65		-	1°32'	-7.1	10.0	-17.1 05.8
W.S.	301°30'	2.65		-	1°15'	-5.8	10.0	-15.8 07.1
Low Area	312°00'	1.65		-	1°50'	-5.3	10.0	-15.3 07.6
& Draw	285°40'	1.30		-	2°25'	-5.5	10.0	-15.5 07.4
& Low Area pet Hole	263°45'	1.20		-	2°55'	-6.1	10.0	-16.1 06.8
Gen. Elev.	261°45'	0.83					12.9	10.0
" "	227°30'	0.92					12.5	10.4
Low Area	227°30'	1.38		-	2°00'	-4.8	10.0	-14.8 08.1
Gen. Elev.	215°15'	1.66					13.4	09.5
" "	242°00	1.74					12.2	10.7
" "	268°30	2.05					11.5	11.4
" "	274°30	2.60					12.0	10.9

Page 25 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			
At $\square$ #4	4.1. 478		910.43 =		HI =	915.21		
To $\square$ #3	94° 44'	4.30		+	1.02	+7.75	5.00	+2.75 917.96
To $\square$ #5	281° 35'	7.63					12.7	902.51
Beg 3' So. Westerly Ditch	80° 15'	1.64					8.2	07.0
Top Ridge	95° 30'	1.60					4.4	10.8
Gen. Elev. E & W Fc.	139° 45'	0.99					6.7	08.5
" " " "	128° 00'	0.82					8.0	07.2
Ditch 7'	123° 40'	0.78					9.0	06.2
Gen. Elev. " "	116° 00'	0.72					7.7	07.5
" " " "	180° 00'	1.20					8.7	06.5
" " " "	180° 00'	0.93					9.8	05.4
Φ 7' Ditch	180° 00'	0.86					11.7	03.5
Gen. Elev.	180° 00'	0.80					9.8	05.4
" " " "	180° 00'	0.20					5.9	09.3
" " " "	0° 00'	0.39					5.5	09.7
" " " "	357° 00'	1.03					8.3	06.9
Top Knoll	346° 15'	2.15					9.1	06.1

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 Date Rec.

OBJECT <i>H.I 915.21</i>	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.		
Gen. Elev.	351°45'	4.28				9.2		06.0.
Low Area <i>pot Hole</i>	351°00'	4.00				10.0		05.2
" " "	346°15'	3.25				11.5		03.7
±2' E&W Ditch	345°40'	2.84				11.2		04.0
Gen. Elev.	340°30'	2.21				10.4		04.8
Low Area "	332°00'	2.43				12.7		02.3
" " "	328°15'	1.73				13.6		01.6
Gen. Elev.	339°15'	1.47				11.7		03.5
" " "	316°00'	0.70				10.5		04.7
Low Area "	294°10'	1.12				14.1		01.1
" " "	259°20'	0.83		-2°55'	-4.2	10.0	-14.2	01.0
Gen. Elev.	249°15'	0.51				11.2		04.0
" " "	205°40'	0.91				12.2		03.0
Edge pot Hole End 7' Ditch	211°45'	1.12				13.3		01.9
Gen. Elev.	201°45'	1.48				11.8		03.4
Low Area	215°00'	1.48				13.8		01.4
" " "	217°30'	2.00		-1°24'	-4.9	10.0	-14.9	00.3

Page 27 Transit Obs. Line

Date Rec.

OBJECT <i>HI 915.21</i>	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.		
Gen. Elev.	205°40'	1.90				11.7		03.5
" "	201°00'	2.50				9.2		06.0
± Draw ± Low Area	203°45'	2.74			-1°14'	-5.9	10.0	-15.9 99.3
Gen. Elev. Top Ridge	205°20'	2.90				11.2		04.0
Low Area pot Hole	239°00'	2.80			-1°10'	-5.7	10.0	-15.7 99.5
" " " "	243°30'	2.80			-1°30'	-7.3	10.0	-17.3 97.9
Gen. Elev.	227°20'	3.70			-1°14'	-8.0	10.0	-18.0 97.2
" "	212°30'	3.15			-1°00'	-5.5	10.0	-15.5 99.7
" "	204°10'	3.40			-0°59'	-5.8	10.0	-15.8 99.4
Low Area " "	200°00'	3.60			-1°16'	-8.0	10.0	-18.0 97.2
" " " "	192°50'	4.20			-1°02'	-7.6	11.0	-18.6 96.6
" " " "	206°00'	4.56			-1°08'	-9.0	10.0	-19.0 96.2
" " " "	187°30'	5.40			-0°54'	-8.5	10.0	-18.5 96.7
" " " "	190°40'	6.36			-0°47'	-8.7	-10.0	-18.7 96.5
" " " "	190°40'	7.65			-0°35'	-7.8	-10.0	-17.8 97.4
Gen. Elev.	191°30'	8.40			-0°24'	-5.9	-10.0	-15.9 99.3
Low Area " "	194°30'	8.60			-0°30'	-7.5	10.0	-17.5 97.7

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Date. Rec.

OBJECT HJ 915.21	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.		
Gen. Elev.	192°30'	9.30		-	0°30'	-8.1	10.0	-18.1 97.1.
Low Area pot Hole	195°40'	9.00		-	0°30'	-7.9	10.0	-17.9 97.3.
± Main Ditch (County)	204°30'	8.80						
± " " "	206°45'	8.00						
Low Area	205°45'	7.80		-	0°45'	-10.2	10.0	-20.2 95.0
± Main Ditch " "	210°15'	7.10						
" " " "	213°00'	6.66						
Low Area	212°00'	6.44		-	0°55'	-10.3	10.0	-20.3 94.9
" "	216°30'	5.75		-	1°00'	-10.0	10.0	-20.0 95.2
" "	218°15'	5.55		-	1°10'	-11.3	10.0	-21.3 93.9
Angle in Co. Ditch	220°00'	5.72						
" " " "	221°47'	5.70						
± Ditch	228°00'	6.08						
Low Area	227°15'	5.80		-	1°10'	-11.8	10.0	-21.8 93.4
" "	203°40'	5.60		-	1°14'	-12.1	10.0	-22.1 93.1
± N&S Ditch	221°00'	5.25		-	1°20'	-12.2	10.0	-22.2 93.0
N&S Fc. Cor.	222°30'	4.95		-	3°38'	-25.0	10.0	-35.0 80.2-?

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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			
HI 915.21								
± N & S Ditch	223°00'	5.07		-	1°25'	-12.5	10.0	-22.5 92.7
Low Area	223°10'	4.83		-	1°14'	-10.4	10.0	-20.4 94.8
" "	224°15'	4.46		-	1°15'	-9.7	10.0	-19.7 95.5
Gen. Elev.	231°00'	4.33		-	1°18'	-9.8	10.0	-19.8 95.4
± N & S Ditch	231°30'	4.42		-	1°30'	-11.6	10.0	-21.6 93.6
Tamrack Swamp S.E. Cor.	231°40'	4.72		-	1°28'	-12.1	10.0	-22.1 93.1
End N & S Ditch	235°55'	4.15		-	1°30'	-10.9	10.0	-20.9 94.3
N & S Fc. Line	235°00'	4.12		-	1°20'	-9.6	10.0	-19.6 95.6
Low Area	239°45'	3.90		-	1°20'	-9.1	10.0	-19.1 96.1
" "	235°00'	3.78		-	1°20'	-8.8	10.0	-18.8 96.4
" "	233°45'	3.30		-	1°13'	-7.0	10.0	-17.0 98.2
Gen. Elev.	233°45'	3.05		-	0°53'	-4.7	10.0	-14.7 00.5
Low Area	239°30'	2.86		-	1°15'	-6.2	10.0	-16.2 99.0
" " & Fc. Line	245°45'	3.70		-	1°25'	-9.1	10.0	-19.1 96.1
Edge Tamrack	245°45'	4.05						
End of N & S Ditch 2'	244°45'	3.80		-	1°34'	-10.4	10.0	-20.4 94.8
Low Area & Fc. Line	253°50'	3.50		-	1°21'	-8.2	10.0	-18.2 97.0

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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			
HI - 915.21								
± 2' Ditch N&S	258°30'	3.45		-1°20'	-8.0	10.0	-18.0	97.2
Tamarack Edge	262°45'	4.10						
Fc. Line	262°45'	3.40		-0°59'	-5.8	10.0	-15.8	99.4
± N&S Ditch	277°00'	3.42		-1°12'	-7.2	10.0	-17.2	98.0
Fc. Line & Low Area	277°00'	3.40		-0°54'	-5.3	10.0	-15.3	99.9
± 2' Ditch	287°00'	3.55		-1°08'	-7.0	10.0	-17.0	98.2
Fc. Line & Low Area	287°00'	3.53		-0°47'	-4.8	10.0	-14.8	00.4
Begin N&S Ditch 2'	297°45'	3.80		-0°40'	-4.4	10.0	14.4	00.8
Low Area & Fc. Line	297°10'	3.78		-0°37'	-4.1	10.0	-14.1	01.1
Int. N&S with E&W Fc.	302°00'	3.96		-0°28'	-3.2	10.0	-13.2	02.0
Low Area	304°15'	4.10		-0°28'	-3.3	10.0	-13.3	01.9
Gen. Elev.	304°00'	4.28		-0°10'	-1.2	10.0	-11.2	04.0
Low Area	310°20'	4.35				12.6		02.6
Gen. Elev.	310°45'	4.63				10.4		04.8
Low Area	317°30'	4.25				12.7		02.5
Gen. Elev.	320°35'	4.60				10.4		04.8
" "	326°20'	4.58				10.3		04.9

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 Date 6-1-43 6-2-43 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.			
Low Area Pot Hole	326°40'	4.22					12.0		03.2
" " Pot Hole	324°30'	3.03					13.8		01.4
W.S.	324°30'	3.03					13.1		02.1
Low Area " "	320°10'	2.70					13.7		01.5
" " " "	314°30'	2.50			-1°08'	-4.9	10.0	-14.9	00.3
" " " "	308°45'	2.30			-1°20'	-5.4	10.0	-15.4	99.8
" " " "	295°40'	1.95			-1°32'	-5.2	10.0	-15.2	00.0
" " " "	282°30'	1.80			-1°45'	-5.5	10.0	-15.5	99.7
At B # 5 H.I. 480									
To B # 4	101°35'	7.63			+0°36'	+7.99	-5.00	+2.99	910.30
To B # 6	292°42'	7.64			-0°53'	-11.78	5.00	-16.78	890.53
2' Main Ditch	179°45'	5.05			-1°08'	-10.0	10.00	-20.0	87.3
Int 2' Not So Ditch + Main Ditch	179°30'	5.00			-1°32'	-13.4	5.00	-18.4	88.9
Gen Elev.	180°00'	4.96			-1°15'	-10.8	5.00	-15.8	91.5
2' Not So Ditch + S.W. Col Jam.	179°30'	4.40			-1°43'	-13.2	5.00	-18.2	89.1
Gen. Elev.	179°45'	4.40			-1°30'	-11.5	5.00	-16.5	90.8

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Date 6-3-43 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.		
#1 907.31								
Gen. Elev.	188°30'	4.60		-1°25'	-11.4	5.0	-16.4	90.9
" " Main Ditch	200°00'	5.04		-1°24'	-12.3	5.0	-17.3	90.0
Δ in Ditch Going North	200°12'	5.10		-1°16'	-11.3	10.0	-21.3	86.0
± Ditch " "	206°00'	4.30						
Gen. Elev. Top Main Ditch	205°30'	4.23		-1°45'	-12.9	5.0	-17.9	89.4
" "	195°20'	3.85		-1°43'	-11.5	5.0	-16.5	90.8
" "	179°45'	3.68		-1°46'	-11.3	5.0	-16.3	91.0
In 2' N45 Ditch Edge Tam.	179°10'	3.68		-2°00'	-12.8	5.0	-17.8	89.5
Gen. Elev. & N.W. " "	177°45'	2.35		-2°45'	-11.3	5.0	-16.3	91.0
± 2' N45 Ditch	178°50'	2.30		-3°05'	-12.4	5.0	-17.4	89.9
Gen. Elev.	179°15'	2.30		-2°41'	-10.8	5.0	-15.8	91.5
" "	198°50'	2.40		-2°53'	-12.1	5.0	-17.1	90.2
" "	208°50'	2.60		-2°55'	-13.2	5.0	-18.2	89.1
" " Top Ditch	221°15'	3.10		-2°32'	-13.7	5.0	-18.7	88.6
± 5' Bot. Main " "	221°45'	3.12						
Location " "	247°00'	2.50						
Gen. Elev. Top " "	246°30'	2.40		-3°26'	-14.4	5.0	-19.4	87.9

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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				
HI-907.31									
Gen. Elev.	238°30'	1.85		-	3°56'	-12.7	5.0	-17.7	89.6
" "	215°20'	1.25		-	2°50'	-6.2	10.0	-16.2	91.1
" "	178°30'	0.90		-	2°38'	-4.1	10.0	-14.1	93.2
End 2' N E S Ditch	177°15'	0.89		-	3°28'	-5.4	10.0	-15.4	91.9
Gen. Elev.	158°30'	0.93		-	1°35'	-2.6	10.0	-12.6	94.7
" "	136°00'	1.18					10.6		96.7
N W Cor. Tam. & Gen. Elev.	115°00'	1.76					10.9		96.4
Edge Tam.	127°45'	2.63					13.9		93.4
Gen. Elev. In Tam. Swamp	140°15'	2.70		-	1°04'	-5.0	10.0	-15.0	92.3
" " " " "	156°00'	2.90		-	1°08'	-5.7	10.0	-15.7	91.6
" " " " "	171°40'	3.32		-	2°10'	-12.6	5.0	-17.6	89.7
Edge Tam.	118°45'	3.35					10.4		96.9
Gen. Elev.	102°10'	3.20					6.6		900.7
" "	82°00'	2.25					6.0		01.3
" "	81°00'	1.44					8.1		99.2
" "	79°15'	0.58					7.8		99.5
Top Knoll	174°15'	0.31					6.7		00.6

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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.		
HL 907.31								
Gen. Elev. Slope of Knoll	212°00'	0.85				12.1		95.2
Top Knoll	216°10'	0.60				7.0		00.3
Slope on Knoll	247°00'	0.82				12.2		95.1
Top "	300°30'	0.21				7.0		00.3
From at NW cor of SW 1/4 Sec 2	7°44'	0.59				10.3		97.0
Gen Elev								
Edge Low Area Swamp	257°10'	1.20		-6°04'	-12.7	5.0	-17.7	89.6
Low Area	256°00'	1.76		-4°20'	-13.3	5.0	-18.3	89.0
Top Ditch	255°00'	2.35		-3°32'	-14.5	5.0	-19.5	87.8
± Main Ditch	255°30'	2.140						
" "	280°15'	2.48						
Gen. Elev.	280°30'	2.40		-3°39'	-15.3	5.0	-20.3	87.0
" "	286°45'	1.90		-4°16'	-14.1	5.0	-19.1	88.2
Edge Low Area Swamp	298°30'	1.35		-5°05'	-12.0	5.0	-17.0	90.3
Bot Knoll	329°10'	0.81				12.0		95.3
Edge Low Area "	323°00'	2.15		-3°16'	-12.3	5.0	-17.3	90.0
" " "	327°15'	3.15		-2°20'	-12.8	5.0	-17.8	89.5
" " "	313°00'	3.05		-2°49'	-15.0	5.0	-20.0	87.3

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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.			
HI 907.31									
Top Ditch	303°20'	3.10		-	2°57'	-16.0	5.0	-21.0	86.3
A In Main Ditch	302°30'	3.15		-	2°37'	-14.4	10.0	-24.4	82.9
Top Ditch	301°15'	3.20		-	2°54'	-16.2	5.0	-21.2	86.1
Gen. Elev.	286°00'	3.30		-	2°45'	-15.8	5.0	-20.8	86.5
" "	273°40'	3.54		-	2°10'	-13.4	5.0	-18.4	88.9
" "	268°20'	3.72					14.1		93.2
" "	257°40'	3.58					10.7		96.6
Low Area	257°40'	2.95		-	2°31'	-13.0	5.0	-18.0	89.3
Top Ditch	257°40'	2.40		-	3°24'	-14.2	5.0	-19.2	88.1
" "	238°10'	2.64		-	3°01'	-13.9	5.0	-18.9	88.4
Low Area	241°10'	3.26		-	2°12'	-12.5	5.0	-17.5	89.8
Gen. Elev.	243°30'	3.65					12.2		95.1
" "	238°15'	4.45					12.2		95.1
Low Area	232°50'	4.20		-	1°45'	-12.8	5.0	-17.8	89.5
" "	225°30'	3.90		-	2°04'	-14.1	5.0	-19.1	88.2
Top Ditch	216°00'	3.53		-	2°08'	-13.1	5.0	-18.1	89.2
Gen. Elev.	203°30'	4.65		-	1°30'	-12.2	5.0	-17.2	90.1

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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.		
HJ 907.31								
A Top Ditch	200°40'	5.10		-	1°28'	-13.1	5.0	-18.1 89.2
Low Area	206°45'	5.25		-	1°21'	-12.4	5.0	-17.4 89.9
" "	214°30'	5.65		-	1°12'	-11.8	5.0	-16.8 90.5
Gen. Elev.	217°00'	5.80					12.5	94.8
Low Area	219°00'	5.20		-	1°28'	-13.3	5.0	-18.3 89.0
Gen. Elev.	223°20'	5.40					13.9	93.4
" "	210°45'	6.60					8.1	99.2
" "	207°10'	6.40		-	0°55'	-10.2	5.0	-15.2 92.1
Low Area	199°30'	6.20		-	1°00'	-10.8	5.0	-15.8 91.5
" "	191°20'	6.08		-	0°57'	-10.1	5.0	-15.1 92.2
" "	181°00'	6.12		-	0°50'	-8.9	5.0	-13.9 93.4
Gen. Elev.	180°00'	6.15		-	0°40'	-7.2	5.0	-12.2 95.1
" "	180°00'	7.45		-	0°18'	-3.9	5.0	-8.9 98.4
" "	181°00'	7.40		-	0°31'	-6.7	5.0	-11.7 95.6
" "	188°15'	7.45					13.0	94.3
" "	191°00'	7.48					14.5	92.8
" "	195°00'	7.60					13.8	93.5

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Date 6-2-43 6-5-43 Rec.

OBJECT	AZIMUTH	STADIA	DIS- TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+	No. of Int.	Rod			
Gen. Elev.	199°00'	7.75		Down-	or Angle	Equiv.	13.8		93.5
" "	201°10'	7.82					10.1		97.2
A H. I 4.92						H.I. = 895.45			890.53
At # 6									
To # 5	112°42'	7.64		+	0°50'	+11.11	-5.00	+6.11	902.51 901.56
¢ Main Ditch	72°40'	3.48		-	0°39'	-3.9	10.0	-13.9	81.6
" " "	86°30'	2.70		-	0°54'	-4.2	10.0	-14.2	81.3
" " "	41°15'	1.86		-	1°40'	-5.4	10.0	-15.4	80.1
Top Bank Ditch	45°45'	1.93		-	2°00'	-6.7	4.92	-11.6	83.9
Gen. Elev.	45°15'	3.03					9.3		86.2
Top Bank Ditch	45°50'	1.82					12.2		83.3
Gen. Elev.	46°30'	1.12					8.5		87.0
" "	347°00'	1.52					8.4		87.1
" "	354°30'	1.89					10.0		85.5
Main Top Ditch	358°30'	2.40					12.6		82.9
¢ " "	359°30'	2.48		-	1°25'	-6.1	10.0	-16.1	79.4
Top " "	0°30'	2.50					12.7		82.8

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Date. 6-5-43 Rec.

OBJECT	AZIMUTH	STADIA	DIS- TANCE	INTERVALS OR VER. ANGLE			READ. ON ROD	DIFF. OF ELEV.	ELEVATION ABOVE DATUM
				Up+	No. of Int.	Rod			
				Down-	or Angle	Equiv.			
HJ - 895.45									
Gen. Elev.	4°20'	2.85					12.4		83.1
Top Main Ditch	341°30'	3.80					13.4		82.1
" "	340°30'	3.76			0°58'	-6.3	10.0	-16.3	79.2
Top "	339°45'	3.72					13.3		82.2
Gen. Elev.	317°00'	3.10					10.1		85.4