

312



**LIETZ**

SINCE 1882

**TRANSIT FIELD BOOK**

No. 8152-00



Property of WALTER E CURD

Address HACKENSACK MN 56452

Telephone 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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76 TERRY FREEMAN NEVIS

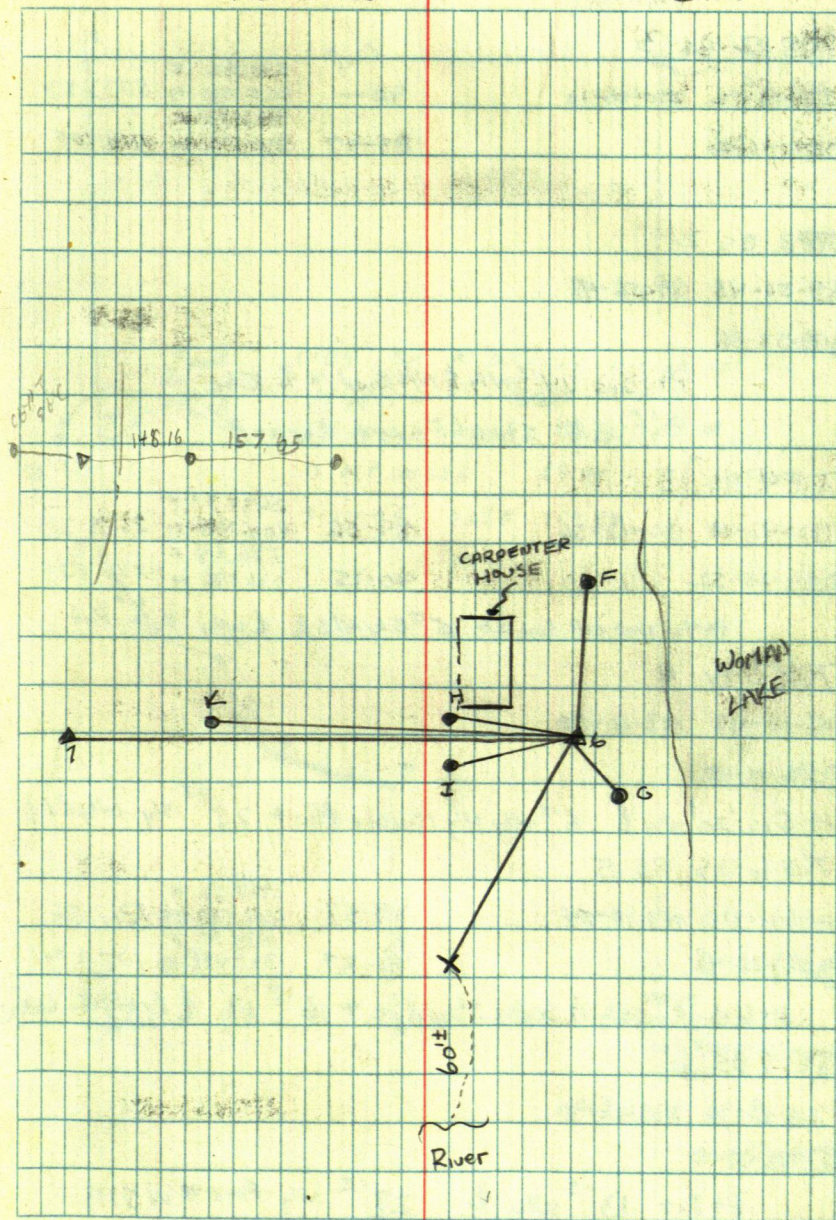
79 TIM GROVES

80 DON BETHOL



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JOHNSON

Sec 26

№ 2 БС 3

270-08-12 270-08-10

90—

5333.92	F	
1625.780	M	5333.917

1116.11  $\pi$ 

①540-16-20

89-47

340.192 M 1116, 104

№3 БС 2

89-56-48 89-56-48

④ 179-53-36

Pt 3 is 14'± Wly & N/S Road & Ely

4 8'± Ely Steel Fence Corner

T@4 BS 3

180-43-00 180-42-56

89-56

2639.31 F  
804.466 M 2639.313

776.84 F

⑤ 361-25-52

90-15

236 776 M 776,824

Pt 4.15 NW cor Sec 26 S<sup>1</sup>E 1/4 N/S to & w/ly 1/2" Rod

Λ @ 5 B<sub>5</sub> 4

148-00-48 148-00-50

⑥ 296-01-40

Pt 5 is 20' wly & 6' wly Nly Mailbox Post + 25' sly wly Rd &

70635 35 5

144-11-00 144-10-54

89-57

1317.26 F  
401.502 M 1317.26

1074.30 F

⑦ 288-21-48

91-27

327.438 1073.941

Pt 6 is  $10'^{\pm}$  SE of Septic Standpipe +  $16'^{\pm}$  Nly  $\perp$  trail to Lake

7856

236-18-36 236-18-30

472-37-00

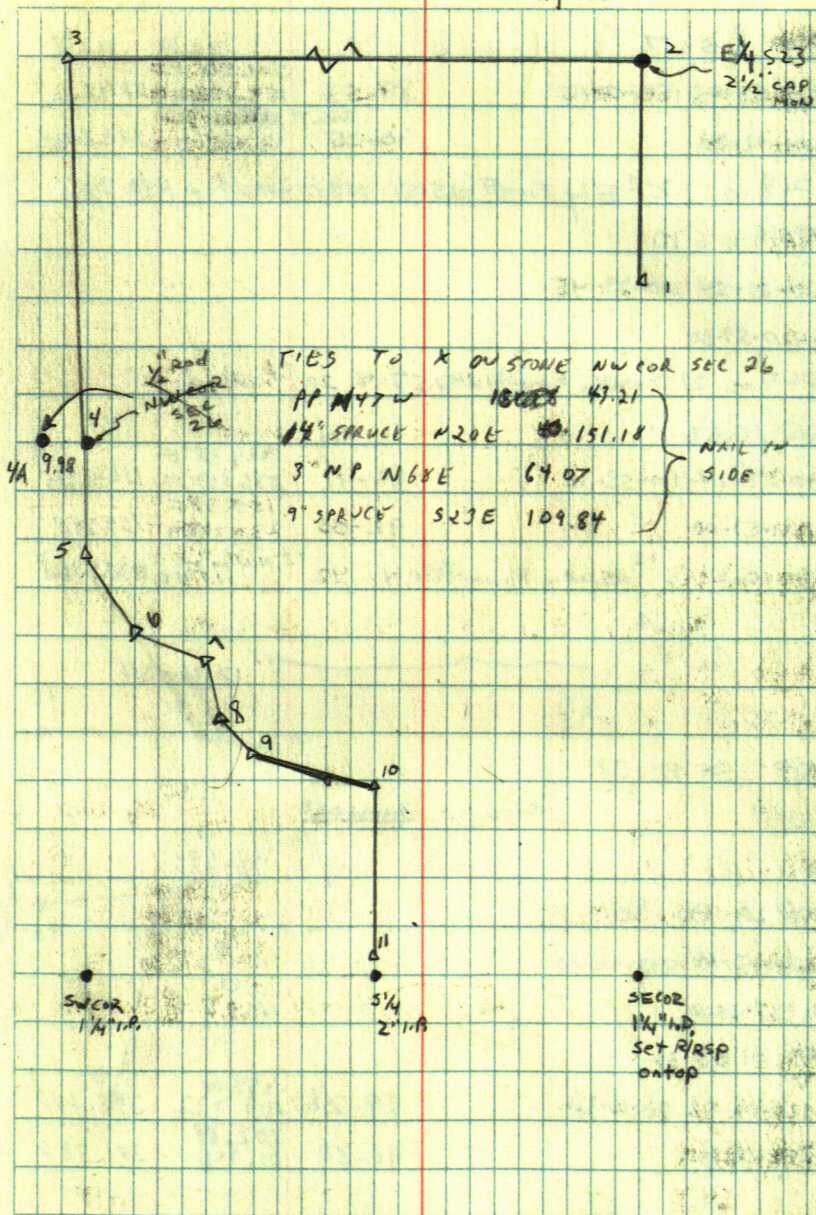
Pt 7.15 13<sup>12</sup> wly & 27<sup>12</sup> Nly Fire # W5133

Ken Metcalf

Dec. 20, 1984

Sunny 10°

2





K@ 8 BS 7

150-53-48 150-53-45

89-58 501.50 F  
152.852 M 501.491  
306.71 F  
90-35 93.485 M 306.694

① 304-47-30

P48.15 2'± Ely Fire # WSIS1 vs broken top R/R Sp.

K@ 9 BS 10

210-29-54 210-29-45

① 420-59-30

P49.15 2'± NWly Fire # WSIS7 &amp; 20'± Wly E

K@ 10 BS 11

110-58-24 110-58-30

89-41 1924.38 F  
586.549 M 1924.345  
755.34 F  
92-03 230.223 M 754.848

① 221-57-00

P410.15 3'± SWly Power Pole &amp; 42'± NWly Fire # WS168

12-26-84

K@ 30 BS 31

180°

~~34-05~~

78.65

②

K@ 29 BS 30

268-45-06 268-44-30

② 537-29-00

40.97

K@ 31 BS 32

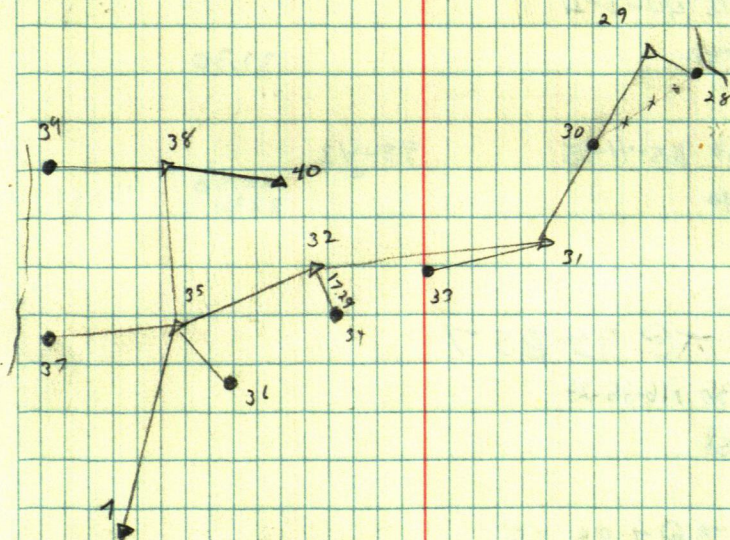
212-06-42 126-06-36

89-26 358.66  
109.322 358.646  
202.89  
96-30 61.841 201.586

29 252-13-12

30-29 78.65

29-28 40.97





A @ 31 05 32

357-45 357-4454

33) 755-29-48

87-10

137.80 F  
42.00 M

137.629

A @ 32 05 31

178-38-54

178

357-09-22

178-38-41

178-34-41

?

87-47-12

34) 175-34-18

87-47-09

A @ 35 BS 32

82-48-30 82-48-24

87-24

326.15 F  
99.409

325.811

165-36-48

90-36

357.19  
108.866

357.161

44-13-18 44-13-21

36) 88-26-42

37.30

165-41-30 165-41-35

95-43

37) 331-23-10

122.46  
37.321

121.843

744

A @ 35 BS 7

146-35-30 146-35-29

38) 253-10-58

A @ 7 BS 35

185-46-54 185-46-44

39) 371-33-28



AE 38 BS 35

51-51-54 57-51-48

(39) 115-43-36

89-47

94-35

266.65

81.274

128.01

26.993

266.646

127.561

282-13-54 282-14-00

564-28-00  
40) 36

91-07

364.17

110.990

364.086

E. Curo  
K. Metcalf

12-26-84  
3° O.C. Aft.

5



K@ B B S A

TCBSA

89-57-32 89-57-33

1: P. @ SHORE 90-16

394.85 F  
120.353 M

10'  $\pm$  to water

12052-48

96—

474.92  
144.761

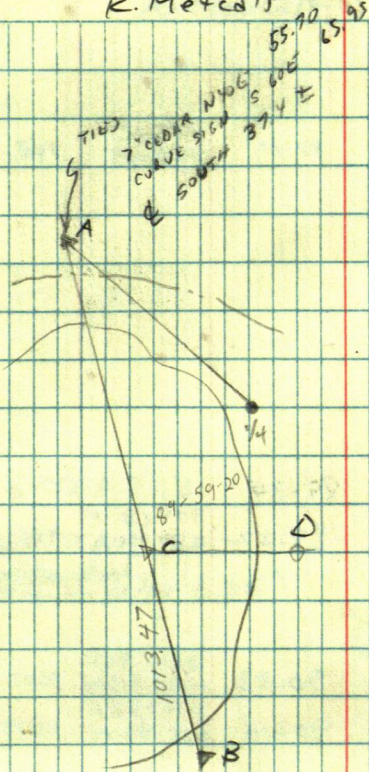
SHOOT PT ~~ON~~ SHORE

E. Curo  
K. Metcalf

12-28-84

O.C. 20<sup>e</sup>

Foggy 6





W. JOHNSON

T@ 1 BS 2

178-35-40

(12) 357-10-48	178-35-24	90-17	744.17 228.085	748.164
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T@ 12 BS 13

178-57-00 178-56-57

(13) 357-53-54

T@ 13 BS 14

226-12-00 226-11-55

(14) 452-23-50	89-34	88-22	944.68 F 287.990 M	944.198
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T@ 14 BS 13

226-09-06 226-09-07

(15) 252-18-14	90-33	90-18	3601.95 F 1097.87 M	3601.788
			2263.73 F 689.982 M	2263.692

T@ 15 BS 14

233-23-18 233-23-15

(16) 466-46-30

T@ 16 BS 17

144-22-30 144-22-25

(15) 288-44-50	89-42	89-30	1030.86 F 314.209 M	1030.85
			441.52 F 134.577	441.506

E. CURR  
K. Metcalf

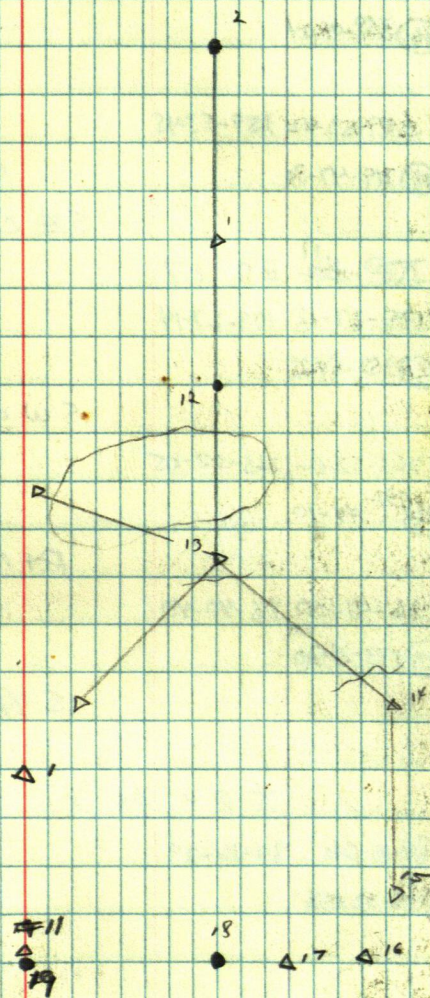
1-3-85 Cir 25° 7

TIES TO PT 13

2' W.O. SSW 9.0'

Satellite Stud

Receiver W/ 6.35'





~~17~~ 17 BS ~~11~~

179-02-16 179-02-12

90-05 3869.34 F  
1179.378 17 3869.337

16 358-04-24

359-53-42 359-53-45

18 719-47-30

90-31

1241.67  
378.459 1241.615

SE COR

~~17~~ 17 BS 17

179-27-18 179-27-14

20 358-54-28

90-

2632.60 F  
802.417 M 2632.598

SW COR

268-52-12 268-52-05

50 537-44-10

Pt 10 N14

86-41-00 86-40-40

19 173-21-20

ch.  
13.40

S 1/4 COR

T @ 4 BS 5

89-16-26 89-16-29

9.98

11 178-32-58

E. Curo 1-3-85 Clr 25° 9  
K. Metcalf

266  
177  
537



W. JOHNSON

K@ 21 BS 29

165-36-54

90-24

1010.73 F

308.067 M 1010.724

165-36-30

90-07

K@ 29 BS A

81-37-48

(21) 163-15-22 81-37-41

89-46

2390.31 F

728.569 M 2390.292

K@ 13 BS 21

(12) 126-46-06 126-46-04

(12) 253-32-06

127-51-30 127-51-32

(22) 255-43-04

100-20

75.55 F

23.026 M 74.322

304-45-36 304-46-00

(23) 609-32-00

102-11

62.64 F

19.093 M 61.23

53-35-24 53-35-21

(24) 107-16-42

91-01

944.55 F

287.896 M 944.396

K@ 24 BS 13

67-18-54

90-

96.54

29.425

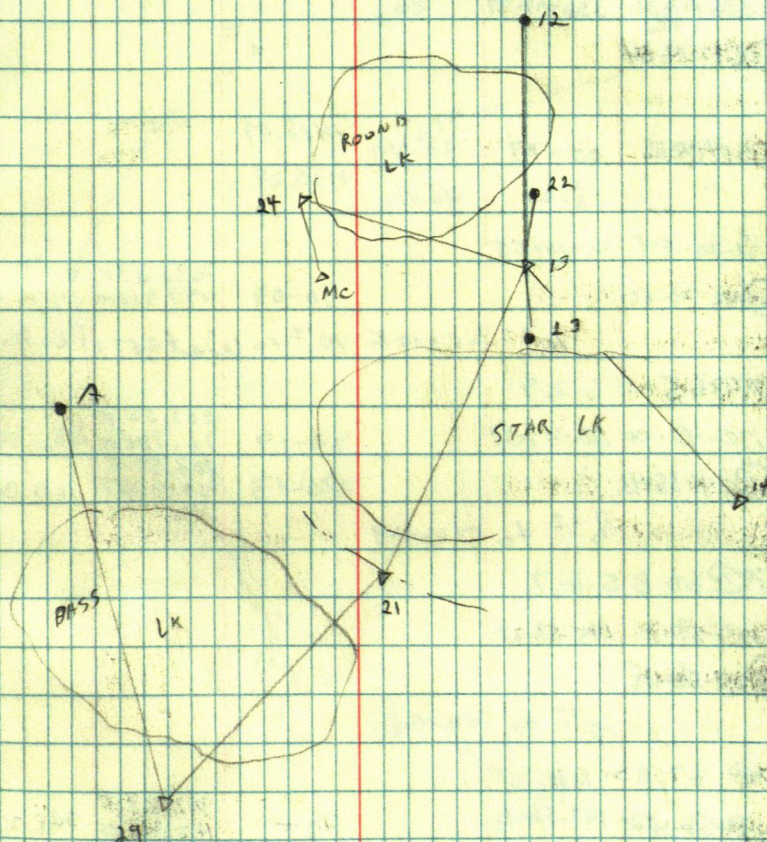
MC

35° CLR + WIND

E. ROAD  
K. METCAL

1-4-85

9





W. JOHNSON

TR@ 29 BS 63

(63A) set pt 63a on line @ 90-07 1509.26 F  
460.017 M 1509.246  
15' to water

336-07-30 336-07-27

(65) 672-14-54

SHORE 05-27 90-10 1418.09  
" 18-29 90-11 1330.29

21-10-54 21-10-55

(64) 42-21-50 90-09 1633.53 F  
497.901 M 1633.524  
10'± to Creek 10'± to water of lake

TR@ 65 BS 29

170-48-00 170-47-54 90-19 252.55 F  
76.974 M 252.541  
(66) 341-35-48 90-13 163.31 F  
49.776 M 163.307

8'± to HWM

TR@ 66 BS 67

145-58-30 145-58-24

(65) 291-56-48

15'± to HWM

TR@ 67 BS 66

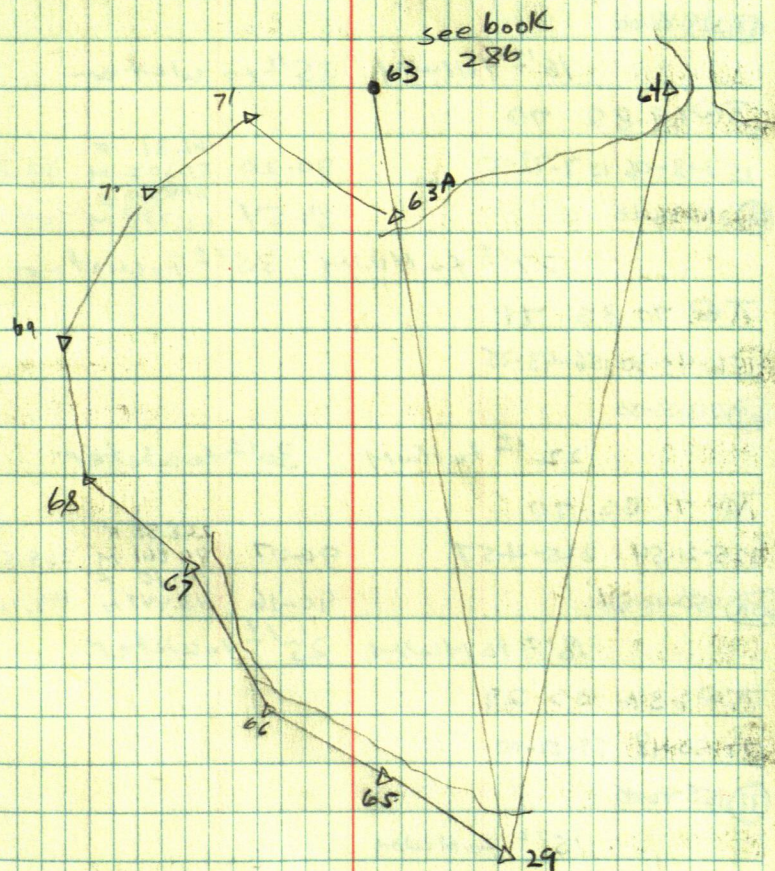
149-56-42 149-56-42 90- 368.33 F  
112.268 M 368.332  
(68) 299-53-24 90-08 172.85 F  
52.687 M 172.853

16'± to HWM

-12'

8 CURD  
K METCALF  
1-8-85

10





$\pi @ 68$  BS 69

164-24-08 164-24-00

(67) 328-48-00

16'  $\pm$  to HWM 35'  $\pm$  to water

$\pi @ 69$  BS 70

157-18-06 157-18-00

90-20

168.31 F

168.309

51.302 M

204.20 F

89-54

62.238 M

204.196

(68) 314-36-00

27'  $\pm$  to HWM 35'  $\pm$  to water

$\pi @ 70$  BS 71

156-43-30 156-43-25

(69) 313-26-50

22'  $\pm$  to HWM 30'  $\pm$  to water

$\pi @ 71$  BS 70

225-21-54 225-21-57

90-07

268.58 F

81.861 M

268.576

149.10 F

90-16

45.447 M

149.100

(63A) 450-43-54

18'  $\pm$  to HWM 25'  $\pm$  to water

$\pi @ 63A$  BS 29

77-50-48 77-51-00

(71) 155-42-00

15'  $\pm$  to HWM

E. CURT  
K. Metcalf

1-8-84

11



225.51 F  
68.736 M 225.498

P442 is B3<sup>14</sup> to HWM



Λ@ 43 BS 42

171-12-50 171-12-45

④ 342-2530

90-05 197.10 F  
60.066 M 197.083

P+43 is 7' ± to HWM

P+44 is 15' ± to HWM

FROM P+44 60° RT from 43  
RT

Λ@ B BSA

156-01-06

88-44

78.935  
308.19

308.112

② 312-02-08

87-18

282.71  
86.169

282.687

Λ@ CBS B

201-47-30 201-47-27

④ 403-34-54

Λ@ D BSC

④ 196-41-30 196-41-21

91-13

243.72 F

74.285 M 243.663

④ 393-22-42

90-52

592.96 F

119.774 M 392.914

162-38-36

④

92-32

193.43

58.957 193.24

Λ@ 37 BS 33

180°

set P+38

87-11

77-58 CA

74.29 74.20

Λ@ 38 BS 33

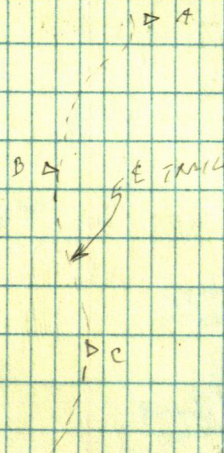
142-15-12 142-15-07

④ 284-30-14

-5° WINDY CLR

ECURD  
K METCALF  
1-11-85

13





PAROES

NO 38 RS 37

307-36-12 307-36-09

615-12-R

57.38 chain

SHOOT  $\frac{3}{4}$ " I.P. @ Gate 5

above notes shot 2-21-85

E.C. QUAD  
K. METCALF 320 O.C.

10° LT SNOW

E.C. QUAD  
K. METCALF  
1-16-85

14

@ 200' Ely 15'± sly to Edge Y

100'± to Dry Grd.

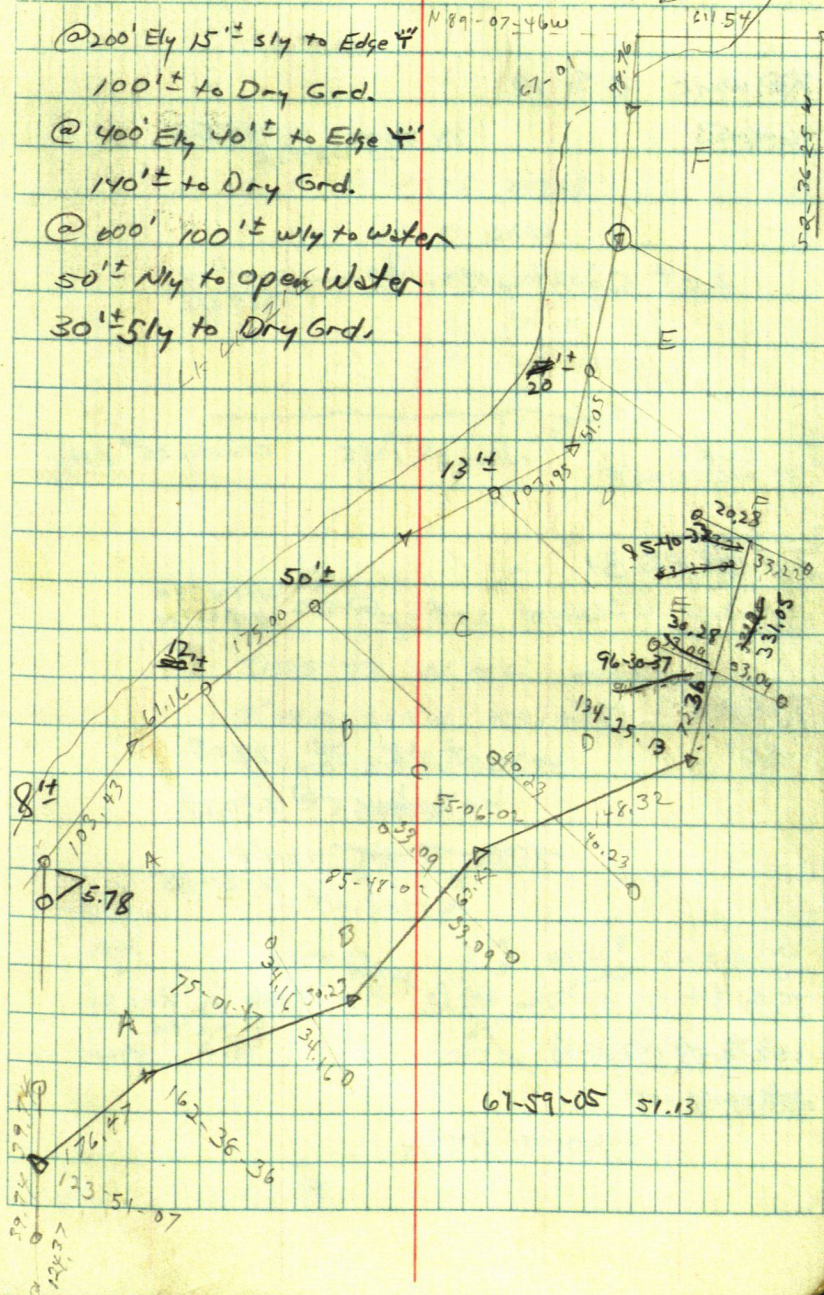
@ 400' Ely 40'± to Edge Y

140'± to Dry Grd.

@ 600' 100'± wly to Water

50'± Nly to open Water

30'± Sly to Dry Grd.





R. PURDUS

N@ WMC BS 19

76-16-53

COMES 795.58  
IN WATER

set County M. n 40 — 935.74 935.74  
285.218

CURD  
METCALF

Jan 23, 1985

Cloudy 25° PM

N@ <sup>MC</sup> BS 31

135-08-51 4 Plunge set sp@ 90° 4654.39  
1418.659 M

N@ ABS MC

180°

set MC B@ 27.05

set 1/4 cor C@ 630.15

E CURD 2-21-85 O.C.  
K Metcalf 32°

N@ Pt 176.47 Swly PTA <sup>PTA</sup> BS ~~BS~~ 1/2" Rerod  
132-26-04 132-25-58 98.0 <sup>N 1 to 1/2" Rod</sup> casing

264-51-56

SHOOT PTA

12° OC WINDY

E. CURD  
K METCALF  
JAN 22-85

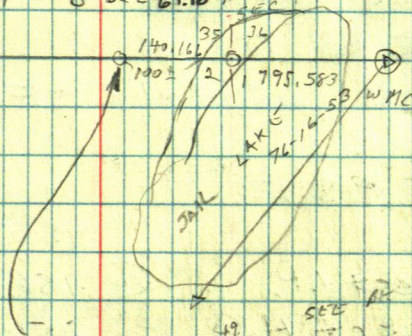
15

TIES TO W MC

8" SPRUCE N33E 207.68

6" ASH S88E 134.26

5 ASH S 62 E 67.16 N.W. S. 1/4



TIES TO W MC WEST SIDE

7" W.O S48°W 53.10

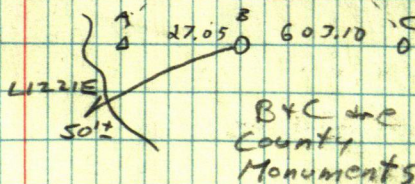
9" Birch N80°W 34.74

~~N33E~~

4" ASH N23°E 51.35

MC

4654.39





WARD. JOHNSON

K@B BSA

180° set pt @ 123.70

78-54-28 x Plunge set 1.P. @ 30.00' 24.50

K@C BSA

109-20-18 set 1.P. @ C-E 327.93

Plunge set 1.P. @ 24.50

K@E BS D

153-42-07 set pt online = F

K@F BSE

92-08 173.36 F 173.226  
52.838 M

set 1.P. @ 156.36 = G

set H @ 251.38

K@ 1BS 2

130-50-54

③ 241 41-36 130-50-48

88-10  
87-47

425.16  
127.719

425.37

20° SNOWING

E. 2040  
K. METALK  
1-24-85

16

86 72362.20

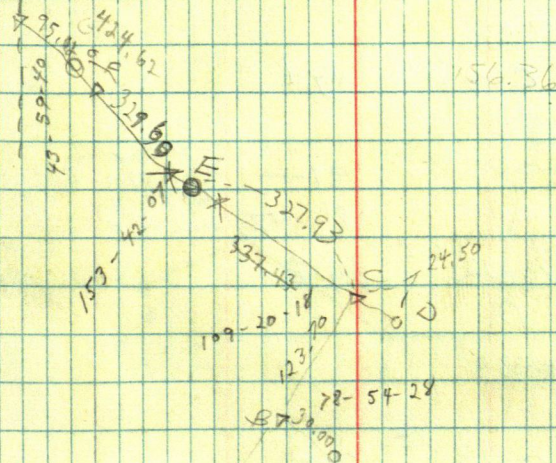
158.11

100+17

173.24

D-E 353.02

86-00 107.605





RON WINTERS

SW 1/4-21- 142-33

Λ@B BSA

175-41-06 175-41-06

94.43

208.14 F  
63.470 M 207.433

⊙ 351-22

94.52

312.56 F  
95.266 M 311.429

B 10 1' ±

5/4 ±

Λ@CBS B

211-22- 211-21-54

⊙ 482-43-48

C 15 3' ± NY ±

Λ@D BS C

132-0238 132-0238

91—

271.56 F  
82.771 M 271.517

⊙ 264-05

89.42

140.02 F  
42.674 M 140.01

D 15 12' ±

5/4 ±

Λ@F BS D

150-30-30 150-30-33

⊙ 301-01-06

E 15 3' ±

SE 1/4 ±

Λ@F BS E

251-41-12 251-41-04

95-08

290.49 F  
88.542 M 289.326

⊙ 503-22-08

88-24

401.16 F  
122.274 M 401.004

F 15 50' ±

100' ± for Tangents

Λ@G BS F

177-50-36 177-50-39

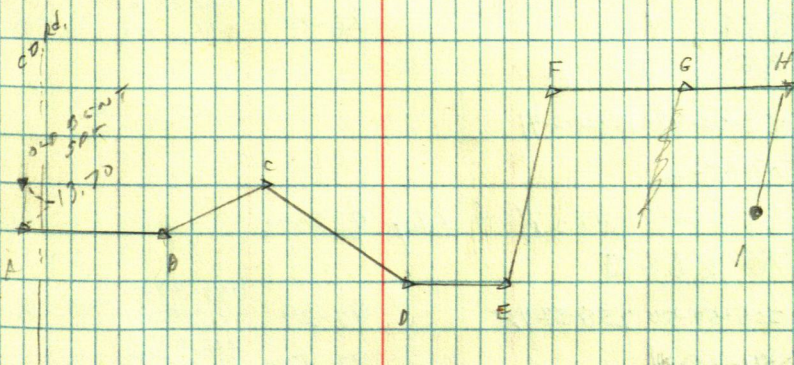
⊙ 355-41-18

G 15 in ±

10' LT SNOW

G. CURD  
K. METCALF  
1-29-88

17





R. WINTERS

T@H BS G

277-50 277-49-53

88-23

299.42 F  
91.266 M 299.305

(I) 555-3946

93-44

152.62 F  
46.526 M 152.308

H is 4' ± S14 E

I = 5 1/8" I.P.

164-28-02 164-27-57

(J) 328-5554

86-10

177.30 F  
54.042 M 176.905

T@J BS H

153-32-48 153-32-41

(K) 307-05-22

J is 7' ± S14 E

T@K BS J

255-57-50 255-57-42

92-29

147.90 F  
45.080 M 147.761

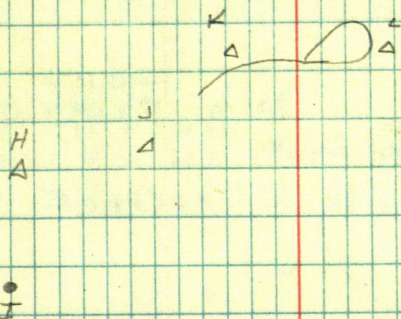
(L) 511-55-24

92-42

216.55 F  
66.005 M 216.31

K is 32' ± N14 E

30' ± Tangents









L. GASIPK

7029 BSA

49-52-30 49-52-33

(66) 99-45-06

90-06 1925.21F  
586.802M 1925.202

PT 66' 10' ± to water

51-42-30 51-42-27

(67) 163-24-54

90-03 2040.43F  
621.926M 2040.432

PT 67' 12' ± to water

~~51-42-29~~  
165

70 29 BS A

52-59 52-59-03

(70) 105-58-06

10' ± WATER

90-03

2075.21  
632.522 2075.204

70 29 BS A

55-27 55-26-57

0

(71) 110-53-54

10' ± WATER

90-04

2118.42  
645.695 2118.417

70 29 BS A

58-05-54 58-05-52

(72) 116-11-44

15' ± WATER

90-02

2142.94  
653.171 2142.942

70 29 BS A

61-23-30 61-23-23

(73) 122-46-46

20' ± WATER

90-05

2138.76  
651.892 2138.752

70 29 BS A

67-53-24 67-53-18

(74) 127-46-36

20' ± WATER

90-03

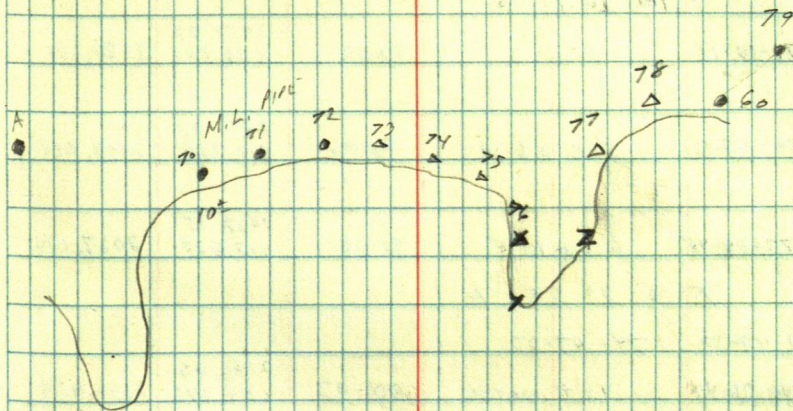
2144.97  
653.784 2144.962

-6° CLK

F. COLO  
K. METCALF

2-12-85

20



BASS LK

29



# L. GASINK

1 @ 29 BS A

66-20-30 66-20-31

(75) 132-41-02 20± WATER 90-03 2160.78  
658.610 2160.784

1 @ 29 BS A

68-55-18 68-55-21

(76) 137-50-42 15± WATER 90-04 2126.58  
648.181 2126.576

1 @ 29 BS A

X 70-10-18 8± 90-02 2087.27  
636.202 2087.271

Y 70-47-12 5'S + 6' W 90-06 2007.08  
611.762 2007.081

Z 73-04-48 6'S + 10'E 90-06 2027.15  
617.875 2027.144

1 @ 29 BS A

74-43-30 74-43-22

(77) 149-26-44 12± WATER 90-03 2146.46  
654.242 2146.459

1 @ 29 BS A

76-54-30 76-54-32

(78) 153-49-04 15± WATER 90-03 2176.02  
663.253 2176.02

1 @ 60 BS 29

237-35-54 237-35-39

(79) 475-11-18 48.71' CH



$\pi @ 21 \text{ BS } 29$   
 253-56-18    253-56-23  
 (80) 507-52-46    90-52    422.47  
    128.771    422.424

$\pi @ 21 \text{ BS } 29$     PIS  
 W 251-30-36    15'S  $\frac{1}{2}$     90-51    144.25  
    43.952    144.209

V 76-10-12    10'S  $\frac{1}{2}$     94-35    112.27  
    34.220    111.911

U 91-50-12    4' N  $\frac{1}{2}$     71-18    327.03  
    99.679    326.946

T 87-36    END    87-47    752.72  
    229.424    752.706

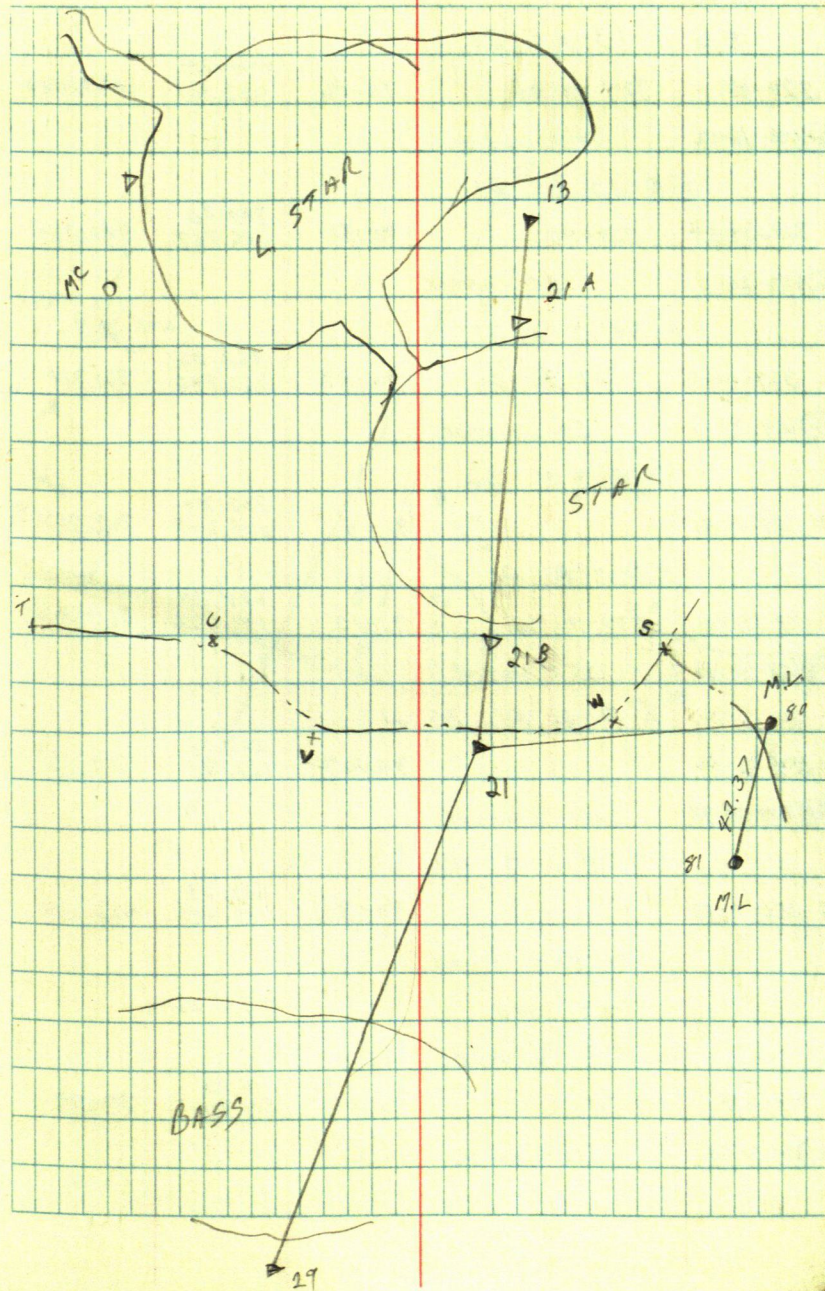
$\pi @ 80 \text{ BS } 21$   
 298-23-12    298-23-03

(8) 596.46-06    42.37 CH

$\pi @ 80 \text{ BS } 21$   
 S 33-41-42    PI    204  $\pm$

$\pi @ 21 \text{ BS } 13$   
 21A    71-10    919.37  
    280.208    919.132

21B    94-41    197.68  
    60.254    197.022





# L. GASINK

T @ 13 BS 21

324-08 324-08-06 90-46 1060.24  
323.161 1060.144

(80) 648-16-12 10'± WATER

T @ 13 BS 21

329-39-54 329-40 90-51 940.82  
286.767 940.724

(81) 659-20-0 25'± WATER

T @ 13 BS 21

329-41-50 329-42-00 90-53 862.02  
262.742 861.914

(82) 659-24-0 20'± WATER

T @ 13 BS 21

F 324-44-50 91-10 702.84  
214.243 702.747

T @ 13 BS 21

334-19-44 334-19-50 91-12 628.70  
191.626 628.559

(83) 668-39-40 25'± WATER

T @ 21 A BS 21

354-12-50 90-03 517.76  
157.814 517.76

(84) 708-25-48 20' TO WATER

T @ 21 A BS 21

G 356-0-42 90-32 622.29  
189.681 622.274

50' E TO SHORE

SAME LINE

+ 70' SOUTH

T @ 21 A BS 21

7-15-18 7-15-12 90-13 714.93  
217.914 714.93

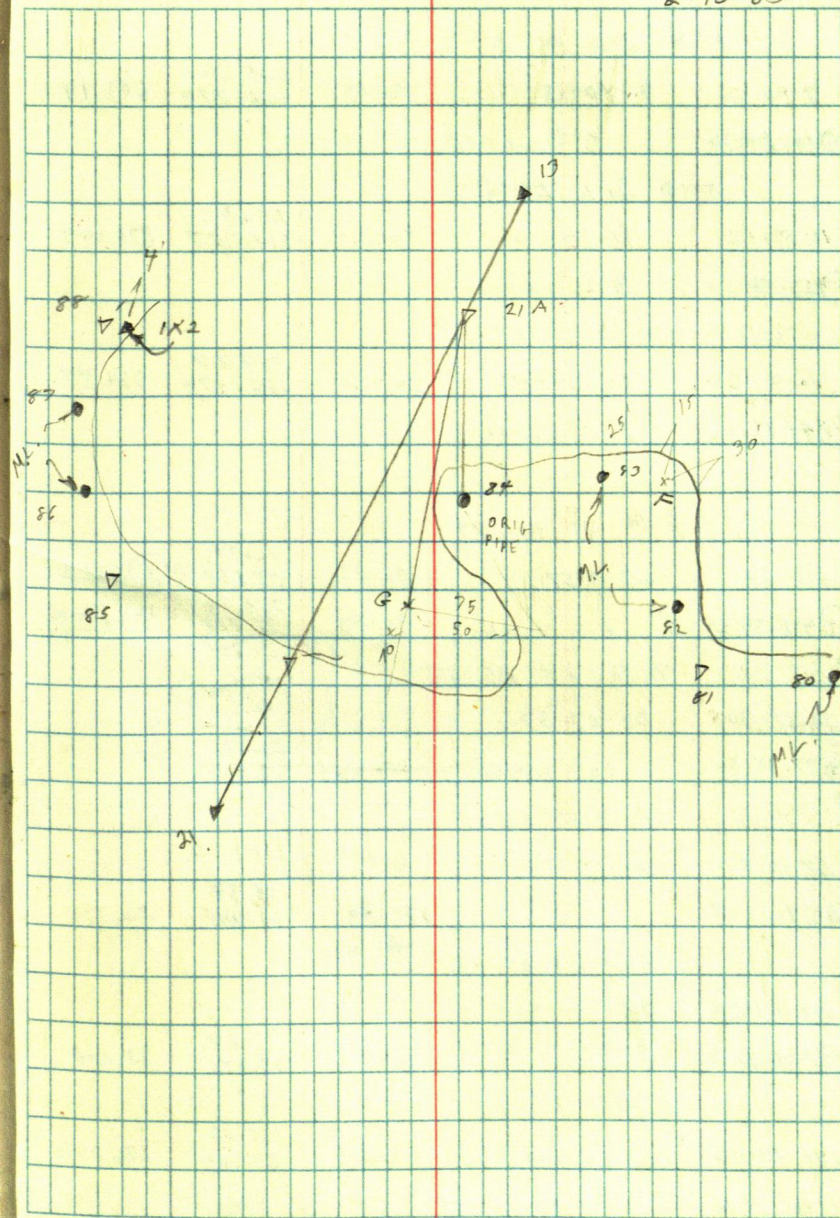
(85) 14-30-24 15'± WATER

12° SNOWING + WINDY

E CURD  
F METALF

2-13-85

23





# L GASINK

π @ 21A BS 21

9-40-16	9-40-15	90-19	685.20 208.850	685.191
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(80) 19-20-30 3' ± WATER

π @ 21A BS 21

11-59-12	11-59-10	90-20	670.46 204.357	670.449
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(87) 23-58-20 6' ± WATER

π @ 21A BS 21

22-09-30	22-09-33	90-10	564.87 172.174	564.87
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(88) 44-19-06 8' ± WATER

π @ 90 BS 89

213-20	213-19-57	90-12	116.94 35.654	116.957
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(24) 426-39-54 6' ± WATER 90-43 234.36  
71.428 234.333

π @ 24 BS 13

38-57-30	38-57-33			
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(90) 77-55-06 10' ± WATER 270-32 96.74  
27.487

π @ 24 BS 13

67-14-42	67-14-39			
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(91) 134-29-18 270-32 96.74  
29.487 96.737

π @ 24 BS 13

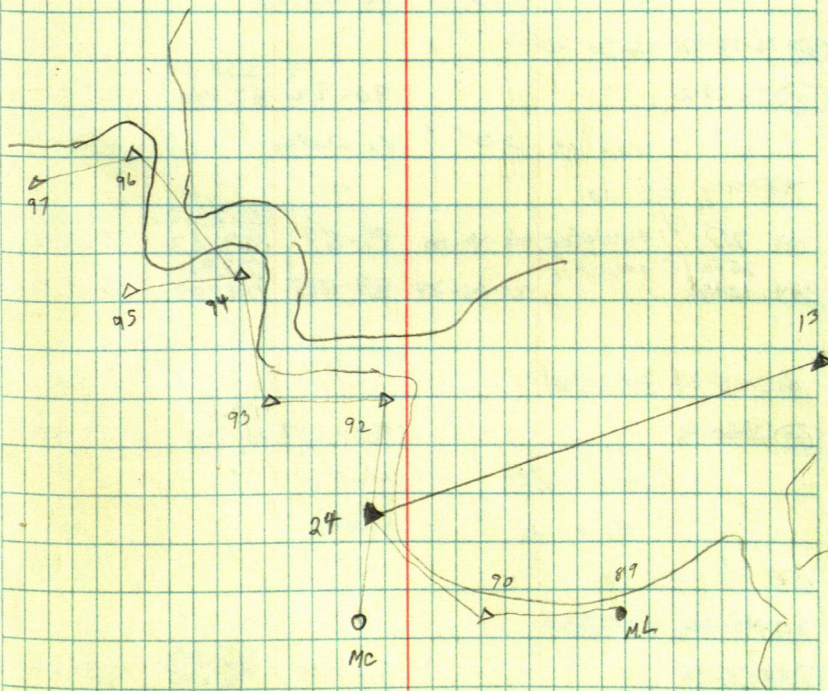
246-44-24	246-44-15			
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(92) 493-28-20 90-40 95.27  
29.041 95.268

π @ 92 BS 93

240-57-06	240-57-08	89-08	196.03 59.761	196.026
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(89) 481-54-16 20' E TO LK 10' N TO CREEK





L. Cassin K

K@64 BS 29

107-12-00 107-11-50

(107) 214-23-40 90-25 179.79  
54.804 179.792

K@ 101 BS 98

542.93

82-00 81-59-52 89-59 ~~543.89~~  
165.471 542.906

(69) 163-59-44

set Pt 99 on line @ 90-07 430.91  
131.345 430.914

101 12 12' ± to water

(26) 26-26-48 26-26-45

(102) 52-53-20 90-22 220.90  
67.340 220.91

102 15 20' ± to water

K@ 99 BS 101

103 25 1/2 to water 08-44-00 89-51 522.22  
159.182 522.23

104 25 N14 21-01-24 89-55 569.92  
173.709 569.914

315-25-24 315-25-24

(100) 2050-48 90-27 137.20  
41.793 137.194

100 is 20' ± to water

99 is 6' ± to water

K@ 98 BS 101

212-47-42 212-47-32

(97) 425-35-04 90-47 315.69  
96.216 315.648

98 is 6' ± to water

E. Curo  
K. Metcalf

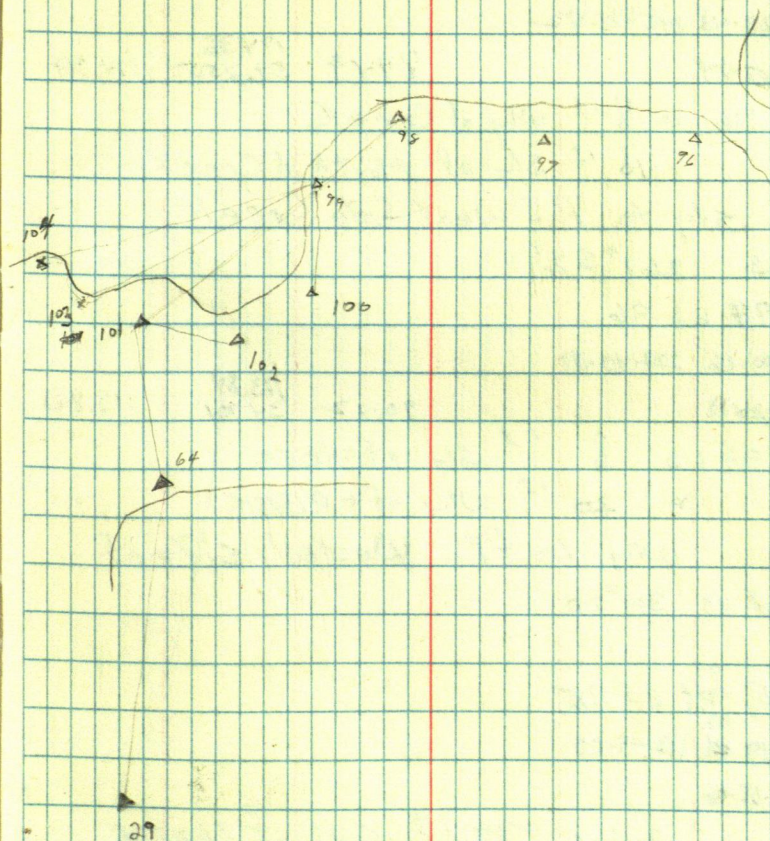
2-14-85

Clear & windy

25

Rod Reading 8'

Read Appx 4 1/2' Between 64 & 101





Λ@97 BS 98

165-10-00 165-09-53

99 330-19-46

90-12

345.56

105.325 345.554

97 is 35'± to water

Λ@96 BS 97

245-25-48 245-25-42

99 490-51-24

89-19

194.36

59.255

194.369

96 is 8'± wly of Creek

18'± Sly of Mouth of Creek

✕ Sly to P.I. West Side Creek

is 267°52'

Λ@94 BS 96

223-10-06 223-10-09

99 446-20-18

90-12

113.84

34.701

113.843

95 is 8'± Sly of CREEK

✕ 20'± wly of CREEK

✕ wly to P.I. Westerly side of

Creek is 301°20'

Λ@<sup>93</sup>~~94~~ BS 95

113-19-<sup>06</sup>~~04~~ 113-19-03

99 226-38-06

94 is 22'± SWly of CREEK



DON JENSEN

K @ A B S B

8

165-56-54

89-19

161.15

49.115

161.133

0.371-53-44

165-56-52

90-40

210.11

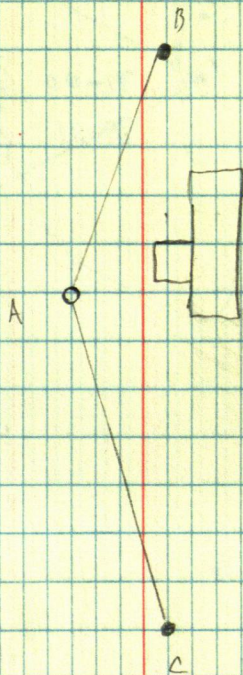
64.044

210.100

25° CR windy

ECARD  
K. METCALF  
2-19-84

27



PLEASANT  
LK



OX YOKE WHITELEY

PT 8L7-10-139.30

Λ@ 2 BS 1

164-50-00 164-49-57

91-54

806.80

245.915

806.36

⑤ 329-51-54

90-48

1883.90

574.216

1883.72

PT 3 = SW LOT COR IN PLACE

Λ@ 4 BS 3

142-04-00 142-04-02

91-00

2275.73

693.645 M

2275.385

⑤ 284-18-04

89-31

429.50 F

130.910 M

429.482

Λ@ 3 BS 2

70-06-12

④ 140-12-20 70-06-10

198-54-06 198-54-00

⑦ 397-48-00

Λ@ W 1/4 BS 6

87-18-06

4174-36 87-18

Λ@ 7 BS OLD # 7

76-14-22

90-27

1208.76

368.488

1208.718

③ 192-28-30 76-14-15

90-35

89.284

292.25

292.826

E. CURD  
K. METCALF

Feb. 19, 1985

Clear 35°

28

● 6 NW COR

W 1/4  
ST  
OX

4

OX YOKE

8

7

10

SUROR

2 1/2

2 1/2

2 1/2

TwP  
Rd.

OLD # 7

564 BK 286

PG 64

6



OK YOICE WHITELY

K@ 7 BS OLD 7

23-29-06 23-28-57

⑨ 46-57-54

CH  
5.82

1 1/4' 2" I.P.

24-25-06 24-25-09

⑩ 48-50-18

267-11 76.82 23.418 76.733

2" I.P.

K@ 3 BS 7

293-09-24 293-09-32

⑧ 586-19-04

CH  
108.10

K@ OLD 7 BS NEW 7

148-00-30 148-00-27

⑥ 296-00-54

E. LORO  
K METCALF

Feb 20, 1985  
Clear 35°

29



Nadeau

Λ@B BS A

180°

B-A	150.82	
88-05	45.967	150.73
B-C	367.26	
94-17	111.941	366.234

set D on Line

Λ@D BS C

104-35-00 104-34-53

209-09-46

D-C	343.22	
94-07	104.610	342.329
D-E	353.98	
92-22	107.895	353.681

Λ@E BS D

180° set F @ 49.31

Λ@F BS D

75-25-07

set G @ 20.70

76-09

308.49

offset set I.P. 3.95 Ely

Λ@H BS D

75-25-07 set 1 60d Sp

Λ@I BS H

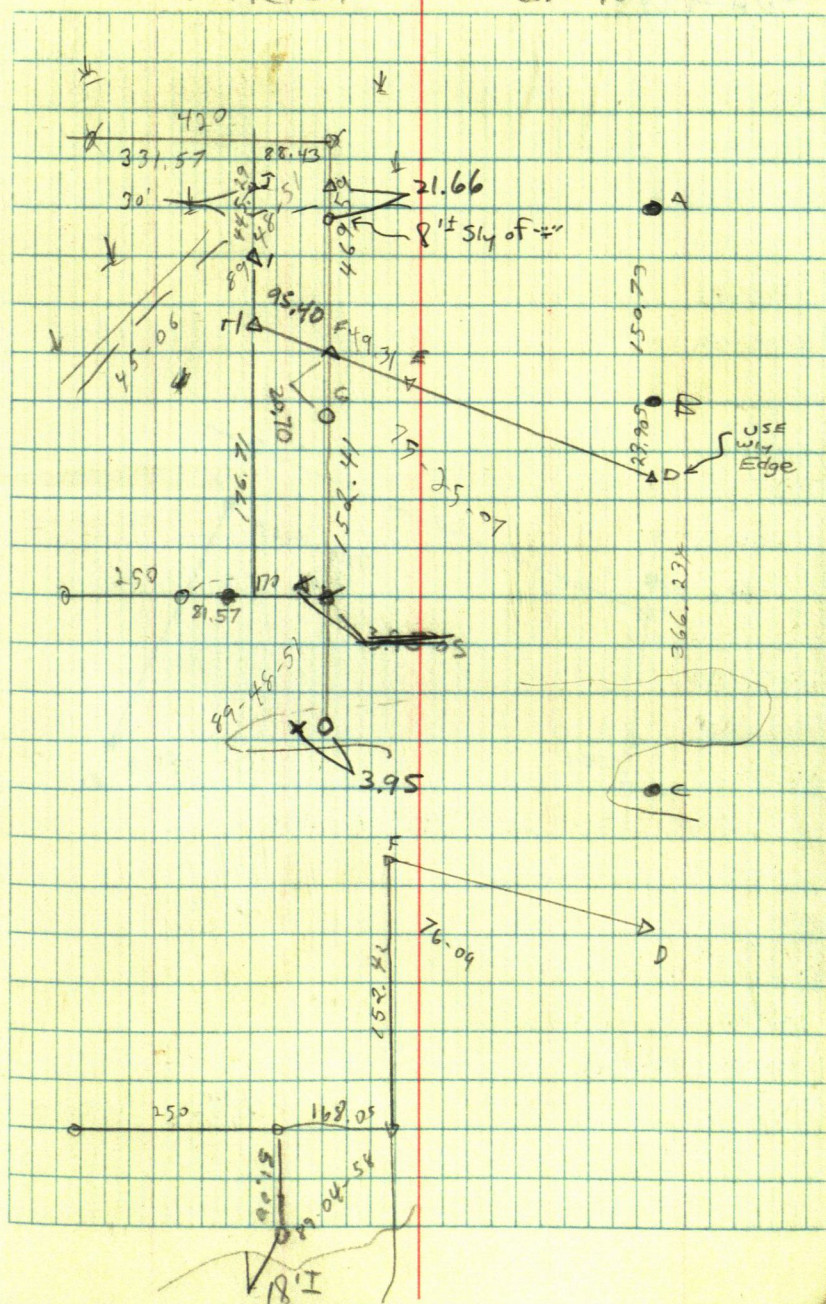
180°

I-H	144.10	
90-38	43.923	144.093
I-J	190.79	
93-42	58.155	190.396

E. Curo  
K. Metcalf

2-20-85  
Cir. 40°

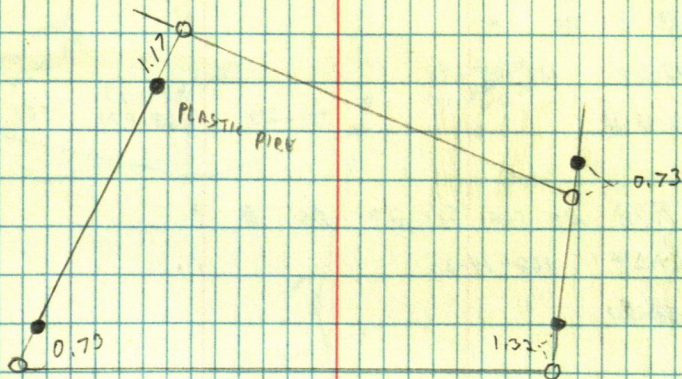
30





WHITELY

31





RUTH HOLMS

28-140-29

T @ A BS NW COR SEC 29

178-02-50	178-02-54	90-19	2773.02 833.030	2732.984
(B) 356-05-48		89-57	1626.89 495.869	1626.876

16-41-54 16-41-45

(1/4) 33-23-30		77-00	115.86 35.311	115.696
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T @ B BS A

181-07-50 181-07-48

(S. COR) 362-15-36		91-27	882.13 268.871	981.843
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T @ NE COR SEC 29 BS B

168-14-24 168-14-25

(C) 336-28-50

T @ C BS NE COR SEC 29

203-06-03	203-06-03	89-02	820.59 250.123	820.484
(D) 406-12-06		89-33	1133.80 345.575	1133.784

T @ B BS NE COR SEC 29

112-45 112-44-55

(1) 225-29-50		91-34	640.10 195.102	639.859
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KEN MEZCAL

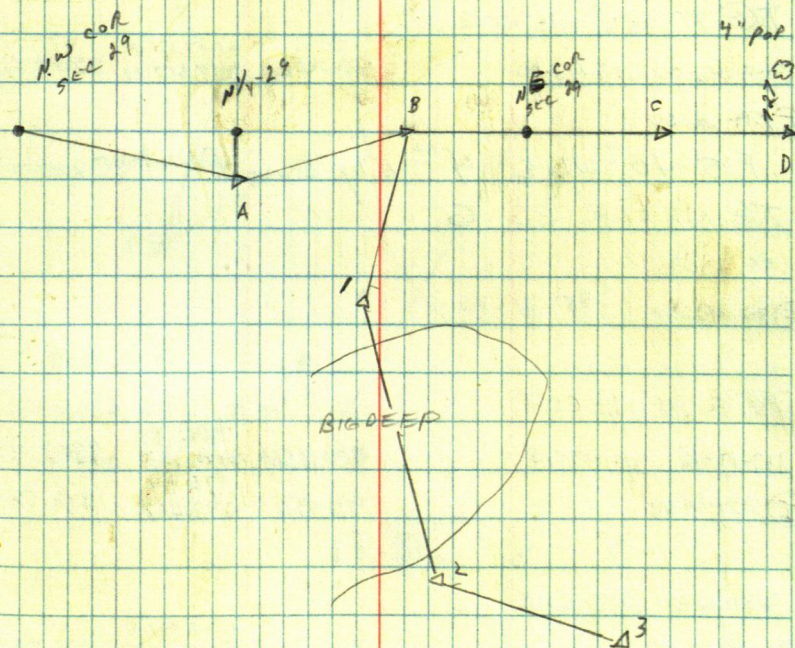
4-2-84

32

TIES TO P+B

12" RO N 20° W 15.18'

20" RO N 40° E 19.61





T@ D BS C

217-26-36

E 426-52-58 213-26-29

T@ E BS F

105-24-48 105-24-41

88-35

285.19

285.101

D 210-49-22

91-02

299.91 F

299.258

FIS 27<sup>th</sup> Ely of E and 6<sup>th</sup> NWly of trail

T@ F BS NE COR 28

309-43-00 309-43-00

90-42

3207.41 F

3207.164

E 519-26-00

FIS 40<sup>th</sup> Wly E 4<sup>th</sup> Ely Guy Anchor in Gully

T@ NE COR BS G

45-21-12

F 90-42-20

45-21-10

T@ G BS NE COR

117-17-18 117-17-15

90-36

3842.37

3842.157

D 234-34-30

90-50

976.69

976.589

8<sup>th</sup> Wly of E

299-26-50 299-26-45

H 598-53-30

90-32

1125.57 F

1125.521

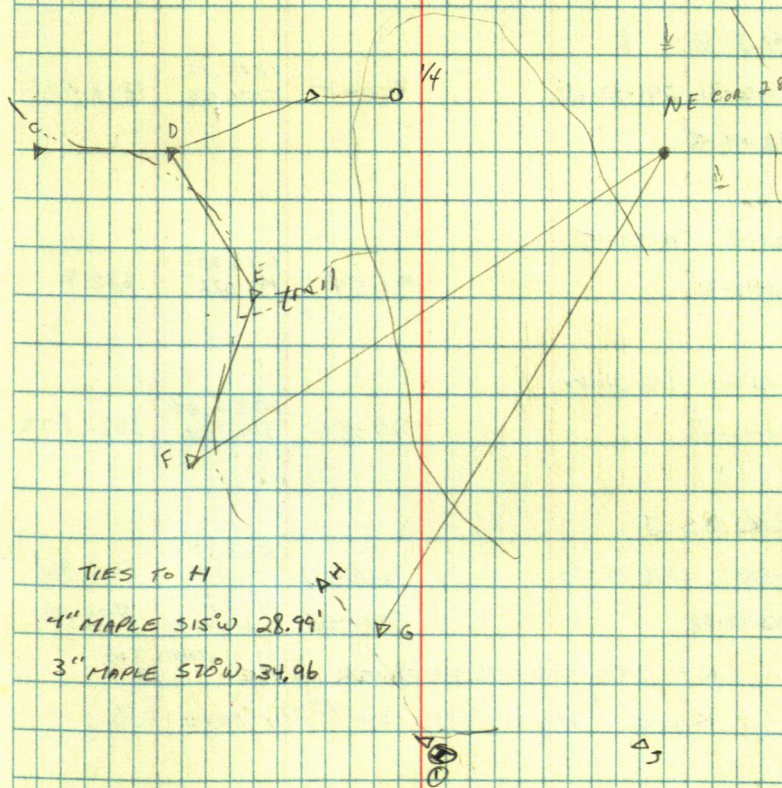
HIS 11<sup>th</sup> Ely Entrance Sign to Deep Portage

0° CLR

E CURD  
H. METCALF  
2-27-50

33

340  
259  
519





Λ@ I BS J

244-16-30 244-16-33

⑥488-33-06

Λ@ J BS I

291-32-36 291-32-29

90-17 1818.11  
554.166 1818.096

⑧583-04-58

111-21-18 111-21-15

④222-42-30

91-54 633.23  
193.026 632.91

132-21-30 132-21-24

③264-42-48

90-37 1032.60  
314.732 1032.532

Λ@ K BS J

146-00 146-00-03

90-07 568.37  
173.239 568.368

②292-00-06

91-43 853.57F  
260.4654 853.181

N = SEC COR BY BEAVER HOUSE  
OVAL TOP  
I.P.

K is 6' ± W by 24" N.P. 36' ± S by House Office

Λ@ L BS J

163-08-26 163-08-30

⑦326-17-00

O = OLD TRAIL POINT

K. Metcalf

2-28-85 34  
Mostly Clear 40° Breezy















CAL WALLIN

GL 748-31-136-28

A @ NE COR BS W

180-00

①	89-00	71.94 21.922	71.92
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A @ 1 BS WEST

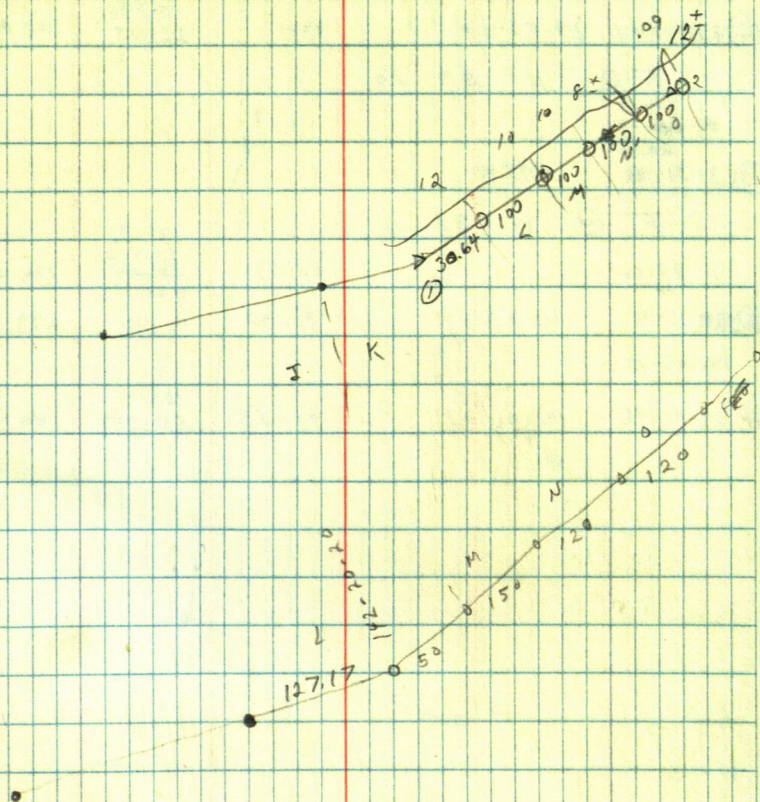
151-53-36

2	303-46-12	90-30	430.57 131.239	430.555
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30° CLR

E. CURD  
STEVE MCK  
4-4-85

38





FRANK HOCHMAYR

10 05 11

119-53-50

(12) 239-47.48

119-53-54

93-

79.596

261.15

260.788

X @ 11 B5 10

45-48

01-02-03

~~15~~ 30

(13) 3-31-102

145.45

50 90

$\pi @ 13 \text{ BS } 11$

176.31

53 738

176, 265

299.99

61. 1435

111-07-50

88-45

15222-15-36

111-07.48

91.30

61. 1435

279.884

191-06-15

14 22-12-06

191. 06/03

91-55

181.10

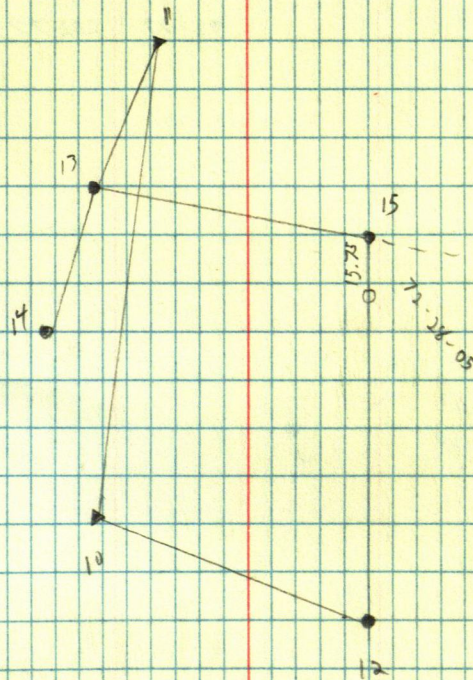
55.19

180.993

30° cloudy windy

W. C. RO  
STEVE M.  
4-5-85

39





MRS SCHARFEDER

T @ 2 05 1

3 113-28-53

T @ 3 05 4

② 183-02-40

93.20

183.51

183,168

② 183-02-40

91.05

252.77

252,724

359-59-60

183-07-40

176-52-20

35° WINDY CLOY

E. CURD  
STEVE M.  
4-5-65

40

1

2

3

4



EVELYN HOLMES

A @ 1 BS 2

117-53-30

277.45.18

110.45  
33.668

109.444

TC 2 BS 1

(3) 180

88-36-40

421.34  
128.423

421. 21

103 05 2

④ 180

89-38-24

$$\begin{array}{r} 280.08 \\ 85.368 \\ \hline \end{array}$$

10453

(5) 90-19-32

90.50

432.50  
131.824

432.451

71

91-18

313.39  
95.524

313, 311

8

266.56

177, 182  
581, 30

580.47

7

267.15

195.49  
59.586

195. 27

1 @ 9 BS EAST

91.44-78

90-02

138.04  
194.474

638.038

89-24-30

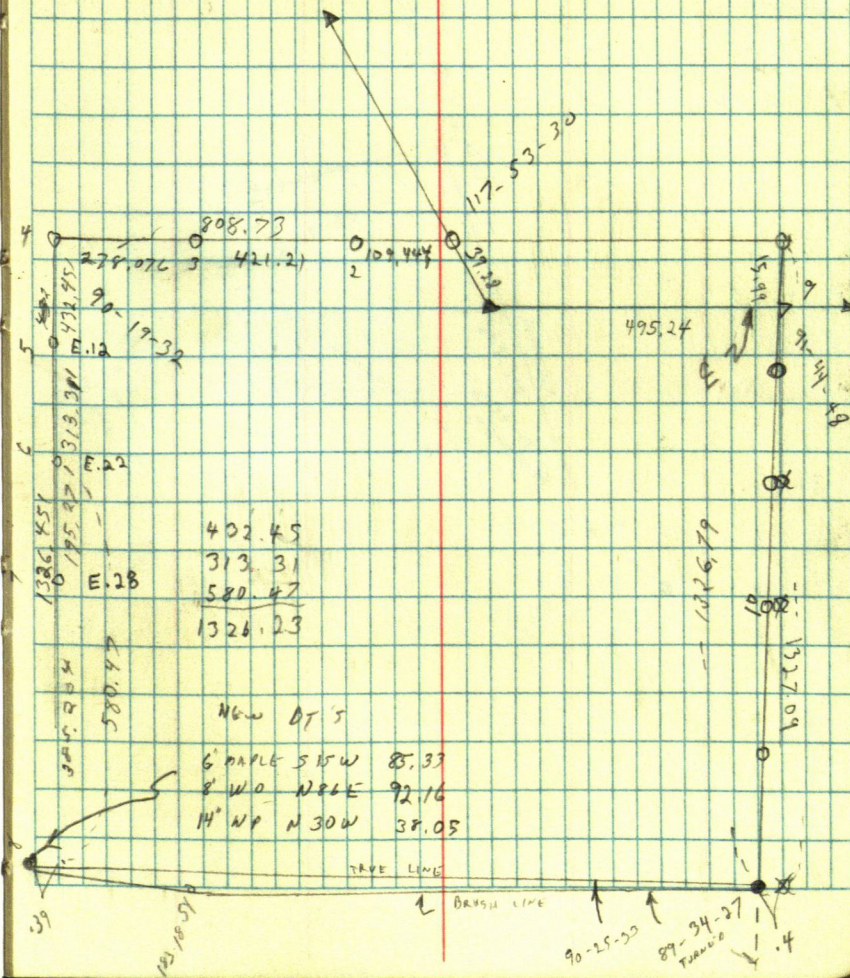
672.80  
205.57

672.764

28° CLR & windy

ECARD  
STEVE MICK  
4-9-85

41





WARD JOHNSON

$\overline{A}$	$A$	$B$	$\overline{B}$
0	0	0	1
0	0	1	0
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	1
1	1	1	0

© 21-00-24

(c) 92-04-54

267.73  
81.559

7 @

⑤ 202-54-16

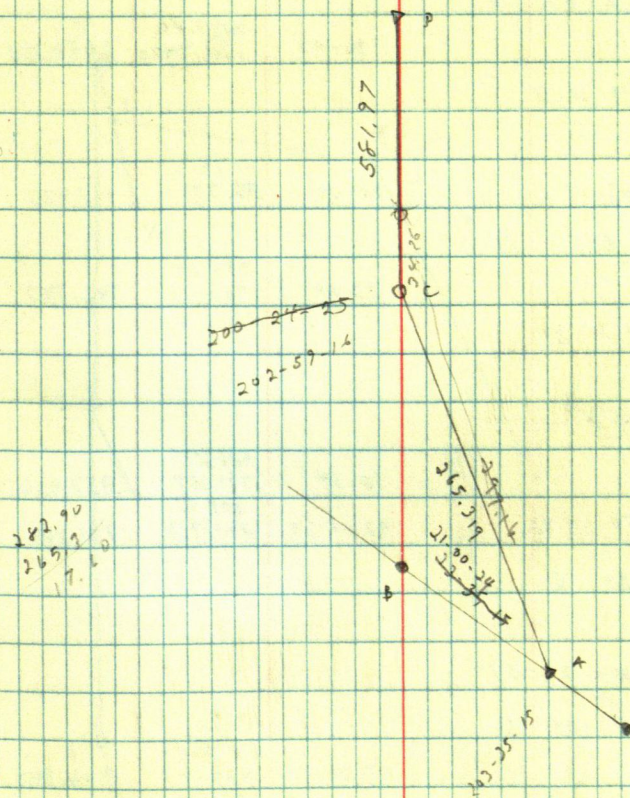
92-22-36

599.09  
162.607

50' clay

E Curo  
STEVEN MICK  
4-12-85

42





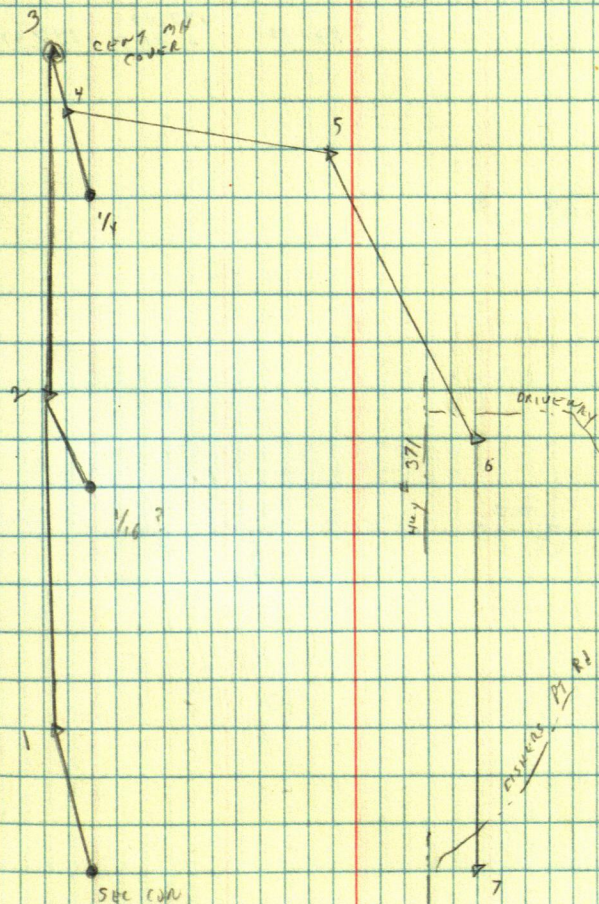
## DIRA FISH-R

$\pi @$	1 BS	2			
163-44-42			88-47	1190.44	
327-29-06	163-44-33		96-28	362.846	1190.17
SEC COR				99.34	
$\pi @$	2 BS	3			
179-20-40			90-03	2049.86	
				624.798	2049.858
(1) 358-41-09	179-20-35				
163-27-30					
162-42-45					
$\frac{1}{16}$ 326-54-24	163-27-12		98-24	119.10	
				36.337	117.923
$\pi @$	3 BS	$\frac{1}{4}$			
1-31-42			93-08	994.47	
				307.115	992.983
2 3-03-06	1-31-33				
$\pi @$	4 BS	5			
59-33-48			90-54	988.05	
				301.157	987.926
$\frac{1}{4}$ 119-07-24	59-33-42		92-02-1/2	800.46	
				243.962	799.869
$\pi @$	5 BS	6			
204-23					
4 48-45-52	204-22-56				
$\pi @$	6 BS	5			
184-22-30			87-36-30	1408.06	
				429.146	1406.847
7 8-45	184-22-30		90-36-18	1536.36	
				766.282	1536.272

40° COLD WIND CLOUD

6 CORD  
STOVE M.  
4-17-85

43





MIKE ORTH

1 A 1 B 5 2

ORIG. PLAT PINE RIVER  
LOT 12 PT LOT 13 BLK 11

70-72

288.01  
87.785

88-30

137.43

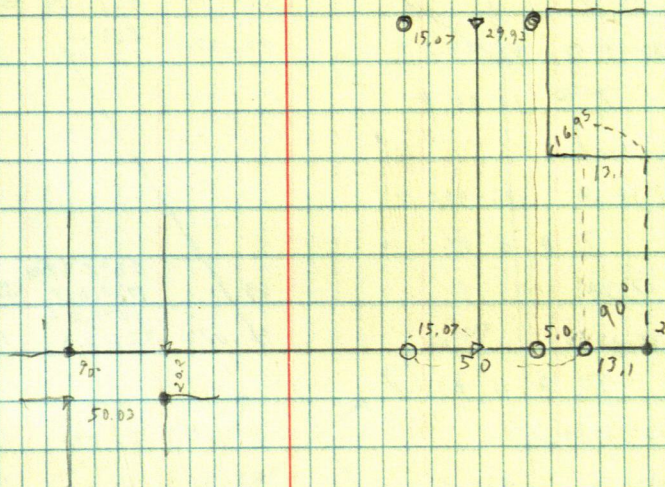
41.887

137.34

80° CLR

5. CURD  
5. MICK  
4-18-85

44





D. FISHER

T @ 7 BS 8

179-08-20

⑥ 354-16-33

179-08-16

T @ 6 BS 7

106-08-15

106-08-06

② 212-16-12

T @ 9 BS 6

69-54-54

91-57-24

774.79

236.065

774.069

⑩ 139-49-54 69-54-57

90-34

529.60

161.423

529.575

T @ 10 BS 8

192-49-18

⑦ 25-34-22 192-49-11

T @ 8 BS 10

17-38

69-14

2395.28

730.005

2394.938

⑦ 35-15-50

90-07

1070.26

326.215

1070.256

T @ 11 BS 8

230-16-50

89-54

1023.28

311.494

1023.283

⑫ 460-34 230-17

96-00

140.96

42.966

140.19

T @ 8 BS 11

20-33

⑦ 41-05-50 20-32-55

T @ 7A BS 8

300-32-24

270-04-18

919.81

280.358

919.806

⑩ 241-04-12 300-32-06

251-23

56.87

17.335

53.876

T @ 11 BS 8

251-05-18

251-05-24

151.60

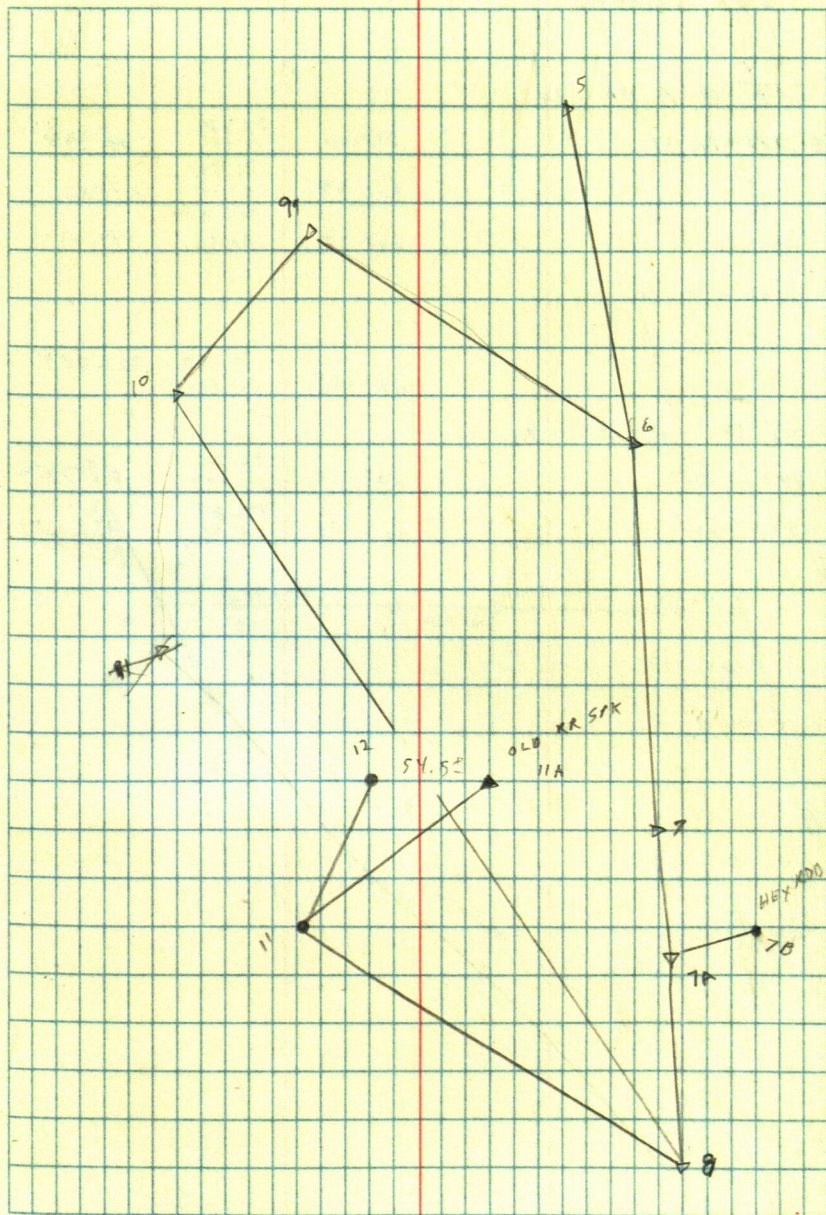
46.205

150.737

11A

83-54

45





DIRK FISHER

T @ A BS 10

B 122-19-38	217.20	37.28 16.36	34.396
	267.49	76.594 251.28	249.82
	265.33	106.847 350.55	349.492

269.25	223.67 66.175	227.659
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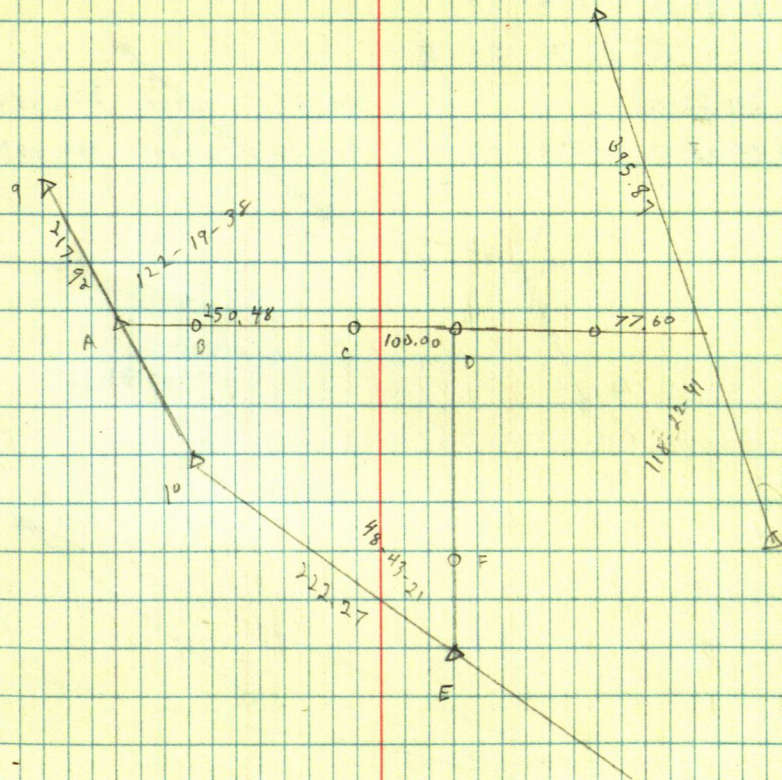
T @ E BS 20

F 48-43-21	265.43	82.02 24.997	81.784
D 48-41-25	266.39	421.85 128.58	421.128

CLR 65°

E. CURD  
STUD M.  
4-19-85

46





GEO. PETERSON

PRT GL 1-29-190-29

T R B BS C

4-51-30

90-40

452.13

137.005

452.09

④ 9-42-54

4-51-27

P R E BS D

188-47-43

F 17-35-06

188-47-33

T R F BS E

221-22-42

90-25

201.39

61.384

201.384

G 22-45-27

221-22-43

90-20

100.29

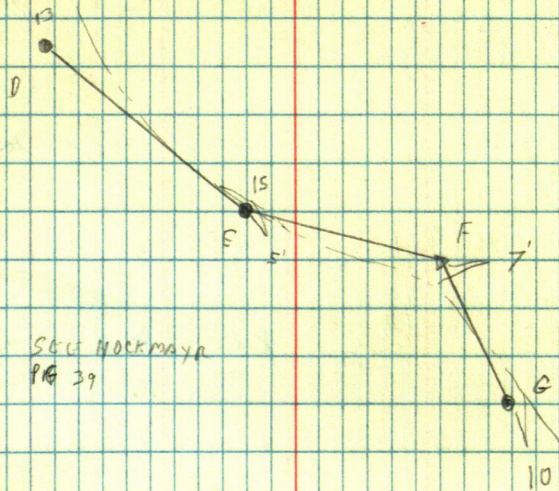
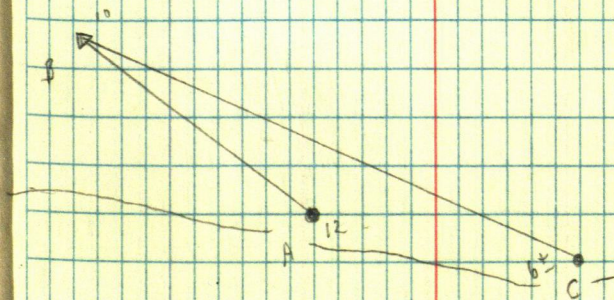
30.569

100.289

75° CLR

E CURA  
S. MICK  
4-19-85

47

SEC HOCKMAYR  
PG 39

BIG DEEP



J. W. JOHNSON

BS

X1

FS

DM

7.7

100

LAKE

GE LOT 10

3.2

4.4

150 TO 2K

5.5

3.0

GE LOT 11  
OPR LN

GE LOT 12

2.5

106.3

100' E OF Rd

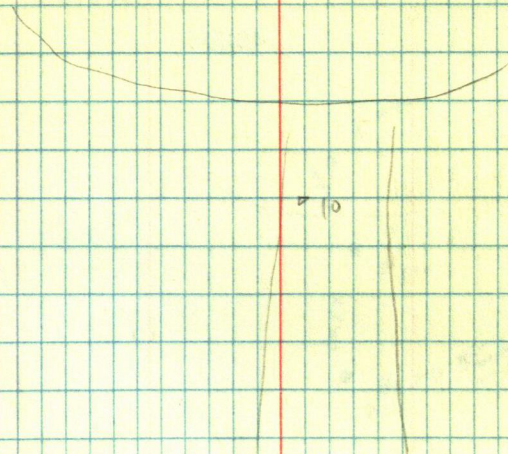
5.4

5.4

8.6

~~8.8~~

WATER





V. ROOYN

TR B BS A

297-26-30

D 297-26-30

297-26

108-29-30

C 216-52-48

108-28-54

198-33-12

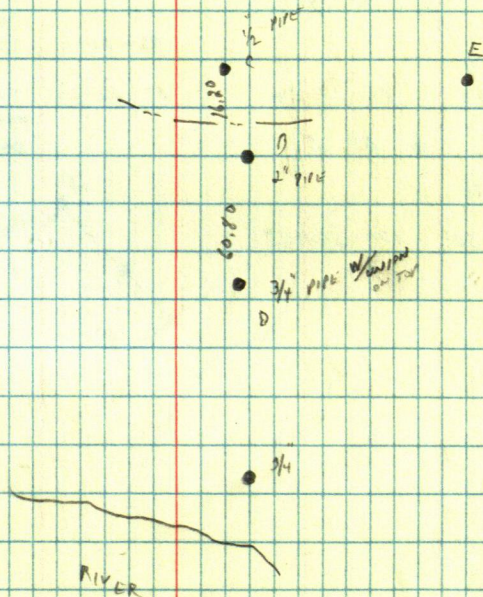
E 97-06-40

198-33-20

88-33

207.01  
61.875

88-33





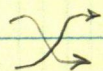
MIKE HARRINGTON

$\pi @ 1 \text{ BS } 3$

② 249-25-12

$\pi @ 3 \text{ BS } 1$

79-21-36



90-02

1955.65

1955.849

596.140

2892.88

861.570

2892.272

④ 158-43-18

79-21-39

90-03

$\pi @ 4 \text{ BS } 3$

120-22-30

⑤ 242-44-54

$\pi @ 5 \text{ BS } 4$

182-55

72-00

799.68

799.18

243.787

226.500

⑥ 5-49-48

182-54-54

89-22-50

743.12

743.068

$\pi @ 6 \text{ BS } 5$

799.28

243.797

179-30-06

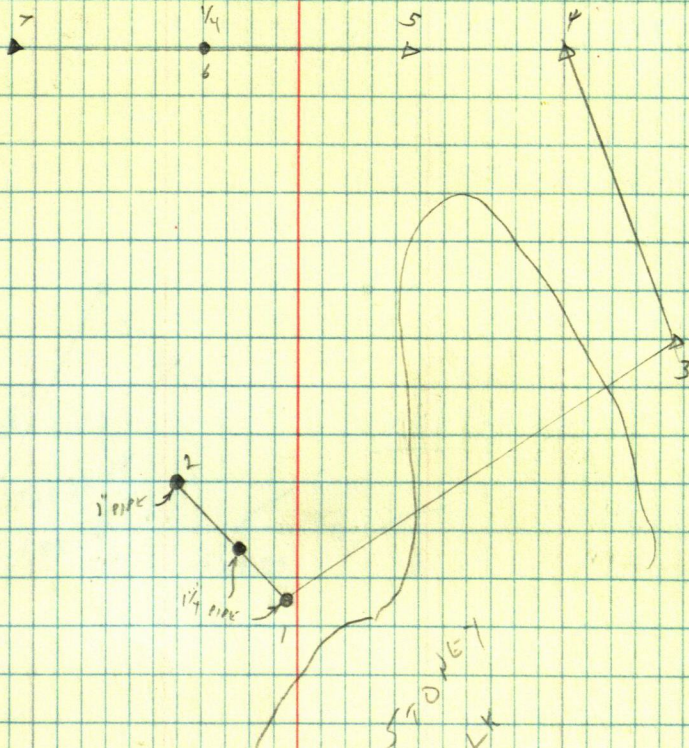
⑦ 359-59-58

179-29-59

RAIN IN AM  
70° + CLR PM

E. COND  
S. MICK  
5-2-85

50





ARLO ABRAMSON

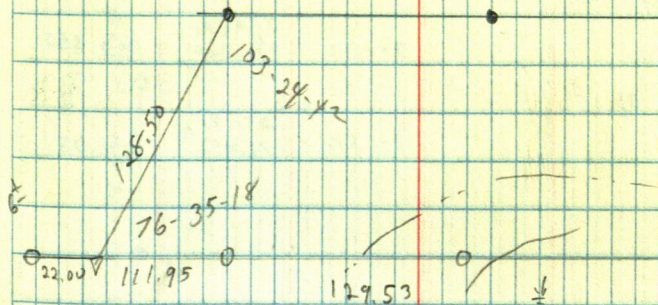
103-24-42 103-24-42

206-79-24

5<sup>0</sup> PTL CLOY

E. CJO  
S. MICK  
5-2-65

51





BOB GREEN

7 @	1	BS	SOUTH
-----	---	----	-------

② 180 -	91-04	121,355	398,074
---------	-------	---------	---------

T @ 2 BS SOUTH

③ 180-	89-03-12	107.425	352.771
--------	----------	---------	---------

④	8F-57	377.94 182.25	597.837
---	-------	------------------	---------

7 @ 4 BS 50V T11

(5)	91.47	243.76	373.340
			<u>-1.6</u>
			371.98

π @ 5 B1 4

① 269-02-49	90-33	134,321	440.662
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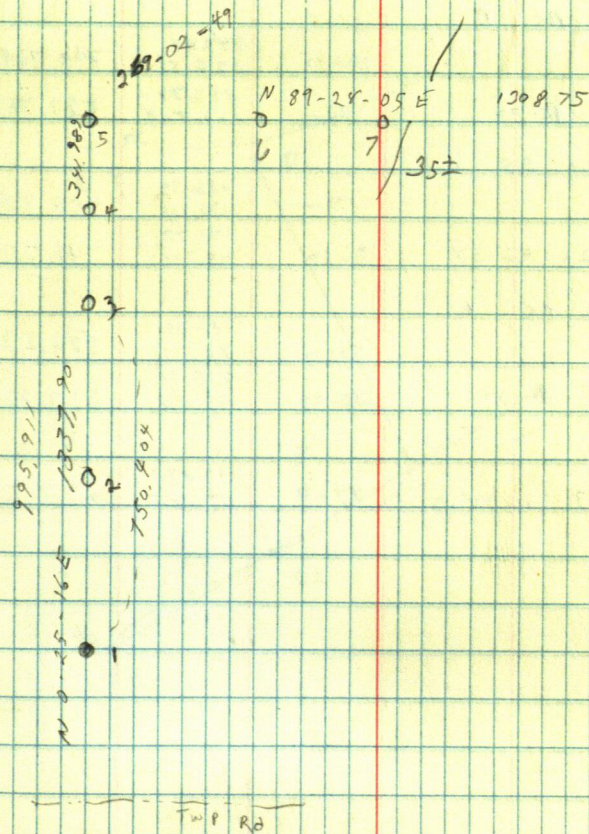
1 ② 6 BS 5

(7)	180-		94.58	231.98 26.402	251.03
-----	------	--	-------	------------------	--------

65° PTLY CLOY  
LT. SHOWER @ 1PM

E. CURD  
 S. MICK  
 5-2-85

52





DAVE SMITH - BLANDIN

T @ A BS B

201-15-36	90-49	749.84 228.552	749.764
(C) 402-31-06	201-15-33	90- 527.78 160.869	527.782

T @ C1 BS A

125-48-54	90-	456.39 139.125 141.77	456.385
(D) 251-37-48	125-48-54	91-29 43.211	141.721

T @ C2 BS A

135-00	90-10	284.24 86.636 253.74	284.238
(E) 270-00-18	135-00-09	90-30 77.338	253.727

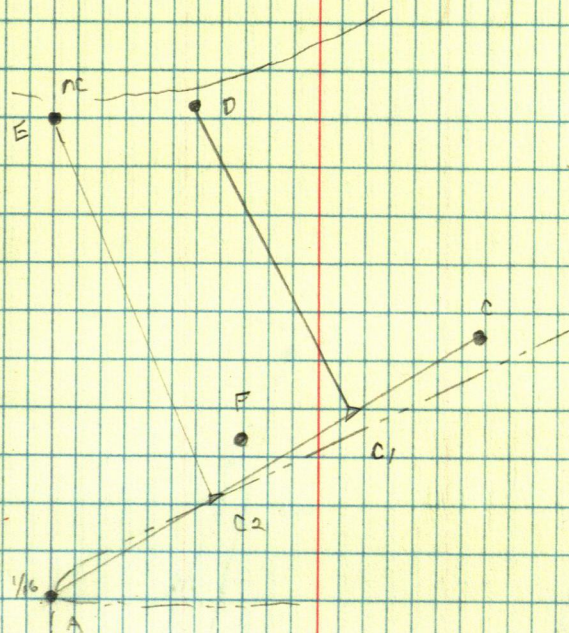
173-25

(F) 346-49-36	173-24-48	94- 63.87 19.467	63.713
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65' CLR + WINDY

B. CURE  
S. MICK  
5-6-85

53



FR 94  
SF 84  
50' 170

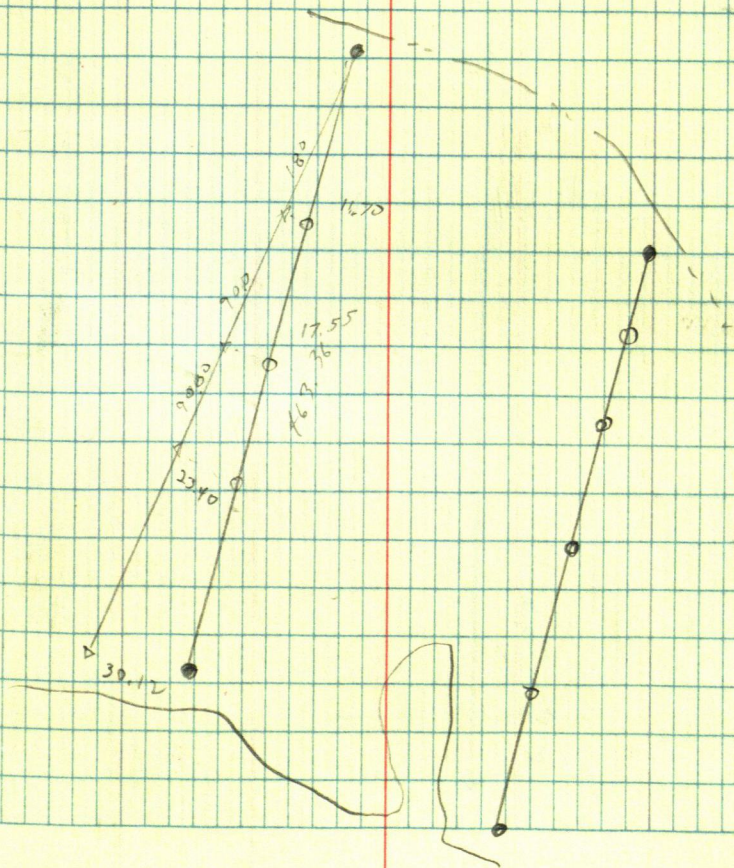


GEO PETERSEN

65° CL + WINDY

E. C. VAD  
S. MOK  
5-6-85

54





LARRY CARTER

55





M. ZAFKE

72-25-72

T @ A OS B

C 180-

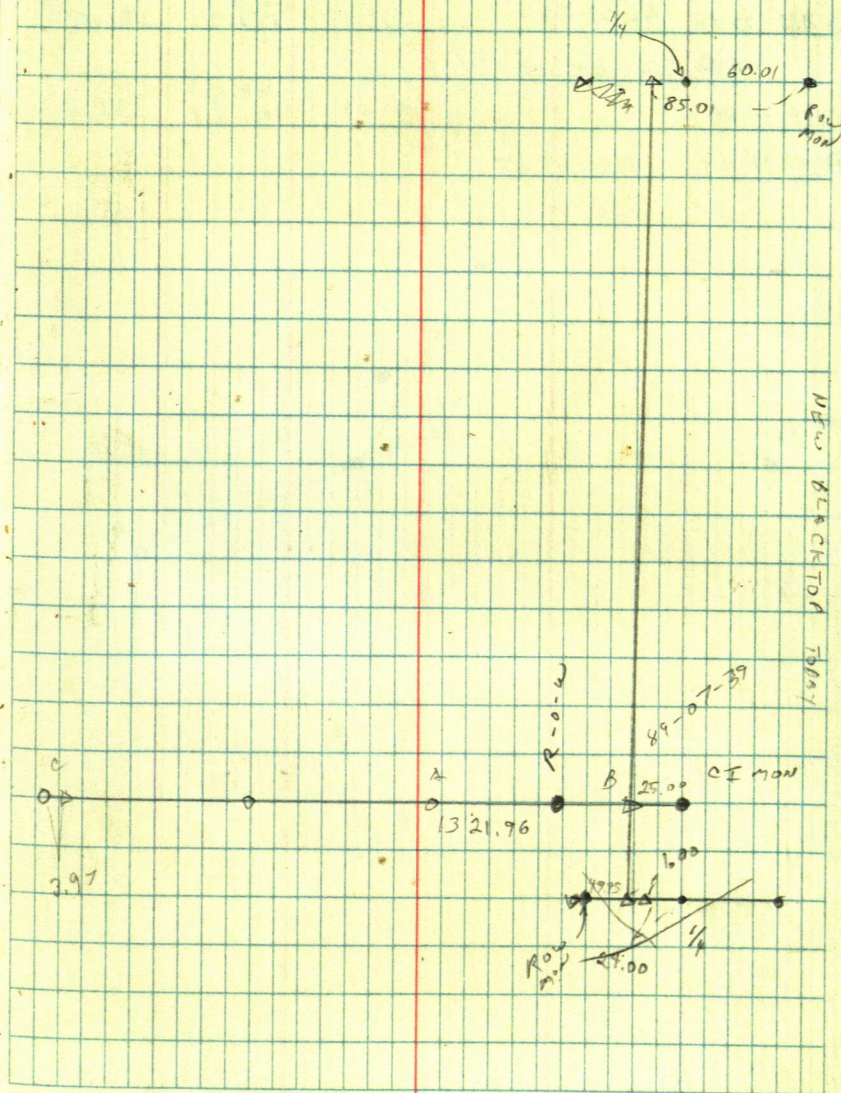
1232.62

89-10	317.60	317.566
	76.844	
90-15	1000.43	1000.426
	301.935	

70-CLL

E. CURD  
S. MICK  
5-2-88

56





ROBERT HINKLE

GL 1+8 -31-143-30

TC 1 BS 2

166-17-39

88-30

187.14

57.03

187.072

3332-27-06

166-17-33

266-28

96.02

29.267

95.838

TC 2 BS 4

199-31-24

91.03

398.69

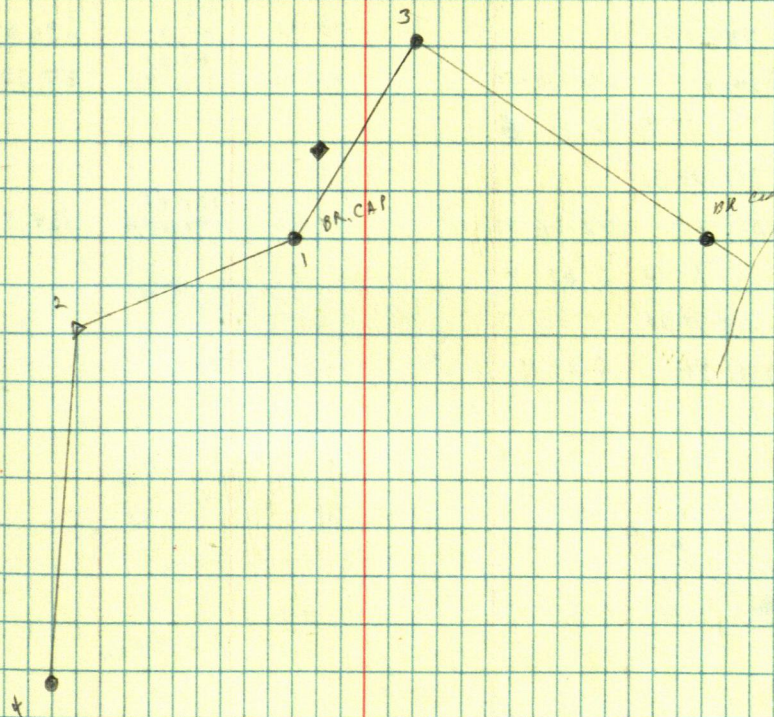
141.518

398.618

039-02-54

199-31-27

57





ELSI6 SPAIN

π @ 2 BS ①

181-06-54 90-02 136.37 41.565 136.369

③ 2-13-36 181-06-48 96-45 127.20 38.721 126.319

π @ 3 BS 2

72-34-06

④ 145-07-50 72-33-55

π @ 4 BS 6

155-10-20 90-38 296.11 90.253 296.092

③ 311-21 155-10-30 89-40 87.33 26.617 87.327

π @ 4 BS 6

342-16-36

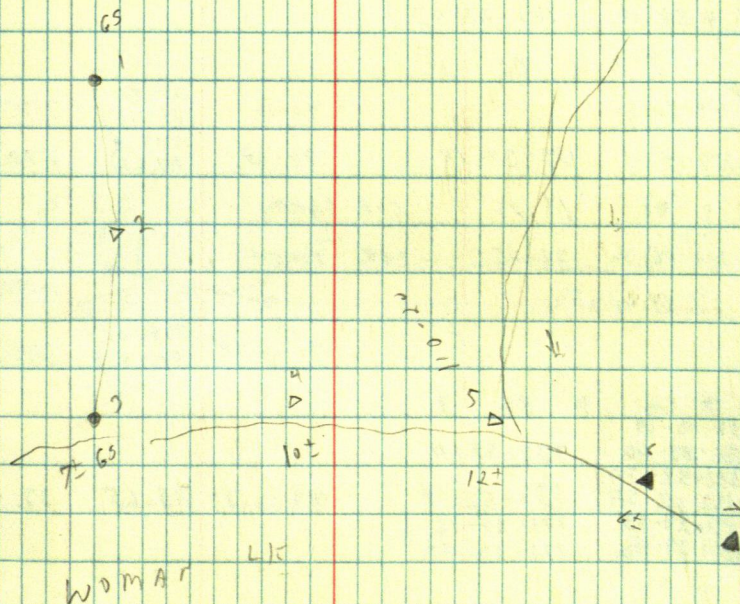
⑤ 324-57 342-26-30 91-10 128.86 39.274 128.829

π @ 6 BS 4

218-14-54

⑦ 76-36 218-15

58





# LEE PALMATEUR

TC 1 BS 80 + 20

90-13-14

90-04

1217.32  
340.561

TC 2 BS 1

81-56

127.47  
28.885

127.47

(3)

91-17

542.81  
165.416

542.669

TC 3 BS 2

182-29-24

(4) 4-58-06 182-29-03

TC 4 BS 3

P 179-37-20

90-10

359.97  
109.716

359.963

(5) 359-14-36 179-37-18

98-13

273.12  
83.251

270.823

A 0-08 16.75' COR BRK

B 140-06-30 36.45 COR PORCH

TC

90-14-48

3441.08  
1048.835

3441.034

TC 4 BS 3

00-00-19

332-52-11

332-52-30

332-52-14

109-12-27

35.65

33.466

0152-52-54

171-27-16

171-27-35

171-22-06

01351-27-46

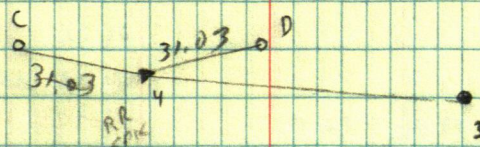
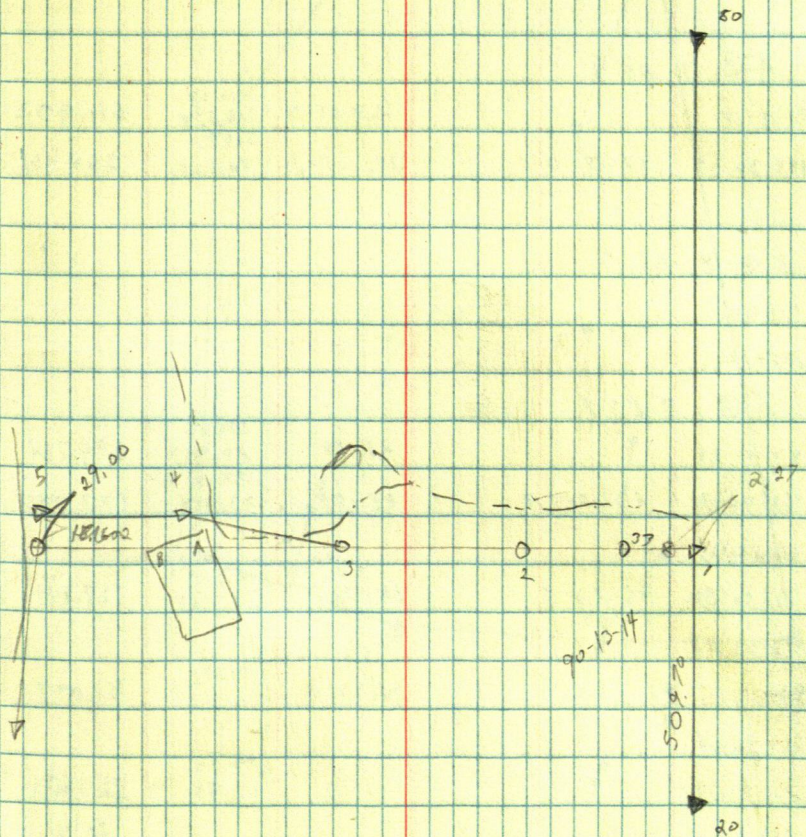
50 cldy windy

E. CURB

S. MILE

5-16-85

59









M. HARRINGTON

4-140-30

K @ 7 BS 8

110-18-06

7A 220-36-06 110-18-03

K @ 7A BS 7B

80-10-30

89-17-54

276.06

84.14

276.034

877.01

7 160-21

90-23

266.097

872.995

K @ 7B BS 7C

135-38-12

7A 271-16-06 135-38-03

K @ 7C BS 7D

239-42-06

88-52

417.62

127.291

417.539

110.949

7B 119-23-42 239-41-56 87-20

364.01

363.613

K @ 7D BS

148-40-41

7C 297-21-06 148-40-33

K @ 7E BS 1

237-04-20

90-25

226.37

68.427

226.363

240.08

7D 114-08-42 237-04-21

88-27

73.178

239.994

K @ 7E BS 1

69-06-45

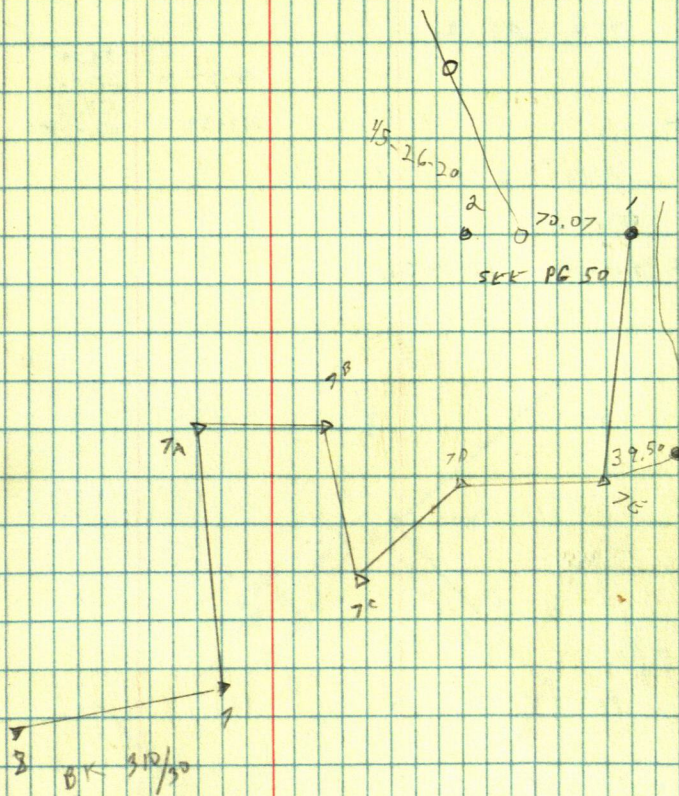
K @ 1 BS 7E

2 78-16-45

750 CLR

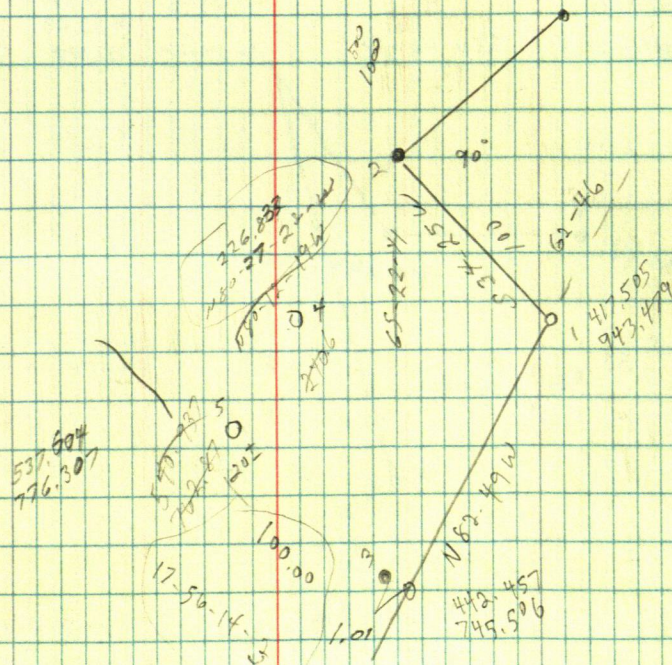
E. CURRO  
S. MILK  
5-24-85

61





4 100-21-03 65-10-32





CHUCK + ELSA NELSON

GL 2-10-140-30

T @ 1/4 BS NW COR

219-15-03

A) 28-29-48 219-14-54

T @ A BS 1/4 COR

184-14-53

90-04

531.09

161.824

531.085

B) 8-29-36 184-14-48

90-00

354.50

108.049

354.495

T @ 1/4 BS NW COR

239-31-42

C) 119-3-18 239-31-39

T @ C BS 1/4 COR

250-41

89-55-42

1310.05

399.304

1310.049

D) 141-21-36 250-40-48

89-34-24

233.29

71.107

233.284

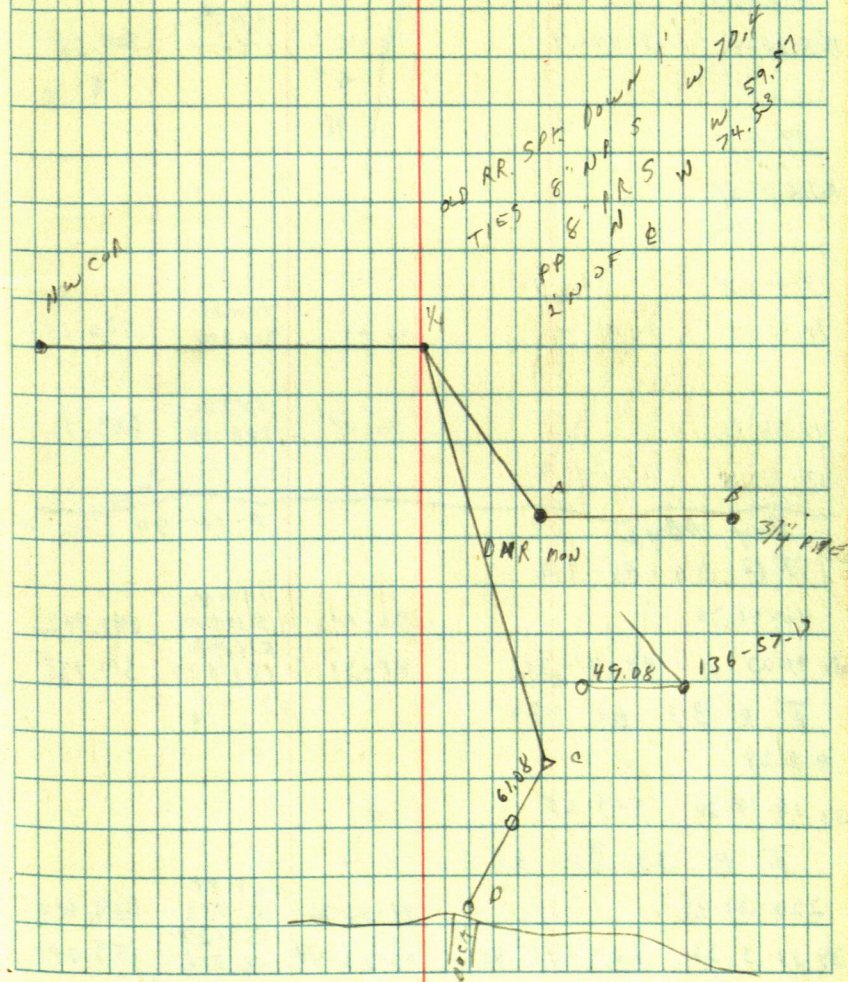
65° Pky CLDY

E. CURD

S. MICK

6-1-85

63

$$\frac{1310.05}{1301.57} = 8.5$$


LARSON CR



B. JOHNSON

T @ 11 BS 13

247-06-15

91-30

2969.74

969.404

295.575

200.73

61.063

200.212

A 107-12-42 247-06-21 72-00

T @ 13 BS 11

2-54-24

145-48-48

2-54-24

90-06

769.30

234.474

769.584

59-11-12

A 118-12-24

9-01-48

18-03-42

9-01-51

90-05

706.05

215.206

706.052

12-36-45

90-04

683.76

208.411

683.76

25-12-30

12-36-45

7-15-90

Roy ABEL

T @ 30 BS 32

48-41-30

92-00

191.86

58.479

191.742

31 97-23-03

48-41-32

88-31

514.92

156.943

514.738

T @ 31 BS 30

9-9-24

33 18-18-50

9-9-25

T @ 33 BS 31

220-31-45

86-46-36

169.88

51.782

169.614

34 81-3-36

220-31-48

93-23-48

153.27

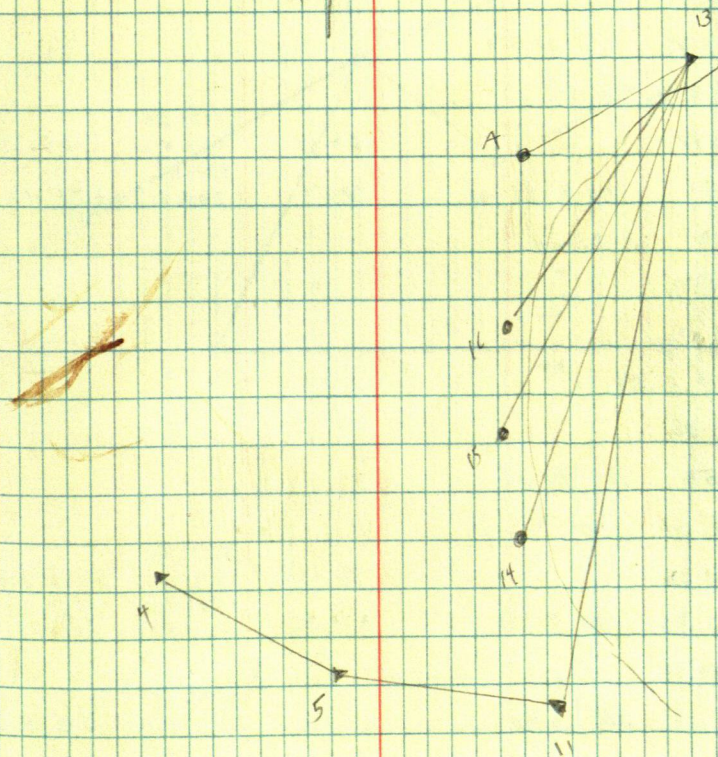
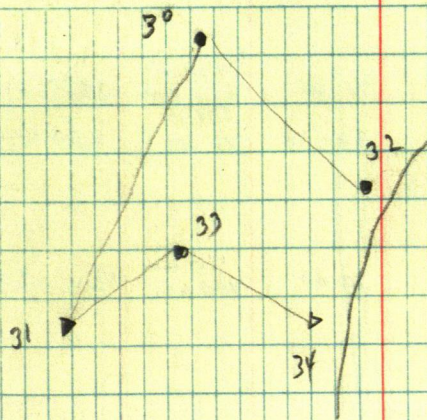
46.716

153.00

360

141

64





Don RETURN

TP 2 BS 3

294-37-42 70-04 2665.63 2865.642

(1) 229-15-24 294-37-42 86-38 250.61 250.575

TP 2 BS 3

114-16-40

(2) 228-33-10 114-16-36 70-09 1314.62 1314.674

TP 3 BS 2

113-02-40

(3) 226-05-40 113-02-50

TP 4 BS 3

180-41-48 89-55 1735.26 1735.246

(4) 1-23-30 180-41-45 90-50 656.18 656.108

TP 3 BS 11

32-46-09

(5) 65-32-30

TP 3 BS 2

180-43-06

(6) 1-25-54 180-42-57

TP 6 BS 3

128-21-42 90-05 2635.76 2635.752

(7) 251-43-06 128-21-33 91-25 766.09 765.851

268-20-48

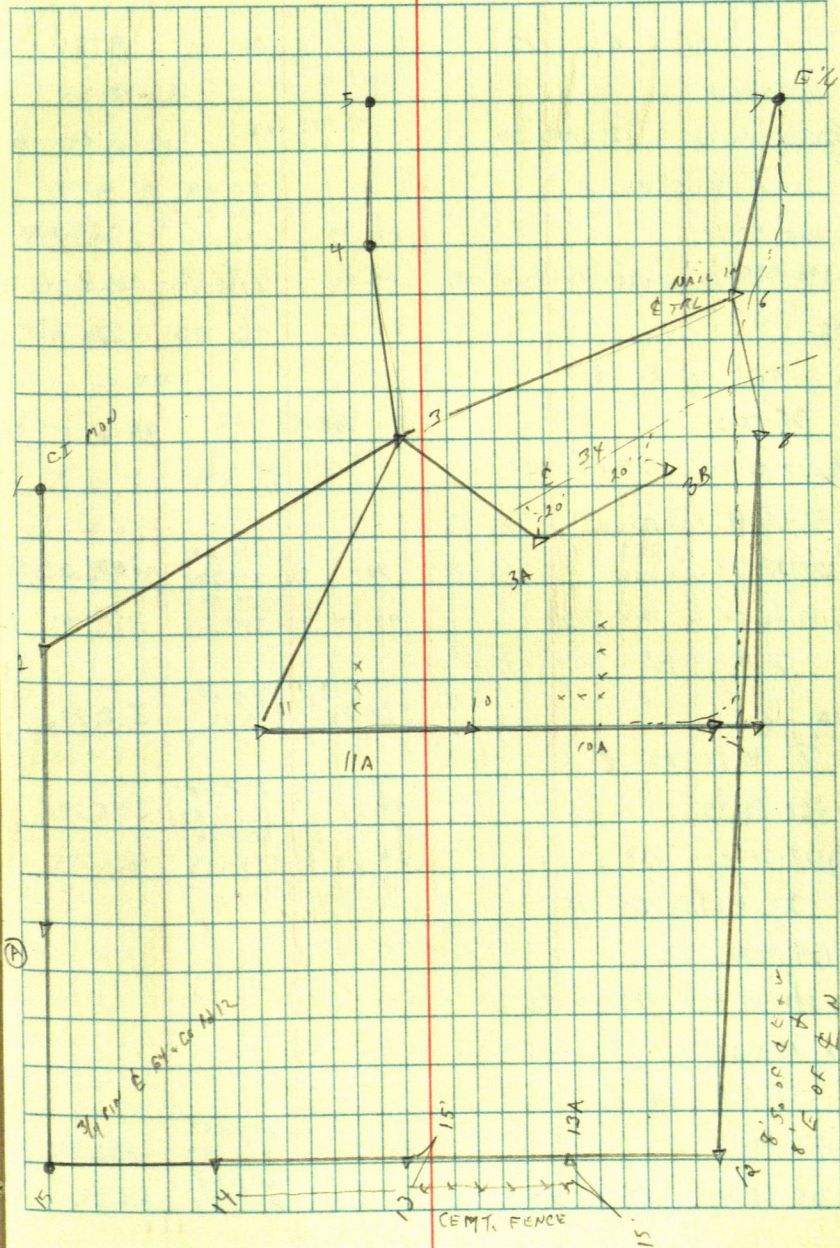
(8) 126-41-36 268-20-48 85-35 595.85 595.472

TP 8 BS 9

154-52-06

209-43-54 154-51-57

(9)





$\pi @ 8 \text{ BS } 12$

155-04-40

(6) 310-04-18 155-04-39

$\pi @ 9 \text{ BS } 8$

268-40-18

88-59

1330.06

405.400

1329.859

10 177-20-30

268-40-15

89-35

2128.36

646.725

2128.303

10A

90-30

1326.67

404.373

1326.624

8  $\pi @ 10 \text{ BS } 9$

178-55-24

(11) 357-50-12 178-55-06

$\pi @ 11 \text{ BS } 3$

54-33-36

90-

1092.63

377.027

1092.634

(10) 109-06-54 54-33-27

90-04

1139.13

347.215

1139.142

$\pi @ 10$

11A

268-36

156.202

519.02

518.872

$\pi @ 12 \text{ BS } 8$

268-59-32

89-25

3945.40

1214.876

3985.596

(13) 127-58-57 268-59-28

89-10

1817.99

554.123

1817.795

$\pi @ 13 \text{ BS } 14$

129-14-27

12 358-25-51

179-14-26

13A 179-20

$\pi @ 14 \text{ BS } 13$

178-13-30

90-10

2852.53

869.452

2852.517

15 356-26-48

178-13-24

91-12

616.04

187.767

615.901

$\pi @ 15 \text{ BS } A$

88-35-24

177-10-36

88-35-18

$\pi @ A \text{ BS } 2$

179-06

15 358-11-54

179-05-57

90-40

1070.92

326.415

1070.844

$\pi @ 3 \text{ BS } 2$

200-27-58

3A 40-55-43

200-27-58

$\pi @ 3A \text{ BS } 3$

160-11-07

89-56

388.63

118.450

388.622

3B 320-22-18

160-11-09

89-25

737.69

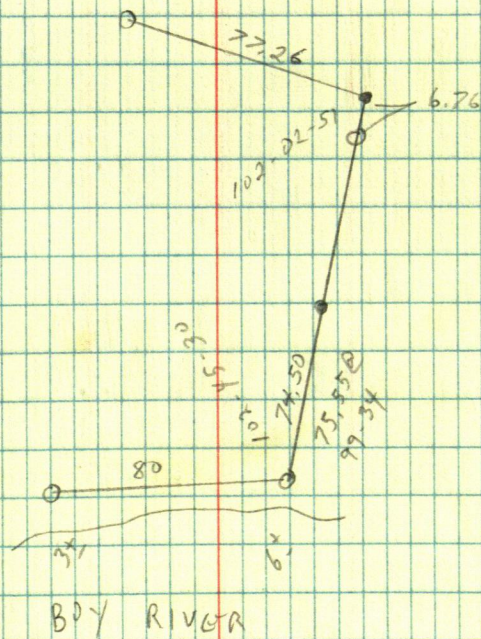
224.271

737.562



V. Roden

67





GUNAR NEWMAN

$\pi @ 1 \text{ BS } 2$

180-

89-46-18	1662.42 506.725	1662.404
90-18-30	922.61 281.212	922.597

3.

1477.28

4	6
2	6
2	2
5	5

5



3690

5

258500

cent  $\frac{1}{4}$

9.5



E CASKY

T @ N<sup>1</sup>/<sub>4</sub> COR BS 2

0-16-54

① 0-37-12 0-16-51

T @ 2 BS N<sup>1</sup>/<sub>4</sub>

276-42-30

90-02-12

1830.90

558.059

1830.899

② 173-25-01

276-42-33

86-09-06

287.72

82.689

287.058

T @ 6 BS 3

74-30-06

89-20

364.88

111.190

364.813

③ 188-59-54

94-29-57

93-7-41

231.88

70.672

231.527

287-44-48

④ 219-32-42

287-41

T @ 3 BS 2

163-22-18

⑤ 236-46

163-23

T @ 2 BS 9

99-10-06

⑥ 198-20-15

99-10-07

T @ 2 BS N<sup>1</sup>/<sub>4</sub>

⑦

90-

517.91

157.846

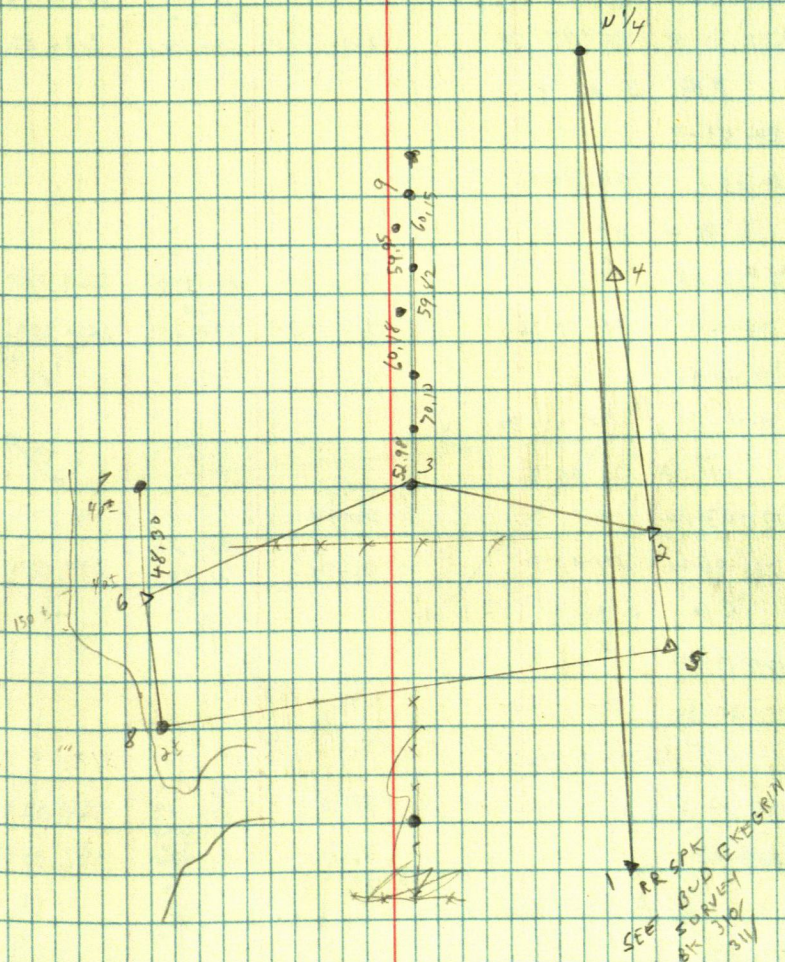
517.888

70° CLR

E. CASKY  
S. MICK

6-12-85

69





T @ 2 BS 3

88-47-54

170-7-30

1596.46

486.597

1596.448

2126.92

① 177-35-18 88-47-39

269-58-06

646.288

2126.92

T @ 3 BS 2

34-59-0

4 69-58- 34-59-0

T @ 4 BS 3

70-55-48

70-2-30

2662.72

811.597

2662.717

2620.26

5 181-51-12 90-55-36

90-16-24

798.652

2620.222

198-20-42

6 36-45-14 198-22-89

T @ 2 BS 3

171-03-12

24-44

399.83

399.371

121.866

8 262-06-06 171-03-03

92-44

T @ 2 BS 3

175-10-40

② 350-22-30 175-17-45

T @ 9 BS 2

142-01-30

88-27

464.19

141.406

464.021

41.594

⑩ 284-03

91-30

136.39

136.347

T @ 2 BS 2

18-59

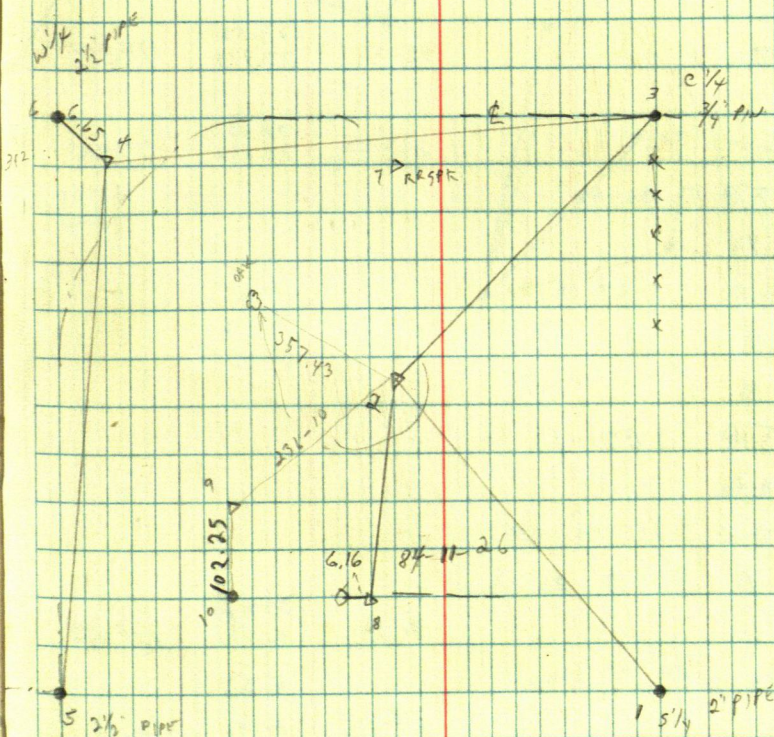
⑦ 37-58-12 18-59-06

89-56-18

1365.62

416.236

1365.61



7165

6" R ON

E 77.60

22" NPS

E 95.17

3" R ON

V 99.12



BRION JOHNSON

112-53-50

TC 5 05 13

247-06-24

134-12-36

TC 5 05 13

X 158-12-40

TC 17 05 13

66-22-09

90-42

1001.75

305.324

1001.659

18 132-43-46 66-21-50

92

26.35 FT

20 351-49

92-07

124.58

37.975

124.505

15-26-42

263-56

78.43

23.890

77.961

TC 13 05 17

5-27-42

5 10-55-18

5-27-39

59-11-06

TC 3 05 1

251-49-06

19 143-38-15 251-49-07

TC 19 05 3

91-36

230.20

70.167

230.113

109-16

NW COR CLOG

63.53

89-20

NE

83-20

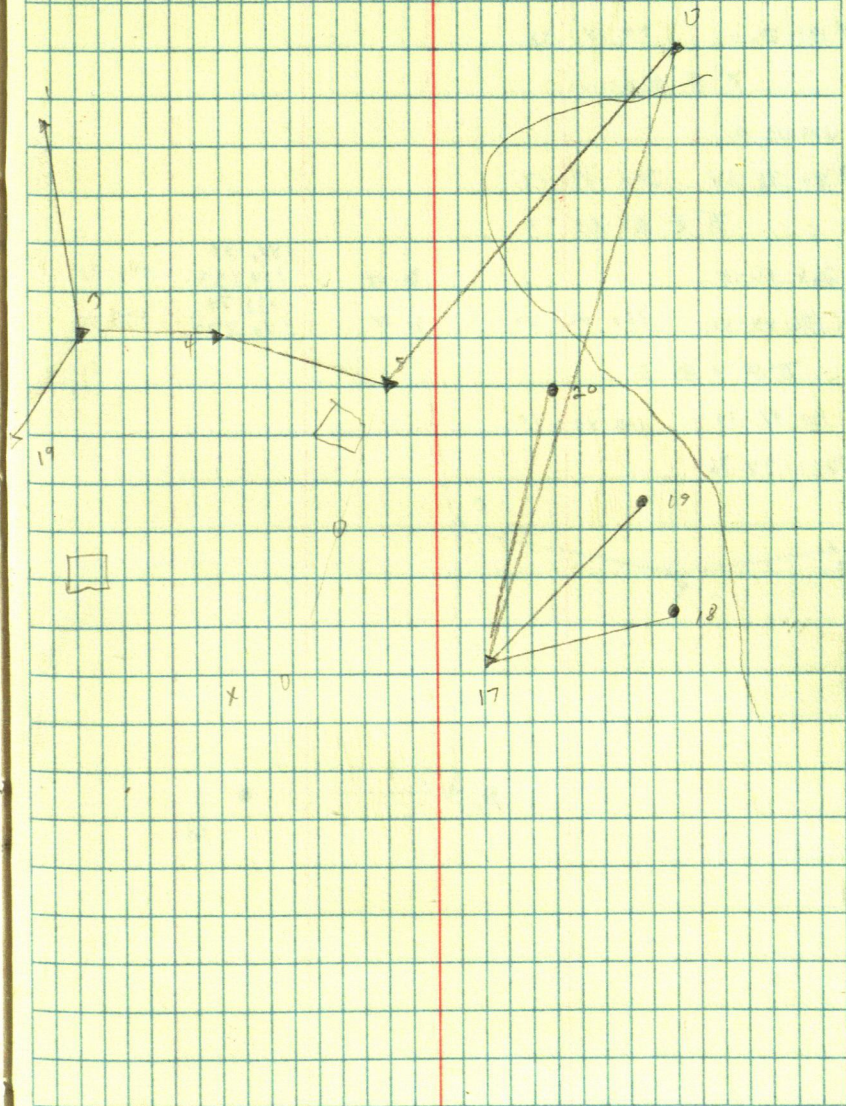
74.91

74.40

CLOUDY RAIN IN PM

E. COR  
STICK  
6-14-85

71





D. JOHNSON

$\pi @ 3 BS 1$

97-14-36

4 194-29-03 97-14-32

$\pi @ 3 BS 1$

200-19-12

R 40-38-24 200-19-12

$\pi @ R AS 3$

265-02-18

91-04

441.78

134.653

441.70

1 R 176-04-40

268-02-20

91-08

132.79

40.472

132.76

$\pi @ 4 BS 7$

22 140-48-54

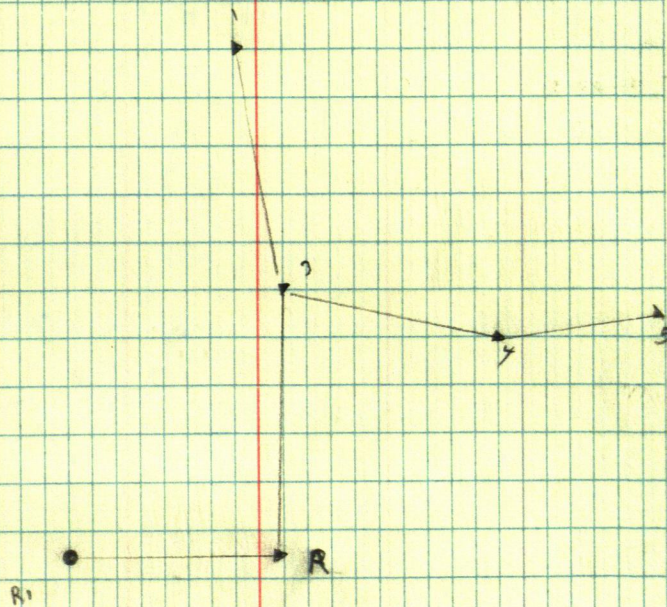
140-48-48

5 281-37-36

70° CLOUDY WINDY

G. C. JOHNSON  
S. MICK  
6-18-85

72





Pine Rvp. Trip

TQ 2A BS 2

85-00

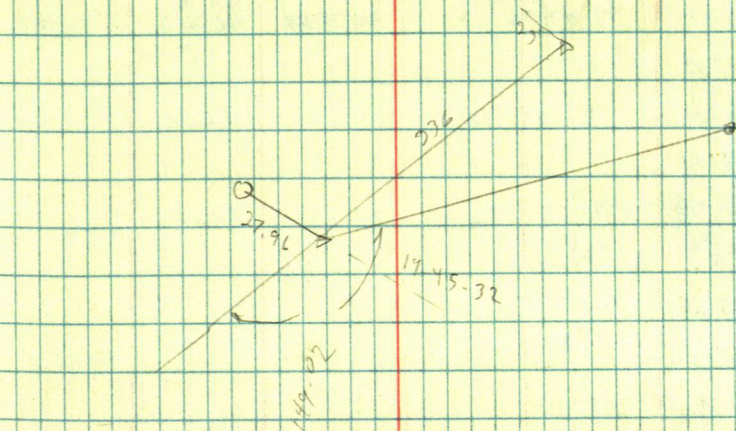
90.25

127.28  
38.797

127.28

3A

73



588.70

383.09

3A

0

330.06

0

53.03

2A

7 2

0

7

8



DICK SISTER

SW-SE-12-141-31

AP 1 BS 5 1/4 COR

92-03-12

90-73-24

~~280~~ 1241.97

1247.967

① 184-06-12

92-03-06

90-75-00

380.386

1321.55

402.612

176-05-42

② 352-11-05

176-05-33

56.24

176-55-54

④ 352-51-18

176-55-39

73.22

AP 2 BS 1

227.15-06

⑤ 194-30-12

51.15

AP 6 BS 1

8 87-71-16

91-10

509.29

155.247

509.21

AP 6 BS 1

47-29-30

9 94-59-30

47-29-45

91-02

595.34

181.467

595.254

75° CLR

E. CURD  
S. MICK  
6-19-65

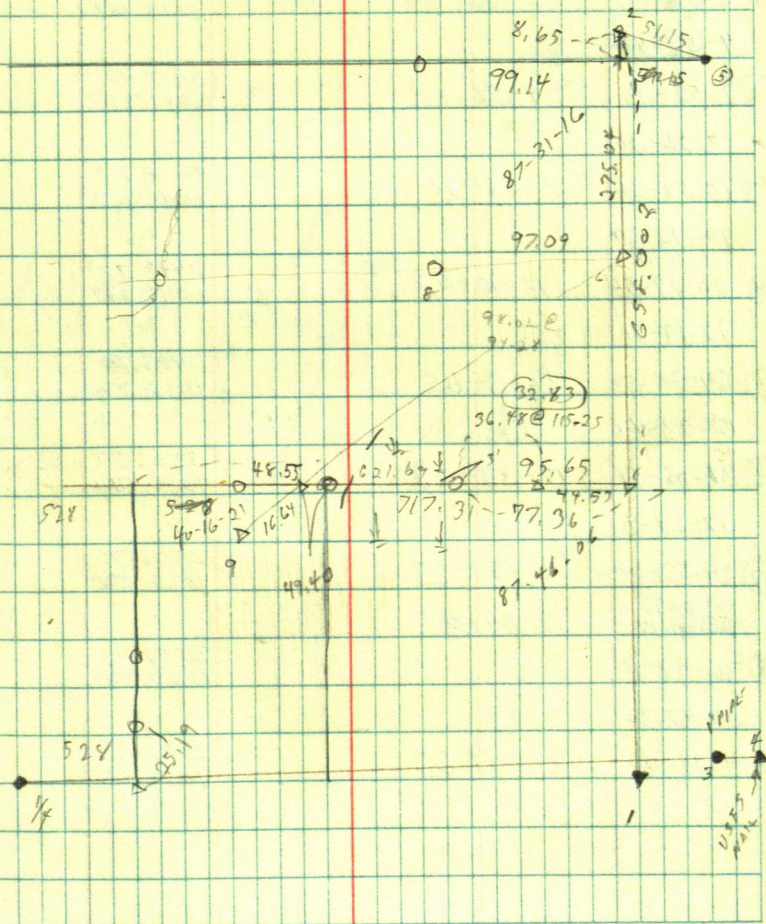
74

95.65

44.93

51.12

99.4  
47.31  
51.45





FRED MARTIN

K @ 1/4 BS W on RR SPR

151-26-30

① 302-52-45 151-26-23

K @ A BS 1/4

2-26-48

89-51

3463.25

1055.60

3463.237

① 4-53-24

2-26-42

90-

3455.62

1047.188

4-56-48

② 9-52-36 4-56-48

3417.83

1041.757

7-56-30

③ 15-52-36 7-56-18

3414.29

1040.674

10-12-30

④ 20-24-54 10-12-27

3443.77

1049.669

12-19-30

⑤ 24-38-50 12-19-25

3486.80

1062.774

15-33-42

⑥ 31-06-58 15-33-27

3506.33

1068.714

17-27-45

⑦ 34-55-06 17-27-33

3506.77

1068.828

18-24-18

20-47-10

18-24-8

⑧ 36-48-10

3502.03

1067.409

20-47-36

⑨ 41-35-06 20-47-33

3503.35

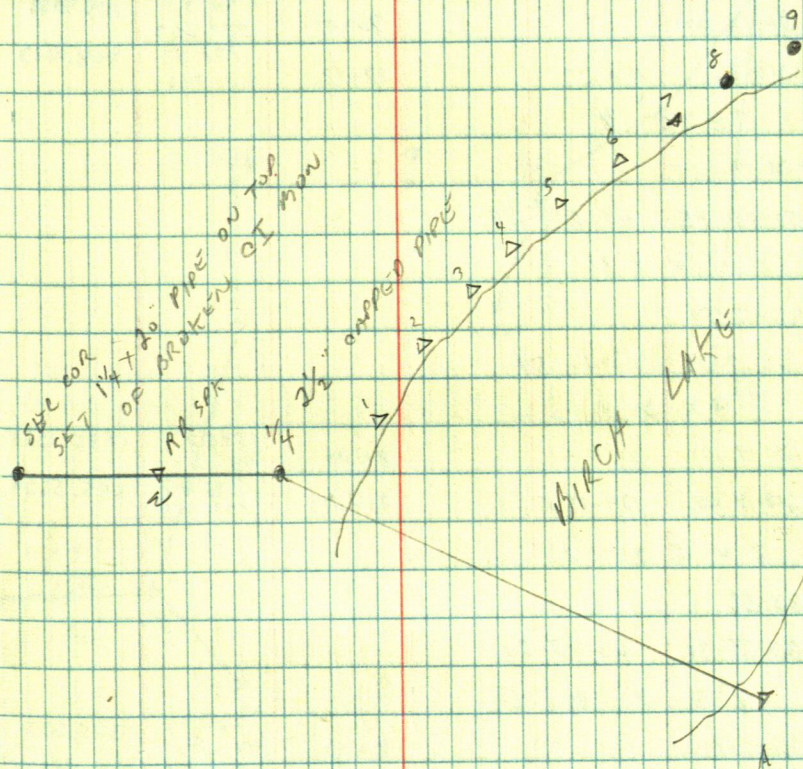
1076.971

G. CARD

JOHN-

6-16-85

75





TERRY FREEMAN

X @ 2 BS 1

179-24-

3 358-47-50 179-23-55

X @ 3 BS 2

158-33-07

90-05

1114.91

1114.9088

339.223

708.42

708.4113

4 317-06 158-33

87-43

215.926

X @ 3 BS 4

29-59-27

3A 59-58-45 29-59-27

X @ 4 BS 3

163-12-54

5 326-22-44 163-12-54

X @ 5 BS 4

124-09-15

89-09

1585.33

1585.1555

483.20

1/10 246-18-20 124-09-15

90-50

355.60

355.5624

104.367

X @ 6 BS 8

83-58

5 167-55-40 83-57-50

X @ 8 BS 6

165-02-12

91-13

1325.93

1325.6311

404.144

9 230-04-06 165-02-03

90-21

543.25

543.2399

165.568

225-03-34

8A 190-07-12 225-03-36

90-55

254.77

254.7474

77.656

702.22

732.0117

223.181

B 175-03-37 267-31-48

90-55

766.17

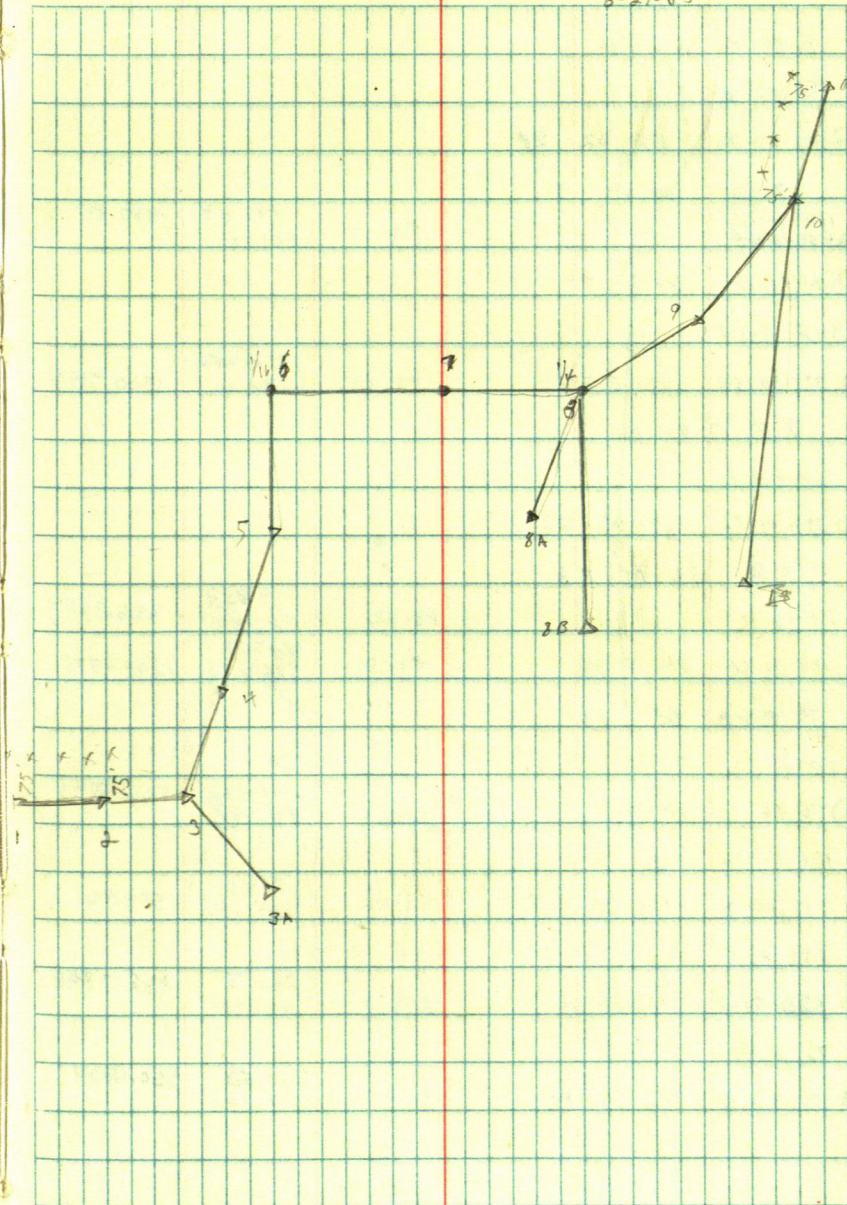
766.0719

283.522

70 CLR

E. CURD  
T. FREEMAN  
6-29-65

76









T @ 14 BS 8A

150-14-14

① 300 28-24 150-14-12

② 242-24-54 71.93

COX HOUSE

③ 244-50-18 48.70

④ 326-24-51 95.85

T @ 15 BS 3A

168-04-06

89-30

1489.57

1489.5133

454.01

14 336-08-12 168-04-06

88-32

225.5-  
288.076

925.1968

280-24-30

X 6 206-48-42 283-24-21

98-31

74.09  
22.504

73.2730

T @ 0A BS 15

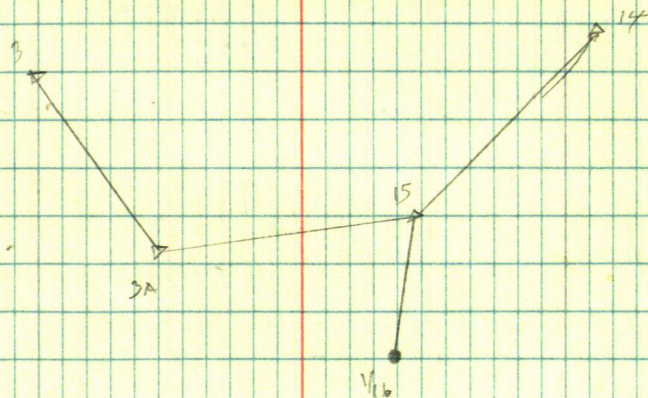
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⑤ 47-50-40 204-55-20

88.54

417.31  
127.197

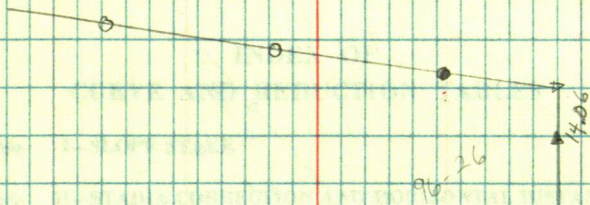
417.2331





GIM GROVES

79



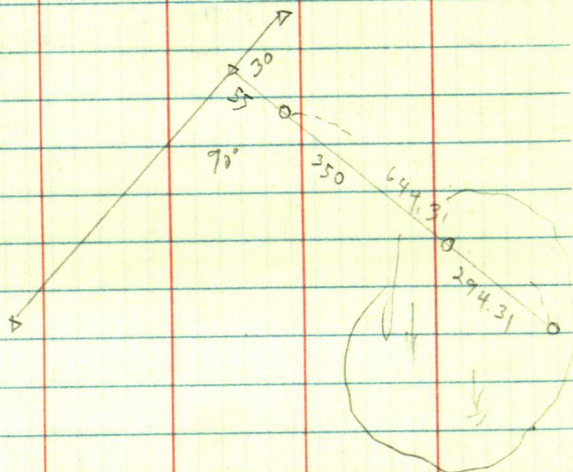


FOR NETHER

93-44-20

364.06

1102.84







343.76 347.594

## FIELD BOOKS

599  
541  
18 Rain resistant fine quality ledger paper, bound in high visibility chrome yellow imitation leather. Printed in waterproof ink.

Left page: blue horizontal lines; red vertical lines.

Right page: 4 horizontal and 8 vertical blue lines; red vertical center line.

34.22  
30.64  
3.58  
Stock No. 8152-00 Transit Field Book. Size  $4\frac{1}{2}$  x  $7\frac{1}{4}$  inches.

Stock No. 8152-05 Economy Field Book. Spiral Bound Paperback. Size  $4\frac{1}{2}$  x  $7\frac{1}{4}$  inches.

32.43  
30.64  
2.79  
Left page: blue horizontal lines; red vertical lines.

Right page: 8 x 8 blue lines; red vertical center line.

Stock No. 8152-20 Mining Transit Book. Size  $4\frac{1}{2}$  x  $7\frac{1}{4}$  inches.

Left page: blue horizontal lines; red vertical lines.

Right page: 10 x 10 blue lines; red vertical center line. Inch lines heavy.

Stock No. 8152-30 Engineers Field Book. Size  $4\frac{1}{2}$  x  $7\frac{1}{4}$  inches.

Both pages: blue horizontal lines; red vertical lines. 6 vertical columns.

Stock No. 8152-50 Level Book. Size 4 x  $6\frac{1}{2}$  inches.

Stock No. 8152-55 Level Book. Size  $4\frac{1}{2}$  x  $7\frac{1}{4}$  inches.

Left page: blue horizontal lines; red vertical lines.

Right page: 4 x 4 blue lines; red vertical center line.

Stock No. 8152-60 Field Book. Size  $4\frac{1}{2}$  x  $7\frac{1}{4}$  inches.

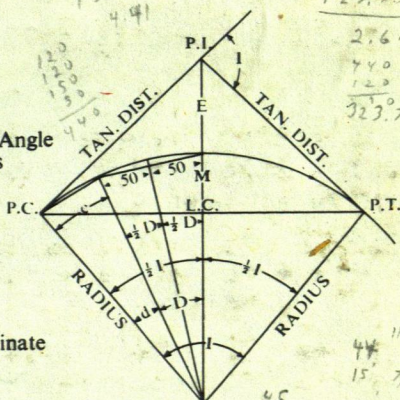
Both pages: 10 x 10 blue lines; inch lines slightly heavier.

Stock No. 8152-75 Cross Section Book. Size  $6\frac{1}{2}$  x  $8\frac{1}{2}$  inches.



# CURVE FORMULAE

- D = Degree of Curve  
 1° = 1-Degree of Curve  
 2° = 2-Degree of Curve  
 P.C. = Point of Curve  
 P.T. = Point of Tangent  
 P.I. = Point of Intersection  
 I = Intersection of Angle, Angle between Two Tangents  
 L = Length of Curve, from P.C. to P.T.  
 T = Tangent Distance  
 E = External Distance  
 R = Radius  
 L.C. = Length of Chord  
 M = Length of Middle Ordinate  
 c = Length of Sub-Chord  
 d = Angle of Sub-Chord



$$R = \frac{L.C.}{2 \sin \frac{1}{2} I} \quad T = R \tan \frac{1}{2} I = \frac{L.C.}{2 \cos \frac{1}{2} I}$$

$$\frac{L.C.}{2} = R \sin \frac{I}{2}, D 1^\circ = R = 5730, D 2^\circ = \frac{5730}{2}, D = \frac{5730}{R}$$

$$M = R (1 - \cos \frac{1}{2} I), = R - R \cos \frac{I}{2}$$

$$\frac{E + R}{R} = \sec \frac{I}{2}, \frac{R - M}{R} = \cos \frac{I}{2}$$

$$c = 2 R \sin \frac{1}{2} d, d = \frac{c}{2R}$$

$$L.C. = 2 R \sin \frac{1}{2} I, E = R (\sec \frac{1}{2} I - 1), = R \sec \frac{I}{2} - R$$

## Minutes in Decimals of a Degree

1'	.0167	11'	.1833	21'	.3500	31'	.5167	41'	.6833	51'	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

## Inches in Decimals of a Foot

$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729
1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167