317

TELEDYNE

107

FIELD BOOK

Property of WALTER E. CURD

Address HACKENSACK MN 56452

Telephone 218-675-6697

This Book is manufactured of a High Grade 50% Rag Paper having a Water Resisting Surface, and is sewed with Nylon Waterproof Thread.

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74	ROD OSTERLOH	19-140-30
75	GEO. YOUNG	6-140-29
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73	USFS	CLR. LK	4-149-26

KERRY DONLEY 5-27-140-30

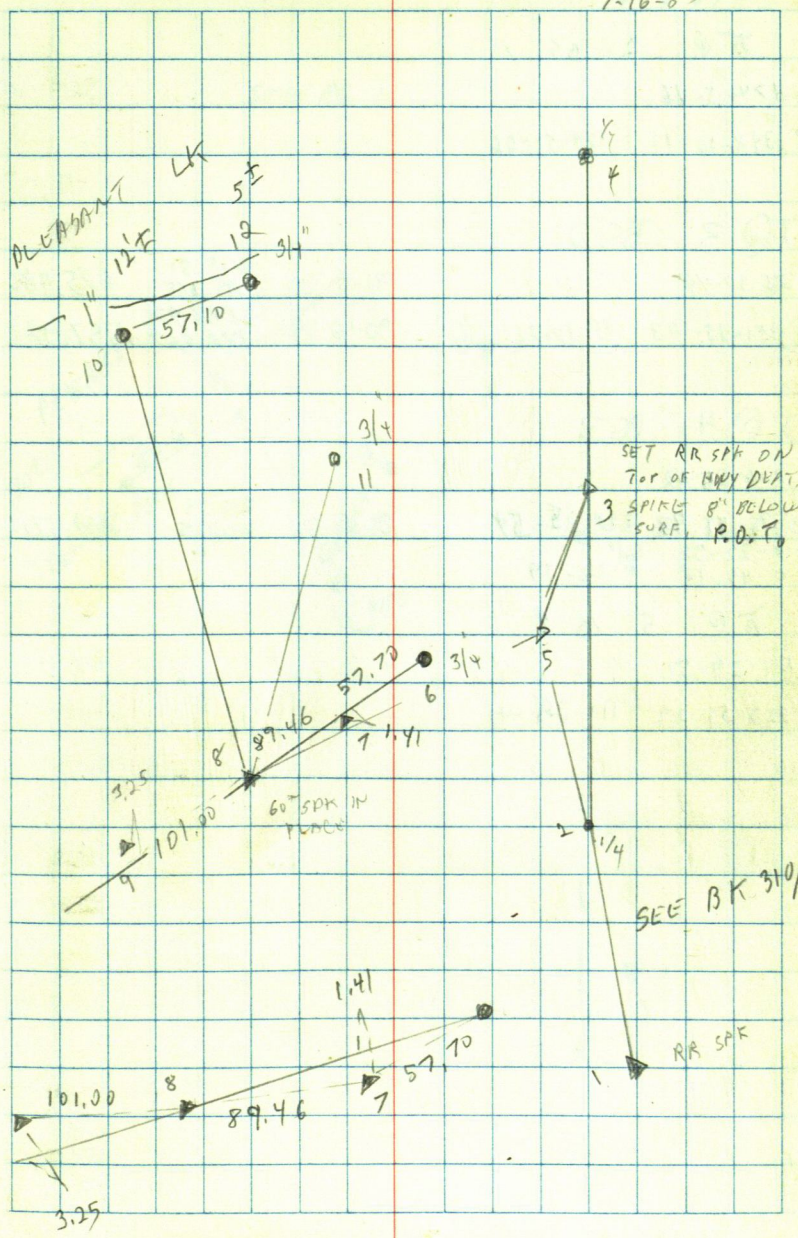
	Δ @ 8 BS 5				
	0-0-0		89-27-30	569.31	
	180-00-30			173.524	569.278
	0-22-25	0-22-25			
6	180-22-48	6-22-18			
	254-16-07	254-06-07	90-32-15	197.49	
10	74-06-12	254-05-42		60.154	197.483
	292-01-08	292-01-08	91-02-48	143.64	
11	112-01-16	292-00-46		43.604	143.02
	Δ @ 10 BS 8				
	0-0-0				
	180-0-10				
	234-20-32	234-20-32			
12	54-20-35	234-20-25			
	Δ @ 5 BS 2				
	0-0-43				
	180-01-02	74-38-04			
	74-38-47				
8	254-38-57	74-37-55			
	190-24-07	190-23-24			
3	10-27-33	190-23-31			
	Δ @ 3 BS 5				
	0-03-43			702.14	
	180-04-02	174-51-02	90-55-06	214.012	702.046
	174-54-45			3947.34	
4	354-55-03	174-51-01	90-20-47	1203.150	3947.252
	355-09-33	355-05-50		403.85	
2	175-09-52	355-05-50	90-55-12	1324.76	1324.787
	Δ @ 2 BS 5				
	0-02-39		89-16-10	628.31	
	180-02-47	184-54-51		191.528	628.254
	184-57-30		89-52-25	4285.06	
1	4-57-37	184-54-50		~~4285.089~~	4285.05

90°
25-30 MPH WIND

E. EVANS
A. VOLCKE

1

7-16-87



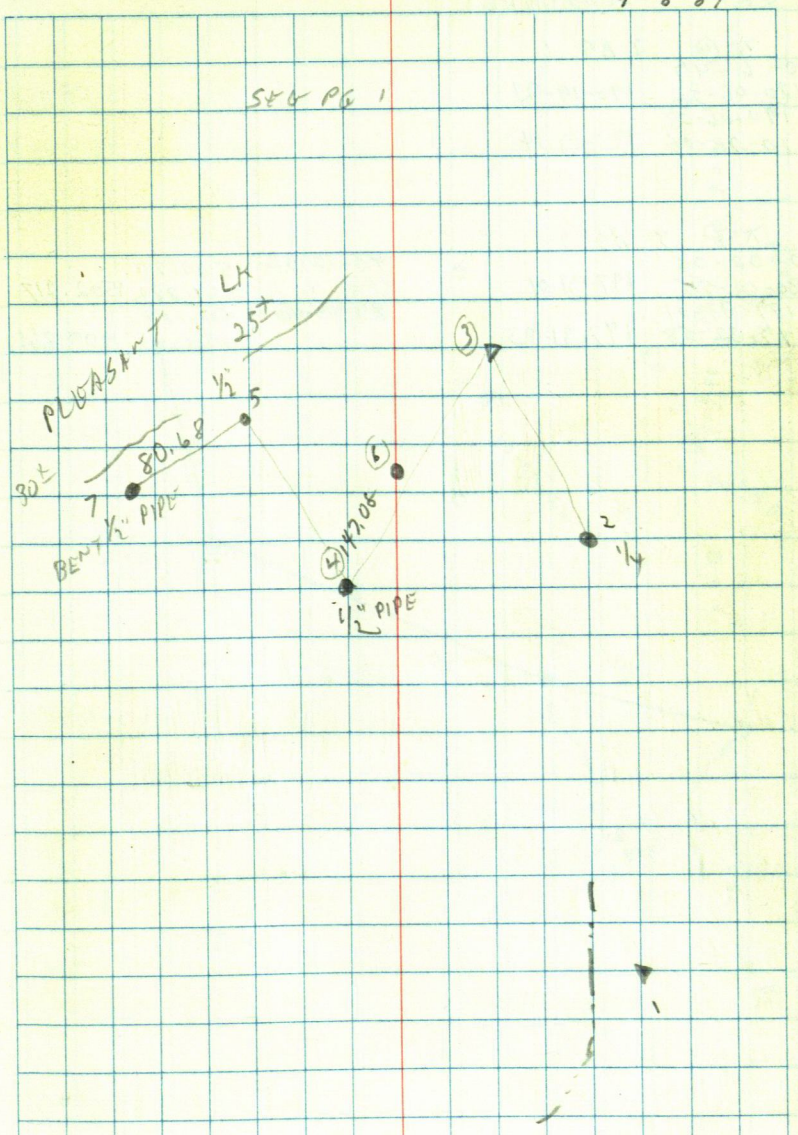
CLR 70°
WINDY

E. CURD
D. FARNUM

9-8-89

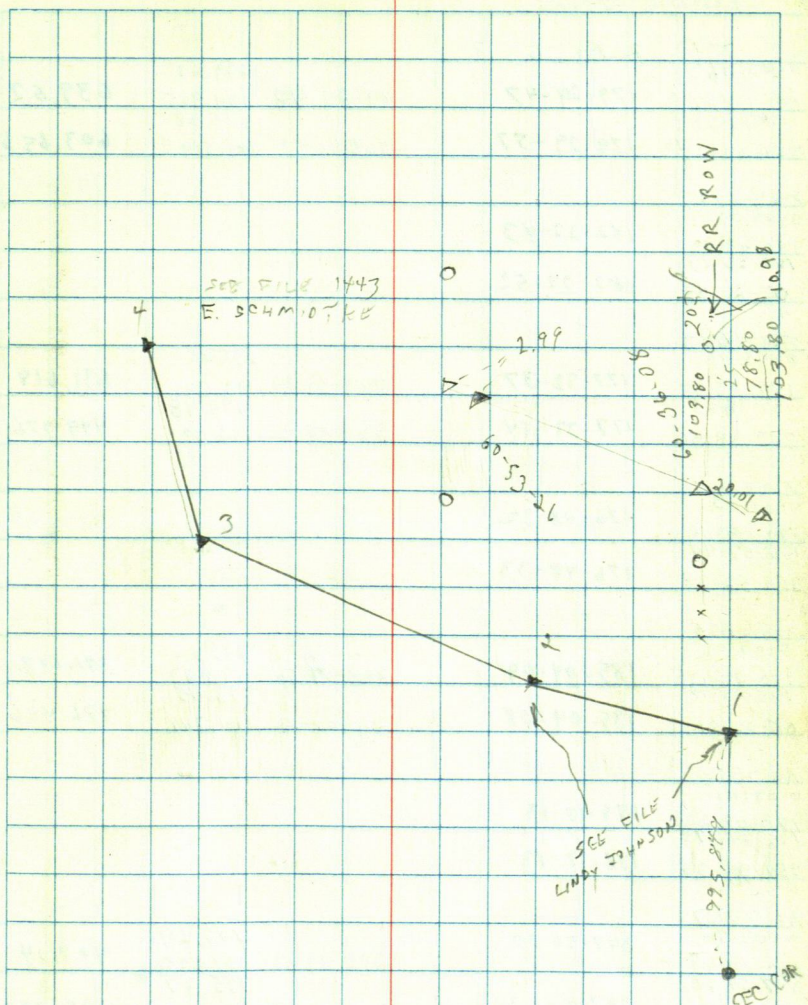
STA PG 1

	π @ 2	BS 1			
	174-5-16				
3	348-10-12	174-5-06			
	I @ 3	BS 2			
	75-32-49		91-01-30	625,51 190.655	625,486
4)	151-15-03	75-32-32	90-42-49	557,97 170,067	557,921
	I @ 4	BS 3			
	228-25-48				
5)	96-51-42	228-25-57	89-29-06	200,18 61,015	200.171
	0-22-38				
6	0-45-18	0-22-39			
	π @ 5	BS 4			
	111-29-52				
7	222-59-22	111-29-41			



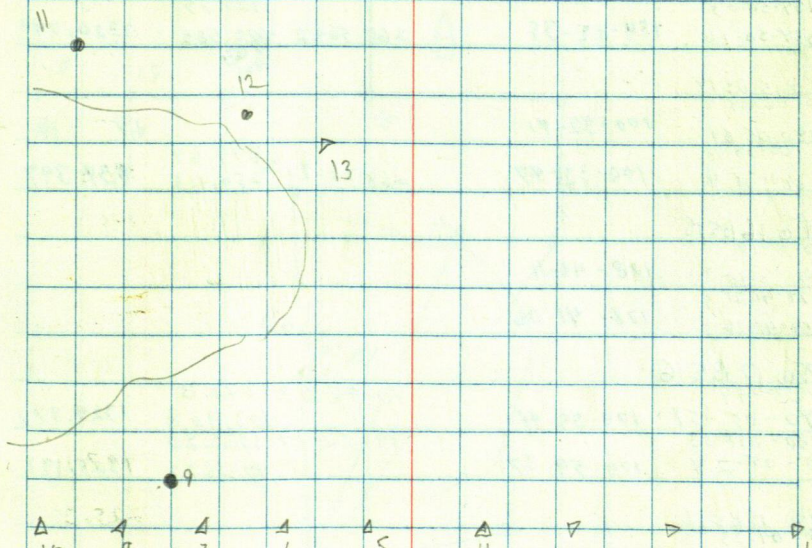
ERVIN SCHMIDTKE

⊼ @	2 BS 1			
0-6-47				
180-06-52	190-19-21			
190-26-08				
310-26-06	190-19-14			
⊼ @ 3	BS 2			
0-02-00		90-12-32	1502.23	
180-01-55	197-31-05		457.382	1502.217
197-33-01		87-44-40	410.18	
417-32-58	197-31-03		125.029	409.861



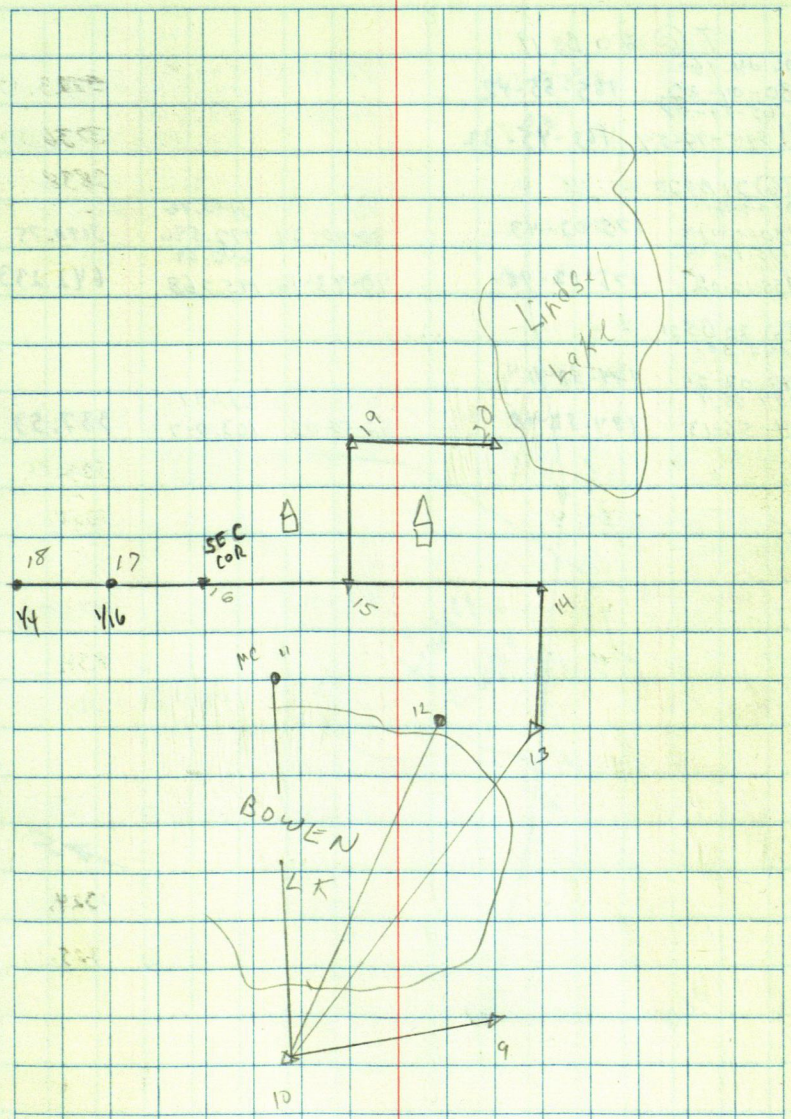
LONNIE JOHNS

	A@ 2 BS 1 3				
	0-03-36			639.63	
	180-03-24	179-29-47	89-34-48	194.965	639.62
	179-33-23			605.38	
	359-33-01	179-29-57	265-46-47	184.519	603.656
	A@ 3 BS 8				
	0-04-04				
	180-04-03	182-22-43			
	182-26-47				
4	02-26-55	182-22-52			
	A@ 4 BS 3				
	0-05-48				
	180-05-42	177-32-37	269-59-39	631.61	
	177-38-25			192.521	631,618
				499.98	
5	357-38-56	177-33-14	269-59-40	152.393	499,976
	A@ 5 BS 4				
	0-04-12				
	180-04-05	176-48-32			
	176-52-44				
6	356-52-38	176-48-33			
	A@ 6 BS 5				
	0-02-04				
	180-02-13	185-04-09	265-07-50	393.06	
	185-06-18			119.807	391,643
				376.45	
7	05-06-21	185-04-08	270-07-12	114.741	376,446
	A@ 7 BS 6				
	0-07-24				
	180-07-23	178-17-13			
	178-24-37				
8	358-24-36	178-17-13			
	A@ 8 BS 7				
	0-04-50				
	180-04-48	347-50-30	272-49-50	407.64	
	347-55-20			194.248	407,14
				225.37	
9	167-55-22	347-50-34	271-07-38	68.694	225,327
	0-09-07				
	180-09-10	153-32-11			
	153-41-18			523.77	
10	333-41-26	153-32-16	90-21-21	220.423	723,154



JOHNS

	T @	BS 11			
	0-01-00			3723.21	
	180-01-01	12-05-20	90-08-27	1134.839	3723.19
	12-06-20			3736.35	
12	192-06-28	12-05-27	90-06-41	1138.832	3736.314
	13-37-09	13-36-09	89-52-34	3836.90	
13	193-37-09	13-36.08		1170.114	3838.903
	68-20-47	68-19-44			
9	248-20-46	68-19-45			
	T @ 13 BS 10				
	0-07-04				
	180-07-00	187-49-36			
	187-56-40				
14	07-56-35	187-49-35			
	T @ 14 BS 13				
	0-07-27			523.29	
	180-07-35	154-42-36	268-31-04	159.484	523.063
	154-50-03			1320.75	
15	334-50-10	154-42-35	269-56-12	402.562	1320.749
	T @ 15 BS 14				
	0-06-09				
	180-05-54	100-32-41			
	100-38-45			834.69	
16	260-38-41	100-32-47	268-28-20	254.418	834.397
	T @ 16 BS 15				
	0-00-10				
	180-00-10	178-41-11			
	178-41-21				
17	358-46-16	178-41-06			
	T @ 17 BS 16				
	0-05-49		90-55-58	1325.15	
	180-05-51	179-59-44		403.908	1324.972
	180-05-33		89-52-24	1325.20	
18	0-05-28	179-59-37		403.921	1325.191
	T @ 15 BS 16				
	0-04-23				
	180-04-20	122-09-15			
	122-13-38				
19	302-13-33	122-09-13			
	T @ 19 BS 15				
	0-01-03			301.68	
	180-01-02	254-23-54	90-56-29	91.958	301.638
	254-25-05		95-38-42	118.94	
20	74-25-00	254-23-58		36.253	118.363



JdWs

π @ 20 BS 19

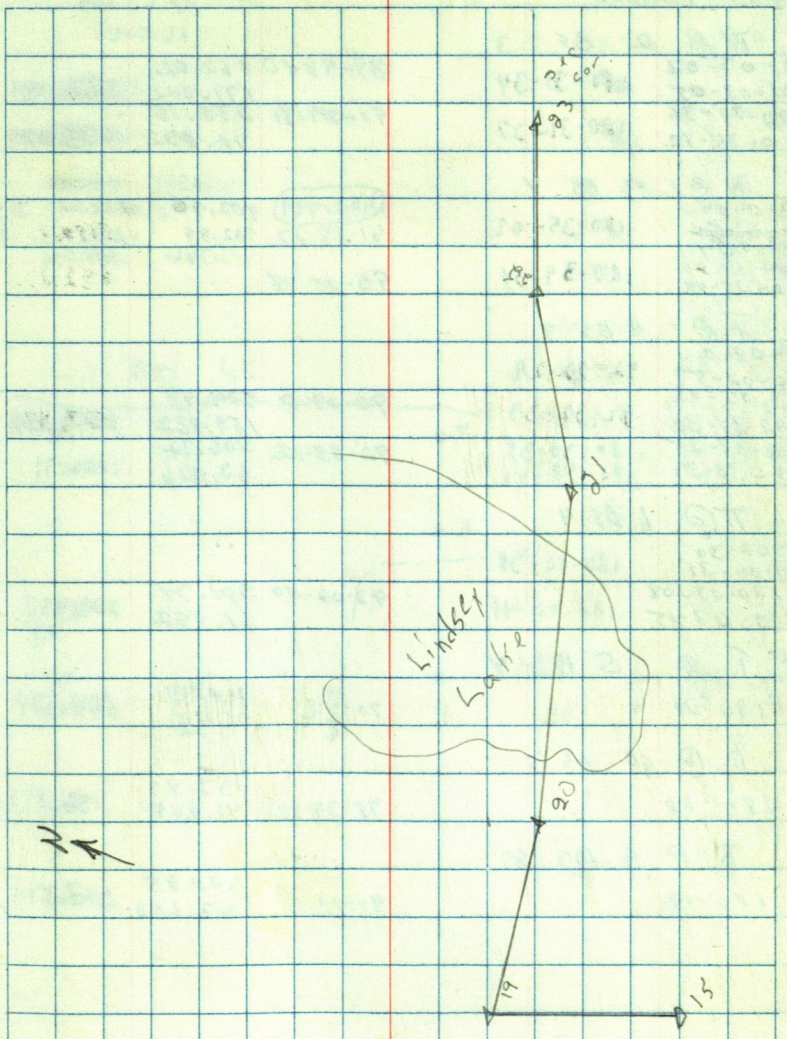
0-04-16
180-04-22 165-55-42
165-59-58
21 345-49-54 165-45-32

π @ 21 BS 20
0-09-21

180-09-14	175-02-43	90-00-34	3190.76 972,546	3190,75
175-12-04			642.29	
22 355-12-08	175-02-48	90-43-16	195,768	642.233

π @ 22 BS 21
0-09-30

180-02-25	184-52-41			
184-55-11			337.97	
23 4-55-13	184-52-48	92-55-05	103,013	337,53

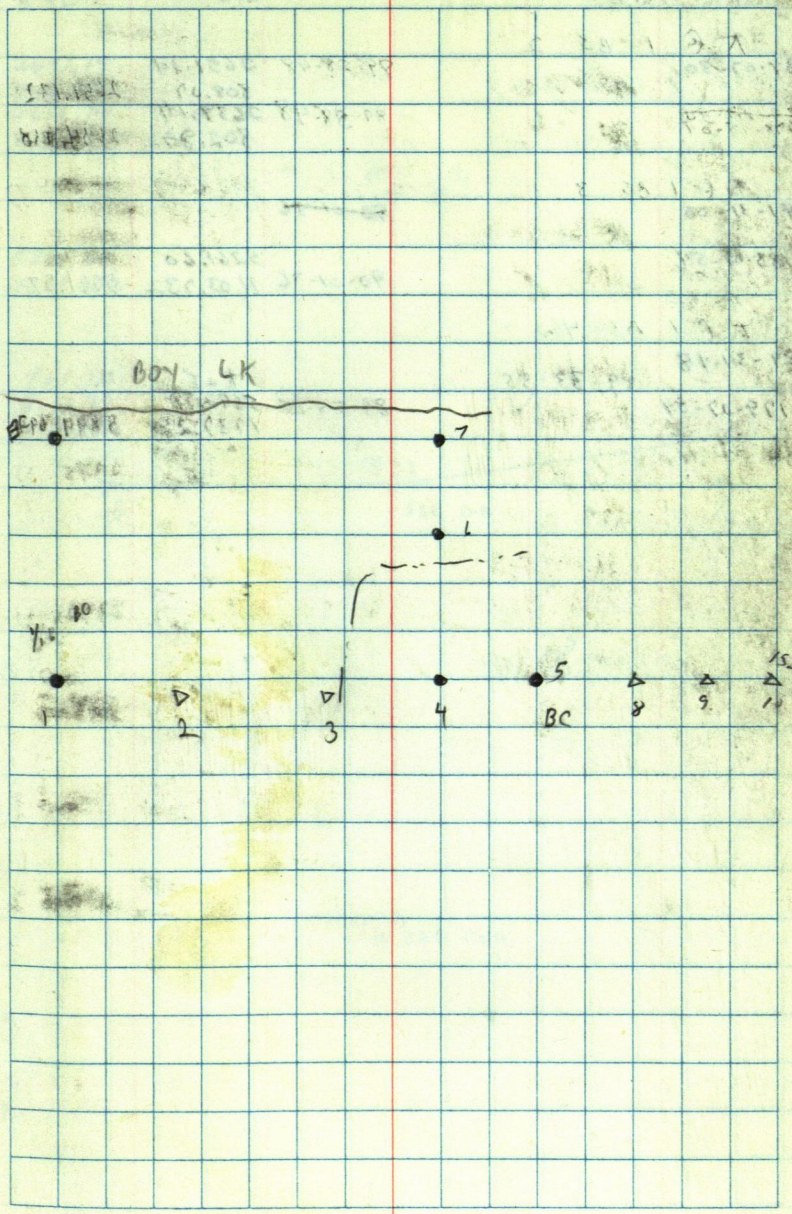


LEN TABAKA

24-142-28

.16 K+E

	Π @ 2 BS 3				
	0-03-02				
	180-03-05	180-31-34	89-48-10	562.02 / 171.382	562,031
	180-34-36		91-57-31	235.15 / 71.672	235,009
1	0-34-32	180-31-27			
	Π @ 3 BS 4			.836	402.841
	0-0-54		402.761	402.96	122,325 K+E
	~~180-0-54~~	180-35-02	91-25-27	402.89 / .766	122,799 2A
	180-35-56				402.756
2	0-35-48	180-34-54	90-05-48		
	Π @ 4 BS 3				
	0-03-0				
	180-02-57	92-32-29			
	92-35-29		90-03-0	524.48 / 159,862	524,478
6	272-35-30	92-32-33			
	180-33-35	180-30-35	92-33-12	206.72 / 63,006	206,51
5	0-33-37	180-30-40			
	Π @ 6 BS 4				
	0-02-30				
	180-02-31	180-00-38			
	180-03-08		93-02-40	201,74 / 61,492	201,457
7	0-03-15	180-00-44			
	Π @ 5 BS 4			314,37	
8	180-00		90-42	95,801	314,284
	Π @ 6 BS 5			137,49	
9	180-00		95-34-14	41,906	136,842
	Π @ 9 BS 8			208.85	
10	180-00		90-14-35	63,656	208,844



20-139-29

MIKE ORTH

				Red 2A	
⊼ @ 1 BS 2					
89-07-30			89-58-48	2651.14 808.07	2651.132
~~89-07-30~~ 178-15-04			89-58-48	2634.14 802.892	2634.138
3					
⊼ @ 1 BS 3					
91-31-00			~~90-01-36~~		
183-01-54			90-01-36	5261.60 1603.732	5261.57
4					
⊼ @ 1 BS 4					
89-34-18	89-33-55			K+E	
179-07-54			89-54-15	5699.70 1737.288	5699.688
5					

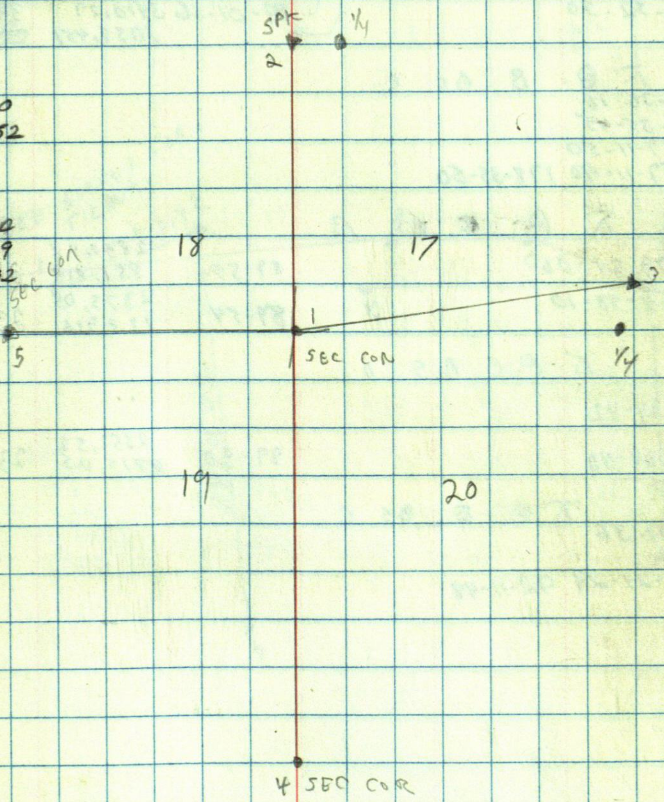
A. GIRO
T. VOLCKE
S. FREDRICK

K+E

2651.19
808.084
2634.19
802.905

5261.60
1603.752

Red 2A
5699.79
1737.292



Rel 2A

T @ 2 BS 3 1

66-26-33

132-52-50

89-54-15 ~~592.80~~ 180.666 592.644

89-01-66 3410.27 3410.251

1039.451 ~~3409.779~~

T @ B BS C

178-36-10

178-35-45

357-11-50

A 357-11-40 178-35-50

T @ C BS B

179-54-06

359-48-10

D

89-57 2890.48 881.018 2890.466

89-54 2375.05 723.916 2375.037

T @ C BS D

0-34-42

E 1-08-42

89-50 2352.52 ~~3~~717.05 2352.503

T @ E BS C

92-11-36

184-23-24 92-11-48

F

K + E

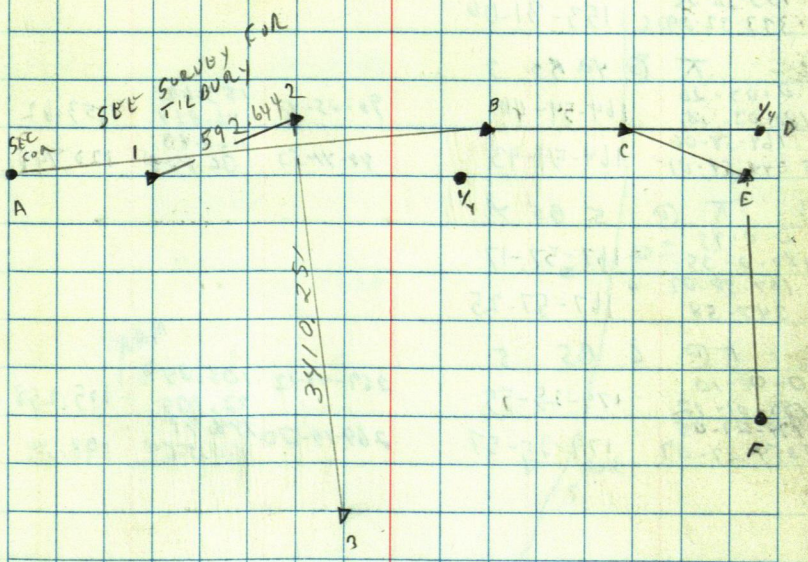
9

592.89

180.710

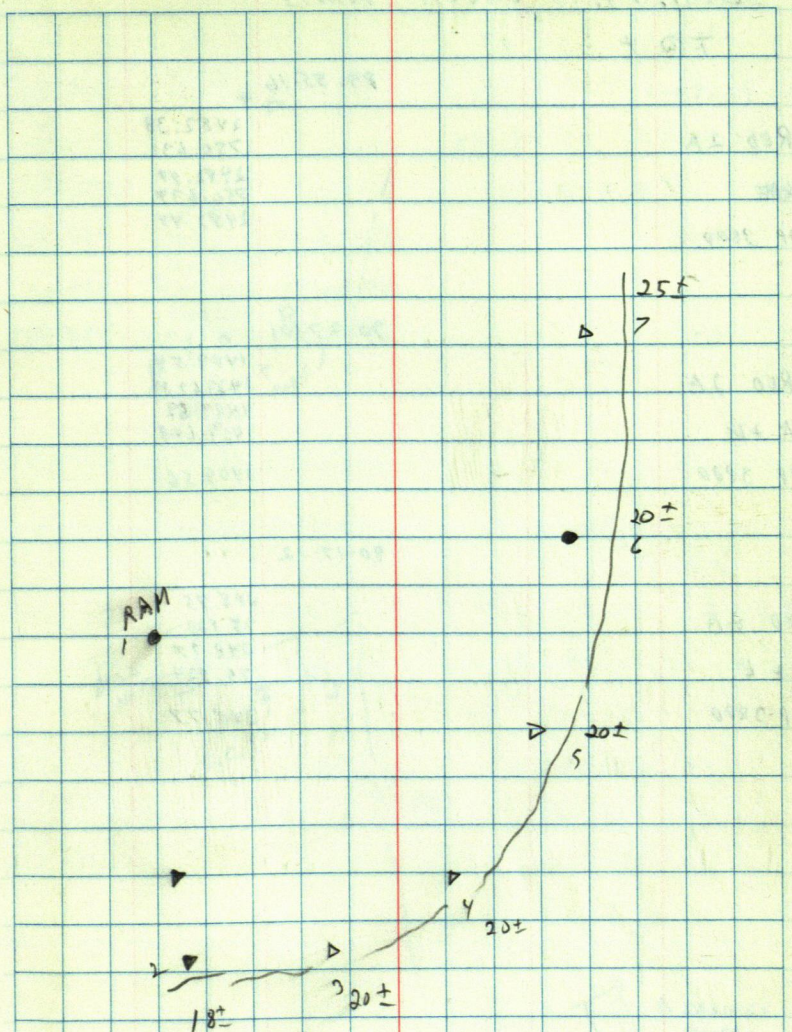
3410.32

1039.492



PAT PIPENNACEN

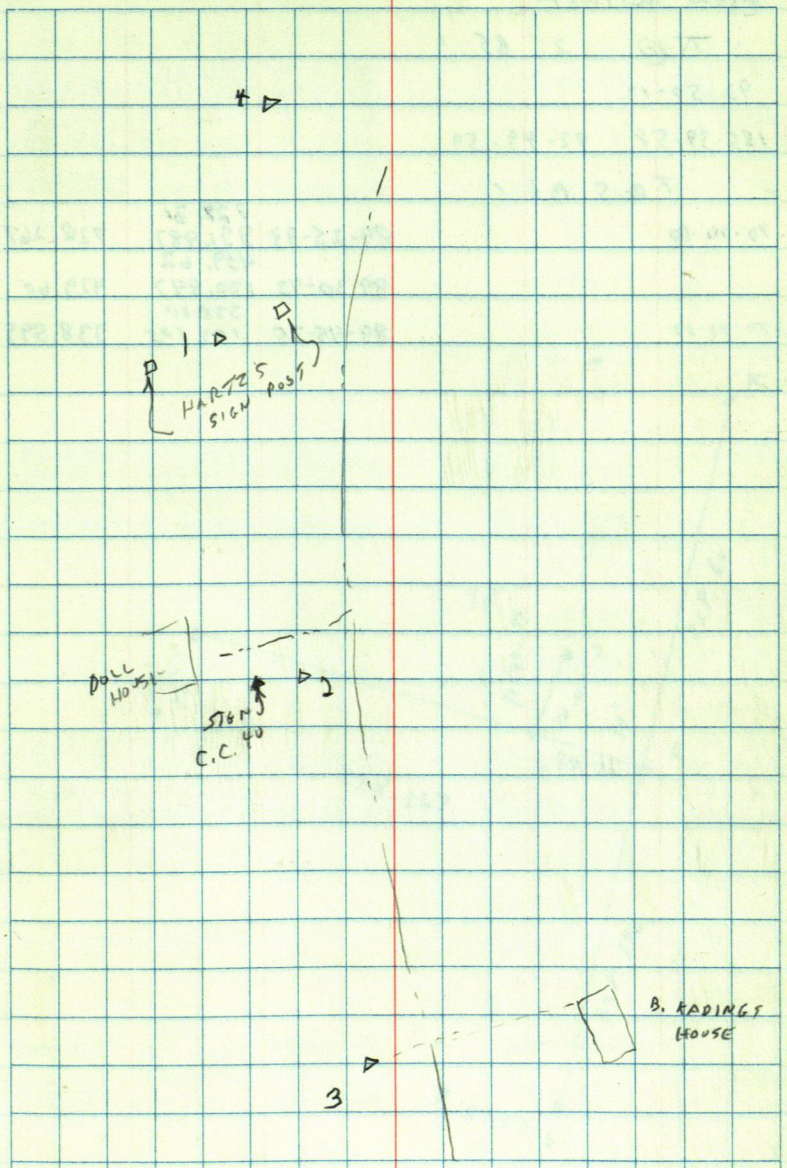
⊼ @ 2	BS 1				
0-02-38				285.45	
180-02-27	97-08-37		90-12-48	87.005	285.447
97-11-15				162.97	
3 277-11-10	97-08-43		87-12-23	49.674	162.955
⊼ @ 3	BS 2				
0-1-29					
180-01-29	153-31-03				
153-32-32					
4 333-32-29	153-31-06				
⊼ @ 4	BS 3				
0-03-20				153.62	
180-03-18	164-54-40		90-05-47	46.824	153.62
164-58-06				120.83	
5 344-58-01	164-54-43		88-41-53	36.829	120.798
⊼ @ 5	BS 4				
0-0-45					
180-0-35	167-57-17				
167-58-02					
6 347-58	167-57-25				
⊼ @ 6	BS 5				
0-01-10			267-43-12	105.34	
180-01-12	179-25-55			32.109	105.258
179-27-05				188.71	
7 359-27-07	179-25-57		269-19-20	60.569	198.699



E. D. M. CHECK POINTS

T@4

3		89-55-16	
RED 2A			2482.38
			756.631
K&E			2482.41
			756.639
HP 3800			2482.44
2		90-27-01	
RED 2A			1409.54
			429.628
K+E			1409.59
			429.649
HP 3800			1409.56
1		90-17-12	
RED 2A			248.75
			75.821
K+E			248.77
			75.824
HP 3800			248.77



GLEN WITNEY

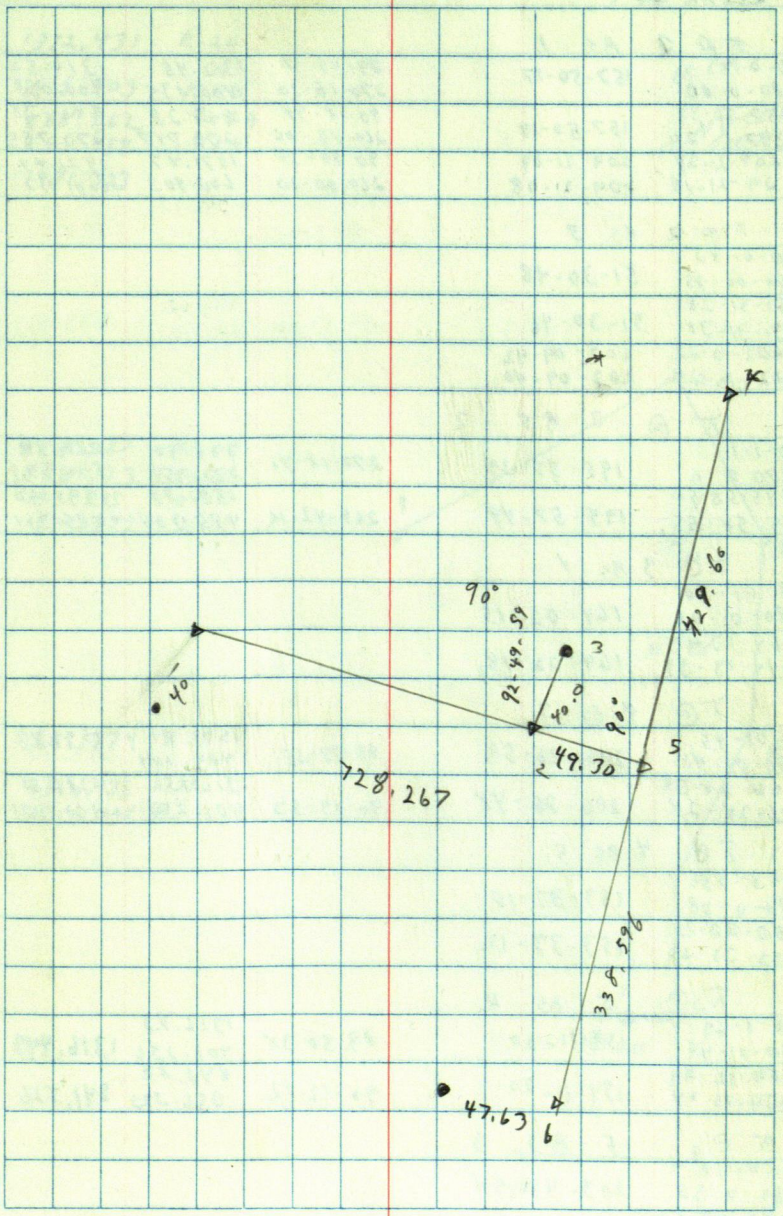
T @ 2 B5 '

92-50-12

3 185-39-58 92-49-59

T @ 5 B5 '

	90-00-00		728.31	
		89-25-33	221.987	728.267
			429.62	
4		89-30-42	130.947	429.60
			338.60	
6	270-00-00	89-45-35	103.205	338.595



CLEAR 4K

T @ 2	BS 1				
0-0-15			89-44-17	1312.45	1312.52
180-0-00	157-50-17		270-16-20	400.035	400.058
157-50-32			90-18-34	888.28	888.35
3 337-50-24	157-50-19		269-42-05	270.747	270.785
209-21-24			90-40-30	1971.47	1971.47
9 29-21-18	209-21-08		269-20-20	600.903	600.911
T @ 2	BS 3				
0-0-40					
180-00-45	51-30-48				
51-31-28					
9 231-31-31	51-30-46				
202-10-22	202-09-42				
1 22-10-25	202-09-40				
T @ 3	BS 2				
0-1-11				886.30	886.36
180-01-11	195-57-39		270-18-40	270.754	270.772
195-58-50				1591.87	1591.90
4 15-58-55	195-57-44		269-42-16	485.204	485.211
T @ 3	BS 4				
0-01-30					
180-01-21	164-02-15				
164-03-45					
2 344-03-39	164-02-18				
T @ 4	BS 3				
0-01-45				1591.81	1591.82
180-01-40	206-26-50		89-38-55	405.184	
206-28-35				1316.45	1316.51
5 26-28-28	206-26-48		90-17-53	401.255	401.275
T @ 4	BS 5				
0-0-05					
180-0-08	153-33-10				
153-33-15					
3 333-33-20	153-33-12				
T @ 5	BS 4				
0-1-29				1316.45	
180-01-44	154-11-20		89-50-38	401.256	1316.443
154-12-49				841.83	
8 334-13-04	154-11-20		90-12-22	856.593	841.826
6 T @	5 BS 3				
0-0-40					
180-0-38	205-48-54				
4 205-49-34					
25-49-28	205-48-50				

CLR + WARM 75°

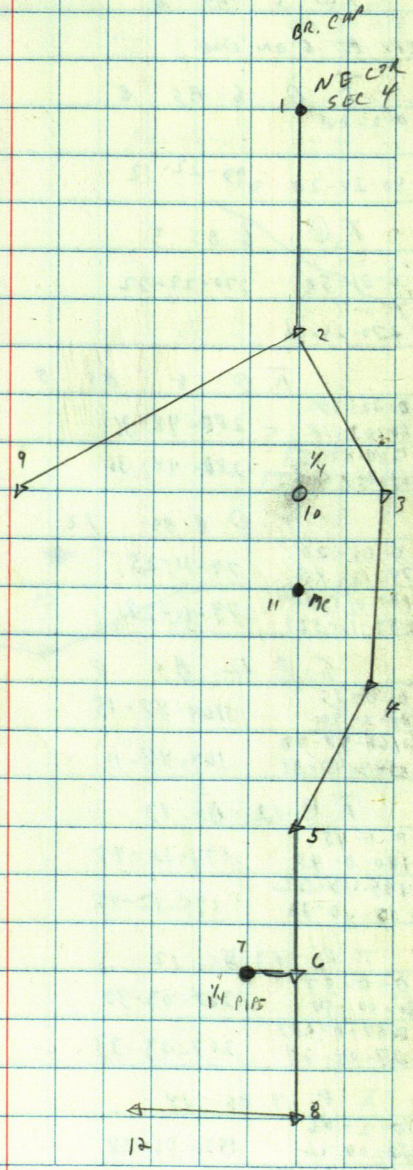
E. CURD
S. FREDERICK

13

T-2
RED 2A

8-26-87

1312.431	R-2A
1312.503	K+E
888.262	R-2A
888.357	K+E
1971.323	
888.283	R-2A
888.373	K+E
1591.845	R-2A
1591.872	K+E
1591.774	R
1316.435	R2A
1316.498	K



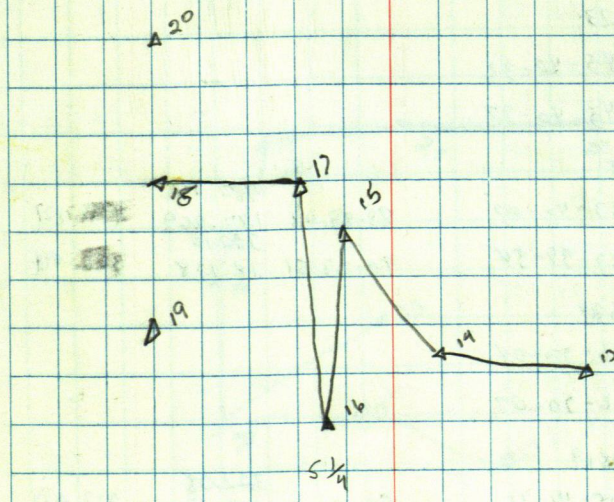
CLOUDY - WINDY SOME RAIN

T. VOLCKE
A. VOLCKE

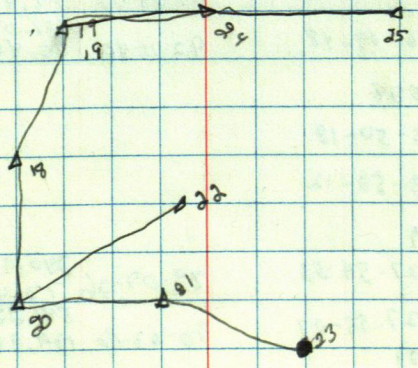
8-21-87

T-2
RED 21

	T@14 BS13				
	0-01-43				
	180-01-37	198-31-46	} ?	90-21-22	435.77
	98-33-29				132.822
15	18-33-29	198-31-52	} ?	89-58-54	418.493
					1372.935
	T@15 BS14				
	0-02-31				1372.97
	180-02-31	56-43-42		90-03-40	418.483
	56-46-13				400.56
16	236-46-12	56-43-41		90-10-37	122.091
					400.557
	T@16 BS15				
	0-05-14				400.56
	180-05-08	359-36-08		90-01-38	122.091
	359-41-22				405.29
17	179-41-18	359-36-10		90-02-28	123.516
					405.236
	T@16 BS17				
	0-01-02				
	180-01-02	0-23-53			
	0-24-55				
15	180-24-52	0-23-50			
	T@17 BS16				
	0-05-12				405.21
	180-05-08	120-07-49		90-09-08	123.508
	120-13-01				376.73
18	300-12-59	120-07-51		90-29-12	119.829
					376.718
	T@17 BS18				
	0-01-52				
	180-01-55	239-52-11			
	239-54-03				
16	59-54-04	239-52-09			
	T@18 BS17				
	0-04-44				376.76
	180-04-40	94-28-58		89-46-09	114.836
	94-33-42				483.17
19	274-33-42	94-29-02		90-17-11	147.271
					483.167
	T@19 BS19				
	0-03-39				
	180-03-42	265-30-59			
	345-34-37				
17	85-34-36	265-30-54			
	T@18 BS17				
	0-03-52				
	180-03-48	291-18-57		89-45-50	
	291-22-49				291.78
20	111-22-47	291-18-59		89-47-54	88.934
					291.776



	T @ 18 BS 20				
	0-01-24				
	180-01-27	68-41-01			
	68-42-25				
	248-42-26	68-40-59			
	T @ 20 BS 18				
	0-02-16			291.79	
	180-02-12	114-31-47	90-38-19	88.937	291.77
	114-34-59			263.41	
	294-33-52	114-31-40	89-58-09	79.484	262.411
	T @ 20 BS 21				
	0-02-52				
	180-02-59	245-28-22			
	245-31-14				
	65-31-19	245-28-20			
	T @ 20 BS 18				
	0-01-19		90-40-00		
	180-01-12	47-55-53			
	47-57-12			359.23	
	227-57-06	47-55-54	90-23-45	109.491	359.216
	T @ 21 BS 20				
	0-01-36			262.41	
	180-01-30	214-19-24	90-21-47	79.982	262.404
	214-21-06			266.40	
	34-20-54	214-19-24	90-07-56	81.198	266.397
	T @ 21 BS 23				
	0-03-54				
	180-03-55	145-40-32			
	145-44-26				
	325-44-32	145-40-37			
	T @ 19 BS 18				
	0-03-51			483.14	
	180-03-47	233-40-00	89-29-48	147.262	483.121
	233-43-51			322.10	
	53-43-41	233-39-54	90-23-51	98.178	322.094
	T @ 19 BS 24				
	0-06-15				
	180-06-21	126-20-04			
	126-26-19				
	306-26-28	126-20-07			
	T @ 24 BS 19				
	0-05-39			322.08	
	180-05-38	175-41-35	89-52-37	98.172	322.081
	175-47-14			446.86	
	355-47-09	175-41-31	89-26-41	136.204	446.839

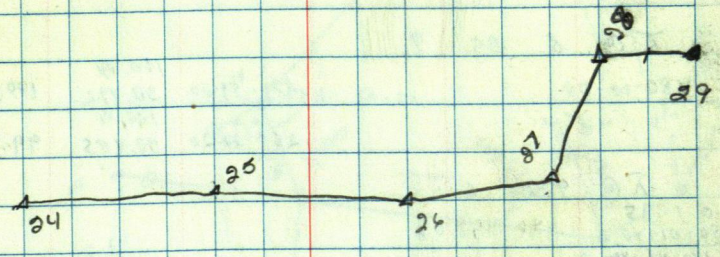


CLAY - WINDY

T. VOLCKE
A. VOLCKE

T-2
RED 2A

8-21-87



π @ 24 BS 25

0-05-49
180-05-51 184-18-33
184-24-22
204-24-29 184-18-36

π @ 25 BS 24

0-04-03
180-04-04 186-13-32 90-43-58 446.84 136.198 446.803
186-17-35
206-17-29 186-13-25 91-48-15 331.89 101.168 331.726

π @ 25 BS 26

0-02-21
180-02-27 173-46-33
173-48-54
353-48-58 173-46-31

π @ 26 BS 25

0-08-23
180-08-17 168-33-42 88-27-53 331.83 101.141 331.708
168-42-05
348-41-57 168-33-40 91-17-38 242.90 73.994 242.636

π @ 26 BS 27

0-04-00
180-03-56 191-26-40
191-30-40
11-30-39 191-26-43

π @ 27 BS 26

0-04-10
180-04-01 146-09-42 89-04-17 242.69 73.956 242.631
146-13-52
326-13-49 146-09-48 92-11-40 241.02 73.461 240.839

π @ 27 BS 28

0-03-36
180-03-24 213-50-18
213-53-44
33-53-36 213-50-12

π @ 28 BS 27

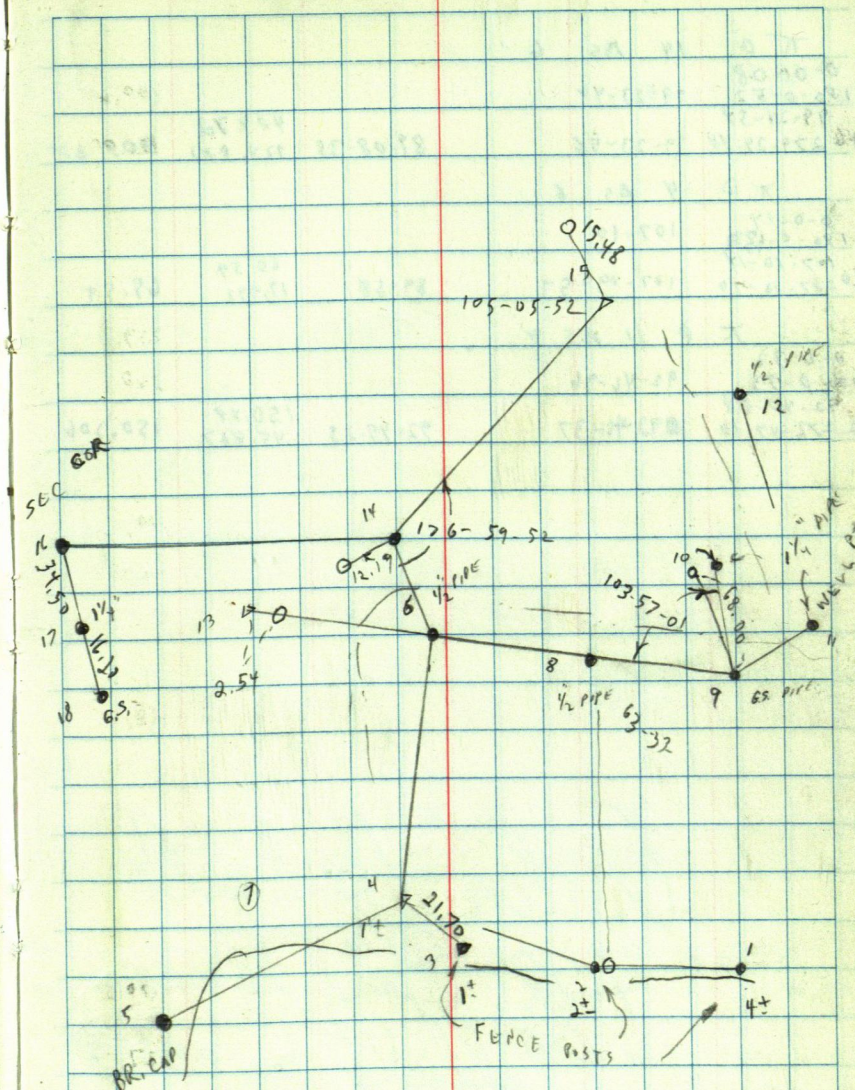
0-01-32
180-01-22 227-54-53 88-07-06 240.95 73.441 240.818
227-56-25
47-56-36 227-55-03 90-23-16 541.22 164.964 541.206

π @ 28 BS 29

0-07-40
180-07-43 132-05-00
132-12-40
312-12-43 132-05-00

WOODS

Δ @ 2 BS 1				
0-1-57			30.678	
180-01-34	181-59-06	90-34-30	100.65	100.644
182-01-03			121.01	
(4) 2-0-52	181-59-18	90-34-30	36.864	121.004
~~90-34-30~~				
Δ @				
0-0-34				
180-0-30				
10-40-50	10-40-16			
3				
169-56-50	163-56-16		213.13	
5 343-58-47	163-56-17	90-13-50	64.96	213.124
266-18-18	266-17-44		261.10	
176 86-18-03	266-17-35	85-47-20	79.582	260.392
194 -	194.00			
7				
Δ @ 6 BS 9				
9 180-00-00		270-59-20	170.04	
			30.492	100.024
6			100.01	
		268-21-20	30.485	99.972
Δ @ 9 BS 6				
0-1-35				
180-01-40	140-45-05			
140-46-40			118.59	
11 320-46-46	140-45-06	85-32	36.146	118.55
Δ @ 6 BS 9				
0-02-29				
140-02-22	70-11-50			
70-14-19				
4 250-14-17	70-11-55			
Δ @ 6 BS 9				
0-2-20				
180-02-20				
180-00	180-00		170.85	170.543
13 0-0		86-31	52.075	
216-16-20	216-14-00		127.66	
14 36-16-22	216-14-02	84-51-22	78.911	127.146
Δ @ 14 BS 15				
0-1-16	81-54-23		252.71	
180-01-10		90-32-08	77.026	252.696
84-55-39				
6 261-55-30	81-54-20			

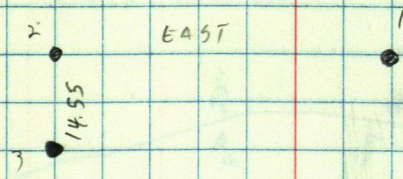


T e	14	Bs	6		
0-01-08					
180-0-52	99-23-46				
99-24-54				409.72	
16 279-24-48	99-23-56		89-08-35	124.881	409.67
T e	9	Bs	6		
0-0-14					
180-0-43	107-10				
107-10-14				65.59	
10 287-10-10	107-09-57		89-58	17.992	65.59
T e	11	Bs	9		
0-0-32					
180-0-33	92-46-36				
92-47-08				150.XP	
12 272-47-10	92-46-37		92-45-25	45.867	150.306

H e 2 95 1

3 97-01-05

Orlin Harbath
428 Golf Terrace
Litchfield, Mn 55355

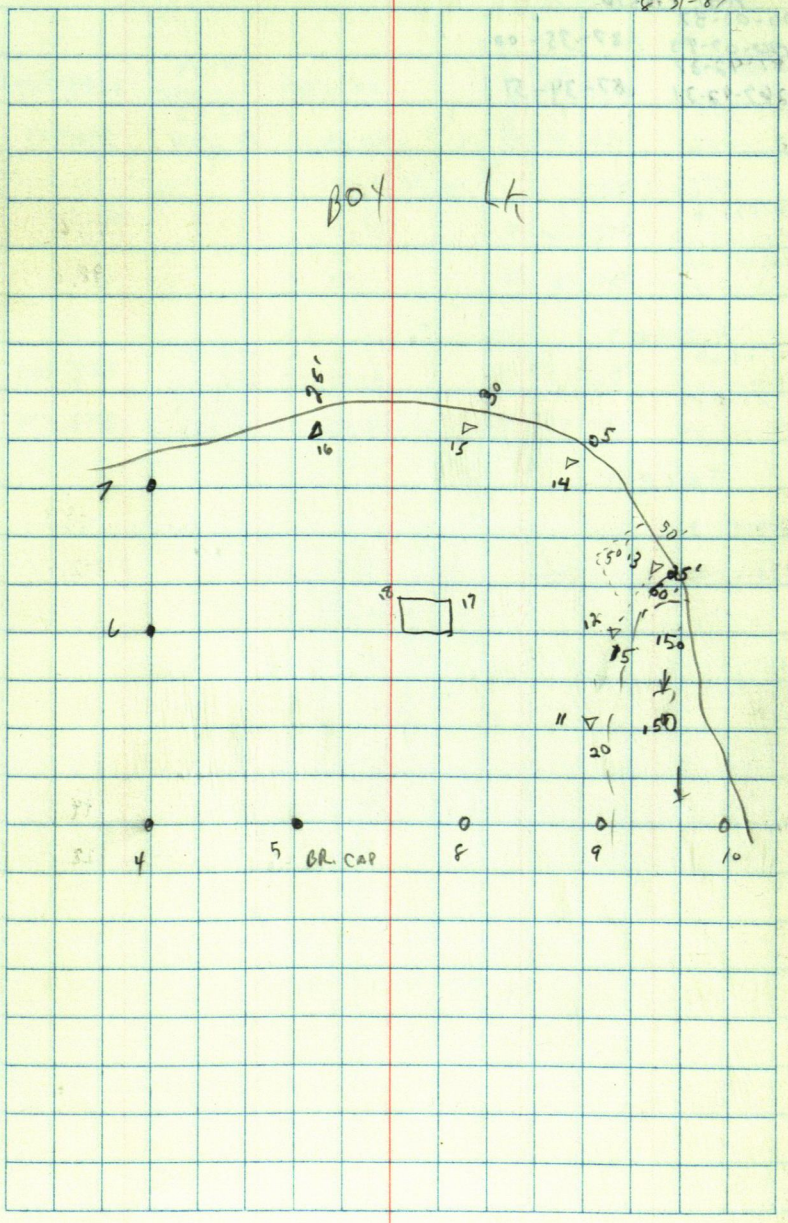


L. TABAKA

T @ 9 BS 8				
00-01-58				
180-01-57	48-08-12			
48-10-10				
1/228-10-05	48-08-08			
T @ 11 BS9				
0-00-07			111.69	
180-0-04	201-03-20	91-19-04	34.043	111.66
201-03-27			98.05	
12 21-03-16	201-03-12	270-48-22	29.885	98.039
T @ 12 BS 11				
00-08-04				
180-07-53	197-11-29			
197-19-33				
13 17-19-27	197-11-34			
T @ 13 BS 12				
00-09-21			243.56	
180-09-18	140-12-09	89-27-42	74.238	243.55
140-21-30			242.77	
14 320-21-24	140-12-06	88-23-46	73.996	242.673
T 14 BS 13				
00-01-29				
180-01-19	169-56-08			
169-57-37				
15 349-57-34	169-56-15			
T @ 15 BS 14				
00-03-[illegible]		89	144.19	
180-03-11	161-07-28	[illegible]-55-12	43.947	144.186
161-10-40			122.25	
16 341-10-47	161-07-36	90-07-42	37.260	122.246
T @ 15 BS 14				
00-06-45				
180-06-34	60-17-18			
60-24-03				
17 240-03-55			174.07	
00-03-18	68-58-43			
18 69-01-55			175.54	
T @ 16 BS 15				
00-00-04				
180-00-01	166-47-42			
166-47-46			108.29	
7 346-47-35	166-47-34	89-00-11	33.007	108.274

E CURD
T VOLCKE
A VOLCKÉ
6-31-87

2



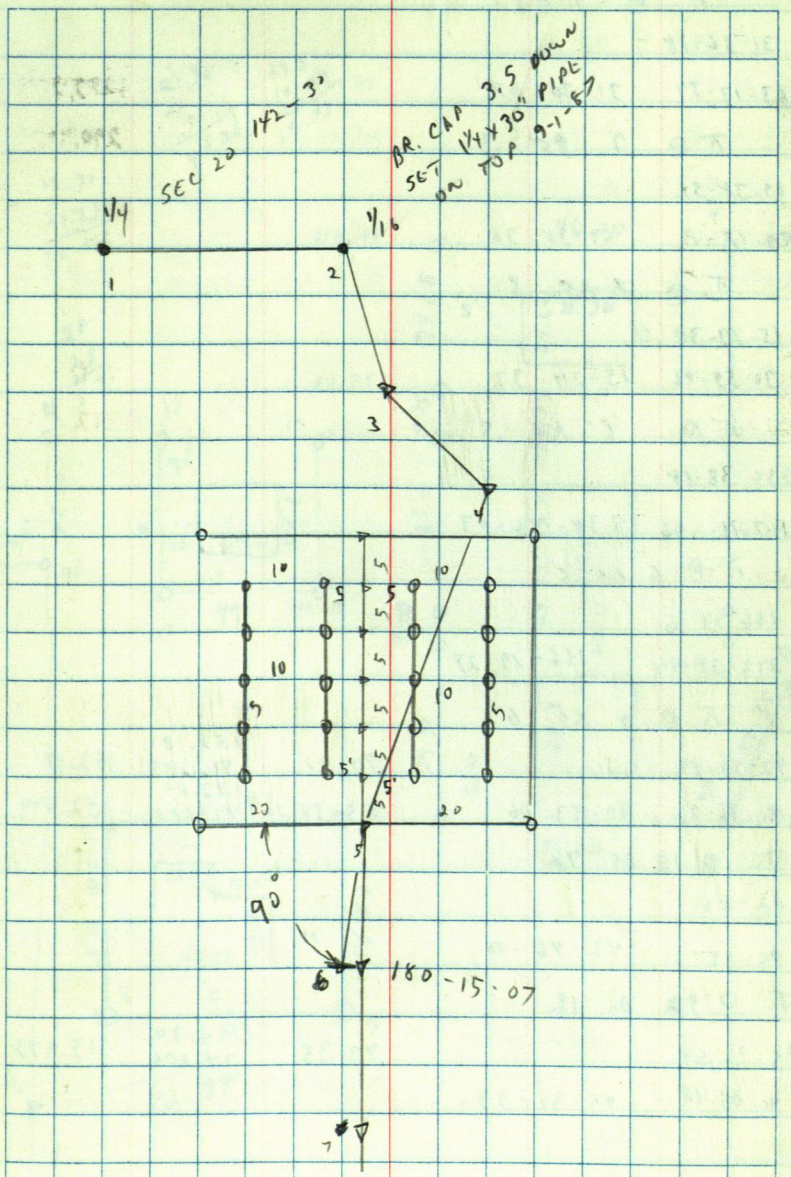
see L. TaBaKA

π@ 7 BS16

00-07-37	
180-07-40	87-35-00
87-42-37	
6 269-42-31	87-34-51

SAM OLIVER

T @ 2 BS 1				
0-02-19			1294.08	
180-02-08	226-10-51	89-18-27	394.4435	1293,979
226-13-10			290.92	
346-13-06	226-10-58	90-38-23	88.674	290,903
T @ 3 BS 2				
0-03-16				
180-03-09	166-06-10			
166-09-26				
346-09-17	166-06-08			
T @ 4 BS 3				
0-09-20			414.48	
180-09-06	260-07-37	91-13-22	126.333	414,383
260-16-57			292.58	
80-16-48	260-07-42	89-58-03	86.130	282,578
T @ 5 BS 4				
153-56-36				
307-53-48	153-56-24			



VIRGINIA BRAYER

π @ 1 BS Y

31-36-18

263-13-54 31-36-57

π @ 2 BS 3

69-38-54

1 139-17-12 69-38-36

π @ 7 BS 6

15-29-30

8 30-59-06 15-29-33

π @ 6 BS 5

238-38-18

7 117-16-06 238-38-03

π @ 6 BS 5

166-19-36

9 332-38-44 166-19-24

π @ 9 BS 6

90-53-12 90-01 152.18 152.18
46.385
143.00

10 181-46-12 90-53-06 85-58-30 43.588 142.649

π @ 12 BS 9

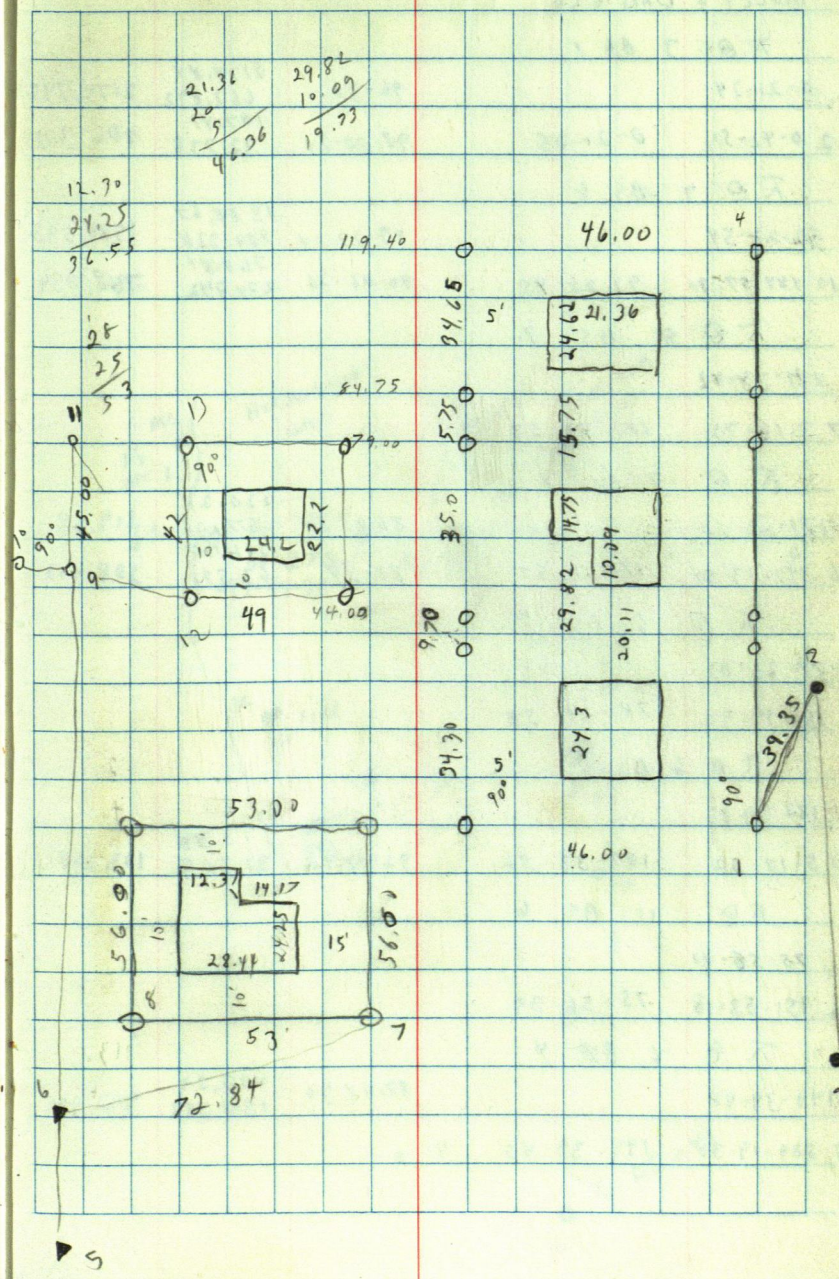
42-46

13 85-32 42-46-00

π @ 9 BS 12

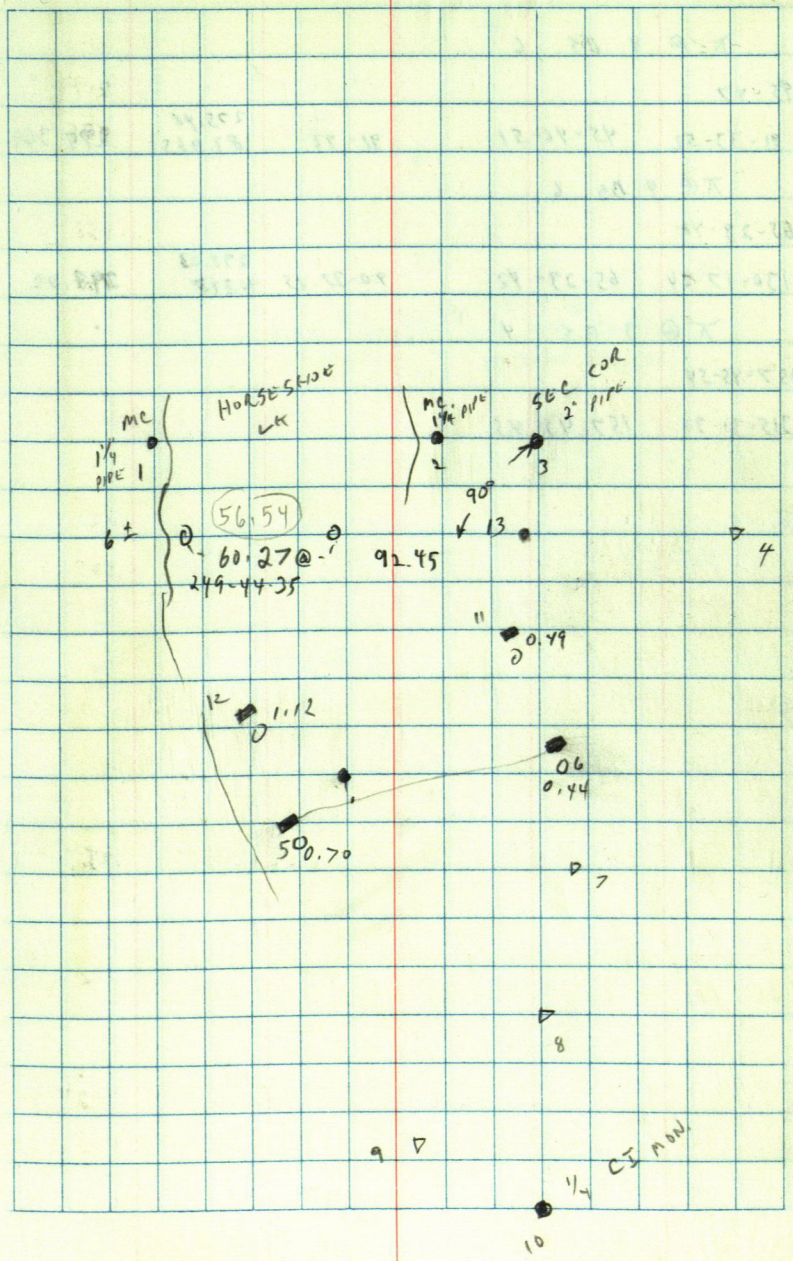
45-32-54 93-35 114.20 113.973
74.806

14 91-05-18 45-32-39

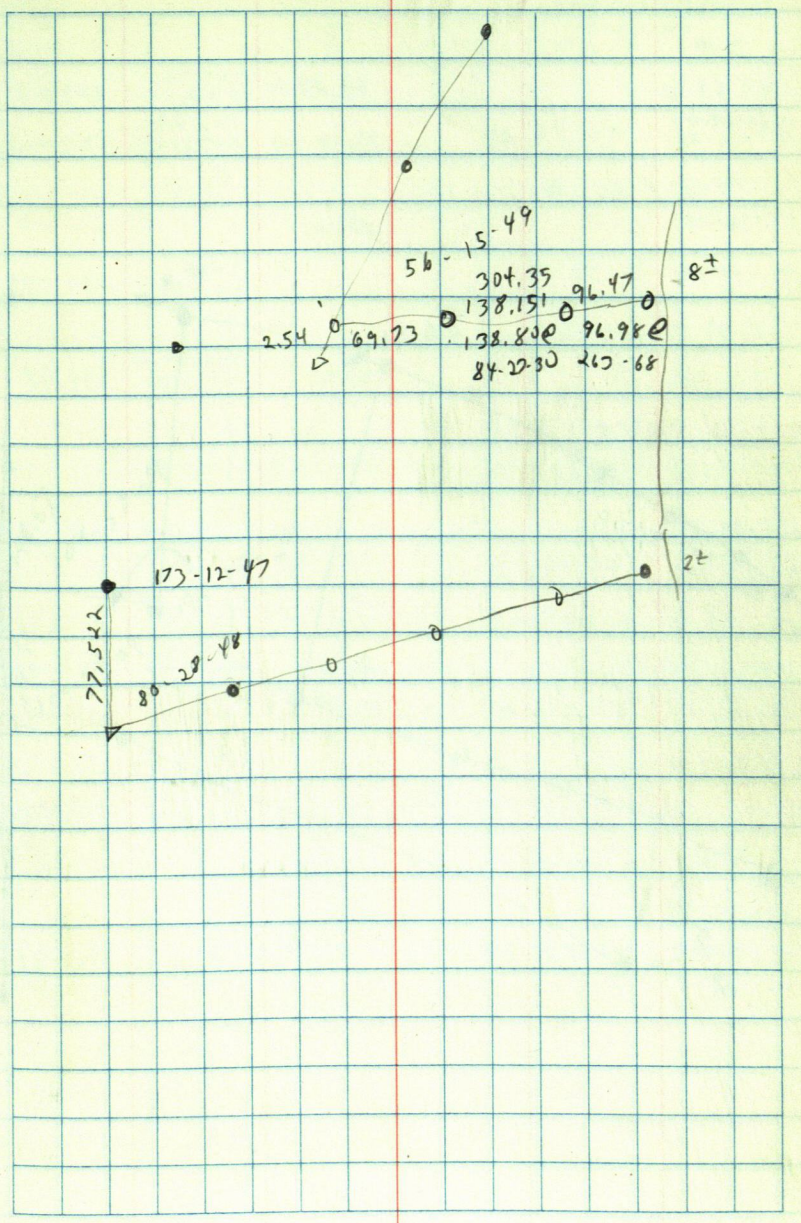


DONLEY & WARFIELD

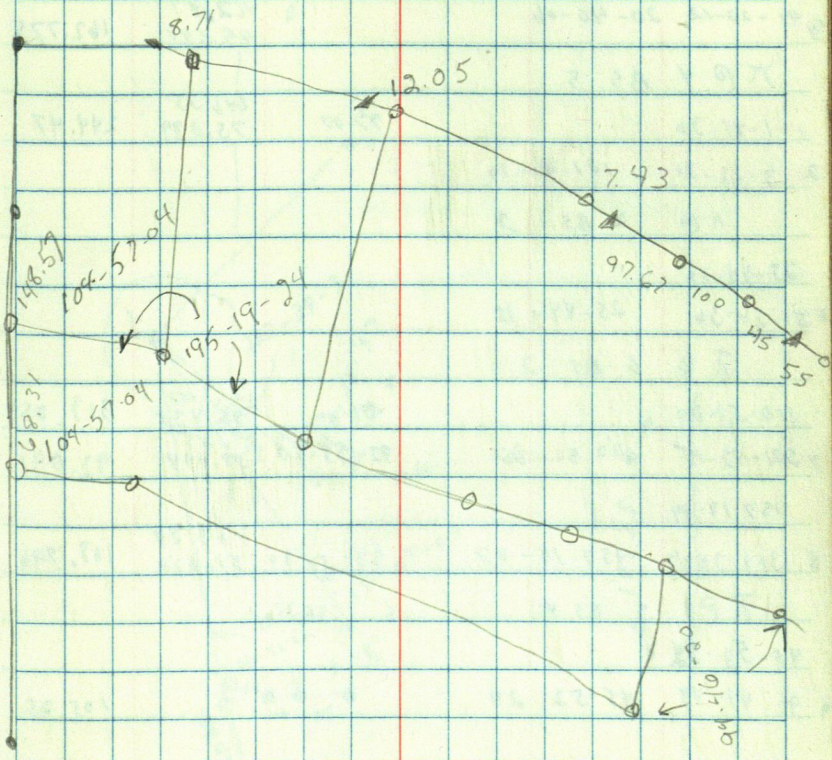
	∡ @ 3 BS 1				
	0-21-24		90-30	2174.84 662.892	2174.749
2	0-42-50	0-21-25	98-00-24	107.41 32.738	106.362
	∡ @ 9 BS 8				
	92-28-54		89-27-24	1588.67 484.228	1588.593
10	184-57-30	92-28-45	90-06-36	768.84 234.342	768.834
	∡ @ 8 BS 9				
	181-38-42				
7	3-16-45	181-38-23			
	∡ @ 7 BS 8				
	171-22-12		86-03-36	220.21 67.121	219.69
6	342-43-54	171-21-57	88-34	208.47 63.541	208.403
	∡ @ 6 BS 7				
	78-25-03				
5	156-49-42	78-24-54			
	∡ @ 6 BS 7				
	182-39-06				
11	5-17-52	182-38-56	92-14-30	103.38 31.509	103.298
	∡ @ 11 BS 6				
	75-56-48				
12	151-53-18	75-56-39			
	∡ @ 6 BS 4				
	144-39-48		87-48-30	493.29 150.351	492.929
7	289-19-30	144-39-45			



	⊼ @ 4 05 6				
	45-47				
13	91-33-52	45-46-51	91-32	275,48 83.965	275.369
	π@ 4 B5 6				
	65-23-46				
3	130-47-24	65-23-42	90-37-15	298.03 90.845	298.02
	⊼ @ 3 B5 4				
	157-45-54				
2	315-31-30	157.45-45			


56-15-49
304.35
138.151
96.47
8±
2.54
69.73
138.80e
96.98e
84-22-30
263-68
173-12-47
77.542
80-29-48
2±

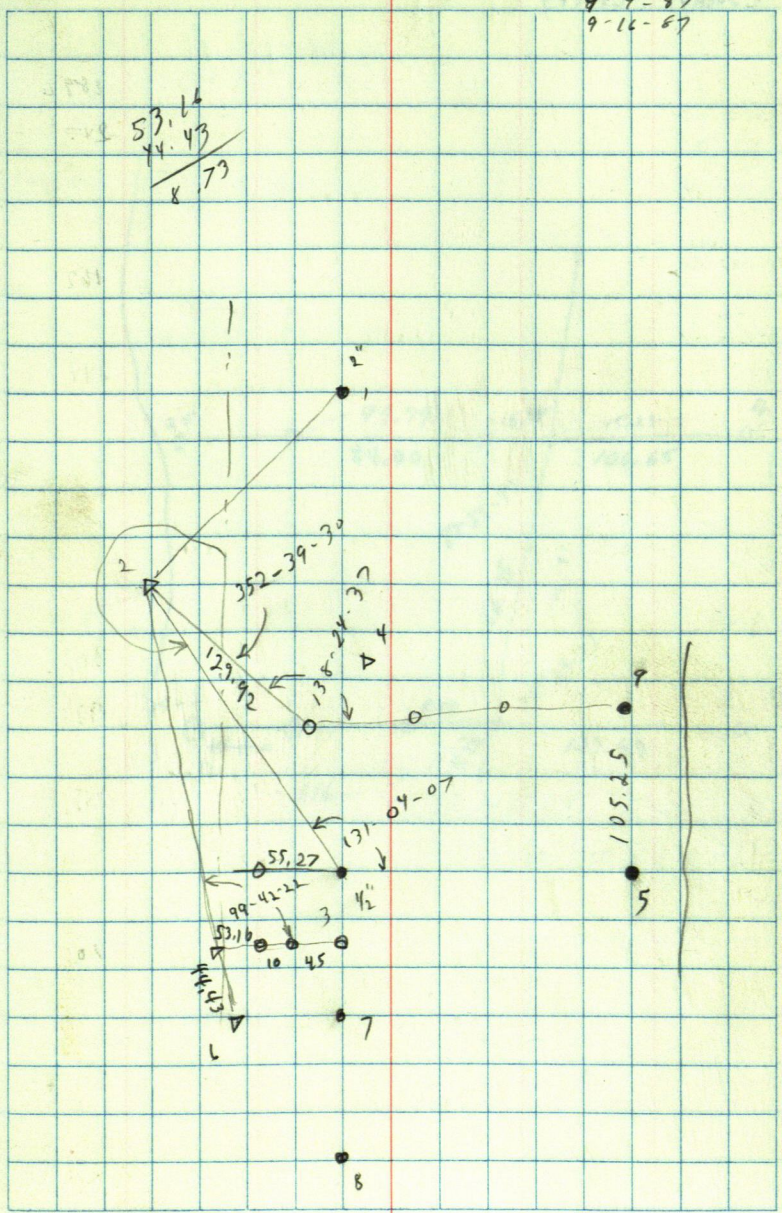
L Tabaka


8.71
12.05
7.43
97.62
100
45
55
146.57
104-57-04
195-19-24
69.31
104-57-04
28-01-00

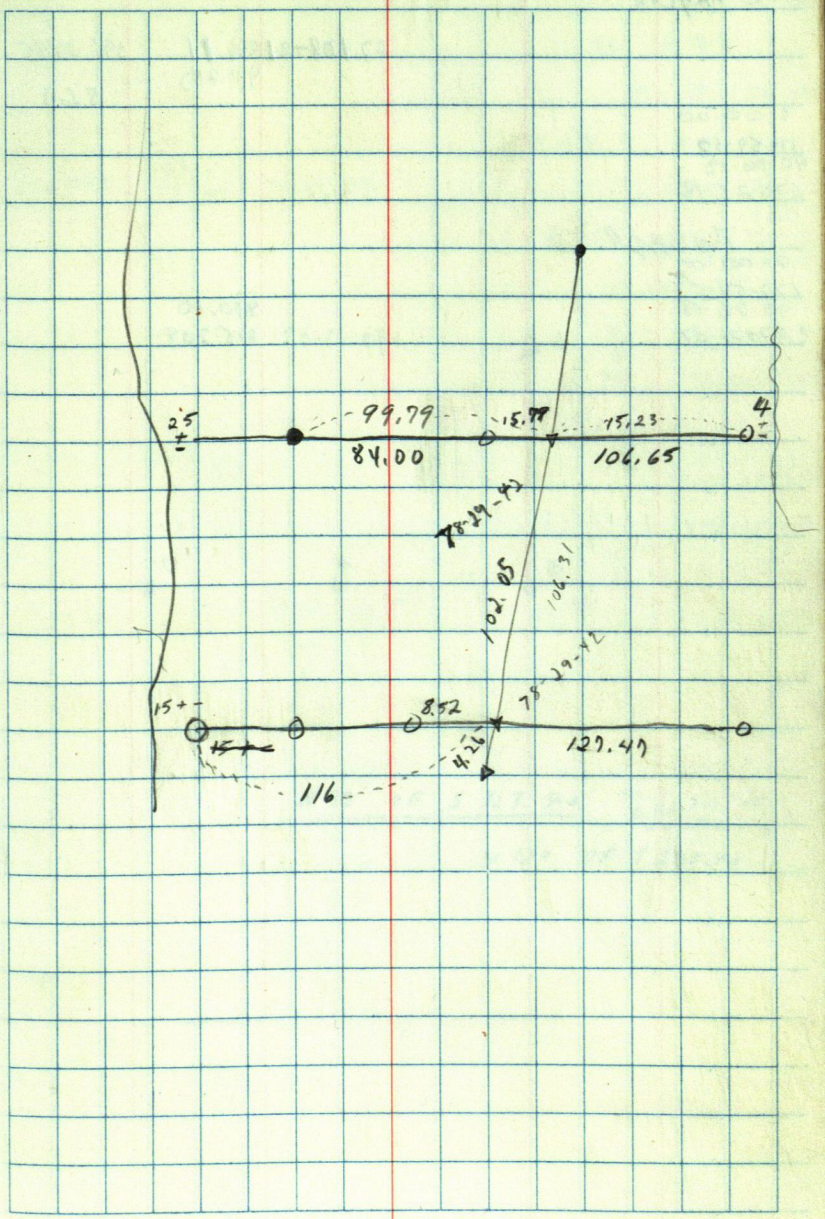
G. CURO
A. VOLENS
9-9-87
9-16-87

WAGEO TWP.

	T@ 2 BS 1				
	116-58-06		93-28-00	190.02 57.917	189.67
3	~~116-58-06~~ 033-56-09	116-58-04	89-42-30	247.22 75.353	247.022
	T@2 BS 3				
	20-40-12		88-02		
3	41-20-12	20-40-06		162.87 49.644	162.775
	T@4 BS 5				
	161-41-30		97-07	246.35 75.099	244.47
2	3-22-20	181-41-10			
	T@ 2 BS 3				
	25-44-24				
6	51-28-30	25-44-15			
	T@ 6 BS 2				
	110-51-04		91-00	313.11 95.435	313.059
7	221-42-15	110-51-07	92-55-30	92.15 28.088	92.031
	157-19-04				
8	314-38-15	157-19-07	93-54-30	169.29 51.600	168.896
	T@ 5 BS 4				
	45-52-24				
9	97-44-48	45-52-24			105.25



JERRY CONCEY



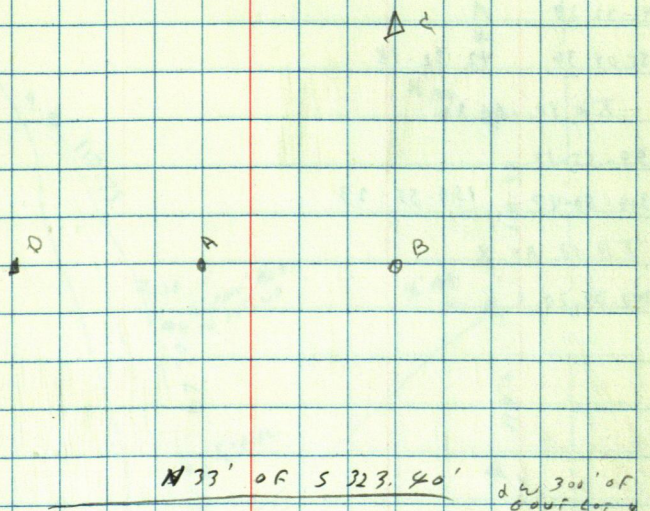
BILL TAYLOR

270-08-81 396.11 296.0445
90.253
564

0-00-00
179-59-50
90-36-18
270-25-48

TAOBS@
0-00-00
179-59-53
90-26-18
270-26-07

90-13-03 870.10
265.208



N 33' OF S 323.40'

W 300' OF SOUTH LOT 4

W 150' OF S 290.40

70° CLR WINDY

E. CORD
A. VOLCKE

TI AKE

9-22-83

⊼@ 8 BS 6

10 174-51-14

⊼@ 7 BS 3

301-15-44 276-38-08 272.80 83.152 270.976

360

8 242-32-42 301-16-21

602

⊼@ 3 BS 5

42-32-29

7 85.04-36 42-32-18

⊼@ 10 BS 8

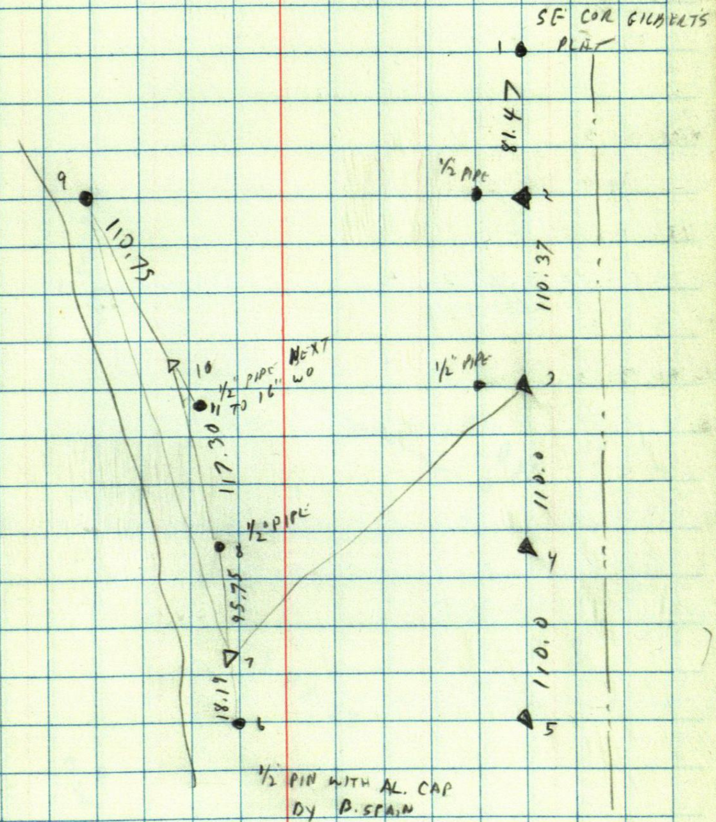
159-55-14

9 319-50-47 159-55-23

⊼@ 10 BS 8

11 352-02-20 8.55'

8

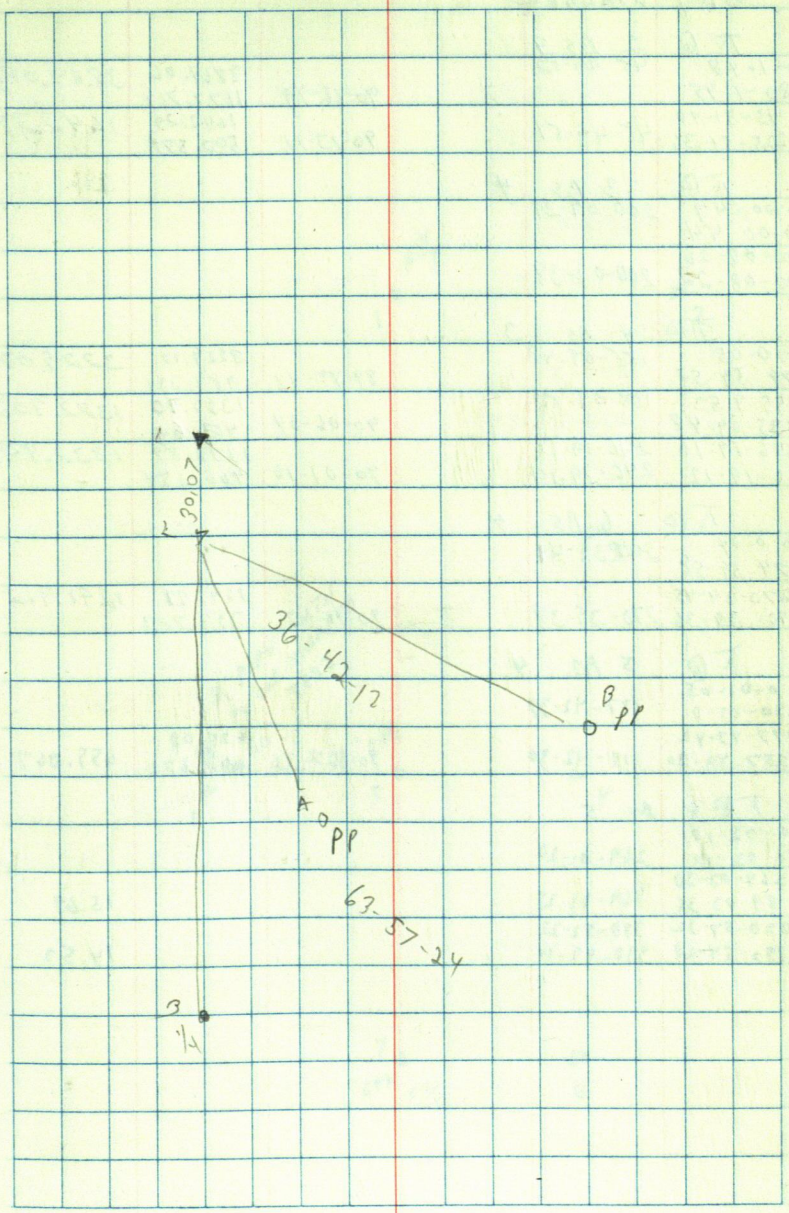


LARRY PLONTY SW-SE-19-140-30

1 @ 2 3 5 B

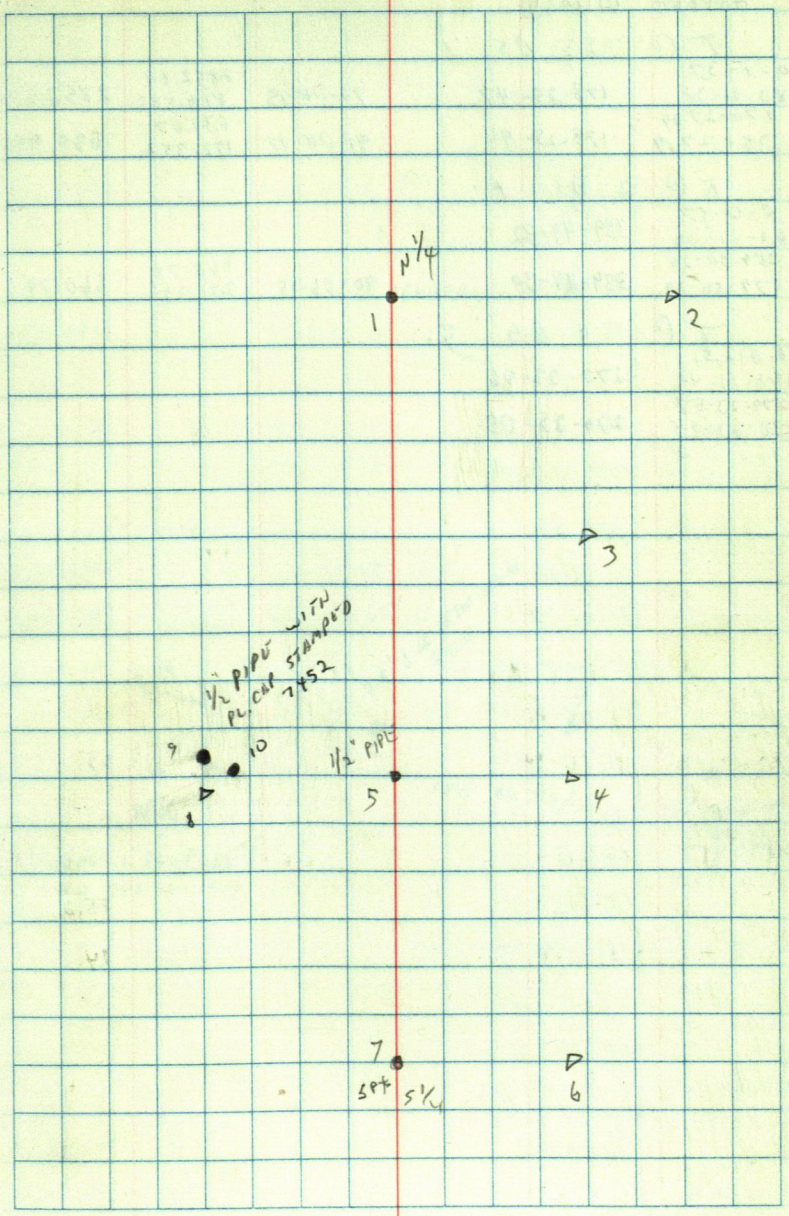
B	36-42-12		92-05	438.20 133,567	437.914
A	63-57-24		268-04	276.67 84.322	276.484

3



JAY WALDEN

	∠ @ 2	BS 3			
	0-1-48	48-49-52		3864.06	38.64.019
	180-1-45		90-12-49	1177.767	
	45-51-40			1642.29	1642.276
1	225-51-36	45-49-51	90-13-41	500.574	
	∠ @	3 BS 4			
	0-00-47	200-09-39			
	180-00-44				
	200-08-26				
2	20-08-22	200-07-38			
	∠ @	4 BS 3			
	0-0-05	155-09-48		3229.10	3229.074
	179-59-58		89-49-47	984.231	
	155-9-53	155-09-50		1322.70	1322.708
6	335-09-48		90-06-34	403.169	
	246-19-16	246-19-11		1332.84	1332.841
5	66-19-12	246-19-14	90-01-10	406.254	
	∠ @	6 BS 4			
	0-0-04	270-39-41			
	179-59-58				
	270-39-45			1291.91	1291.912
7	90-39-36	270-39-38	90-11-03	393.783	
	∠ @	5 BS 4			
	0-01-05				
	180-01-0	177-42-37			
	177-43-42			655.09	
8	357-43-30	177-42-30	90-27-35	199.272	655.067
	∠ @ 8	BS 5			
	0-02-10				
	180-02-10	269-01-20			
	269-03-30				
9	89-03-35	269-01-25			15.69
	330-54-32	330-52-22			
10	150-54-20	330-52-10			14.53



ARELEY VILLAGE

T C 2 BS 1

0-1-37			2852.69	
180-01-38	178-25-47	90-08-25	869.503	2852.674
178-27-24			631.07	
3 358-27-19	178-25-41	91-08-07	192.352	630.946

T C 2 BS 1

0-0-57				
180-01-09	359-49-32			
359-50-29			660.74	
4 179-50-39	359-49-30	90-06-15	201.396	660.74

T C 4 BS 5

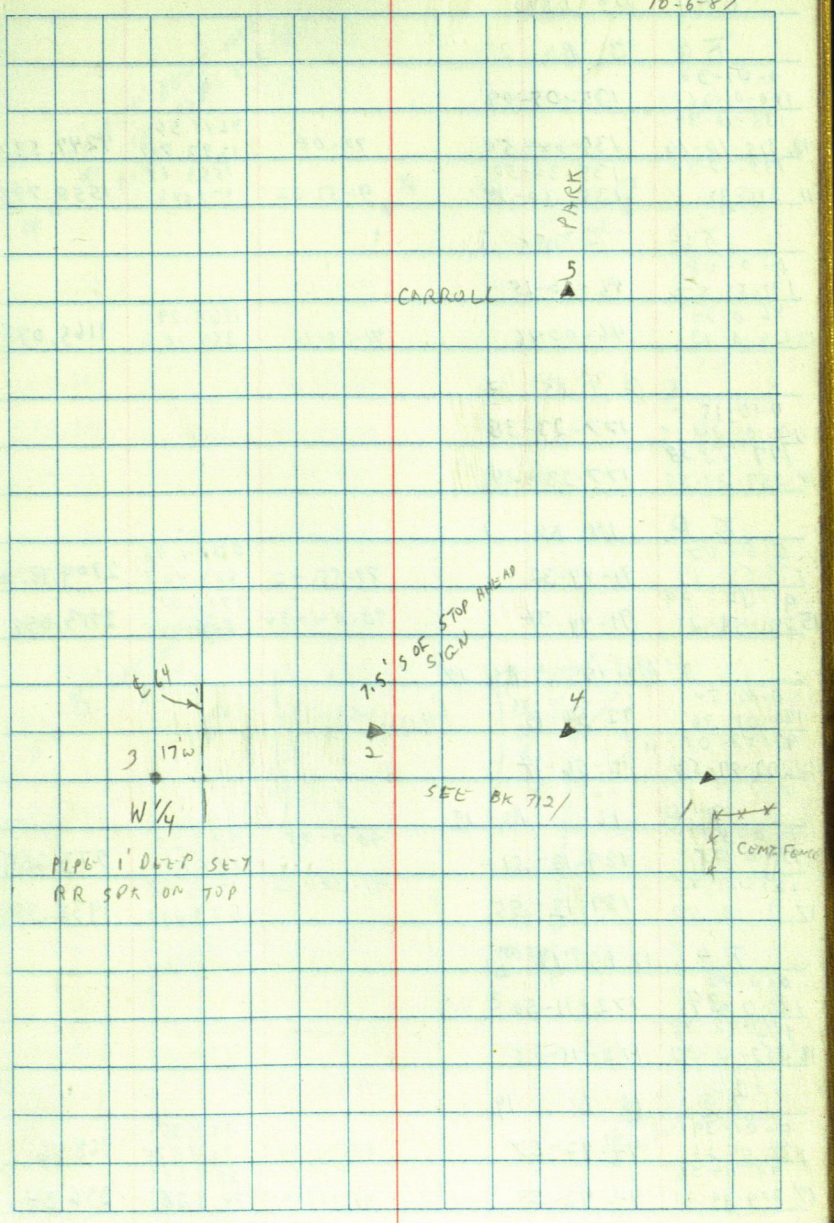
0-01-51				
180-01-40	270-22-06			
270-23-57				
2 90-23-45	270-22-05			

COLD WINDY - CLOUDY
35°

E. CURD
S. FREDRICK

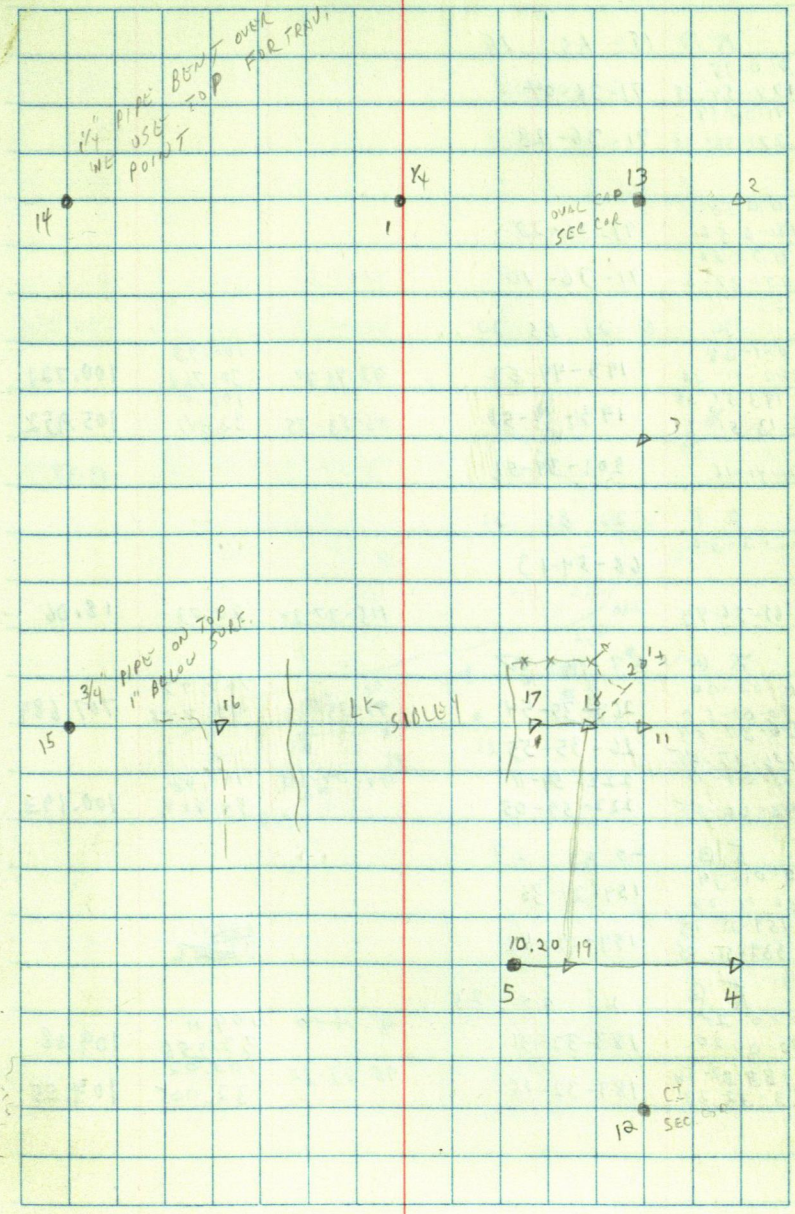
35

10-6-87

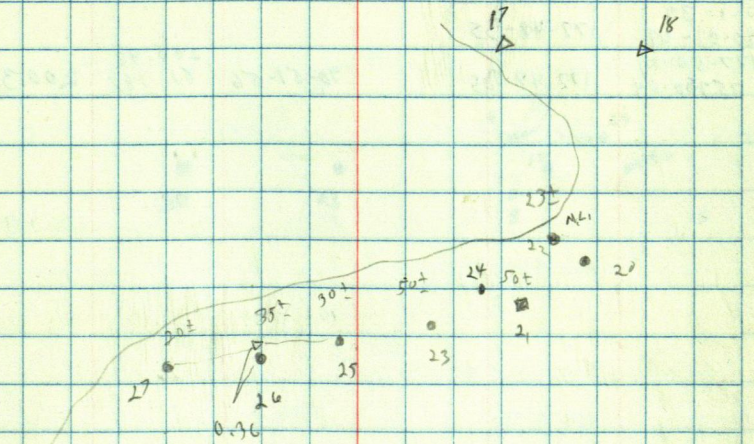


JAY WALDEN

T @	3 BS 2			
0-01-38				
180-01-26	135-09-09			
135-10-39			4244.56	
12 315-10-16	135-08-50	90-08	1293.744	4244.533
135-32-20	135-30-50		1553.84	
11 315-32-	135-30-34	91-52-22	473.543	1552.793
T @	2 BS 3			
0-0-08				
179-59-57	46-00-15			
46-0-23			1165.29	
13 226-0-13	46-00-16	91-05-16	355.182	1165.078
T @	1 BS 2			
0-0-15				
180-0-34	177-23-38			
177-23-53				
14 357-23-58	177-23-24			
T @	14 BS 1			
0-0-07			2704.96	
179-59-49	91-44-32	89-55-32	824.427	2704.787
91-44-39			2713.07	
15 271-44-21	91-44-34	90-04-34	826.945	2713.058
T @	15 BS 14			
0-01-50				
180-01-36	92-56-15			
92-58-05				
16 272-57-50	92-56-14			
T @	16 BS 15			
0-0-52		90-0-33	573.25	
180-0-35	189-12-51		174.73	573.253
189-13-43		91-38-13	1933.17	
17 9-13-30	189-12-55		589.222	1932.359
T @	17 BS 16			
0-0-48				
180-0-39	172-11-50			
172-12-38				
18 352-12-32	172-11-53			
T @	18 BS 19			
0-01-39			869.35	
180-01-26	94-42-57	87-34-17	264.975	868.56
94-44-36			257.63	
17 274-44-21	94-42-55	95-16-20	76.526	256.54



	Δ @ 19 BS 18			
	0-0-15			
	174-59-55	91-36-04		
	91-36-19			
4	271-36-23	91-36-28		
	0-0-58			
	180-0-56	91-36-22		
	91-37-20			
	271-37-6	91-36-10		
	Δ @ 21 BS 20			
	0-1-28		100.93	
	160-01-20	193-49-52	30.764	100.721
	193-51-20		106.11	
23	13-51-17	193-49-51	32.341	105.952
24	21-41-16	201-39-56		13.39
	Δ @ 20 BS 21			
	0-02-30			
		68-54-13		
22	68-56-43		115-37-20	20.03	18.06
	Δ @ 23 BS 17			
	0-02-00		707.97	
	180-01-50	26-35-54	215.787	707.689
	~~226-37-54~~	26-35-55		
	21-206-37-45			
	223-01-11	222-59-11	94-09-45	100.46	
25	43-00-55	222-59-05		30.619	100.193
	Δ @ 25 BS 23			
	0-01-39			
	180-01-23	159-29-36		
	159-31-15		~~109.11~~	
26	339-31-05	159-29-42	33~~.256~~	
	Δ @ 26 BS 25			
	0-0-25			
	180-0-20	183-32-31	91-18-50	109.11	109.08
	183-32-56		75-22-20	105.02	
27	3-32-28	183-32-08		32.005	104.55



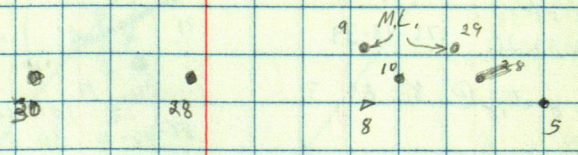
	T @ 17	BS 23			
	0-01-47				
	180-01-40	230-10-32			
	230-12-19				
18	50-12-08	230-10-28			
	T @ 8	BS 5			
	0-01-21				
	180-01-13	182-52-49			
	182-54-10			187.70	
28	2-54-02	182-52-49	90-09-25	57,197	187,676
	356-12-49	356-11-28		200,37	
29	176-12-41	356-11-28	90-41-37	61,075	200,358
	T @ 26				
	0-1-39				
	180-01-49	177-48-35			
	177-50-14			200,42	
30	357-50-24	177-48-35	90-51-56	61.087	200,394

CLDY LT SNOW - WINDY

G; EURO
S; FREDRICK

25°

10-9-67

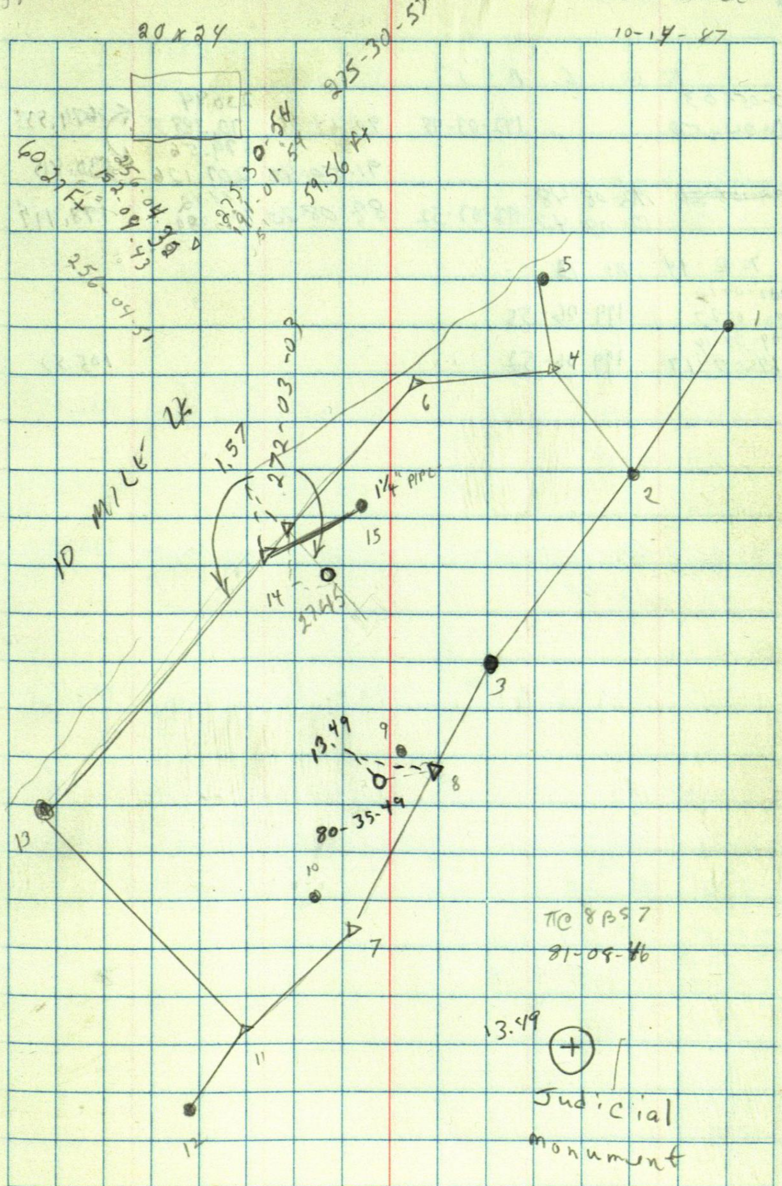


LONG BEACH

⊼ @ 2 BS 1				
00-00-27 180-0-19	179-56-39	89-25-07	176.75' 53.872	176.738
179-57-06 3. 359-56-55	179-56-36	92-41-33	283.87' 86.523	283.554
281-40-48 4. 101-40-35	281-40-21 281-40-16	91-20-54	142.44' 43.415	142.399
⊼ @ 4 BS 2				
0-0-54 180-0-40	194-30-06			
194-31 5 14-30-35	194-29-55	110-06-30	43.09'	40.463
92-42-08 6 272 41-59	92-41-14 92-41-19			
⊼ @ 3 BS 2				
0-05-02 180-04-47	176-48-36			
176-53-38 7 356-53-26	176-48-39			
⊼ @ 8 BS 3				
0-0-15		88-40-10	101.30 30.874	101.269
272-42-48 9	272-42-33			12.97
7		90-16-44	211.47 64.456	211.467
⊼ @ 7 BS 3				
0-01-19 180-01-32	194-11-29			
194-12-48 11 14-12-55	194-11-23			
⊼ @ 11 BS 7				
0-01-36 180-01-21	186-15-14	90-13-40	204.67 62.385	204.67
186-16-50 12 6-16-30	186-15-09			62.03
251-10 13 71-09-46	251-08-24 251-08-25	90-11-29	191.86 58.479	191.858
⊼ @ 13 BS 6				
0-0-35 180-0-35	79-47-05			
79-47-40 11 259-47-54	79-47-19			

E. CURB
S. FREDRICK
10-14-87

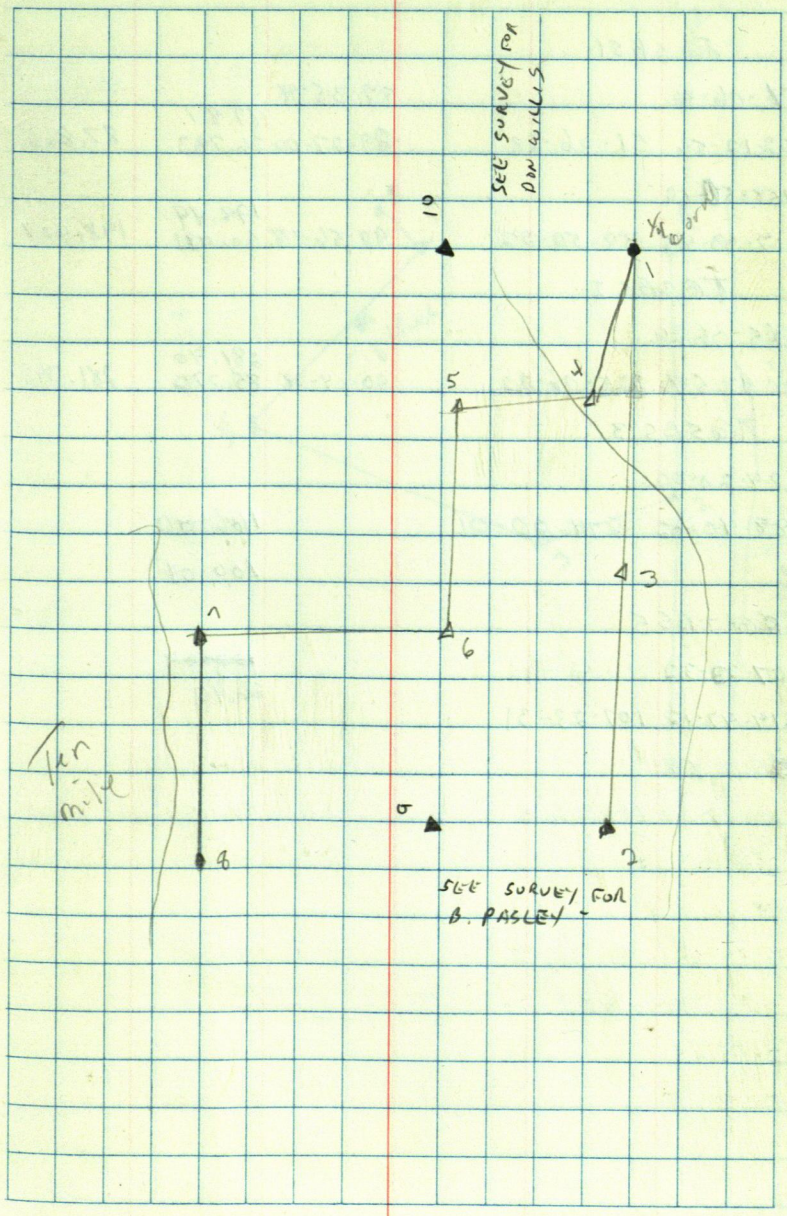
OLD Y
51'



⊼ @ 6		BS 13			
0-05-03				220.94	
180-04-50		192-03-45	90-24-35	70.388	679.533
				679.56	
14			91-50-45	207.126	230.815
~~87-08-20~~	192-08-48			178.42	
4	12-08-42	192-03-52	87 08-20	54.381	178.194
⊼ @ 14	BS 13				
180-0-19					
180-0-27	199-06-55				
199-07-14					
15 19-07-19	199-06-52				105.50

Sherman Fulton

	@ 2 BS 1					
				90-09-13	2598.30 791.966	2598.286
					1745.56	
3.				90-14-15	532.047	1745.538
4.	@ 1 BS 2					
	06-02-20					
4	12-04-41	06-02-20		89-35-18	257.26 87.556	287.249
	@ 4 BS 1					
	242-04-50					
5	124-09-31	242-04-45		90-35-20	832.71 253.810	832.662
	@ 5 BS 4					
	93-36-39					
6	187-12-58	93-36-29		90-26-28	356.75 108.738	356.739
	@ 6 BS 5					
	228-21-33					
7	196-43-12	278-21-31		90-34-16	303.69 92.562	303.669
	@ 7 BS 6					
	88-37-48					
8	177-15-14	88-37-37		91-17-12	100.80? 30.722	100.771
	@ 2 BS 1					
	0-00-00					
	179-59-50					
	269-24-18					
9	89-24-07	269-24-17				
	@ 1 BS 2					
	0-00-04					
	180-00-00	90-35-11				
	90-35-15					
10	270-35-16	90-35-16				



Pat Spain

π@2BS1

5	1-06-36		89-35-48	
3	102-12-54	51-06-28	89-27-00	87.87 26.783 87.866
	158-50-10			
4	317-40-45	158-50-22	90-56-18	198.49 60.481 198.407

π@3BS2

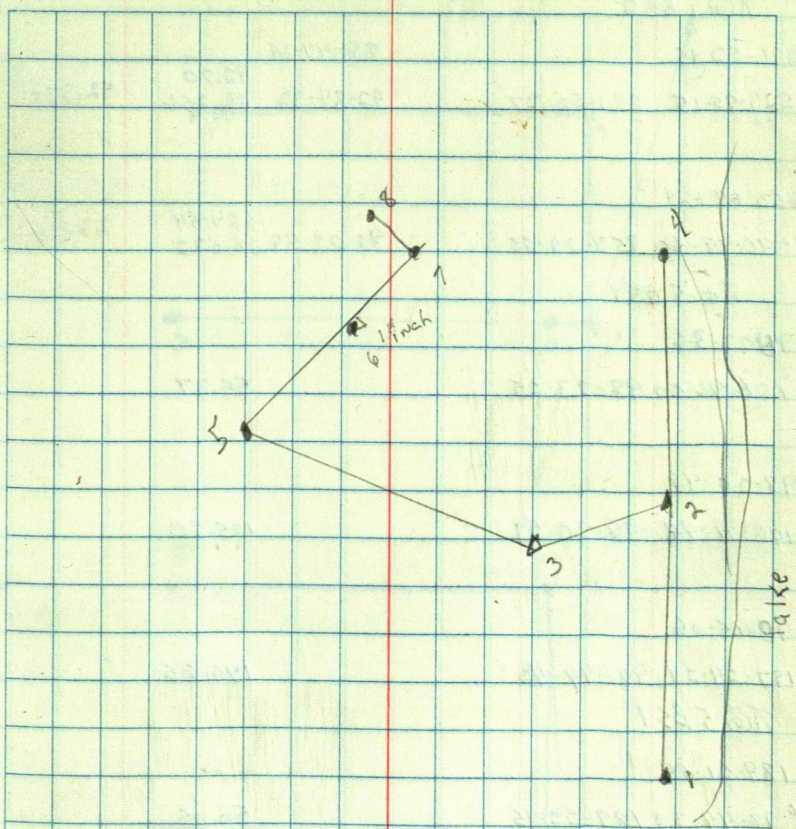
	225-06-24			
5	90-12-54	225-06-22	90-14-38	281.40 85.772 281.398

π@5BS3

	274-20-00			
2	188-40-02	274-20-01		166.00
6				160.09

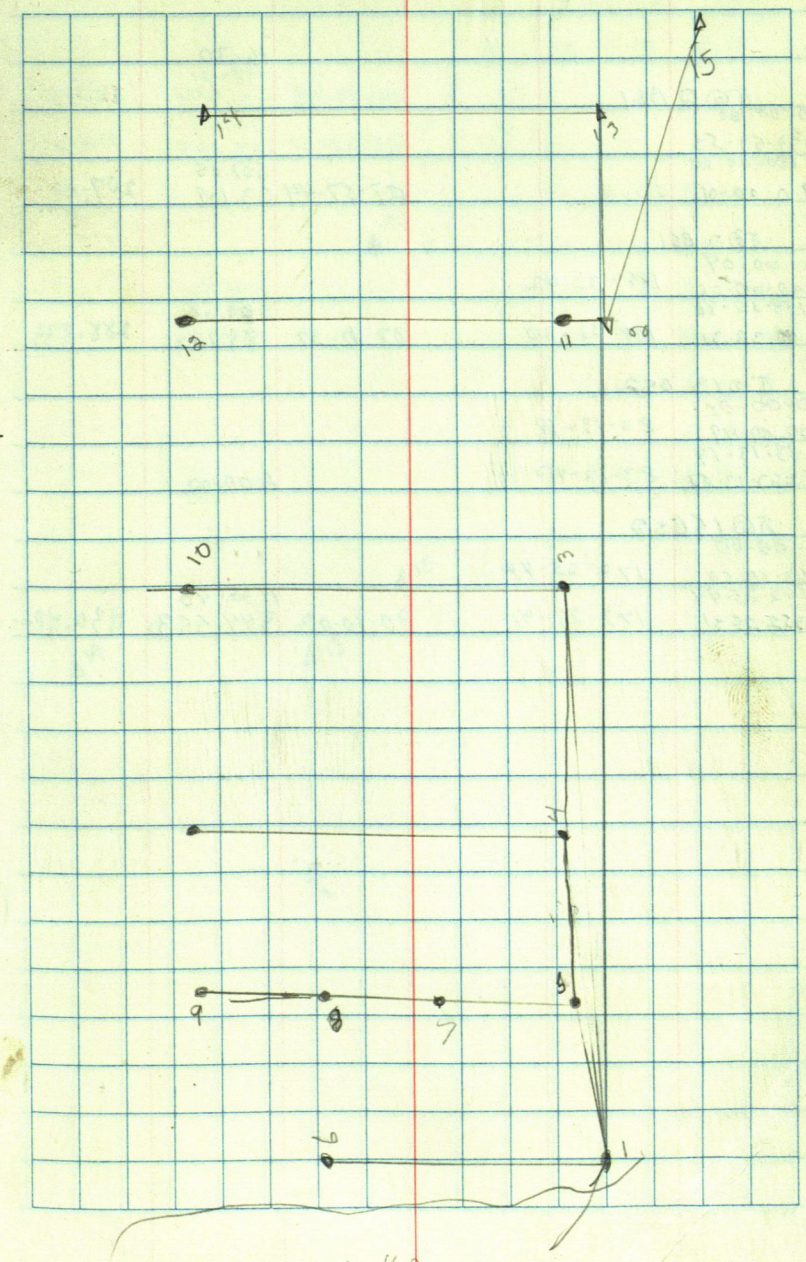
π@7BS5

9	107-23-32			~~100.04~~
7	8 214-47-12	107-23-31		26.90

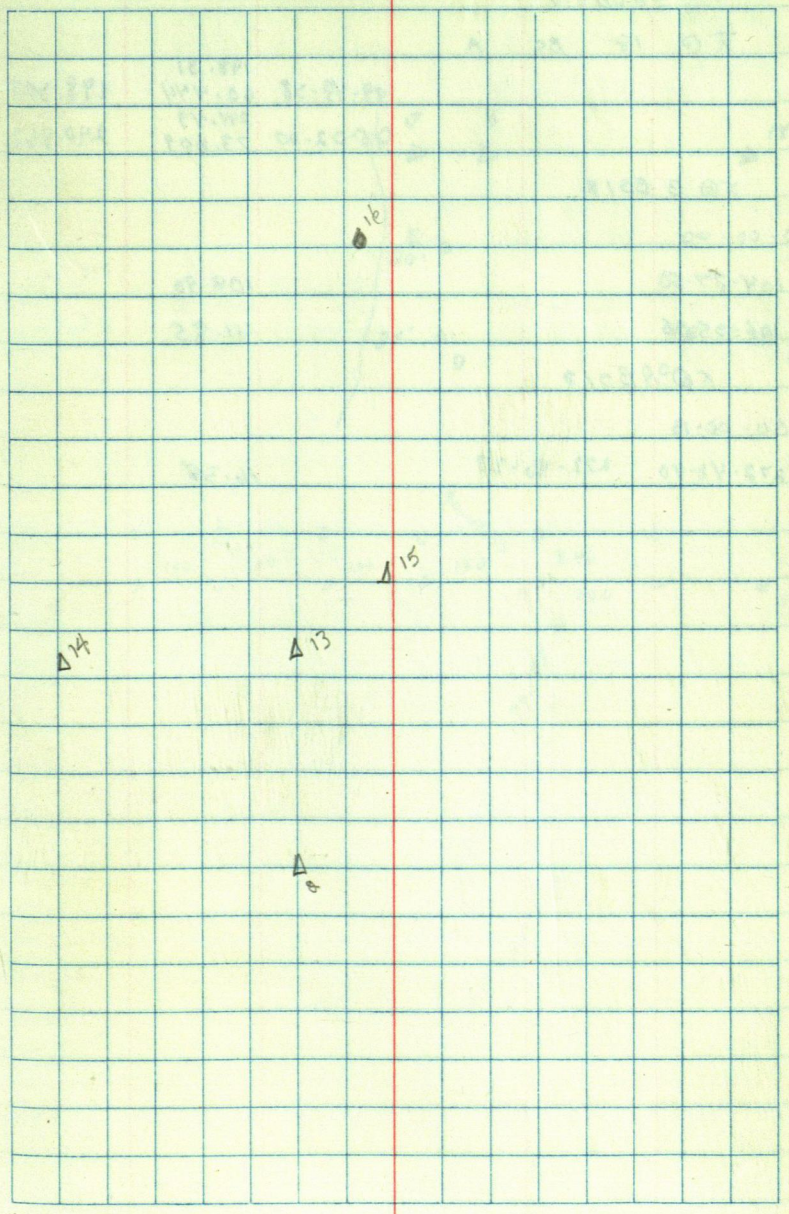


Robert Green

	T@1 BS2				
	291-52-15		88-44-24		
B	223-45-15	291-52-37	92-34-32	92.70 28.256	92.977
	353-24-24				
5	346-48-50	353-24-25	89-09-49	224.84 68.532	224.816
	T@5 BS1				
	98-23-36				
7	196-46-50	98-23-25		55.37	
	98-20-47				
8	196-41-48	98-20-54		105.20	
	98-45-06				
9	197-29-24	98-44-42		149.65	
	T@5 BS1				
	189-21-54				
11	18-44-30	189-22-15		50.05	
	T@5 BS1				
	188-26-50				
7	16-53-18	188-26-39		150.02	
	T@ 3 BS 5				
	90-01-15				
10	180-02-20	90-01-10		150.40	
	T@2 BS1				
	0-00-00				
	179-59-40				
	91-48-12				
12	271-48-06		89-12-40	216.16 65.885	216.378



4.				16.30	
	Δ@2 BS1				
	0-00-00				
	179-59-53				
	180-00-20			207.05	
13	0-00-01		87-57-44	63.109	207.01
	Δ@2 BS1				
	0-00-04				
	180-00-01	188-32-42			
	188-32-46			289.05	
15	8-32-31	188-32-30	87-47-37	98.103	285.1835
	Δ@13 BS2				
	0-00-01				
	179-59-49	83-13-18			
	83-13-19				
14	263-13-05	83-13-17		200.00	
	Δ@15 BS2				
	0-00-00				
	179-59-50	172-25-44			
	172-25-44			1130.40	
16	352-25-31	172-25-41	90-10-03	344.553	1130.402



JAY WALDEN

T@ 18 BS A

		198.31	
	89-49-38	60.444	198.307
B		241.49	
	95-02-00	73.609	240.562

T@ B BS 18

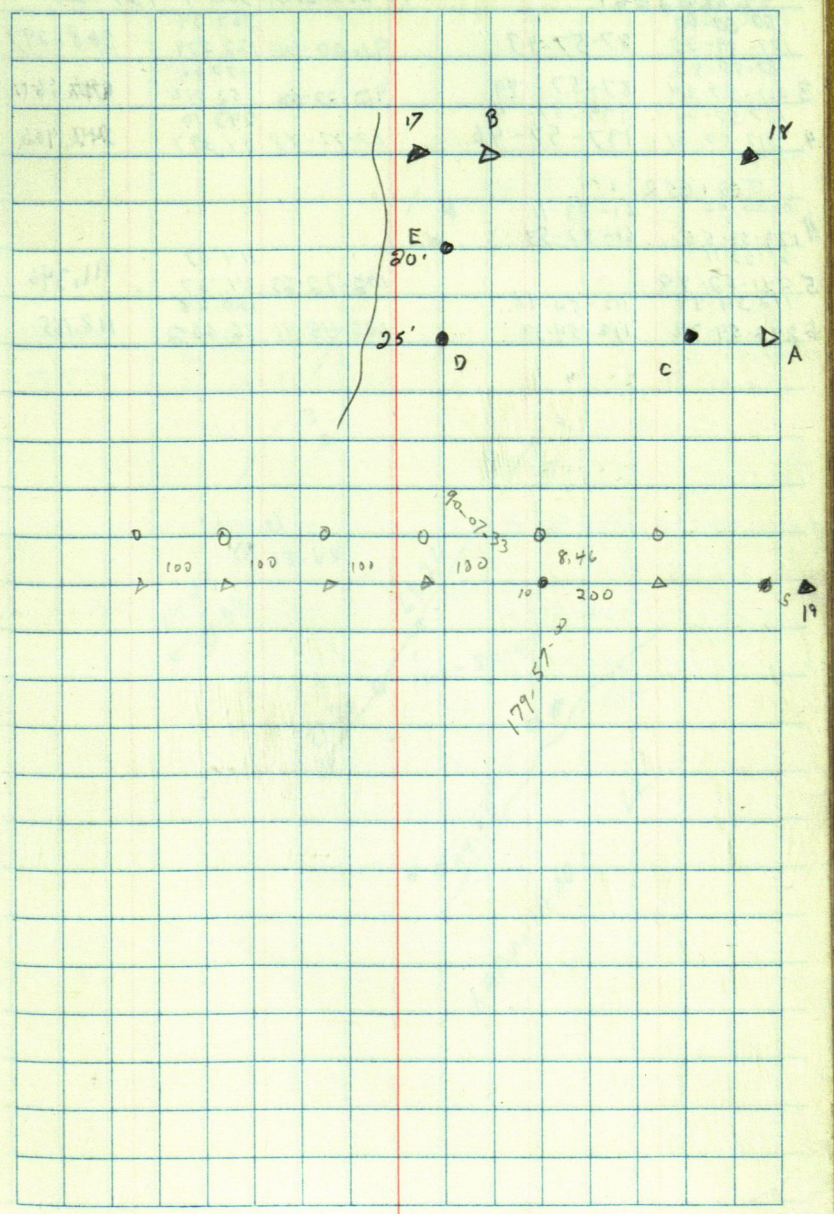
0-00-00

D	104-27-50		108.90
E	106-35-56		41.85

T@ A BS 18

00-00-13

C	272-46-40	272-46-27	16.38



OWEN JONES & WAYNE ENGSTROM

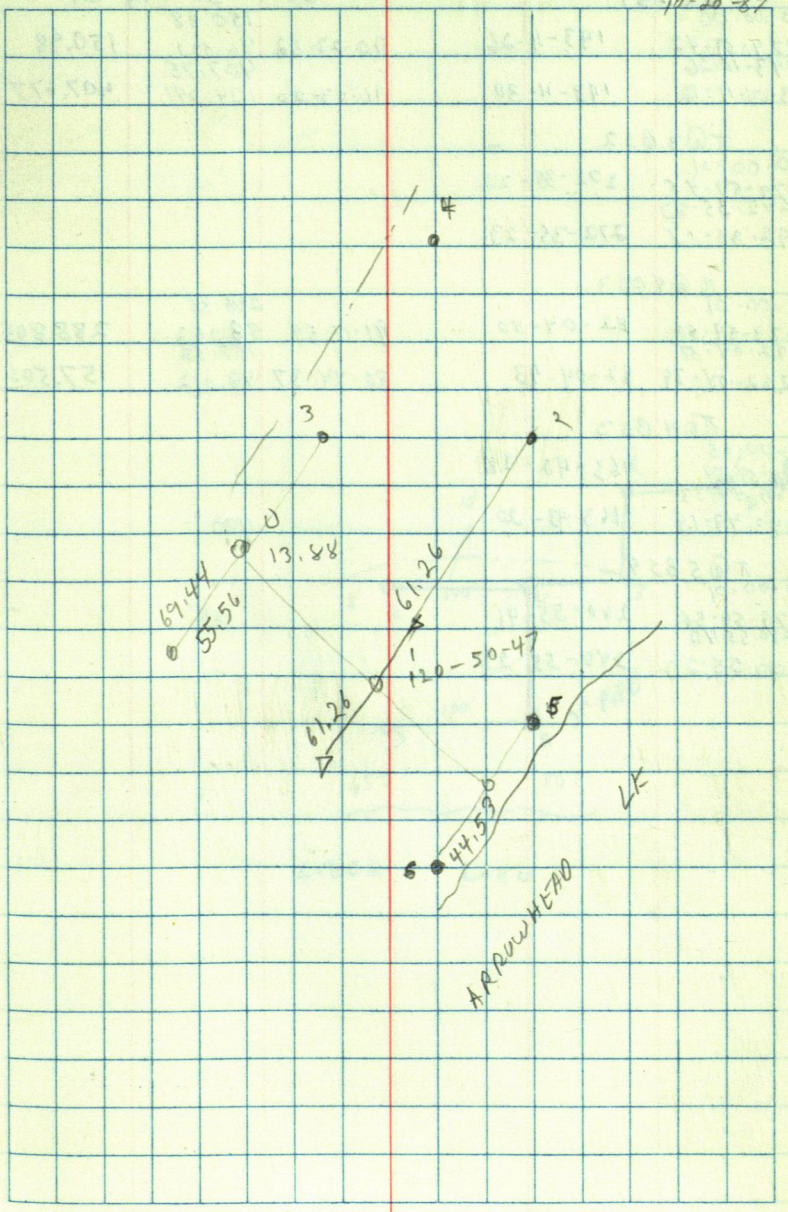
PT AUD. SUB, SEC 4-137-28

	K@2 BS1				
	00-00-00			368.34	
	179-59-35	87-57-43	91-00-00	122.274	368.297
	87-57-43			170.66	
3	267-57-24	87-57-49	90-23-28	52.016	170.661
	137-57-41	137-57-41		243.10	
4	317-57-41	137-57-46	67-42-48	74.097	242.906
	T@1 BS2				
	0-00-00	61-53-11			
	179-59-55	61-52-53			
	61-53-11			114.07	
5	241-52-48		102-32-23	34.767	111,346
	112-54-49	112-54-48		180.28	
6	292-54-28	112-54-37	100-45-41	36.662	118.165

COLD - CLOY - SNOW

E. CURD
T. MUELLER
S. FREDRICK
10-20-87

46



GEORGE GAGOLA

GL 2-30-144-29

π@2 BS1

0-00-00
179-59-42 143-11-26 90-23-52 46.021 150.98
143-11-26 150.98
3 323-11-12 143-11-30 91-03-20 124.291 407.677
407.75

π@3 BS2

0-00-01
179-59-48 272-35-22
272-35-23
4 92-35-11 272-35-23

π@4 BS3

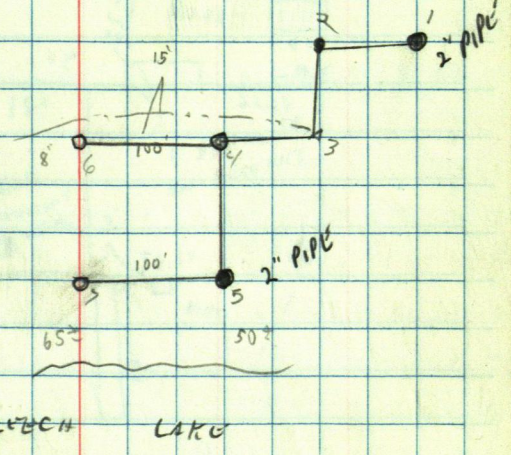
0-00-01
179-59-56 82-04-50 91-15-54 288.88 288.805
82-04-51 157.52
5 262-04-39 82-04-43 90-44-37 48.012 157.501

π@4 BS3

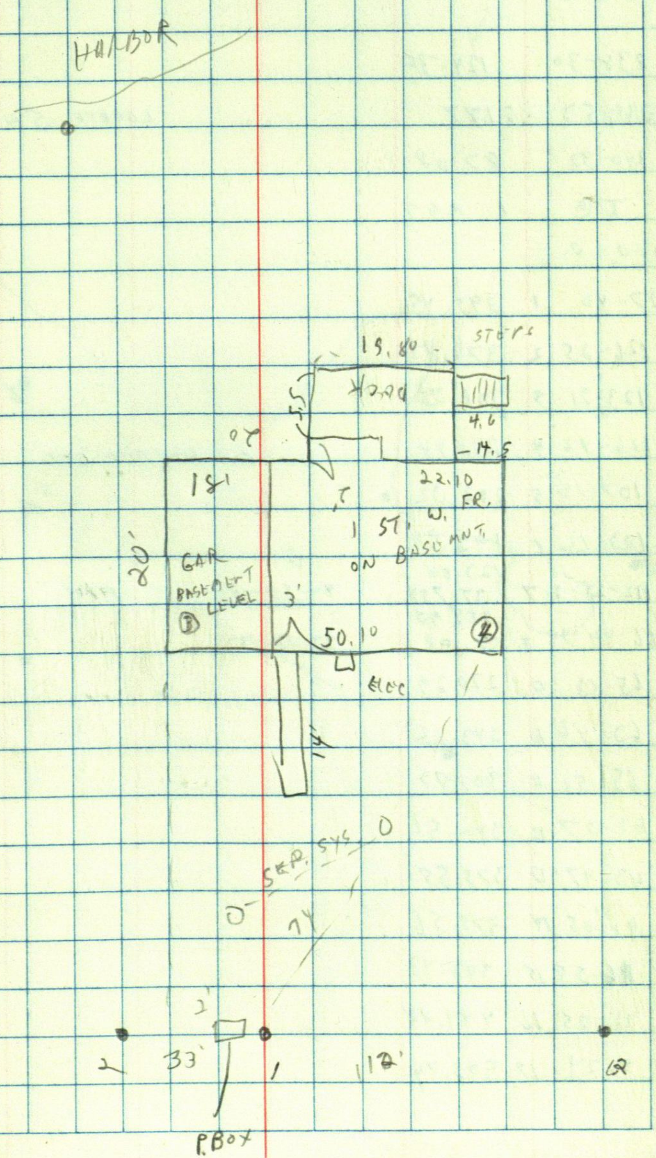
0-00-05
179-59-54 163-42-28
163-42-33
6 343-43-19 163-43-20 100'

π@5 BS4

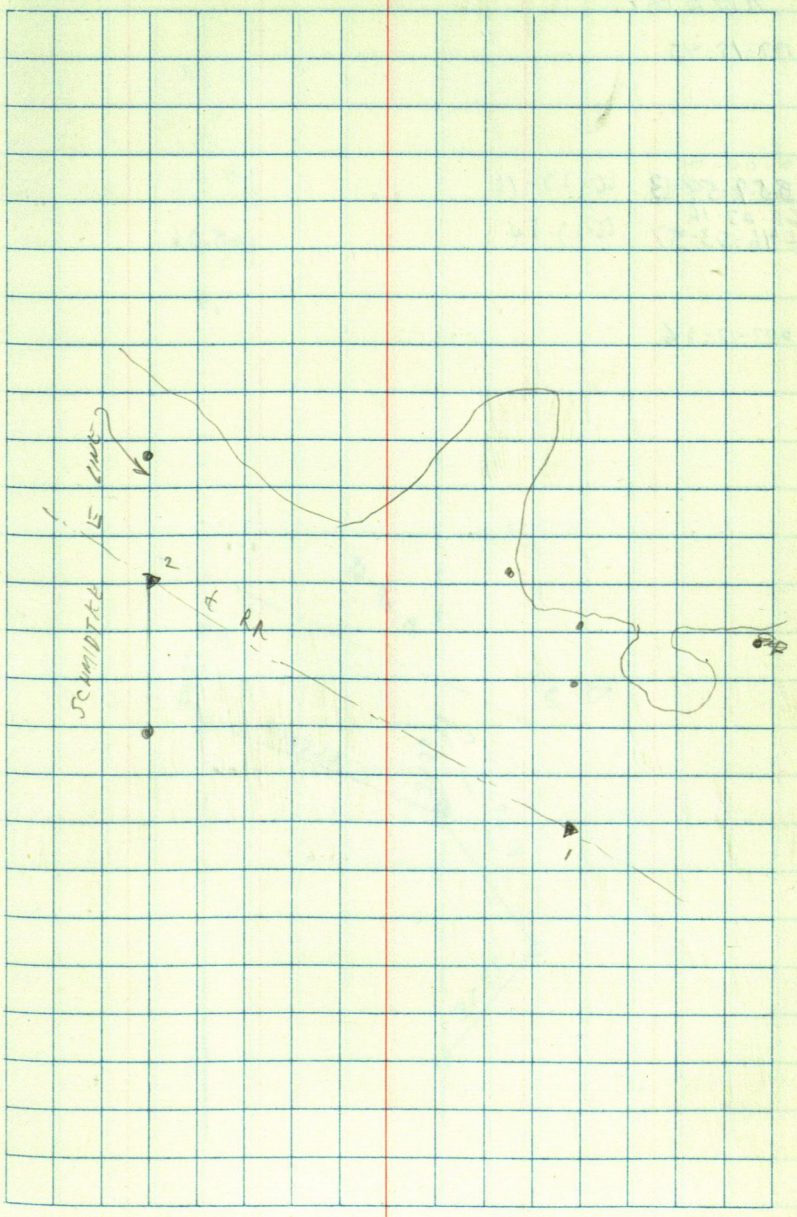
0-00-01
179-59-56 280-55-41 100'
280-55-42
7 100-55-20 280-55-22



⊼ ⓪	1 BS	2	
0-0-03			
3 ③ 103-25-36			93.47
④ 131-49-25			105,10



	A @ 0-0-0	2	85	1	
A	238-30		124.35		
B	261-53		81.77		LOCATE SHORE
C	340-32		87.08		
	A @ 0-0-0	1	852		
D	127-40	1	393.45		
E	126-25	2	376.81		
F	123-21	3	306.75		
G	116-42	4	238.44		← HARBOR ENT.
H	107-10	5	202.32		
I	103-12	6	192.54		
J	112-23-47		123.88 37.754 18.95	94-50-54	PIPE
K	66-44-35	8	57.898	93-02-33	
L	65-13	9	220.29		
M	63-46	10	243.22		
N	65-51	11	307.73		
O	63-37	12	340.51		
P	43-47	13	375.55		
Q	41-05	14	375.56		
R	16-55	15	398.43		
S	11-05	16	444.88		
T	5-24	17	505.74		



CHUCK ROBINSON

π @ Δ BS1

187-19-42

0-00-00

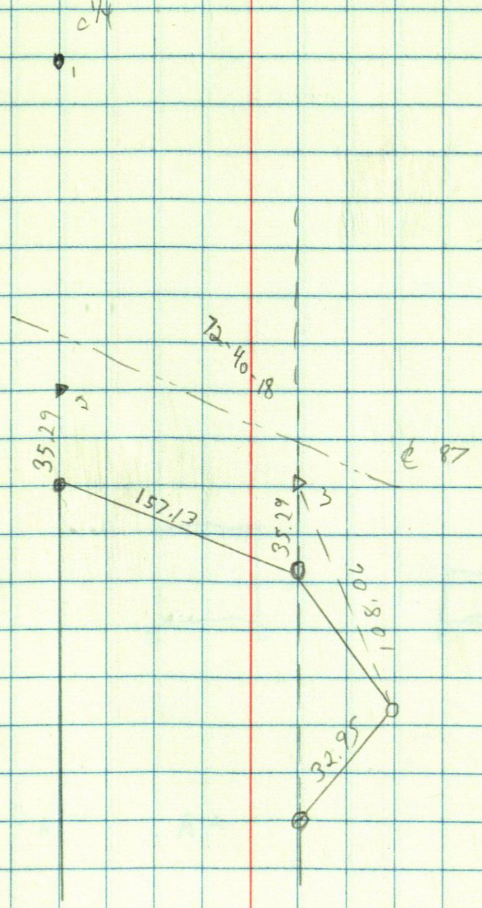
359-59-43 66-23-16

66-23-16

246-23-37 66-23-54 108.06

207-17-36

108.06



T@ ABSB

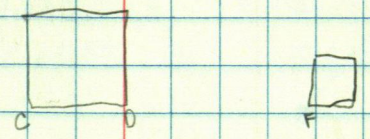
0-00-01

C 89-00-11

D 96-33-48

F 108-15-25

914.28
65.313
819.42
66.879
281.35
85.755



B A

A A

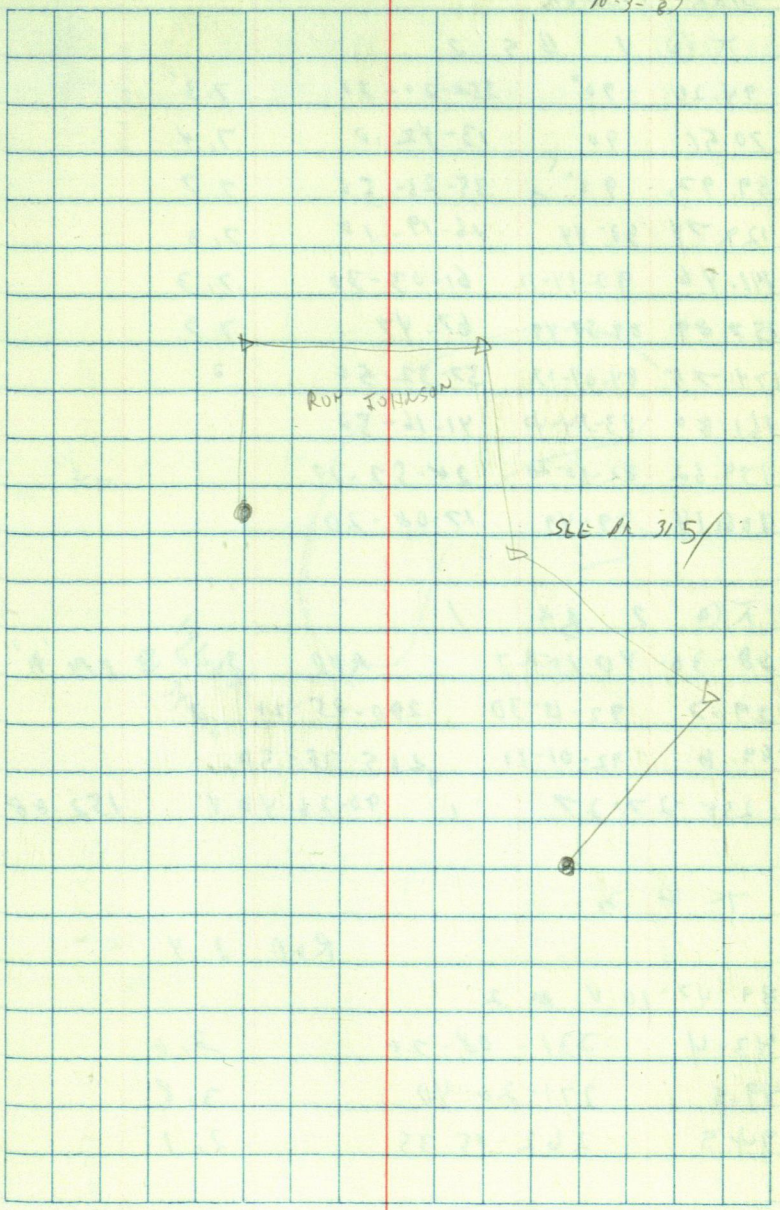
BOD WENZEL

0-0-01				
179-59-50	313-08-32			
313-08-33			557.44	
133-05-18	313-08-19	87-28-52	169.909	556.901

CLR & HAZY 50°

52

10-3-87



DIRK FISHER

π @ 1 BS 2

A	94.20	90°	356-20-50	7.3'
B	70.51	90	13-42-0	7.4
C	89.93	90°	35-26-50	7.7
D	129.74	90-44	46-19-10	7.3
E	141.46	90-14-10	61-03-30	7.3
F	157.89	89-59-49	67-47	7.3
G	174.75	84-04-15	57-32-50	?
H	161.80	83-54-40	41-16-50	
I	139.62	82-10-20	24-53-40	
J	106.14	79-49	17-08-20	

π @ 2 BS 1

88-36-40 VERT ROD 3.00 @ BM "A"

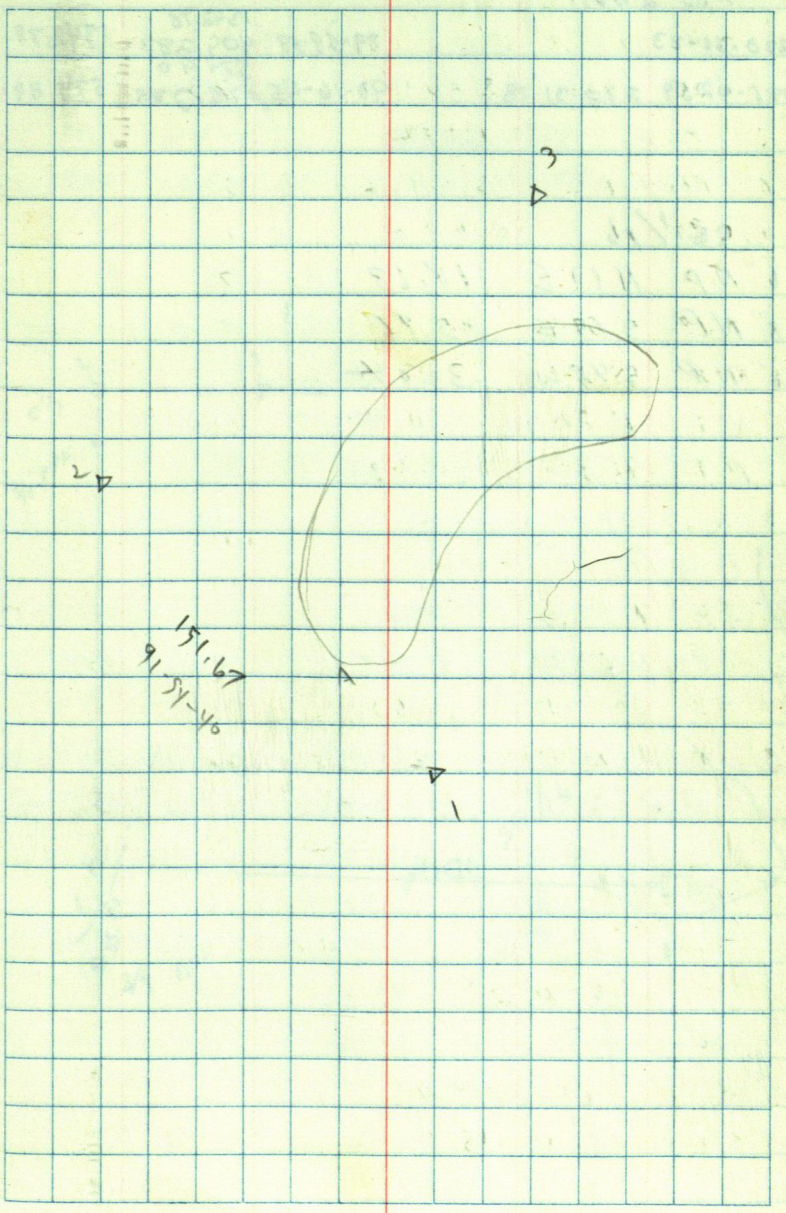
K	29.7	92-15-30	290-05-20	3'
L	69.6	92-01-10	265-35-50	
3	258.27		90-26-40 V	152.88

π @ 3

ROD 3.4

89-47-10 V on 2

43.4	331-08-20	3.6
49.5	271-26-40	3.8
94.5	262-05-35	2.1



DIR: FISHER

T @ 1 BS 2

A	94.20	90°	356-20-50	7.3'
B	70.51	90	13-42-0	7.4
C	89.93	90°	35-26-50	7.7
D	129.74	90-44	46-19-10	7.3
E	141.46	90-14-10	61-03-30	7.3
F	157.89	89-59-49	67-47 .	7.3
G	174.75	84-04-15	57-32-50	?
H	161.80	83-54-40	41-16-50	
I	139.62	82-10-20	24-53-40	
J	106.14	79-49	17-08-20	

T @ 2 BS 1

88-36-40 VERY ROD 3.00 @ BM "A"

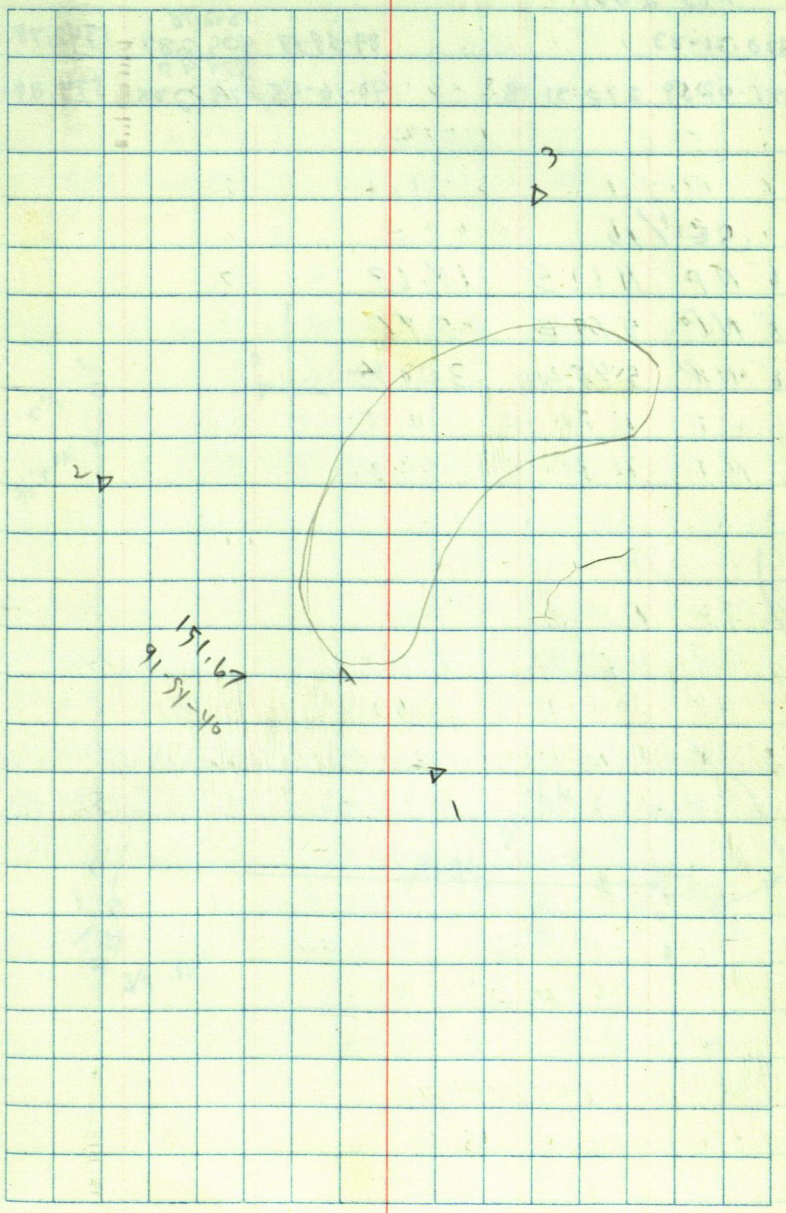
K	29.?	92-15-30	290-05-20	3'
L	69.6	92-01-10	265-35-50	
3	258.27		90-26-40 V	152.88

T @ 3

ROD 3.4

89-47-10 V on 2

43.4	331-08-20		3.6
49.5	271-26-40		3.8
94.5	262-05-35		2.1

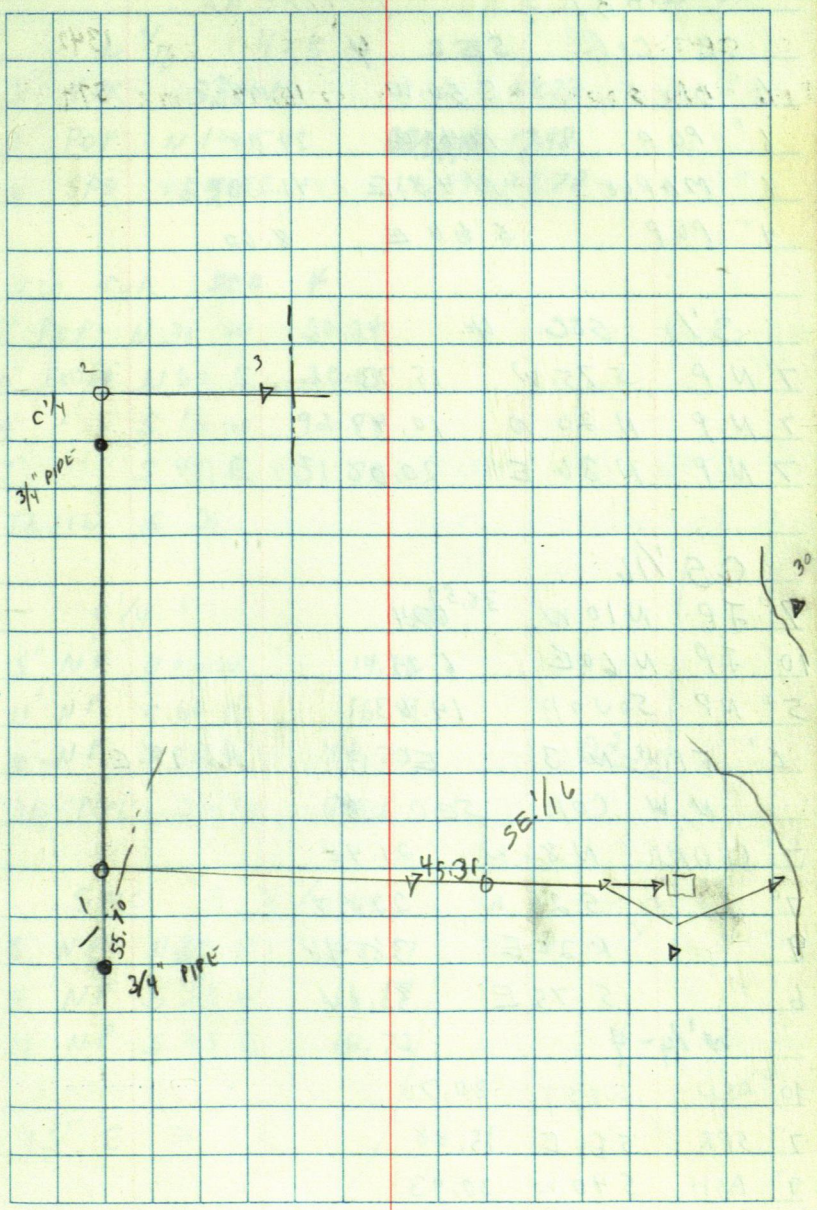


T@ 2 B51

270-31-33		89-59-54	1342.78 409.283 574.90	1342.78
3 181-02-59	270-31-28	90-16-45	175.238	574.891

SE 1/16

16" NP	N10E	18.63
18" NP	S15E	5.46
10" NP	S45W	30.04



11-25-87

BTS 4 149-R6

SE COR SEC 4

6" BAL50M	S 50 W	15,94
6" POP	N 45 W	24.08
6" MAPLE	N 48 E	41.33
4" POP	S 60 E	8.60

S 1/4 SEC 4

7" NP	S 25 W	15,73
7" NP	N 20 W	10,43
7" NP	N 36 E	20,00

C S 1/16

7" IP	N 10 W	38,59
10" IP	N 60 E	6.24
5" NP	SOUTH	14.63
8" FP	N 3' E 3'	Rd 18' E

NW COR SEC 4

7" CEDAR	N 80 W	21,48
7" "	S 20 W	22,97
9" "	N 20 E	38,48
6"	S 75 E	36,64

W 1/4-4

10" ASH	WEST	30,70
7" SPR	S 50 E	15,88
9" ASH	S 40 W	30,93
SN W 3,2	S 2.81	

N 1/16 4-5

7" SPR	S 30 W	19,60	28,73
8" POP	N 10 E		17,48
6" SPR	S 20 E	14,59	24.78

SW COR SEC 4

5" POP	N 30 W	20,24
16" CEDAR	N 60 E	20,13
14" "	S 16 W	92,44
7" "	S 45 E	51,70

TRAIL S 35'

C 1/4

5" NP	N 22 W	14,16
11" NP	S 60 E	16.41
4" NP	S 50 W	18,73
3/4" PIPE	SOUTH	6.56

Q 2,94

282-15-12

SMC E-W 1/4 LN

8" NP	N 50 W	23,50
4" NP	S 20 W	16.17
10" NP	S 45 E	16,72

25' E TO LK

12-3-67

SMC S 1/16 LW

SW COR	CONC. BLK SHED 6x8	N26E	5.54		
SE COR	PO	N 60 W	34.86		
10" IP		S 20 W	26.44	~~33.86~~	

⊼ @	1 BS	2			
0-0-47				639.64	
180-0-48	58-50-09		49-49-45	194.962	639.634
58-50-56				391.37	
3 238-51-01	58-50-13		89-25-41	119.29	391.35

N 1/4 COR SEC 4 149-26

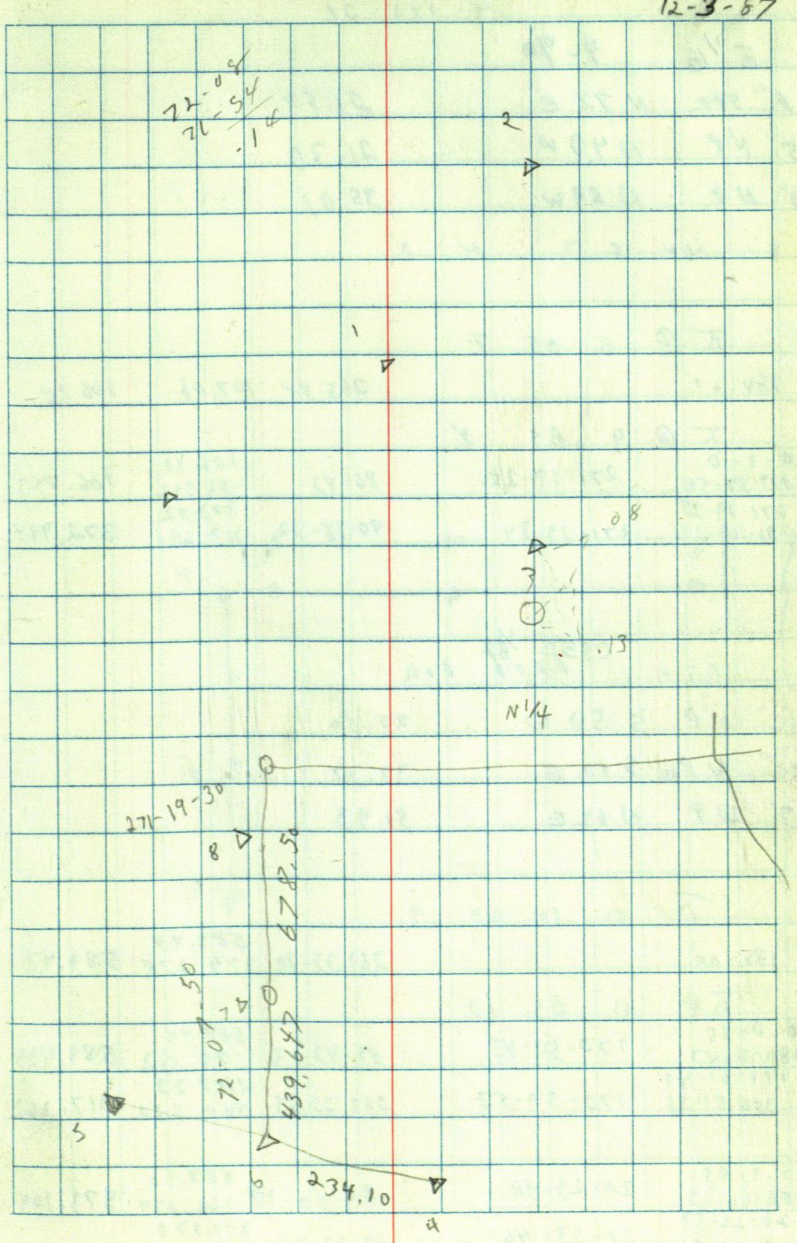
8" WO	WEST	29.17		
4" WO	N 10 W	28.91		
10' WO	S 50 E	46.70		
SIGN	3' EAST			

⊼ @ 6 BS	5				
0-0-21				201.71	
180-0-16	71-54-02		90-11-03	61.481	201.708
71-54-23				430.97	
7 251-54-23	71-54-07		89-57-53	131.359	430.967

⊼ @ 6 BS	7				
0-0-16					
180-0-06	288-05-44		~~90-11-13~~		
288-06					
5 108-06	288-05-54				

⊼ @ 7 BS	6				
0-0-04				431.09	
180-0-09	180-14-00		90-34	131.387	431.045
180-14-04				580.44	
8 0-14-10	180-14-01		89-46-50	176.818	580.433

⊼ @ 7 BS 8



4-179-26

E 1/16 4-90

6" SSR	N 72 E	21.57	
5" NP	N 40 W	21.30	
10" NP	N 89 W	35.01	
8" SSW	S 3'	N 3'	

TC & BS 7

9	180-00	265-48	107.06	106.75

TC 9 BS 8

	0-0-0			
	179-57-58	271-19-25	86-43	106.93 32.592
	271-19-25			373.02
10	91-19-22	271-19-24	90-38-32	113.696

106.753

372.994

CSBE 1/64 PROP COR

BTS

12" NP	S 50 W	22.50	
10" NP	S 10 E	37.37	
9" WP	N 62 E	31.93	

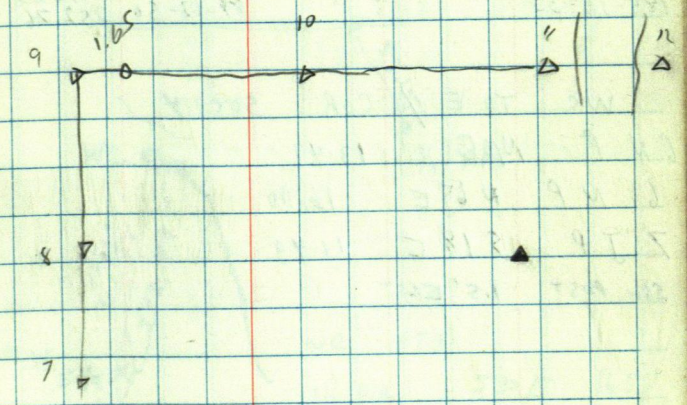
TC 10 BS 9

11	180-00	269-32-10	589.49 179.678	589.47

TC 11 BS 10

	0-0-55			
	180-0-47	170-50-45	89-43-12	589.44 179.663	589.433
	170-51-40			1117.33
12	350-51-36	170-50-53	269-23-25	340.582	1117.262

	0-1-05			873.16
	180-01-05	20-25-48	89-22-17	266.139	873.104
	20-26-59			340.576
	200-26-51	20-25-46	89-26-48	1117.37	1117.316



12-4-87

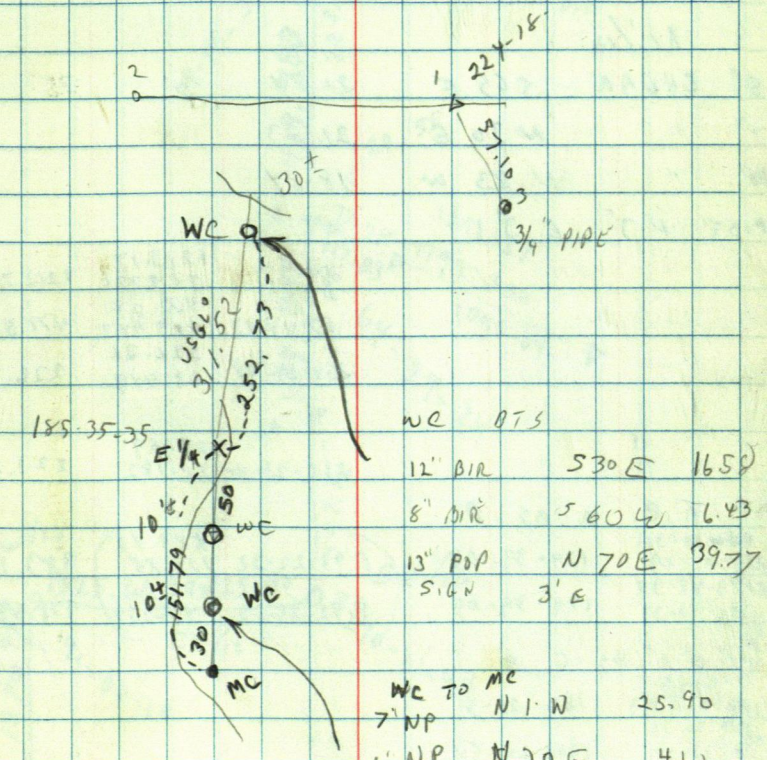
SEC 4 - 149 - 26

BT S SMC SSSE 1/64 LN
5" SPR S 83 E 12.20
10" BALSOM SOUTH 16.10
5" NP S 30 W 34.17

T @ 1 BS 2
224-18-54
3 88-37-30 224-18-45

T @ 1/4 BS MC
185-35-35 89-02-50 77.043 252.76 252.727

WC TO E 1/4 COR SEC 4
6" NP N10E 13.42
6" NP N65E 16.00
7" IP S18E 11.49
SGN POST 1.5' EAST



WC BTS
12" BIR S30E 16.50
8" BIR S60W 6.43
13" POP N70E 39.77
SIGN 3' E

WC TO MC
7" NP N1W 25.90
6" NP N20E 4.61
9" NP SOUTH 2.91
SIGN 2.3 E

SEC 27 T60 R27

		88-37-06	1095.35 337.862	1095.026

NW 1/16

BTS

14" BIRCH	N 50 W	38.36	
5" ELM	NORTHE	23.42	
10" ASH	S 75 E	6.30	
8' STEEL POST	W 3'	S 3'	

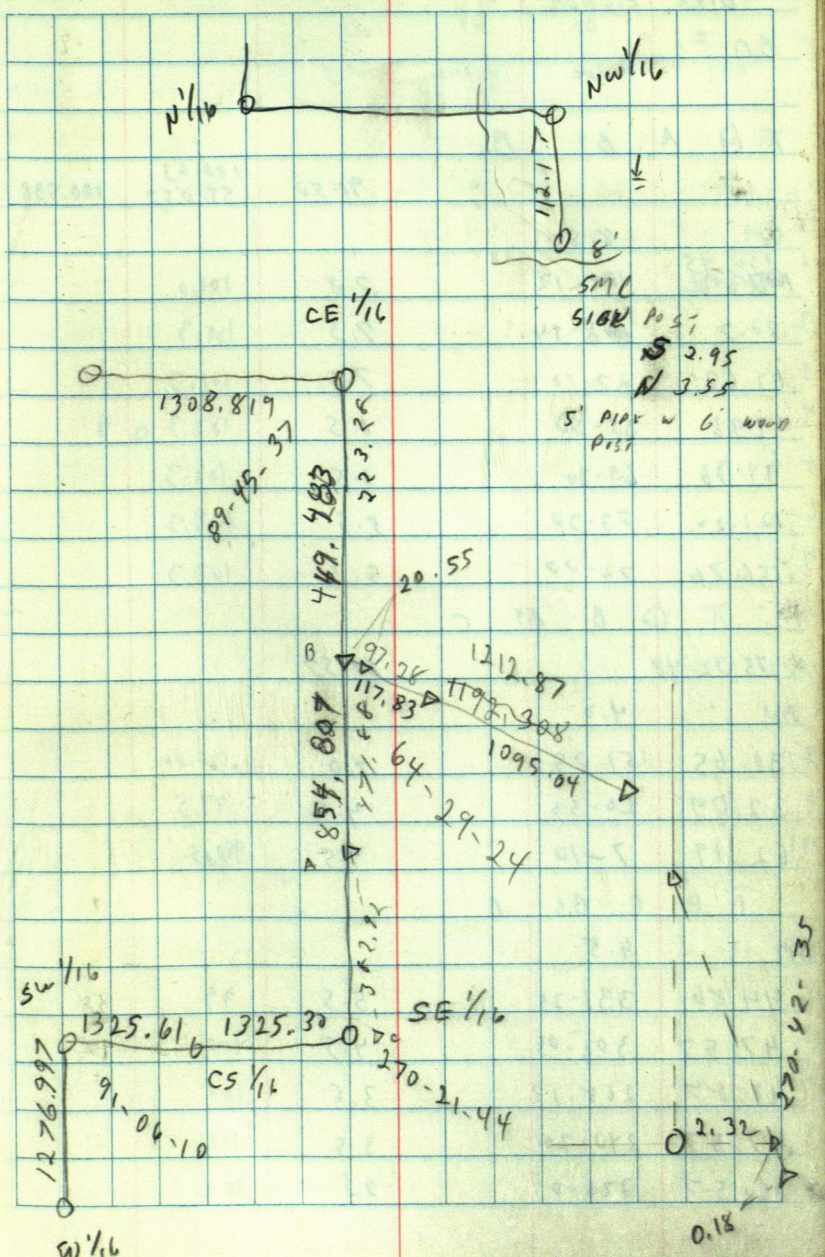
N 1/16

8" CEDAR	S 65 E	21.54	
7" "	N 30 E	21.33	
10" "	N 83 W	18.84	
POST	N 3'	E 3'	

	88-27	1213.17 369.776	1212.723
	87-44-12	472.25 143.943	471.882
	264-24-48	226.22 68.949	226.203
	266-25-40	223.69 68.162	223.25

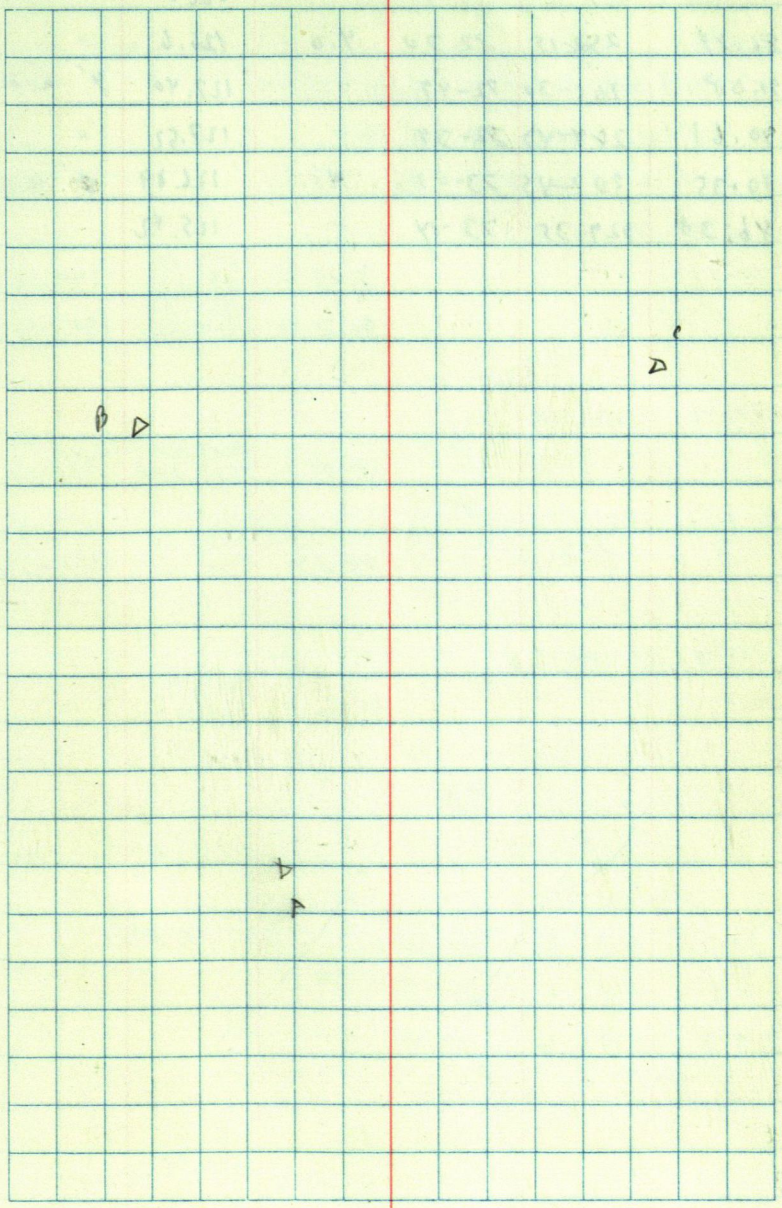
TREE	A.BS	B		
0-0-30 180-01-29	179-39-08	C	92-22-32	383.46 116.88	383.131
179-40-38 C 359-40-33	179-39-04	B	92-25-23	472.30 149.957	471.88

TREE	A.BS	C	
0-0-45 180-0-44	180-20-51		
180-21-32 B 0-21-37	180-20-50		



DIRK FISHER

	BS	HI		
BM ±1				
DIST	H ANG	V. ANG	ROD	
☆ @ A	BS	B		
			91-50	180.63 55.057 180.538
BM	8.8			
1 130.95	108-12		7.8	101.0
2 80.7	8-54		7.5	101.3
3 62.62	27-10		7.5	101.3
4 69.96	55-50		6.5	102.3
5 94.36	69-30		6.5	102.3
6 121.20	73-30		5.5	103.3
7 156.76	72-00		5.5	103.3
☆ @ B	BS	C		
A 75-32-48			84-57	
BM	4.0			
8 30.65	51-05		4.0	100.00
9 32.09	20-30		4.5	99.5
10 62.19	7-10		4.5	99.5
☆ @ C	BS	B		
BM	4.5			
11 44.86	331-25		5.5	99
12 47.57	302-05		4.5	100
13 48.87	268-10		3.5	101
14 47.57	240-20		3.5	101
15 78.57	226-0		2.5	102



				ELEV	
16	86.84	252-15	72-30	4.0	126.6	
17	91.08	265-30	72-49	"	127.40	4' WIDE
18	90.61	284-43	72-39	"	127.52	"
19	90.35	304-45	73-01	4'	126.84	8' WIDE
20	86.38	329-35	73-14	"	125.42	

27-60-27

CE 1/16 BT 5 12-10-87

8" BASSWOOD N 80 W (dead) 23.23

6" MAPLE N 2 W 9.86

5" MAPLE N 70 E 23. 6.21

T @ B BS A

180-10	91-29-45	294.17 89.662	294.067
C	90-35-06	658.07 200.583	658.034

T @ C BS B

D	89-32	722.65 220.264	722.623
	88-55	373.74 113.916	373.672

T @ E BS F

271-42-35	91-06-42	410.34 125.072	410.262

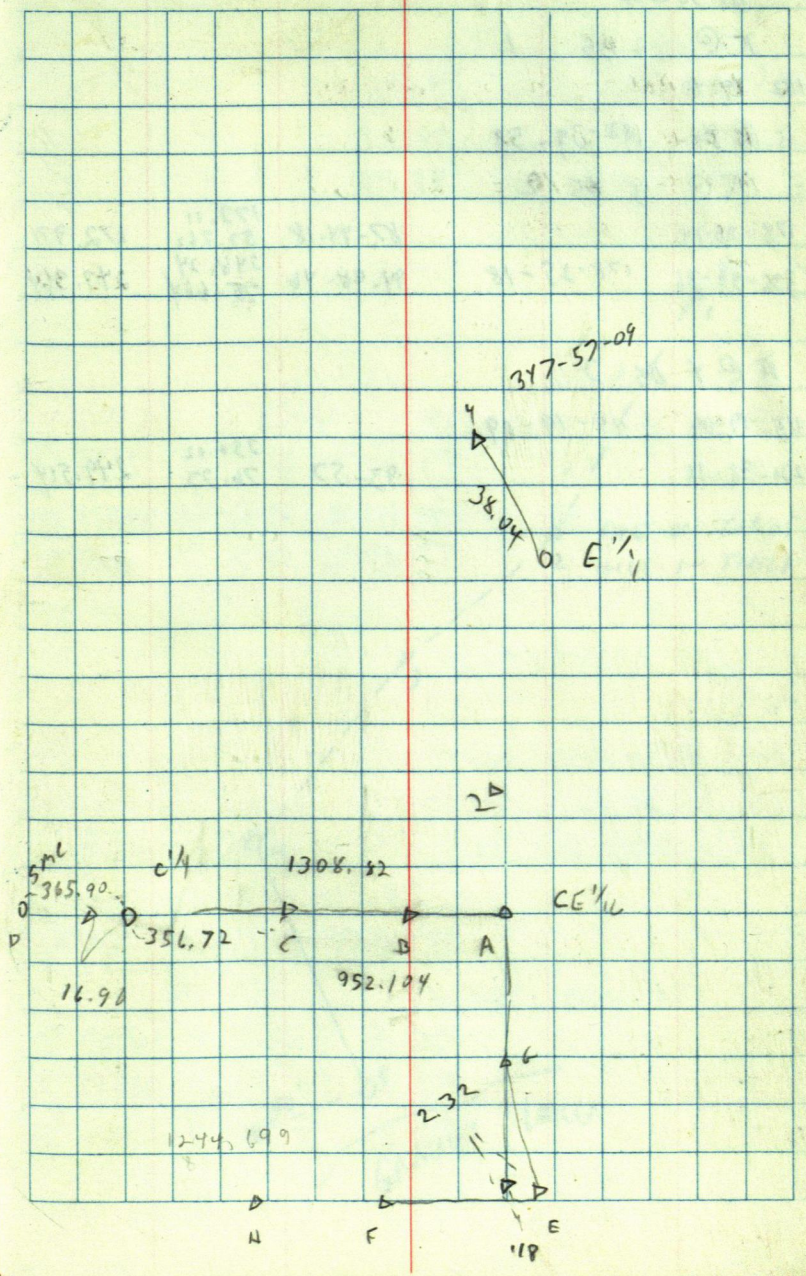
F

BT SE 1/16 12-10-87

10" SPR	N 23 E	31.28	
14" NP	S 87 E	22.73	
12" SPR	S 55 W	18.45	

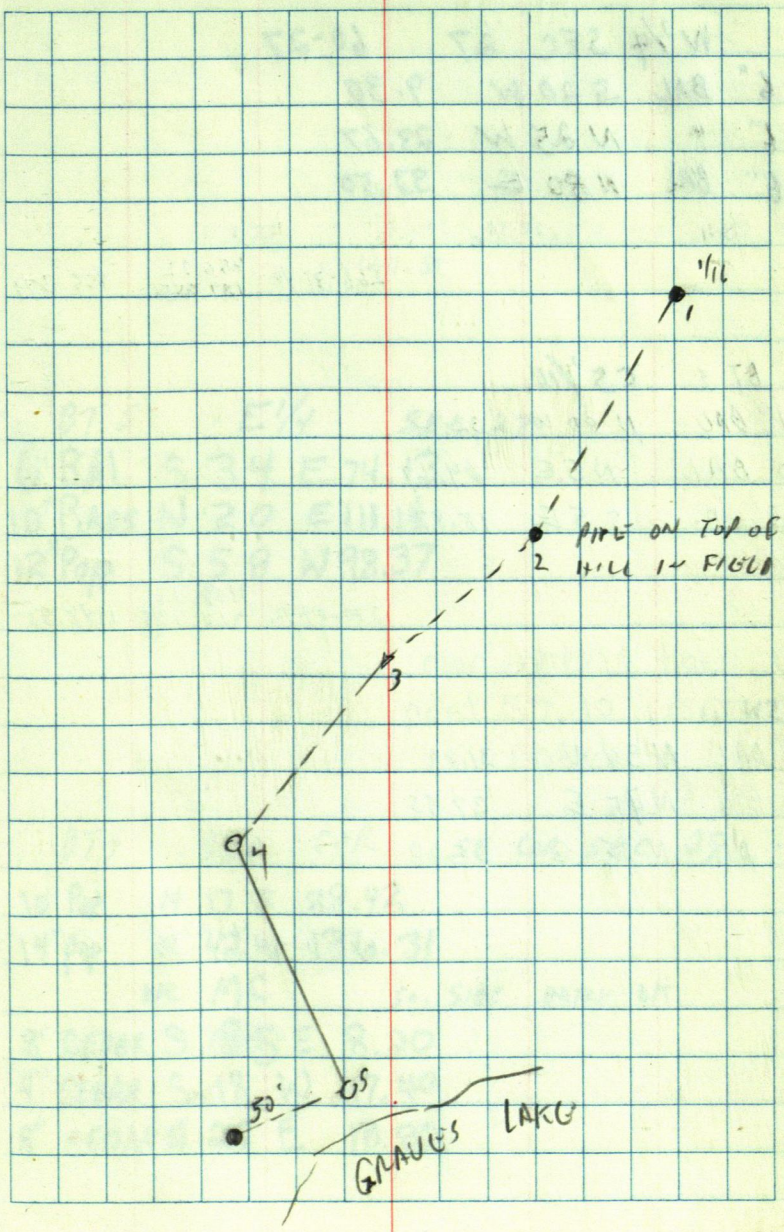
T @ F BS E

18°	80		
1+	89-03-20	482.98 147.214	482.915



B. SOWA

T@	2	BS	1		
182-39-40					
3 5-~~08~~ 08	182-39-59				
T@	3	BS	2		
178-25-24			87-44-18	173.11 52.763	172.971
4 336-51-36	178-25-18		94-48-46	248.24 ~~75~~.664	247.364
T@	4	BS	3		
45-19-06	115-19-09				
5 230-38-18			93-57	250.12 76.23	249.514



W 1/4 SEC 27 60-27

6" BAL S 20 W 9.30
6" " N 25 W 23.67
6" BAL N 80 E 33.50

266-31-40 456.22 139.055 455.379

BT's CS 1/16

14" BAL N 80 20 32.62
10" BAL N 5 E 64.67
12" " S 5 E 18.87

270-04-12 1188.33 362.205 1188.327

SW 1/16

8" BAL N 50 W 31.89
10" BIR N 45 E 37.55
15" BIR N 85 E 55.20

87-25-30 430.72 131.284

113.72 1211.58 23.26

BT's E 1/4 SEC 27

6" BAL S 34 E 74.13
10" BASS N 20 E 111.14
12" POP S 58 W 98.37

monument to post 57.10 to road

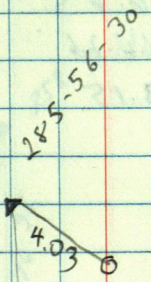
BT's SEC COR SE COR SEC 27

10" POP N 17 E 88.42
14" POP N 42 W 136.31
WC MC So. SIDE HATCH LH
8" CEDAR S 85 E 8.20
4" CEDAR S 18 W 17.40
8" CEDAR N 25 E 18.80

TWN LN LR

NE COR OF SEC 1

12" W O	N 26 E	54.80
10" W O	N 66 E	56.46
7" W O	S 23 E	117.93
12" BALSM	N 59 W	151.54



CADBOLDT

CW 1/16

10" RO	N 60 W	16.65
5" WO	N 10 E	66.26
7" WO	S [illegible] E	3.15
SIGN	3' SO	
℄	20' E	

SW 1/16

18" WO	N 14 W	16.20
4" WO	S 77 W	21.89
10" RO	N 39 E	32.57

N 1/16

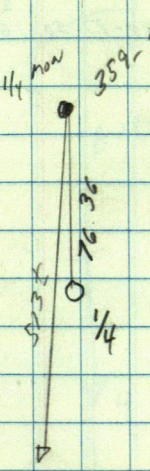
8" BIRCH	SOUTH	10.24
4" WP	N 55 E	28.50
4" WP	NORTH	69.72

8' Steel sign North 10.5 Both signs
8' Steel sign EAST 3.0 Both signs

NW 1/16

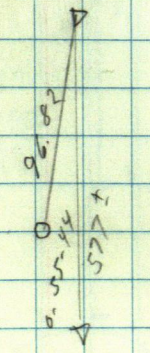
4" NP	N 50 E	9.53
4" NP	S 15 E	15.24
4" NP	N 76 W	10.63

WEST 2.9 SO 3.5



BTS

8"	WO	S 59 E	69.40
14"	NP	S 19 W	46.10
15"	NP	N 81 W	44.56



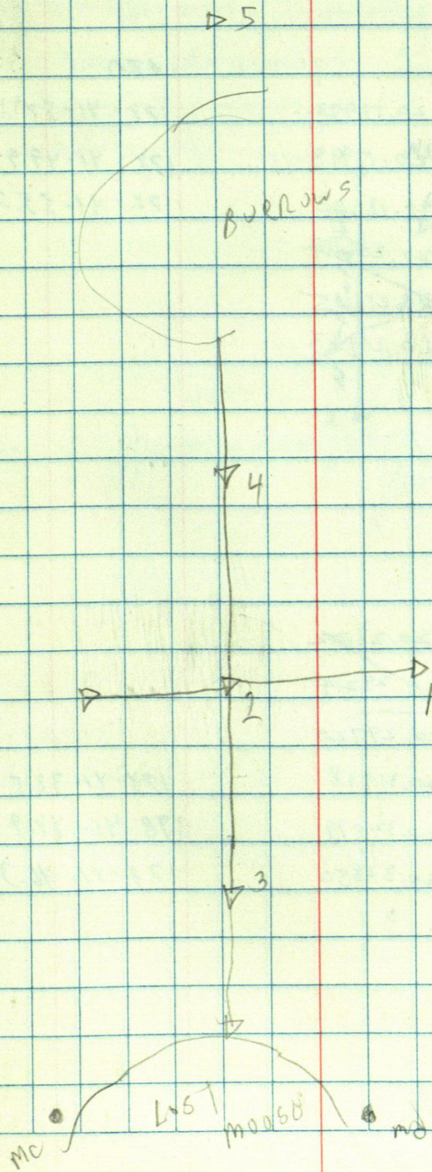
BTS

7"	NP	N 45 E	17.51
4"	WP	N 36 W	11.63
6"	WP	N 77 W	11.14

SIGN EAST 4.0

⊼ @ 2 BS 3

0-1-17				575.20	
180-1-16			90-01-42	175.32	575.196
180-1-17				301.19	
4 0-1-16			89-57-52	71.806	301.194
274-38-33	274-37-16			216.30	
1 74-38-30	274-37-14		90-07-50	65.918	216.283



CLR LK SOLAR

TP NE COR SEC 4 BS 2

BS 0-0-33

		AZM
26-41-54	20.17473	178-41-57
26-46-30	20.17993	178-41-49.9
26-52-00	20.18643	178-41-55.7
~~207-03-10~~	~~20.20589~~	
~~207-09-15~~	~~20.21125~~	
~~207-14-06~~	~~20.21733~~	
BS 180-02-40		

BS 0-01-67

~~28-14-59~~	~~20.28142~~	
~~28-23-11~~	~~20.29214~~	
~~28-27-17~~	~~20.29720~~	
208-42-24	20.31438	178-41-32.5
208-47-59	20.32079	178-41-44.9
208-54-11	20.32850	178-41-46.3
BS 180-01-00	0	

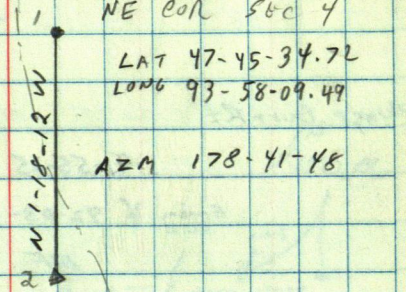
5° CLR

T.2

E. CONO
K. METCALF

68

1-26-88



@ 1 BS 2 ~~85 0-0-26~~

~~Plunge turn Rt~~ ~~91-59-42~~ ~~91-59-16~~

~~X Given 92-03-08~~

~~DIF = 0°3'52" or .01'~~

~~in 10'~~

Plunge turn Rt

91-55-25

Given X 92-03-08

DIF 0°7'43"

= .02' in 10'

@ 2 BS 1

0-0-47

to OS

93-49-12 93-48-25

Jan 28, 1988

Clear -5°

X Ken

Tom

72
47
25

Brass Cap Mon

w 1/16

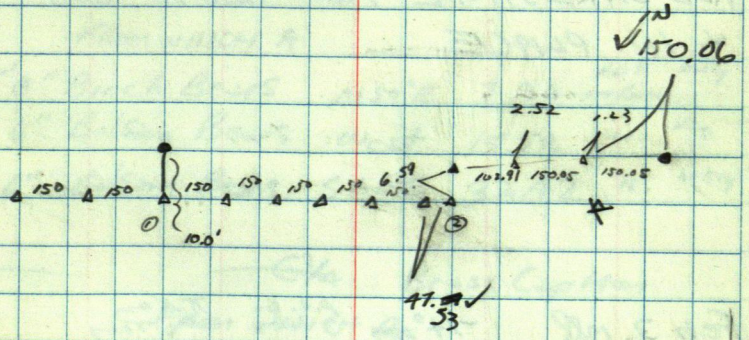
C ——— C

524

1919

17' Nly & New Road

Nly ditch Bottom



T@ SMC BS Pt Ely
180° set 2/1
T@ 2/1 BS SMC
Plunge total def Left 0°54'25" x 151.13'
= 2.39'

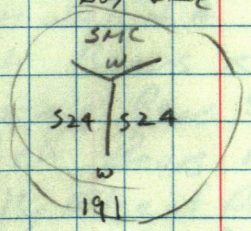
ALL LAKESHORE MONUMENTS SET
& IN PLACE

Feb 3, 1988 -14° AM P.C. & O.C. T Ken Tom

set Monuments

Feb 1, 1988 T Ken Tom
Clr -14°

Brass Cap Mon
Bay Lake



FROM WHICH A

5" Birch Bears N50°E 7.90 Nail in Base NWly
6" Balsam Bears West 15.58 " NWly
6" Balsam Bears S60E 32.42 " NEly

C 1/4 Brass Cap Mon

FROM WHICH A

12" Basswood BEARS S55W 19.75'
8" Maple Bears N84W 14.84'
11" Maple Bears N22W 28.70'
Corner Fence Post 1' SEly
℄ NEW ROAD 190'± Wly

CUT THROUGH 2 LINES TO LAKE 2/3/88

~~Feb 4, 1988~~

Line I/J Mon @ 301'± FROM SW COR I

Line G/F Mon @ 206'± FROM SW COR F

Feb 4, 1988 O.C. AM -15° Ken Tom

Line C/D Mon @ 277'± FROM SW COR C

all MONUMENTS SET AS OF 2/4/88

Ken Tom

CW 1/16 Brass Cap Mon.

FROM WHICH A

5" Ash Bears S83W 27.04

9" Basswood Bears S19E 54.17

4½" Ash Bears N63E 32.52

in N'ly Edge of Ditch 17'± N'ly

℄ of New Road

LARSON - BOB JOHNSON

℄ @ 2 BS 1

0-0-15
180-0-15
180-2-29
+ 0-2-28

90-02-20

1281.23
390.518

1291.222

℄ @ X BS 2

set y on line @ 208.70'

0-0-10

90-25-09 cut on line

℄ @ y BS 2

0-0-10

90-25-09 set 1.PC 32.40

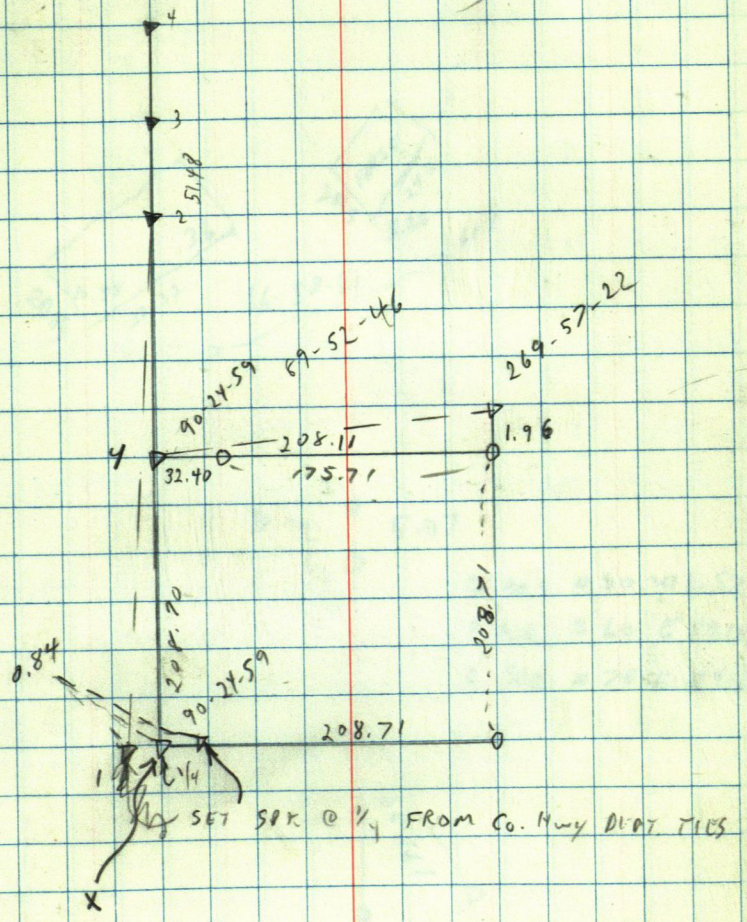
0-0-27
180-00
89-53-13
269-52-40

Feb 18, 1988
P.C. 40°

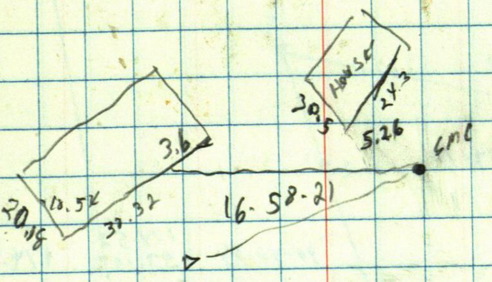
Ken
Tom

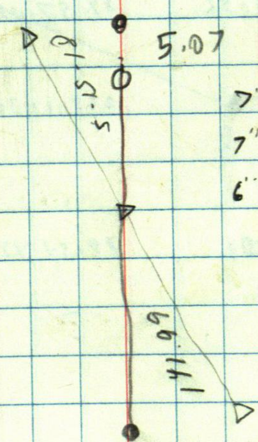
1281.22
1280.78
.4 ℄

51.72
.4 ℄
24



SET 50# @ 1/4 FROM Co. Hwy DEPT TIES





7" BAL N 50 206.57

7" BIR S 60 E 19.14

6" SOQ N 75 E 24.24

ROD OSTERLOH

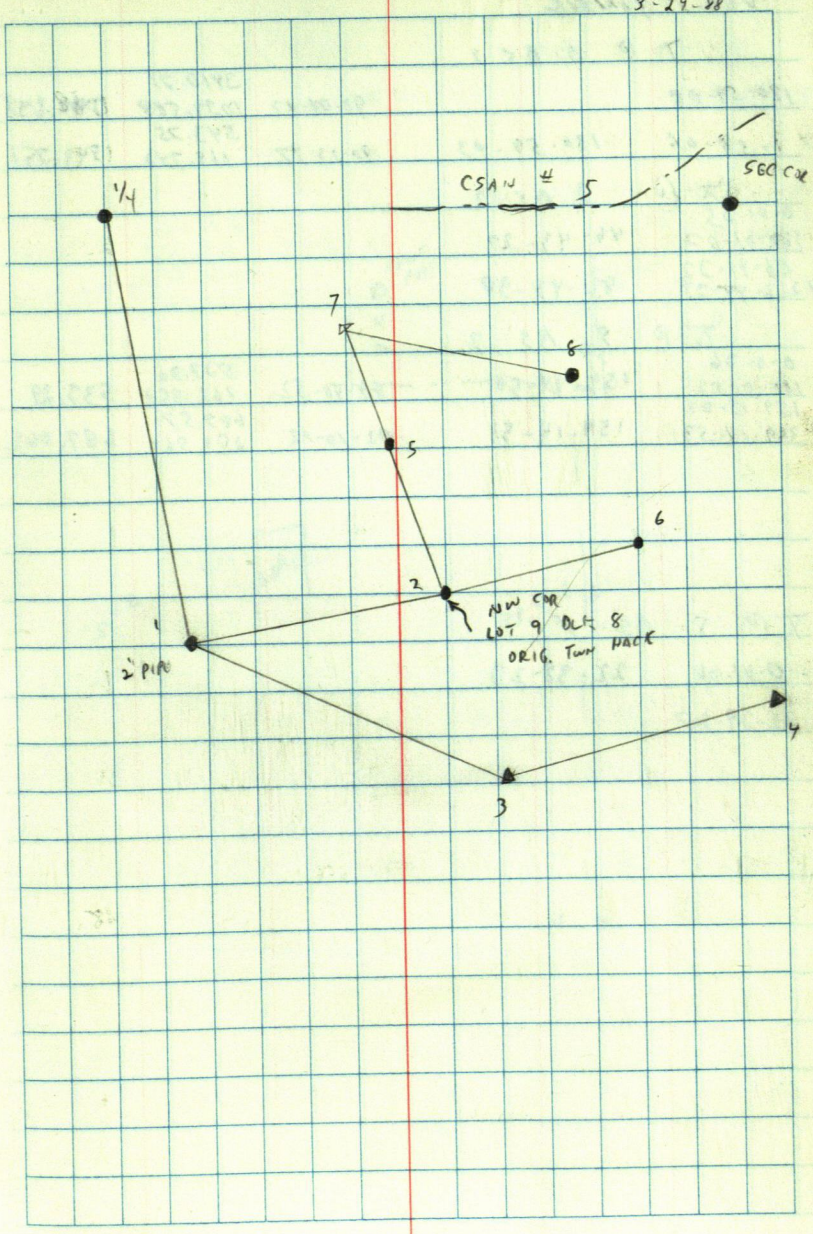
	T @ 1 BS 1/4 COR				
	111-52-55 ~~82-24-30~~		89-24-30	1368.53 417.129 180.04	1368.453
2	223-46-12	111-53-06	87-19-15	54.878	179.845
	166-52-57				
3	337-46-40	166-53-20	89-10-43	292.79 89.241	292.756
	T @ 3 BS 1				
	127-43-27				
4	255-26-20	127-43-10			
	T @ 2 BS 1				
	92-38-24		90-40-13	174.52 53.192	174.504
5	92-39-21				
	162-53-36				
6	025-46-54	162-53-52	87-57-05	169.62 51.701	169.621
7			269-10-30	301.50 91.889	301.454
	T @ 7 BS 2				
	38-18 301-~~34-57~~				
8	243-16-18	301-38-04	88-54-43	188.30 57.395	188.267

25° CLDY COLD 30 MPH WIND

G. CUKO
T. KUCHEFSKI

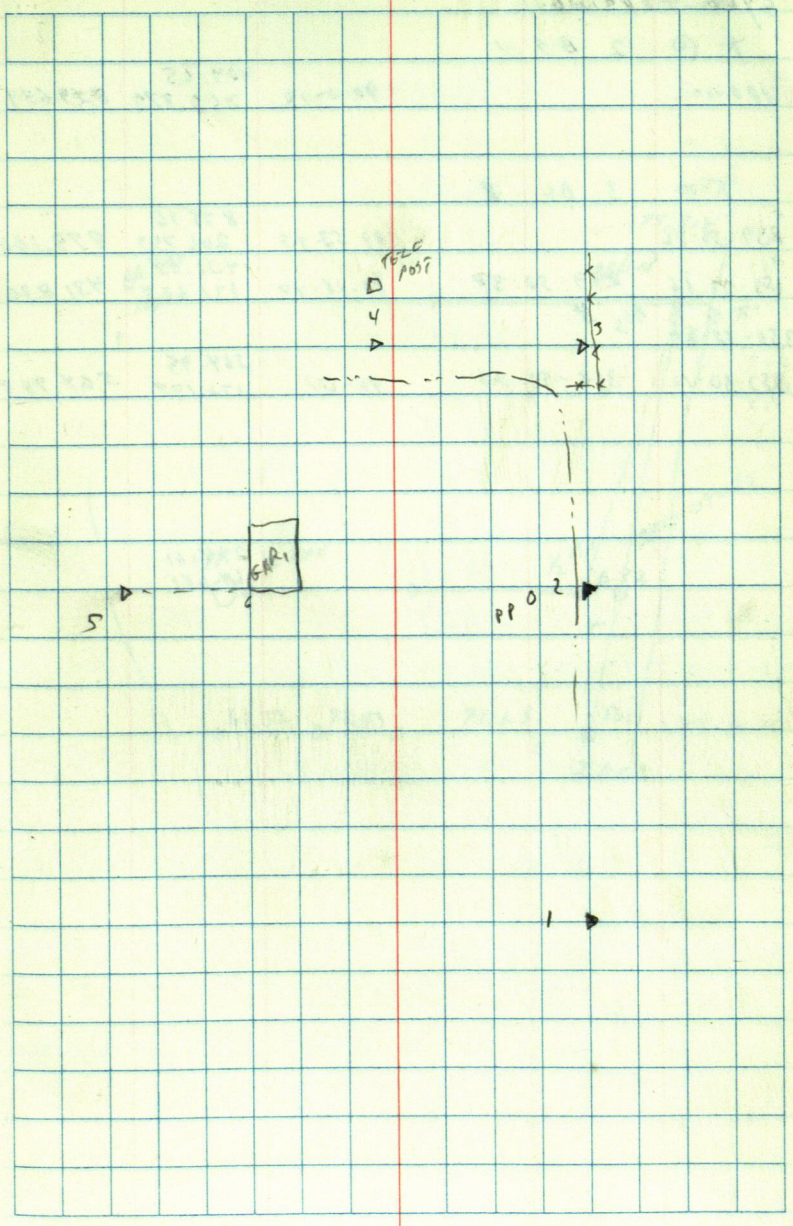
3-29-88

74



GEO. YOUNG

⊼ @ 2 BS 1				
180-59-08		90-04-12	3410.71 1039.588	3410.698
1-58-06	180-59-03	90-13-47	543.25 165.740	543.251
⊼ @ 3 BS 2				
0-01-05 180-01-07	86-43-27			
86-44-33 4 266-44-37	86-43-30			
⊼ @ 4 BS 3				
0-0-06 180-0-02	159-14-56	89-40-52	533.30 162.550	533.29
159-15-02 5 339-14-53	159-14-51	92-10-12	687.57 209.564	687.062
⊼ @ 5 BS 4				
6 0-01-04	22-38-27			
6 22-39-27				

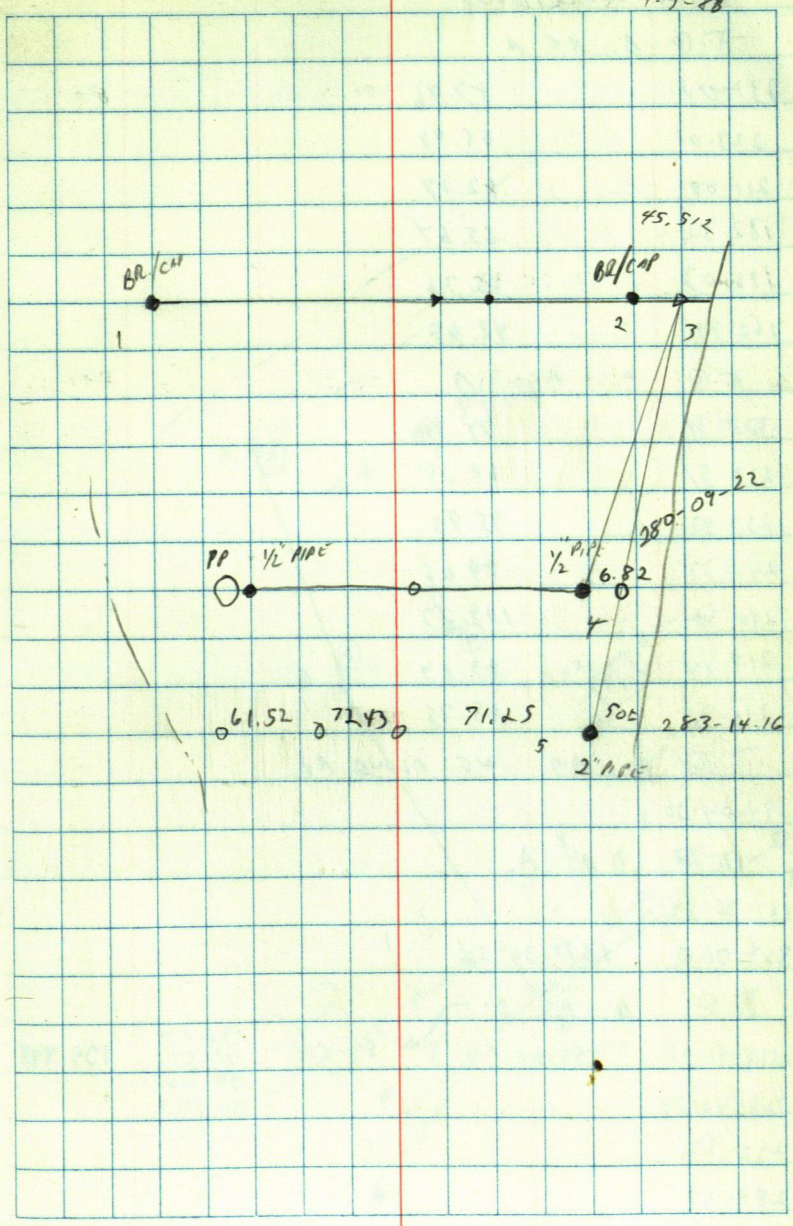


LYNN PERSIGER

	∡ @ 2 BS 1					
2	180-00		90-0-12	829.65 252.879	829,649	
3						
	∡ @ 3 BS #					
	259-50-46		89-57-45	875.16 266.753	875,162	
4	360 159-41-16	259-50-38	89-48-40	431.84 131.625	431,836	
	519 ∡ @ 3 BS #					
	356-55-09					
5	360 353-50-12 713	356-55-06	90-01	564.95 172.197	564.948	
				278.61 69.681		

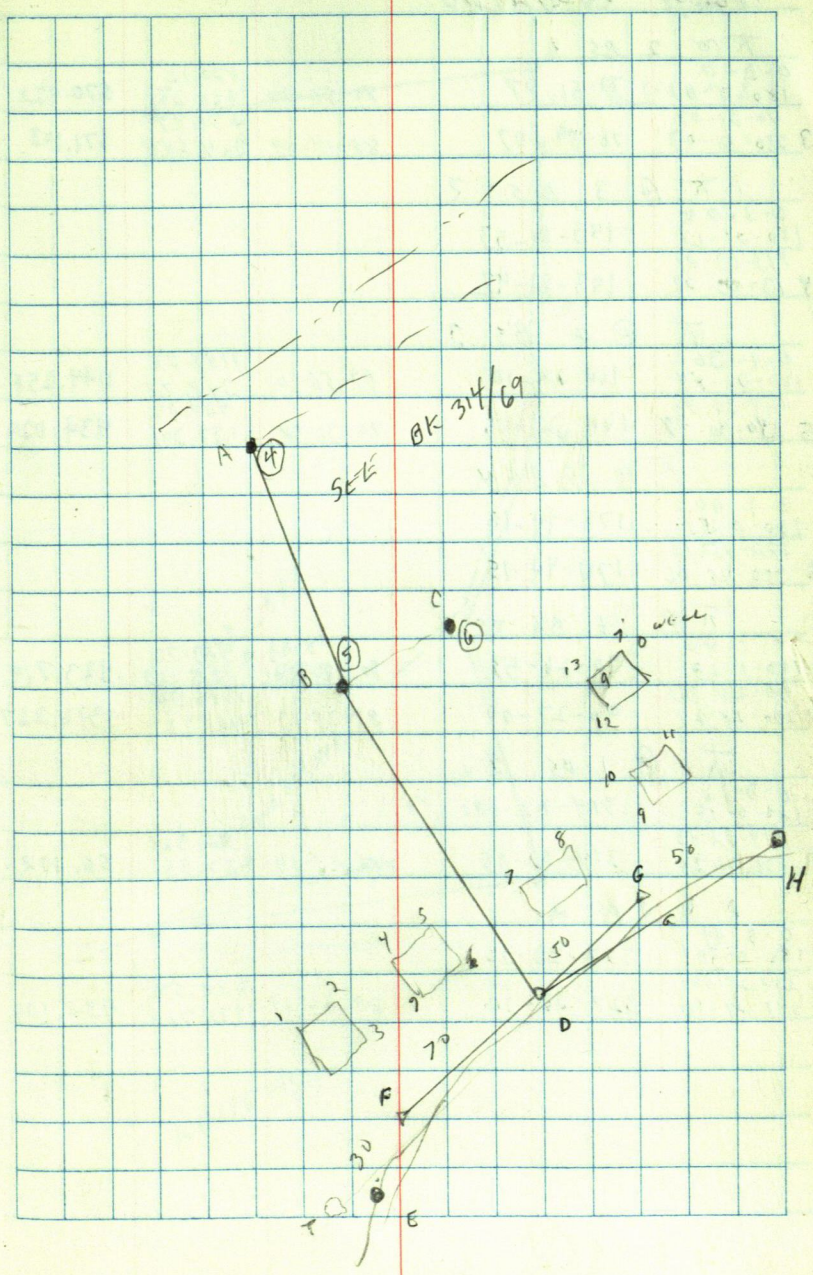
G. CURD
T. KUCHARSKI
4-9-88

76



DAVE WILLIAMS

	∠ @	B	BS	A	
1	237-01			87.96	
2	223-01			68.96	
3	211-09			82.17	
4	182-52			65.64	
5	182-03			45.36	
6	162-39			48.65	
	∠ @	C	BS	B	
7	308-34			74.34	
8	228-51			68.04	
9	253-42			95.95	
10	244-33			89.06	
11	240-30			109.73	
12	219-40			83.64	
13	211-31			85.75	
	∠ @	A	BS	NE ALONG RD	
B	94-04-30				
	∠ @	D	BS	A	
	161-30-54				
D	323-01-42	161-30-56			
	∠ @	D	BS	D	
G	118-41-36	50.00 FT		83-54	136.27 41.535 99.076 30.193 135.498
H	126-40-54				
F	292-22				
T	281-38				

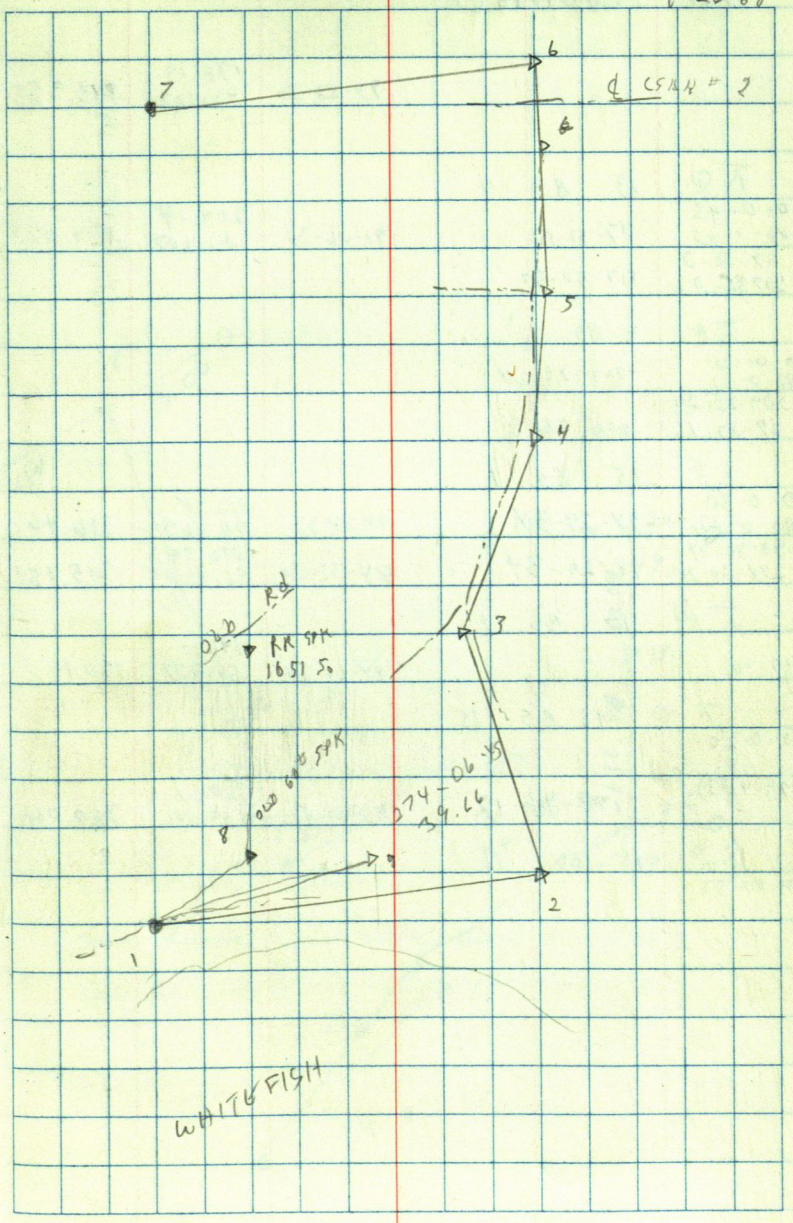


PAT COUGHLIN

	∠ @ 2 BS 1				
	0-0-0			870.12	
	180-0-01	70-51-07	90-50-10	265.21	870.021
	70-51-07			671.44	
3	250-51-08	70-51-07	88-14-09	204.648	671.108
	∠ @ 3 BS 2				
	0-1-08				
	180-01-15	193-01-53			
	193-03-01				
4	13-03-02	193-01-47			
	∠ @ 4 BS 3				
	0-1-36			1144.26	
	180-01-44	164-29-10	89-56-0	348.77	1144.254
	164-30-46			434.05	
5	344-30-48	164-29-05	90-35-54	132.301	434.029
	∠ @ 5 BS 4				
	0-1-00				
	180-0-51	170-44-10			
	170-45-10				
6	350-45-06	170-44-15			
	∠ @ 6 BS 5				
	0-1-40			423.73	
	180-1-28	90-26-53	90-22-33	129.153	423.719
	90-28-33			1316.34	
7	270-28-28	90-27-00	89-25-23	401.22	1316.267
	∠ @ 1 BS 2				
	0-0-16				
	180-0-15	314-02-00			
	314-02-16			56.92	
8	134-02-20	314-02-05	46-27-14	17.35	56.812
	∠ @ 1 BS 2				
	0-0-44				
	180-0-50	327-26-26			
	327-27-10			432.14	
9	147-27-10	327-26-20	89-20-07	131.716	432.109

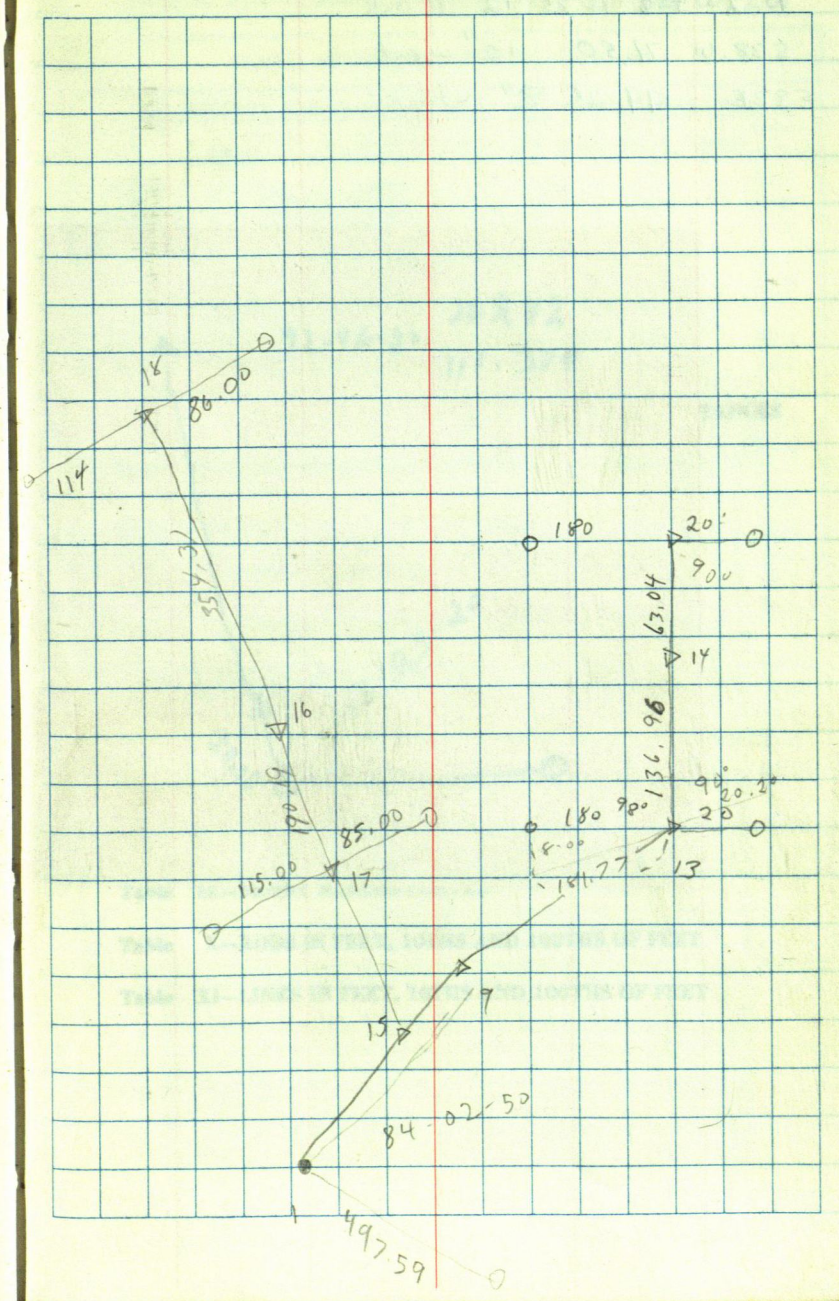
E.CUAD
T. GOBLE
4-26-88

78



PAT COUGHLIN

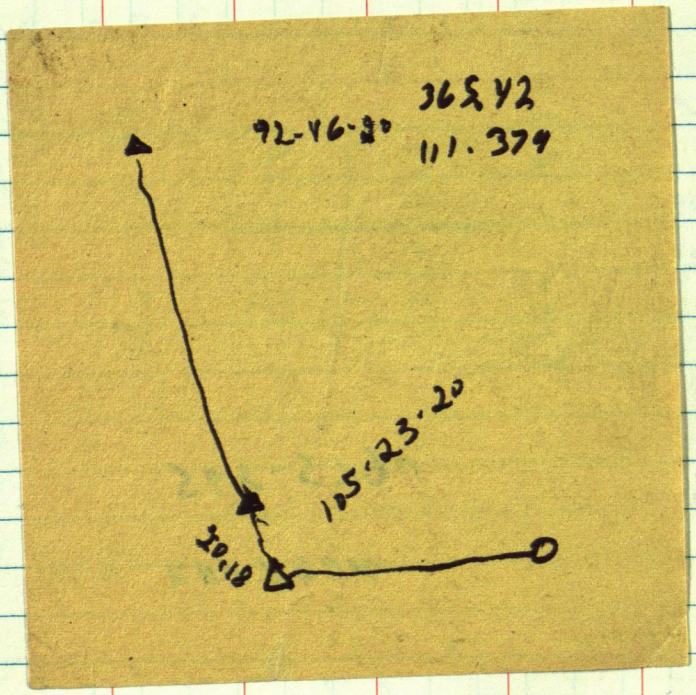
		97-28-50	138.13 42.103	136.955
∧ @	13 BS 9			
0-0-45 180-1-05	117-51-15	91-06-30	204.14 62.207	204.077
117-52-0 14 297-52-02	117-50-57			
∧ @	9 BS 1			
0-01-01 180-0-51	209-26-28			
209-27-29 13 29-27-16	209-26-25			
∧ @	15 BS 1			
0-0-30 180-0-32	98-29-34	90-37-33	316.48 96.463	316.46
98-30-04 16 278-30-11	98-29-34	84-32-20	316.59 96.498	315.151
∧ @	17 BS 16			
90-00		84-06-54	191.20 58.277	190.19
∧ @	16 BS 15			
0-0-20				
179-44-32 18	179-44-12	92-01-42	360.24 109.802	360.014
∧ @	18 BS 16			
90-47-03				



N 22 W 92.85 12" R. Oak

S 38. W 71.50 12" W. Oak

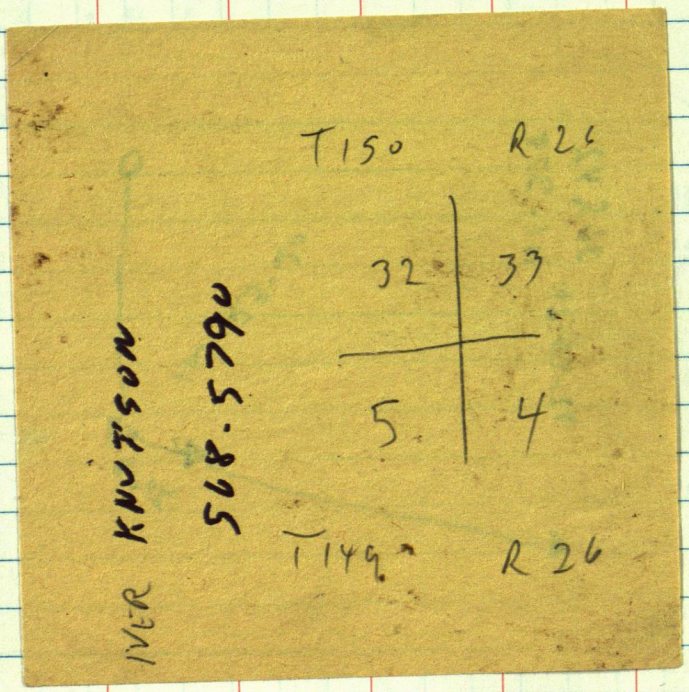
S 83 E 99.25 8" W Oak



N22W 92.85 12" R. oak

S38.W 71.50 12" W. oak

S83E 99.25 8" W oak



N 22 W 99.85 12" R. Oak

S 38. W 71.50 12" W. Oak

S 83 E 99.25 8" W Oak

USEFUL RELATIONS

Lineal feet	×.00019	=	miles
Lineal yards	×.0006	=	miles
Square inches	×.007	=	square feet
Square feet	×.111	=	square yards
Square yards	×.0002067	=	acres
Acres	×4840	=	square yards
Cubic inches	×.00058	=	cubic feet
Cubic feet	×.03704	=	cubic yards
Links	×.22	=	yards
Links	×.66	=	feet
Feet	×1.5	=	links

57.7
89.46
147.16

360° = 21600′ = 1296000″

Radius = arc of 57.2957790°

Arc of 1° (radius = 1) = .017453292

Arc of 1′ (radius = 1) = .000290888

Arc of 1″ (radius = 1) = .000004848

Curvature of Earth's surface = about 0.7 feet in 1 mile

Curvature in feet = 0.667 (Dist. in miles)^2

Difference between arc and chord length, 0.05 feet in 11½ miles

Probable error of a single observation = $0.6754\sqrt{\frac{\Sigma v^2}{n-1}}$

Error in chaining of 0.01 feet in 100 feet:

Due to—

1. Length of tape error of 0.01 feet
2. Alignment. One end 1.4 feet out of line
3. Sag of tape at center of 0.61 feet.
4. Temperature difference of 15°
5. Difference of pull of 15 lbs.

SQUARE MEASURE

144 sq. inches = 1 sq. ft.
9 sq. ft. = 1 sq. yard
30¼ sq. yds. = 1 sq. rd.
40 sq. rds. = 1 rood.
4 roods = 1 acre
640 acres = 1 sq. mile.

SURVEYORS' MEASURE

7.92 inches = 1 link.
25 links = 1 rod.
4 rds. = 1 chain.
10 sq. chains or 160 sq. rods = 1 acre.
640 acres = 1 sq. mile.
36 sq. miles (6 miles sq.) = 1 township.

AL 251-0761 473-70-5466

Tim 587-2716

BLAZED FACES N 70 W

DEFINATE [illegible] 9" DIAM. WHEN BLAZED
+ SCRIBED

431.63

E 1/4 35-142-28

Fnd 33" of monument
6/23/78 6"X24" Concrete

AL

Steel sign post west 20.4'
16" W. Oak S 44 W 73.20
10" R. Oak N 18 W 93.00
6" W. Oak S 77 E 92.35

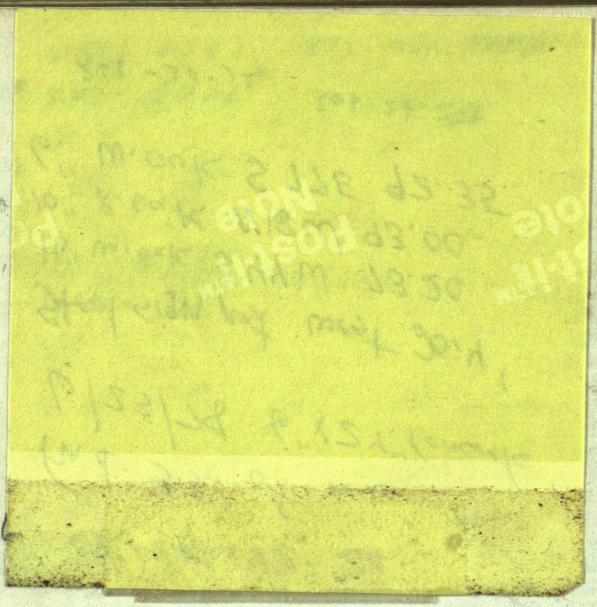
266-28-52

266-30-12

AL
Tim

BLA

DEFI



431.6

AL

Mc SLR. LK.

NP 16 N74E 39.6

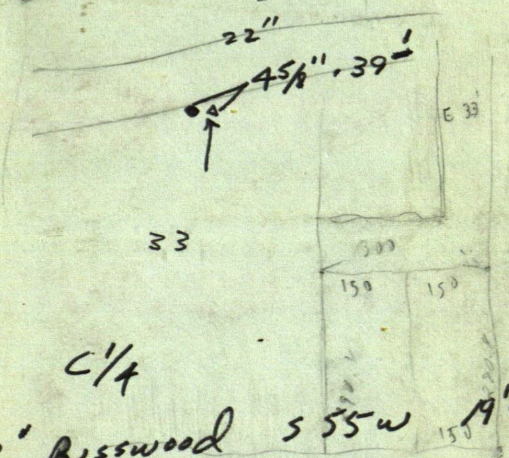
" 19 S16E 47.5

359-06-20

92-04-13 (corrected to 03, 73)
0-0-43
30
92-03-30
92-03-08

53-40
45
54'25"
3

569
89
480



89-52-73
27
89 52 46

C1/4

10" Basswood S 55 W 19'9"
8" Maple N 86 W 19'10½"
11" Maple N 22 W 28'8½"
Cor Fe Post 1' SEly
B.C. Mon. up 1'
190'± Ely of ℄ Rd Nly, Sly + Bending Wly

CW1/10

5" Ash S83W 8.27.04'
9" Basswood S19E 54.16'
4½" Ash N63E 32.52
Nly Edge of ditch 17'± Nly ℄