

CACHE COUNTY BOUNDARY #1

CACHE COUNTY
BOUNDARY BOOK #1

TELEDYNE

400

MINING TRANSIT BOOK

299' FROM 1/4 COR

TO NORTH FENCE
ON EAST SIDE OF
PARKING AREA

Property of CACHE CO

SURVEYOR

Address 179 NO. MAIN RM 210

LOGAN, UTAH 84321

Telephone 752-9744

INDEX

EST. COUNTY BOUNDARY T13N, T12N
IN RANGE 2 WEST.

P- 2-12 SETTING MON. ON BOUNDARY

P12-20- R.P.'S TO BRASS CAPS SET ON
BOUNDARY

P21- MON. OF $\frac{23}{24}$ T12N R2W ON
EAST-WEST LINE OF LAST MON.

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

9 AUGUST 79

HUDSON
WARD

HOT
P. CLOUDY

SET BRASS CAPPED 2" STEEL PIPE
AND 5/8" REBAR AT ANGLE PTS ON LONG
THE DRAINAGE BREAK, SET BRASS CAPS
AT MILE POINTS AND INTERVISIBLE PTS,
SET 5/8 REBAR AT INTERMEDIATE POINTS.

MON #1

BEGIN WITH MON. #1 A B.C. SET
ON A 3' 2" ID PIPE ON RIDGE NORTH OF SHORT
DIVIDE ROAD ABOUT 1/4 MILE CLOSE TO
TOWNSHIP LINE BETWEEN 13 N AND 14 N.
SET MON. IN GROUND 1/2' PILED STONES
AROUND.

MON #2 SOUTH OF #1 AT X PT. 5/8 REBAR
IN MOUND OF STONE

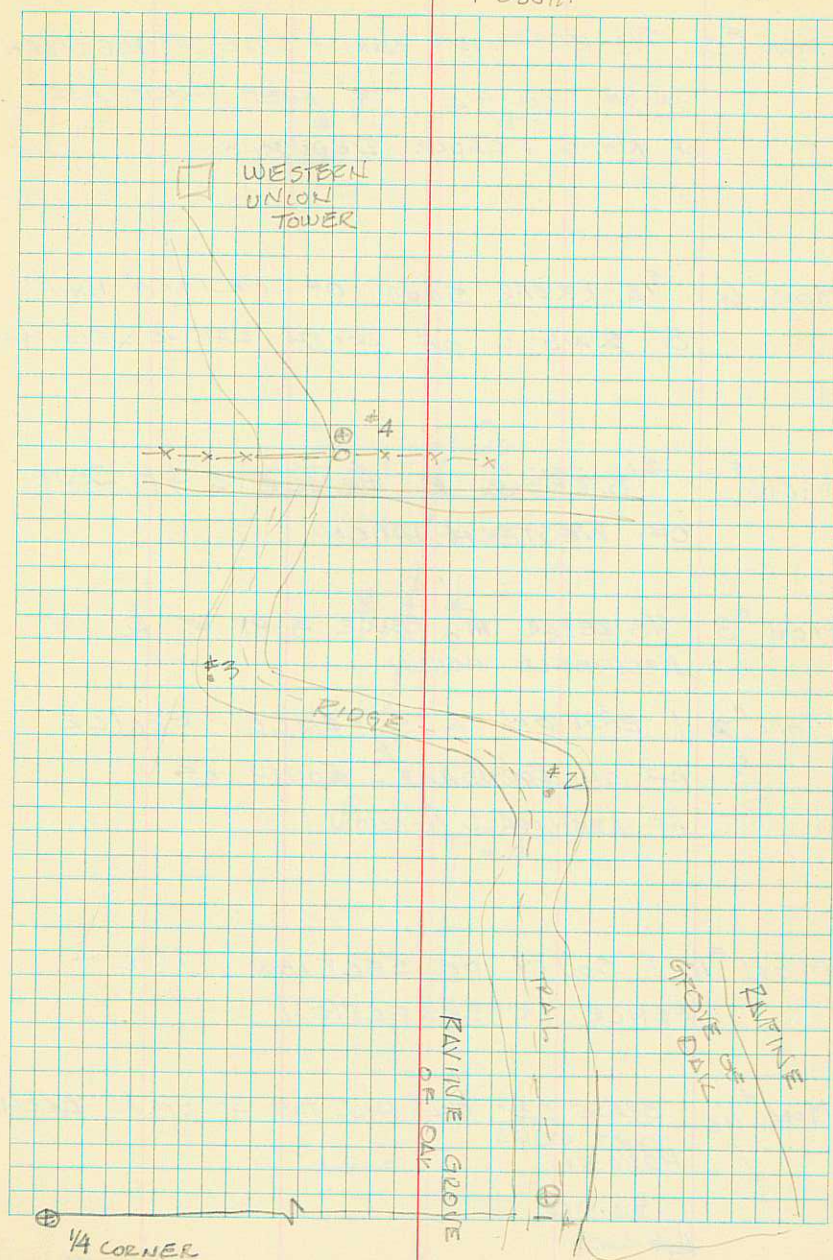
MON #3 SOUTH EAST OF #2 AT X PT NORTH
OF ROAD 500' 5/8 REBAR IN MOUND OF STONES

MON #4 BRASS CAP ON 3' LONG 2" ID PIPE
ON WEST SIDE OF STEEL GATE
ON SOUTH SIDE OF ROAD.

FROM THIS POINT TAKE STAR SHOT AND
TIE TO 1/4 CORNER NE OF PT.

↑ SOUTH

2



MON #5 5/8 REBAR ON NORTH SIDE OF WESTERN
UNION COMPLEX 2 1/4' EAST NORTH EAST
OF NORTH CABLE DEADMAN.
STAY

MON #6 5/8 REBAR SOUTH OF WESTERN UNION
8' WEST OF SOUTH CABLE DEADMAN

MON #7 5/8 REBAR AT FENCE X PT SOUTH
OF WESTERN UNION

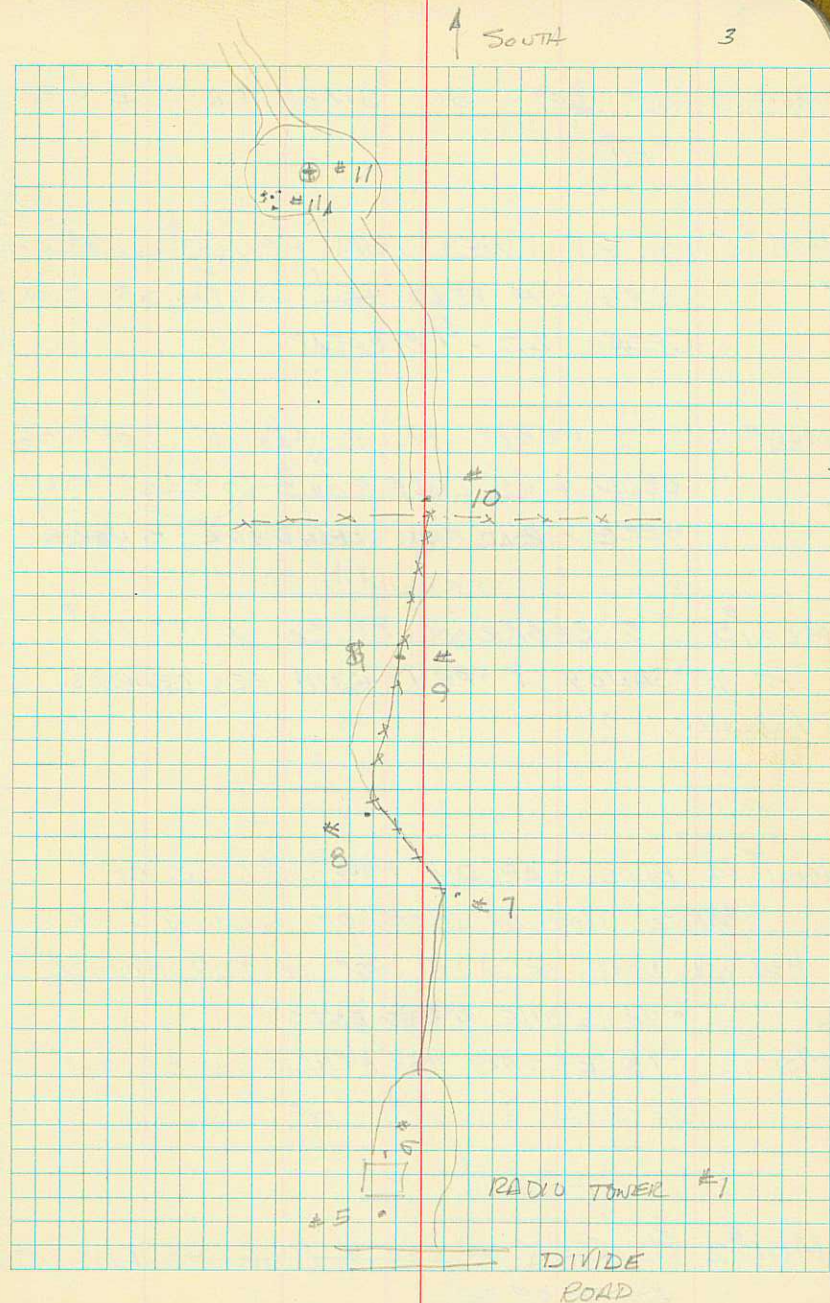
MON #8 5/8 REBAR AT FENCE X PT AT AL
ARCHIBALD HOLLOW

MON #9 1' EAST ON N/S FENCE - FENCE
OF ON BOUNDARY - SOUTH OF
AT ARCHIBALD HOLLOW

MON #10 1' SOUTH OF SECTION LINE -
FENCE INTERSECTION

MON #11 BRASS CAP ON HILL TOP SO OF AL. ARCH.
HOLLOW.

MON #11A 5/8 REBAR 67' NE OF B.C. TO CLOSE TO
FENCE BRACE POST



MON #18 NOT SET - ON SMALL HILL SE OF #17

MON #17 ON PT WEST ON FENCE LINE ^{75'} NORTH OF ROAD ~~15'~~ SOUTH OF LONE CEDAR 25' - 5/8 REBAR

MON #16 5/8 REBAR ON BREAK AT TOP OF CEDAR HILL. LINE RUNS TO EAST FROM HERE ROAD FROM LONG DIVIDE TO HERE.

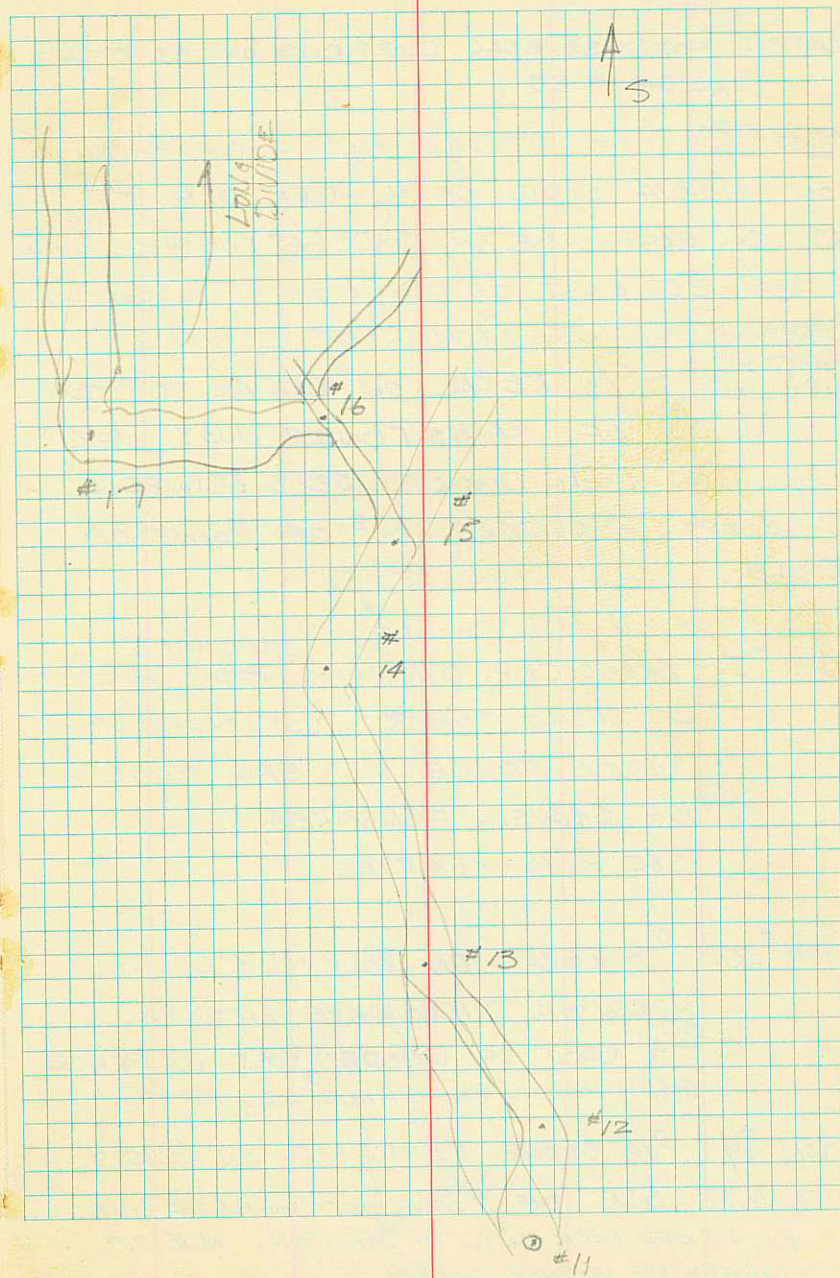
MON #15 5/8 REBAR ON PT SO. OF PT 14* PT 15 SANDY & OPEN WITH FEW CEDARS AROUND

MON #14 BRASS CAP ON HILL JUST SO. OF BENSON HOLLOW, NORTH OF SECTION LINE

MON. 15A NORTH OF WIDE SPOT ON TOP MOUNDED WITH STONE (ROAD ENDS)

MON #13 5/8 REBAR ON FENCE LINE ON SECOND HILL SO. OF #11

MON #12 5/8 REBAR ON FENCE LINE ON HILL TOP SOUTH OF #11



* = TOPPED WITH SURV CAP MARKER WITH NUMBER.

CAUTION: FOUND SEVERAL SCORPIONS UNDER ROCKS AROUND # 23

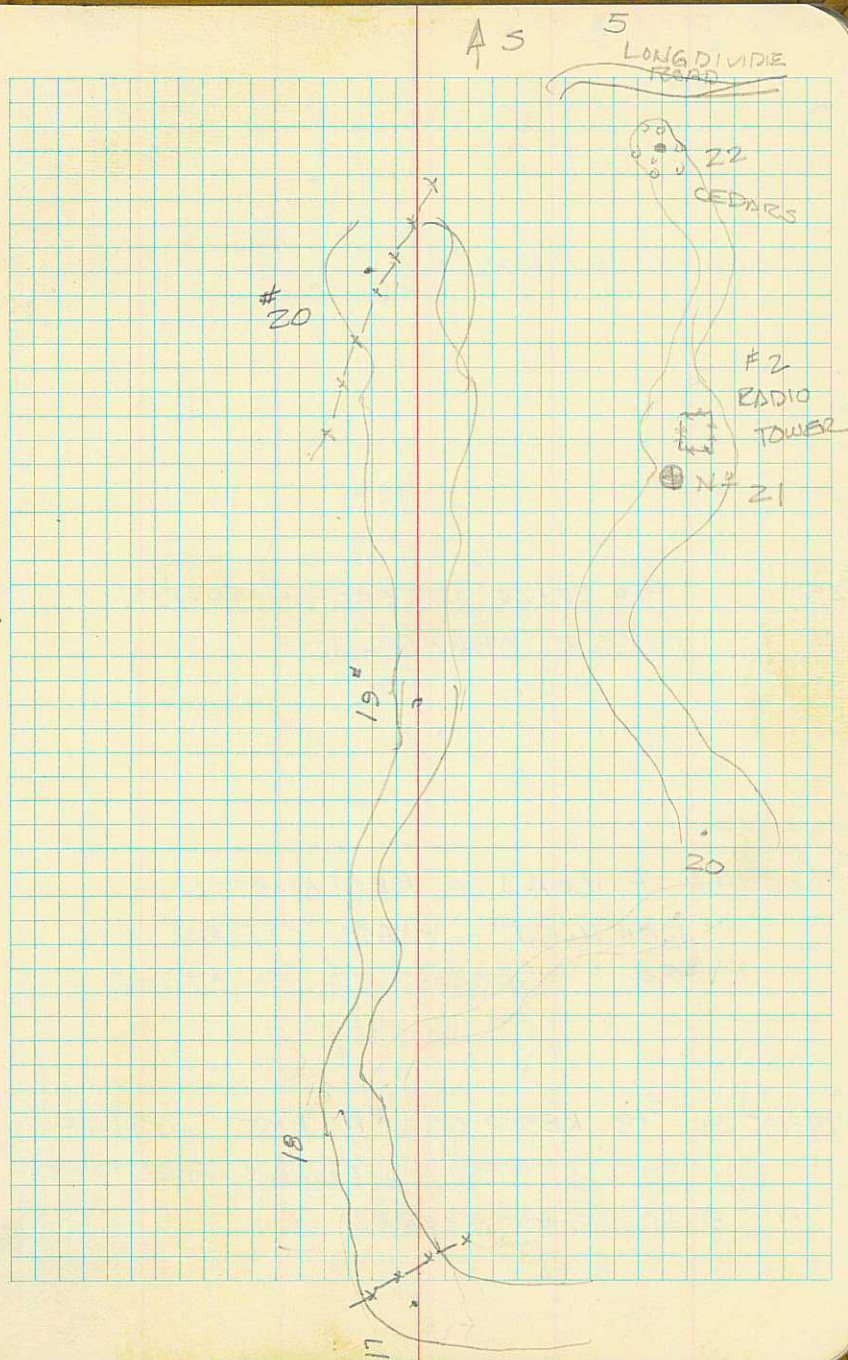
* MON #23 5/8 REBAR ON HIGH POINT ON NORTH SIDE OF CUTLER DAM, PT. IS ON EAST SIDE OF SADDLE RUNNING E-W ABOUT 35' EAST OF THE LOW PT IN SADDLE. SURROUNDED BY MOUND OF STONES.

* MON #22 5/8 REBAR ON CEDAR TOPPED HILL SO OF RADIO TOWER JUST OVER LOOKING LONG DIVIDE. SETS BETWEEN 2 CEDARS. 4 CEDARS N^o OF POINT OF RIDGE.

* MON #21 BRASS CAP ON HILL ^{SAME HILL AS} JUST NORTH OF RADIO TOWER, JUST NORTH OF TOWER FENCE AT EAST EDGE OF GRAVEL FILL AREA. SEE P. 16 FOR TIES.

* MON #20 5/8 REBAR ON ROCKY (SHALE) KNOLL NORTH OF MICROWAVE ANTENNA. ^{50'} 54' EAST OF WOODEN POST IN FENCE SMALL MOUND OF SHALE AROUND PT.

MON #19 5/8 REBAR FOUND SET ON GRASSY KNOLL SSE OF #18 JUST SOUTH OF LINE EXTENDED FROM H.W. IN NEWTON. N.E. OF LIGHTNING STRUCK CEDAR

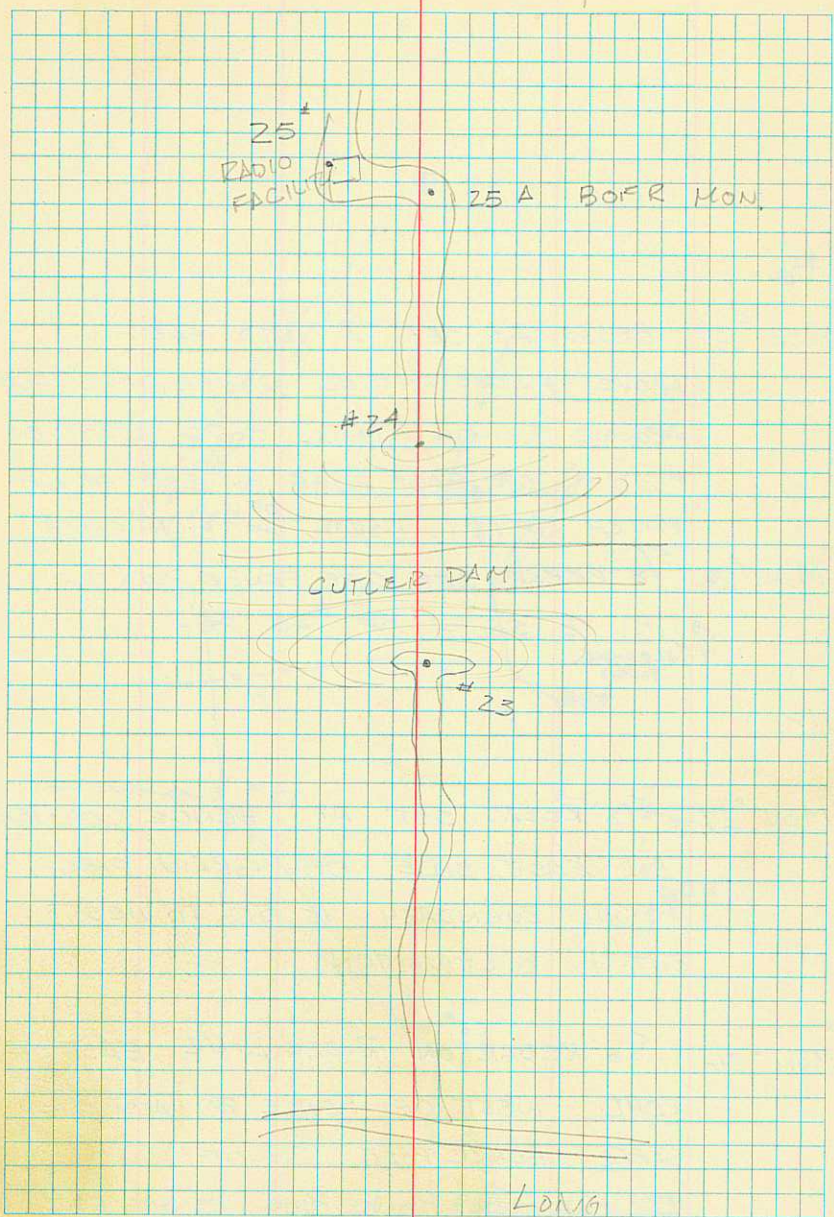


25 5/8 REBAR NOT SET - NEED TO GET INSIDE
FENCE AT RADIO FACILITY

Mon # 25A BUREAU OF RECLAMATION
MONUMENT - BRASS CAP ON 1 1/2"
PIPE SURROUNDED BY STONE.

* Mon # 24 5/8 REBAR ON PT JUST SOUTH OF
CUTLER RES. - IN OPEN AREA NORTH
OF B GROVE OF CEDARS.

AS 6



LONG
DIVIDE

33
* 5/8 REBAR ON E-W FENCE
BETWEEN CLOSE TO SECTION LINE
BETWEEN $\frac{1}{2}$, 1' S, 1' E OF
SECOND POST FROM FENCE CORNER
5341 - ELEV OF HILL

Mo

32
* 5/8 REBAR SET JUST OFF BREAK
SOUTH OF BUSH ALSO ON BREAK.

* Mo

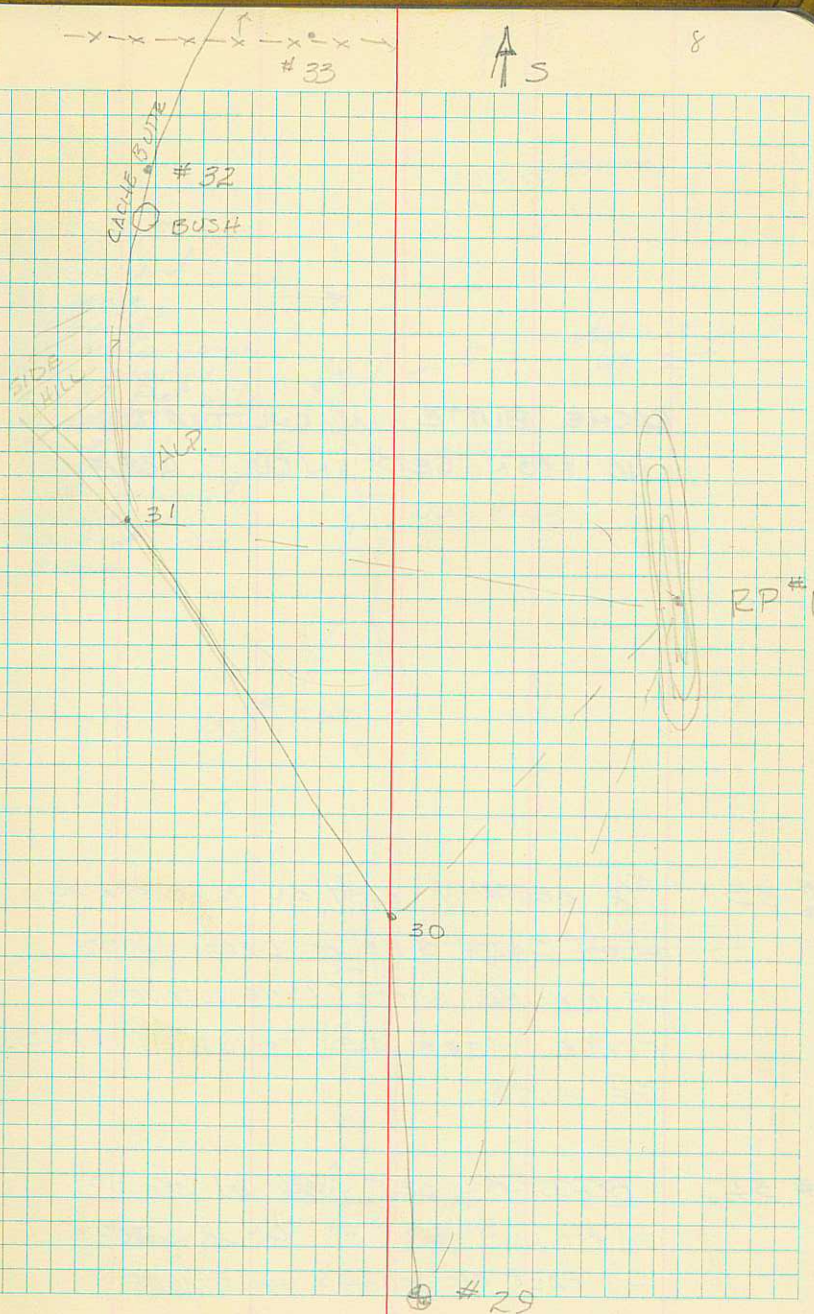
RP# 1 5/8 REBAR ON RISE SW OF #30
DUE WEST OF #31 CAP MARKED (RP
ON 4' PCE OF 5/8 REBAR. 1)

* Mo

31
* 5/8 REBAR ON BREAK OF HILL
SOUTH EAST OF #30. ALPHALPA
SOUTH GRAIN NORTH, WEST AND
A LITTLE SOUTH OF WESTERN
CLUMP OF BUSHES ON S SIDE HILL.

* Mo

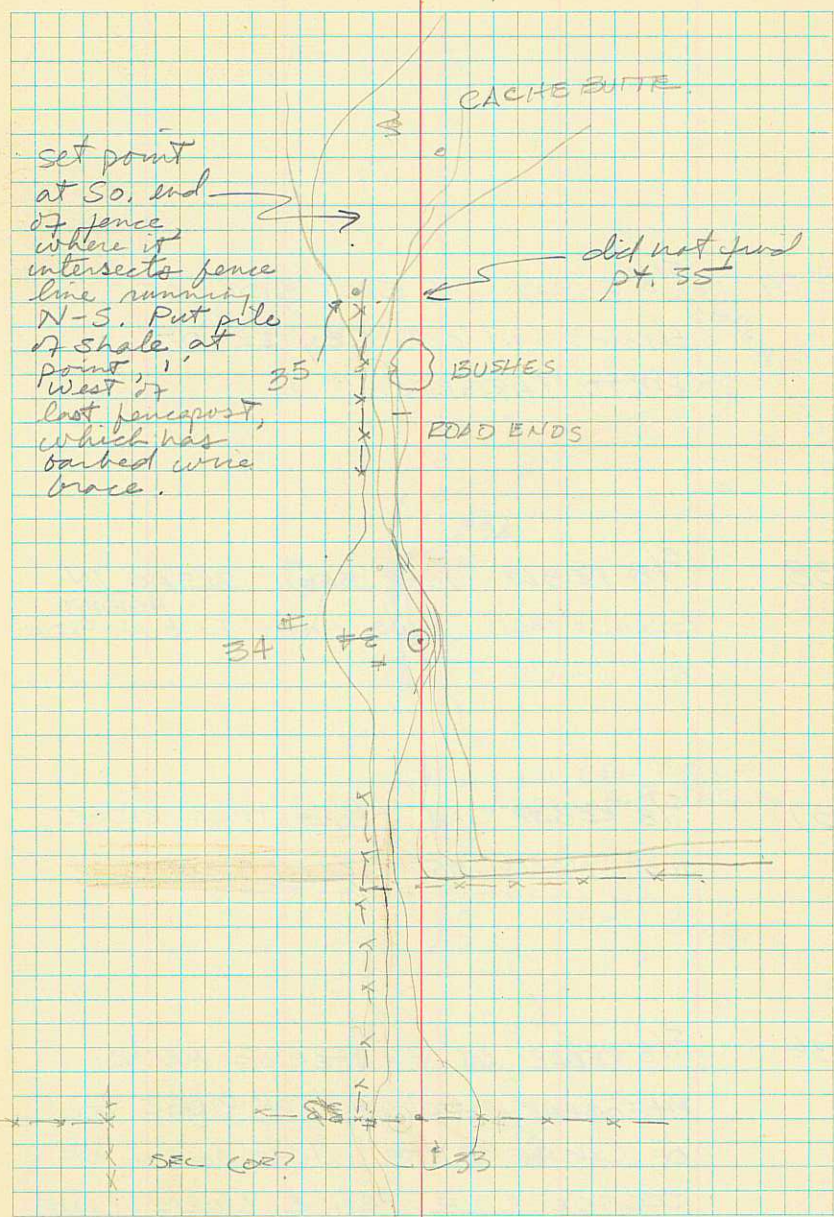
30
* 5/8 REBAR ON OLD FENCE LINE
IN SADDLE SOUTH OF #29



CACHE BUTTE IN CULTIVATION
NO MON. SET IN CULT. AREA

35 5/8 REBAR 1' EAST ON N-S FENCE
* W ON SOUTH SIDE OF DRAIN NORTH
OF CACHE BUTTE. LINE LEAVES
FENCE HERE AND TENDS SW OVER
THE BUTTE

34 BRASS CAP SET 30" IN GROUND
ON HILL SO OF #33, ON HILL TOP
5' EAST OF ROAD'S EAST LINE

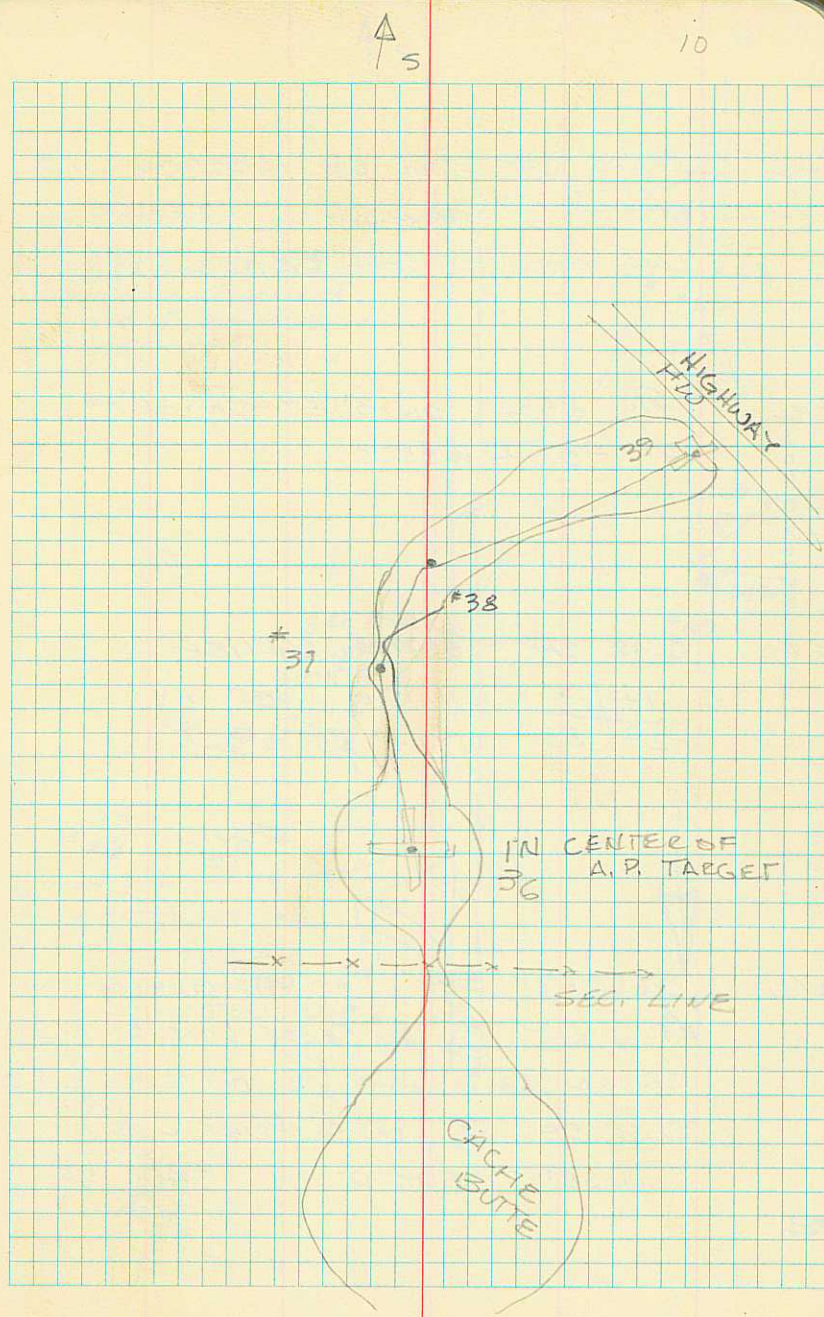


39 5/8 REBAR ON EAST SIDE OF
HWAY IN CUT. CENTER OF
PHOTO TARGET.

38 5/8 REBAR JUST BELOW BREAK IN
GRAIN FIELD LINE GOES TO H.W. FROM
THIS POINT.

37 5/8 REBAR ON DESCENDING RIDGE
JUST NORTH OF GRAIN FIELD

36 5/8 REBAR IN CENTER OF AERIAL
PHOTOGRAPH TARGET ON RIDGE SO.
OF CACHE BUTTE JUST SOUTH OF
SECTION LINE FENCE NORTH LINE
SEC. 13



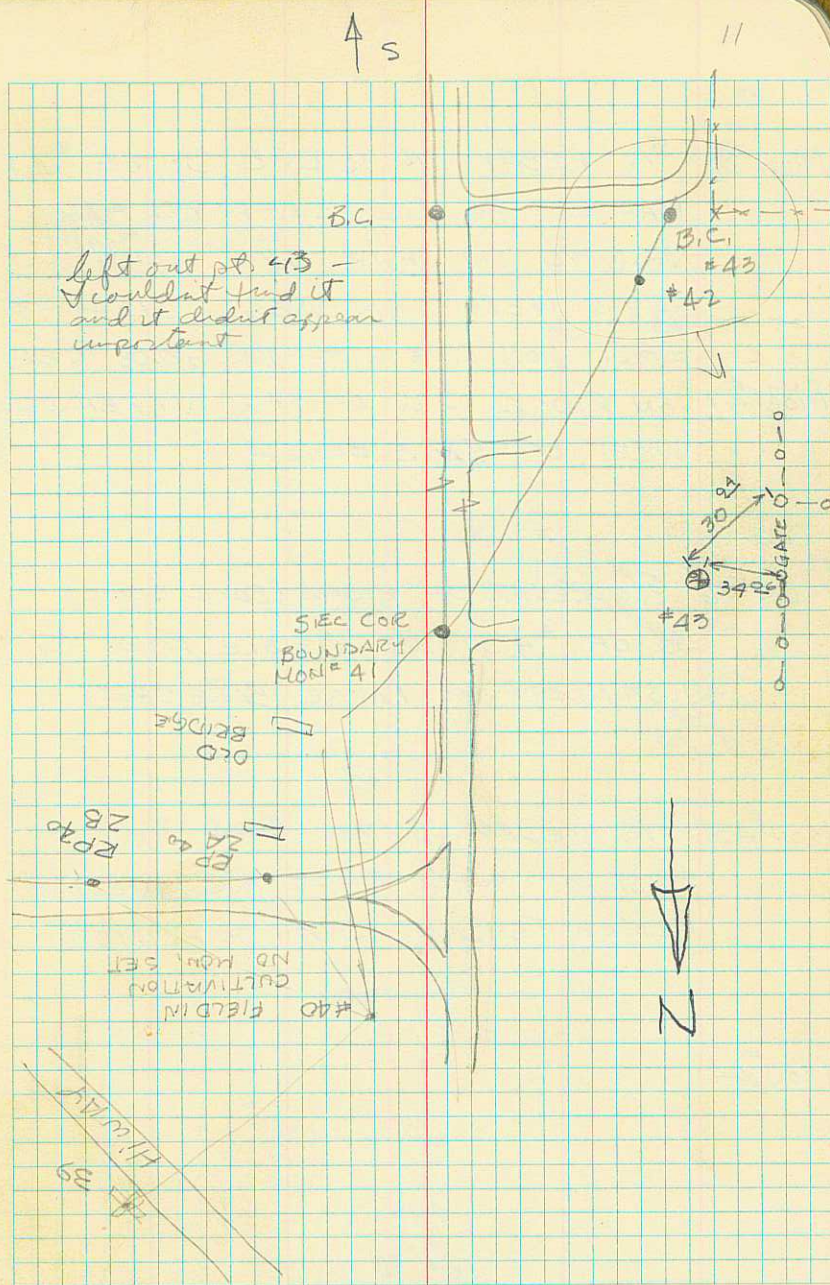
#43. BRASS CAP SET ON SECTION LINE
EAST FROM N-S. FENCE
LAST MON. OF THIS JOB.

#42. 5/8 REBAR ON BLUFF NORTH OF
PT. 43, IN WEEDS.

#41 BRASS CAP SECTION CORNER
14/13 T12N RIW SET BY
24/23 BOX ELDER CO.

#40 COULD NOT SET #40 IN CULTIVATION
SO I SET RP ON FENCE LINE BY OLD
BRIDGE ABUT. AND RP ON FENCE LINE
EAST OF RP, ON SO. FENCE LINE
WILL SET TEMP. PT AT #40

#41

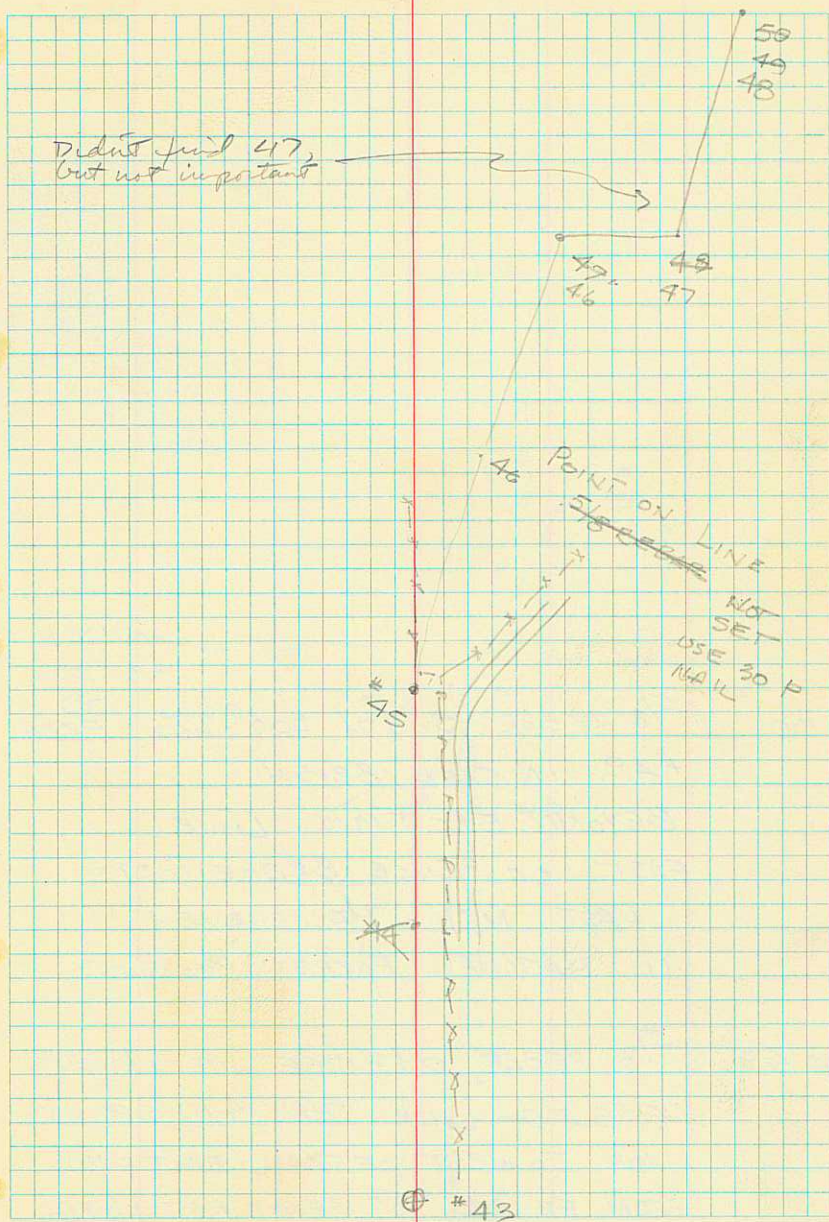


Mon #48 5/8 REBAR ON RIDGE SO OF #47
 MAY NOT BE VISIBLE FROM #47
 MON. IS IN BAR SPOT WITH
 SAGE HEAVY ON WEST LIGHT ON
 EAST ON LINE WITH RR GRADE TO EAST
 Mon #47 ON RIDGE SW OF #46 IN OPEN AREA
 WEST OF SAGE BRUSH.

Mon #46 5/8 REBAR ON RIDGE (BARE RIDGE)
 SO OF #45 NOT VISIBLE FROM #45
 JUST NORTH OF LARGE BARE SPOT.

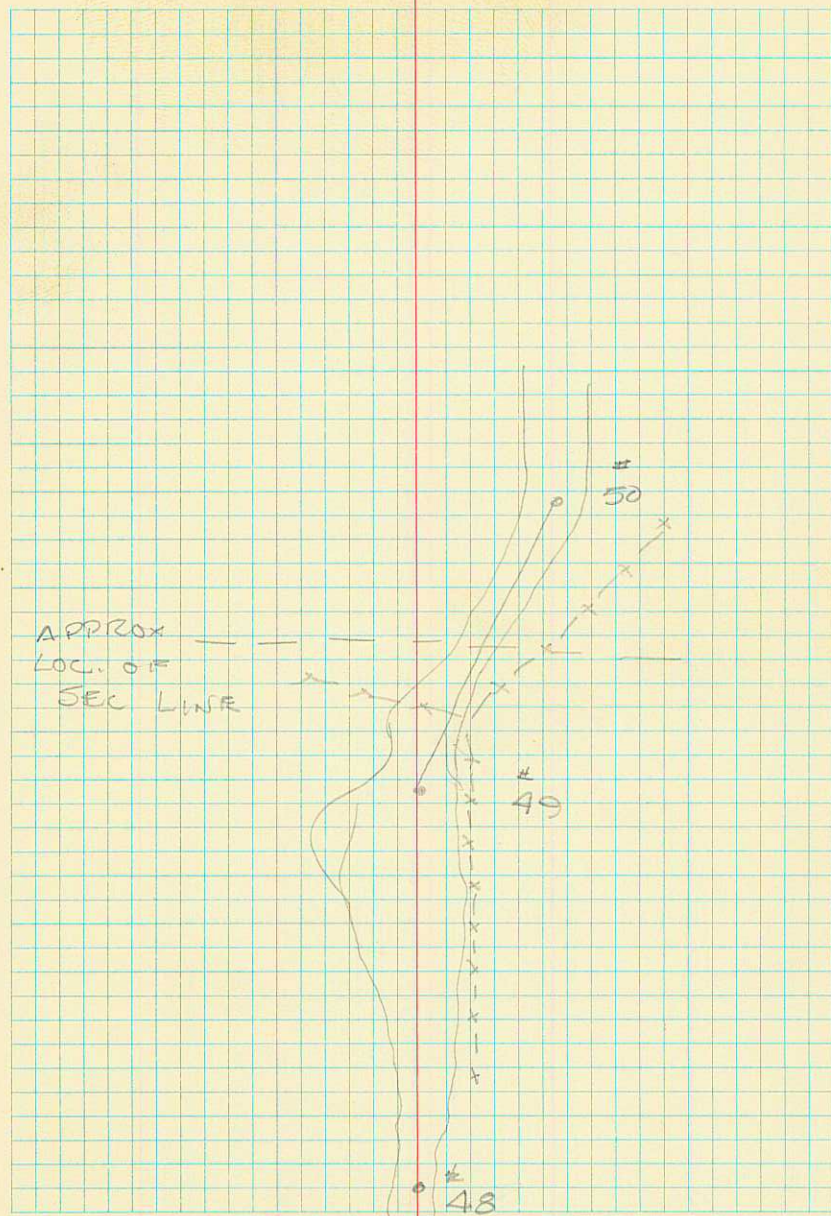
Mon #45 5/8 REBAR SO OF #44 JUST
 EAST OF N-S FENCE ON LINE WITH
 FENCE TENDING SW UP CANYON

Mon #44



50 5/8 REBAR SOUTH 500 - 600' FROM
#49, IN SAGE BRUSH.
BEYOND SECTION LINE
EAST OF FENCE BRIDGE POSTS.
LAST MON. THIS SURVEY
IN NATIONAL FOREST PROPERTY

49 5/8 REBAR ON RIDGE JUST NORTH
OF SECTION LINE THRU POND SPRING,
MON TO WEST OF TRAIL EAST ≈ 100'
FROM FENCE. 7TH FENCE POST NORTH
OF CORNER IS TALL WOOD POST - RIBBON
TIED TO THAT ONE, ON LINE WITH CENTER



DIKE AT LOGAN LAGOONS

STA-STA	HORZ \angle	SLP DIST	VERT \angle	HORZ DIST
---------	---------------	----------	---------------	-----------

4 - $\frac{32 33}{4}$	25°24'30"	2555.09	83°11'	2537.03
-----------------------	-----------	---------	--------	---------

INT \angle LT 025°24'20"

BACKSIGHT 3 4)101°38'00"

4 - $\frac{33}{\frac{1}{4} \frac{1}{4}}$	47°47'08"	1757.95	89°13'	1757.79
--	-----------	---------	--------	---------

INT RT 047°47'00"

BACKSIGHT 3 4)191°08'30"

4 - 1	5°26'03"	1898.07	81°48'	1878.66
-------	----------	---------	--------	---------

05°26'05"

INT LT 4)21°44'10"

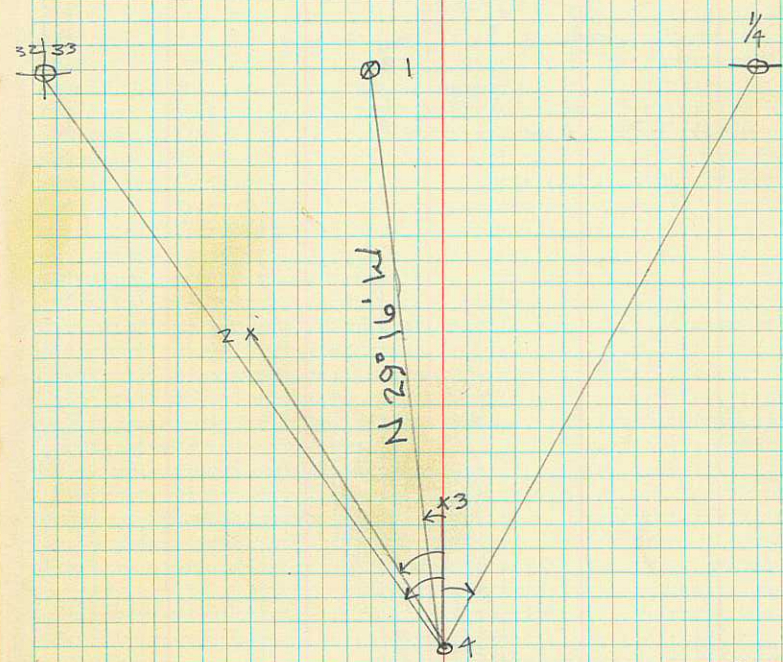
BACKSIGHT 3

4 - 2	13°49'47"	1072.89	82°18'	1063.22
-------	-----------	---------	--------	---------

INT LT 013°49'45"

BACKSIGHT 3 055°19'10"

4 - 3	000	723.96	83°33'	719.38
-------	-----	--------	--------	--------



CALC BEARING 4-3 23°49'58"

STA- MONUMENT # 21 BRASS CAP ON
 HILL TOP BY THE SOUTH RADIO
 FACILITY

4-

INT 4

BACKSIG 1 MON. IS NORTH OF FENCE SURROUNDING
 THE BUILDING. BRASS CAP ON 3" x 2"
 Ø PIPE WITH MOUND OF STONE

4- 1/2

INT RT

BACKSIG
3

4-1

INT L

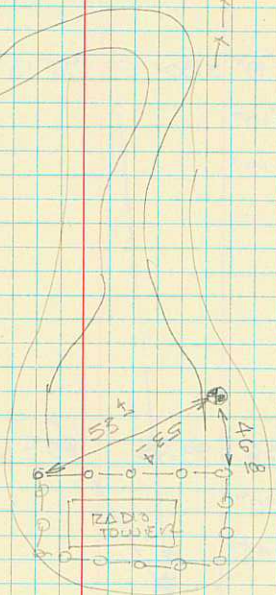
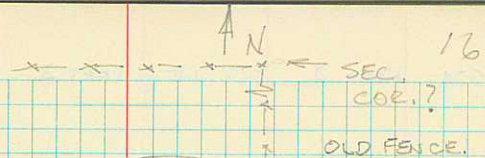
BACKSIG

4-2

INT L

BACKSIG

4-3



STA - STA	Horz. \angle	SLP DIST	VERT \angle	HORZ. DIST.
-----------	----------------	----------	---------------	-------------

A - 11	$8^{\circ}35'19''$	3803.53	$90^{\circ}13'$	3803.50
--------	--------------------	---------	-----------------	---------

DEF \angle LT 1) $8^{\circ}35'10''$

BACKSIGHT 3 4) $34^{\circ}21'15''$

A - 6	$8^{\circ}13'56''$	93.95	$90^{\circ}23'$	93.95
-------	--------------------	-------	-----------------	-------

DEF \angle LT 1) $8^{\circ}13'50''$

BACKSIGHT 3 4) $32^{\circ}55'45''$

A - 5	$47^{\circ}42'59''$	189.02	$90^{\circ}40'$	189.01
-------	---------------------	--------	-----------------	--------

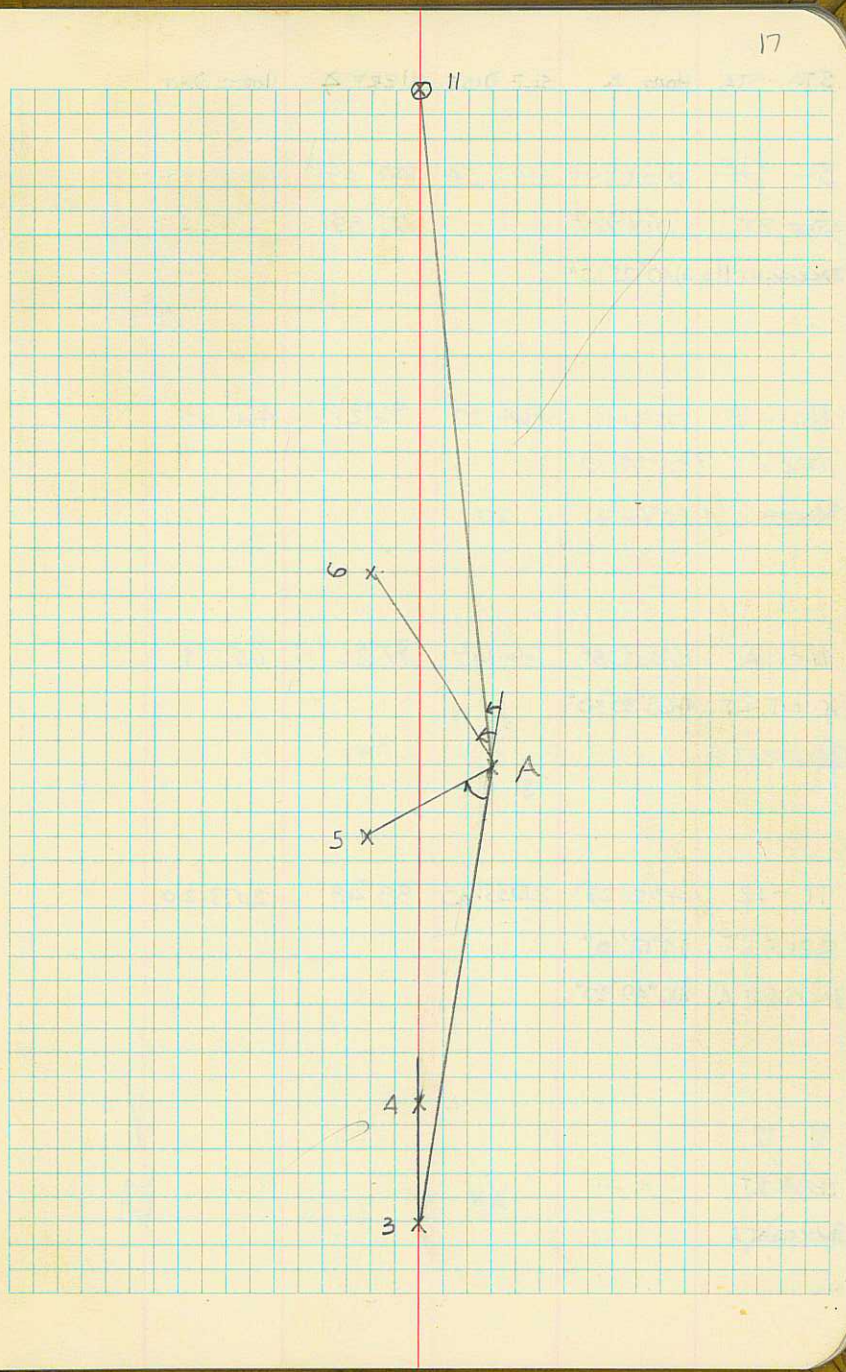
INT \angle RT 1) $47^{\circ}42'50''$

BACKSIGHT 3 4) $190^{\circ}51'55''$

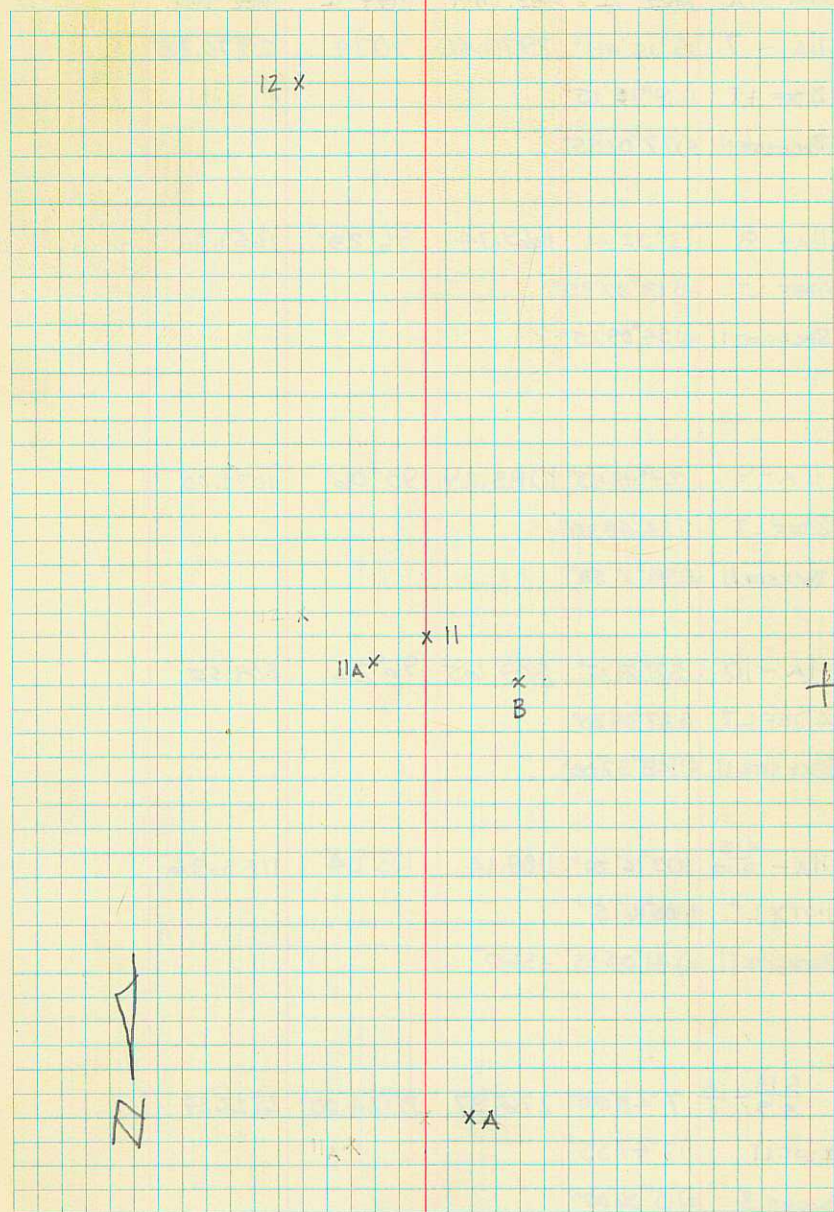
3 - A	$2^{\circ}11'33''$	1680.96	$87^{\circ}10'$	1678.91
-------	--------------------	---------	-----------------	---------

INT \angle RT 1) $2^{\circ}11'35''$

BACKSIGHT 4 1) $8^{\circ}46'10''$



STA-STA	HORZ \angle	SLP. DIST.	VERT \angle	HORZ DIST
B - $\frac{514}{819}$	10°01'19"	4147.54	100°59'	4071.57
DEF RT	110°01'30"		100°59'	
BACKSIGHT 11A	40°05'15"			
11A - B	102°41'11"	464.27	96°21'	461.42
INT RT	1102°41'10"			
BACKSIGHT 11A	50°44'45"	+360		
11 - 11A	16°07'38"	66.69	99°25'	65.79
INT RT	1163°30'30"			
BACKSIGHT A				
11 - 12	4°12'23"	2033.65	88°48'	2033.20
DEF LT	114°12'10"			
BACKSIGHT A	116°49'30"			
11 - 12				
DEF RT				
BACKSIGHT A				



STA-STA	Horz \angle	SLP. DIST.	VERT \angle	Horz. DIST.
11A - 7	19° 15' 44"	2970.40	90° 14'	2970.38

\angle DEF LT 1) 19° 15' 15"

BACKSITE 11 4) 77° 02' 55"

11A - 8	13° 32' 21"	1669.74	96° 29'	1659.06
---------	-------------	---------	---------	---------

\angle DEF LT 1) 13° 32' 30"

BACKSITE 11 4) 54° 09' 25"

11A - 9	24° 48' 43"	1083.29	95° 06'	1079.00
---------	-------------	---------	---------	---------

\angle DEF LT 1) 24° 48' 30"

BACKSITE 11 4) 99° 14' 50"

11A - 10	37° 09' 15"	809.65	96° 26'	804.55
----------	-------------	--------	---------	--------

\angle DEF LT 1) 37° 09' 30"

BACKSITE 11 4) 148° 37' 00"

11A - $\frac{413}{910}$	100° 16' 29"	1189.14	103° 34'	1155.96
-------------------------	--------------	---------	----------	---------

INT \angle LT 1) 100° 16' 15"

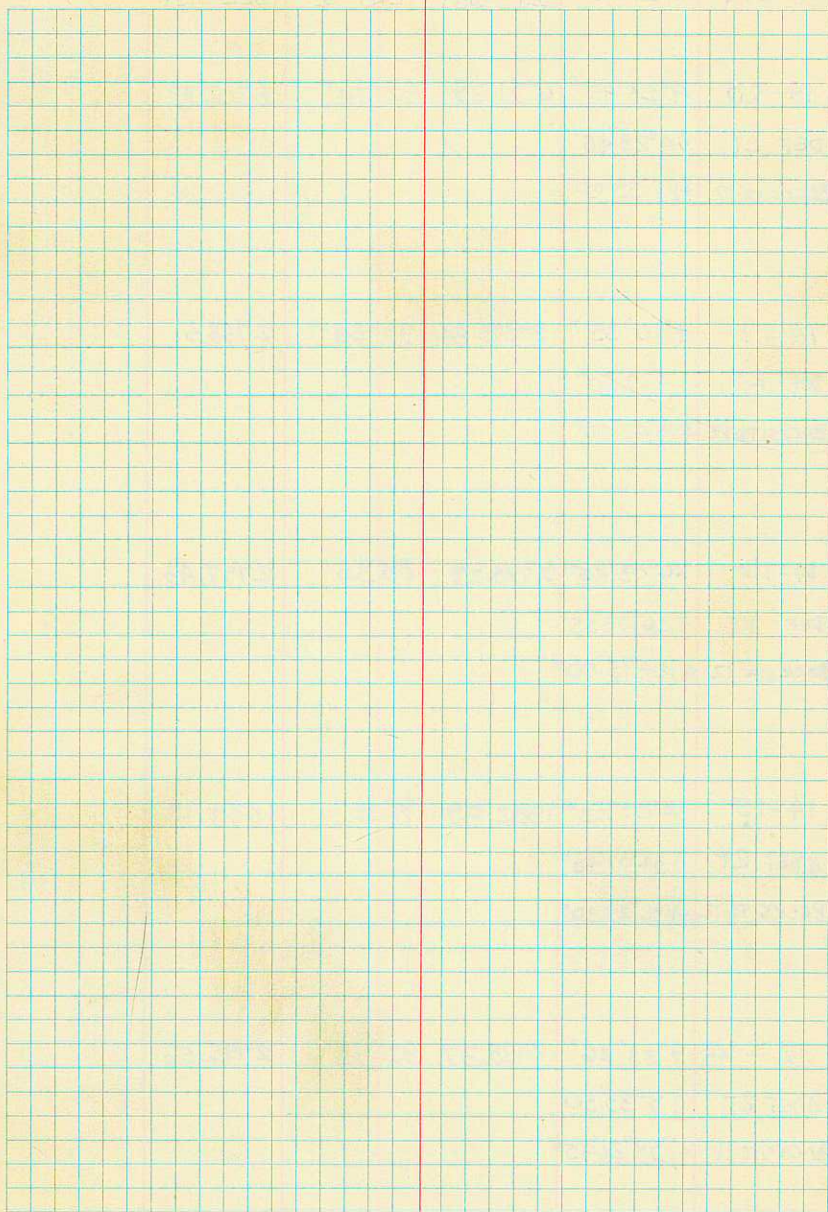
BACKSITE 11 4) 41° 05' 55" + 360°

$\frac{514}{89} - \frac{4}{9}$	7° 48' 00"	2765.97	80° 24' 00"	2727.24
--------------------------------	------------	---------	-------------	---------

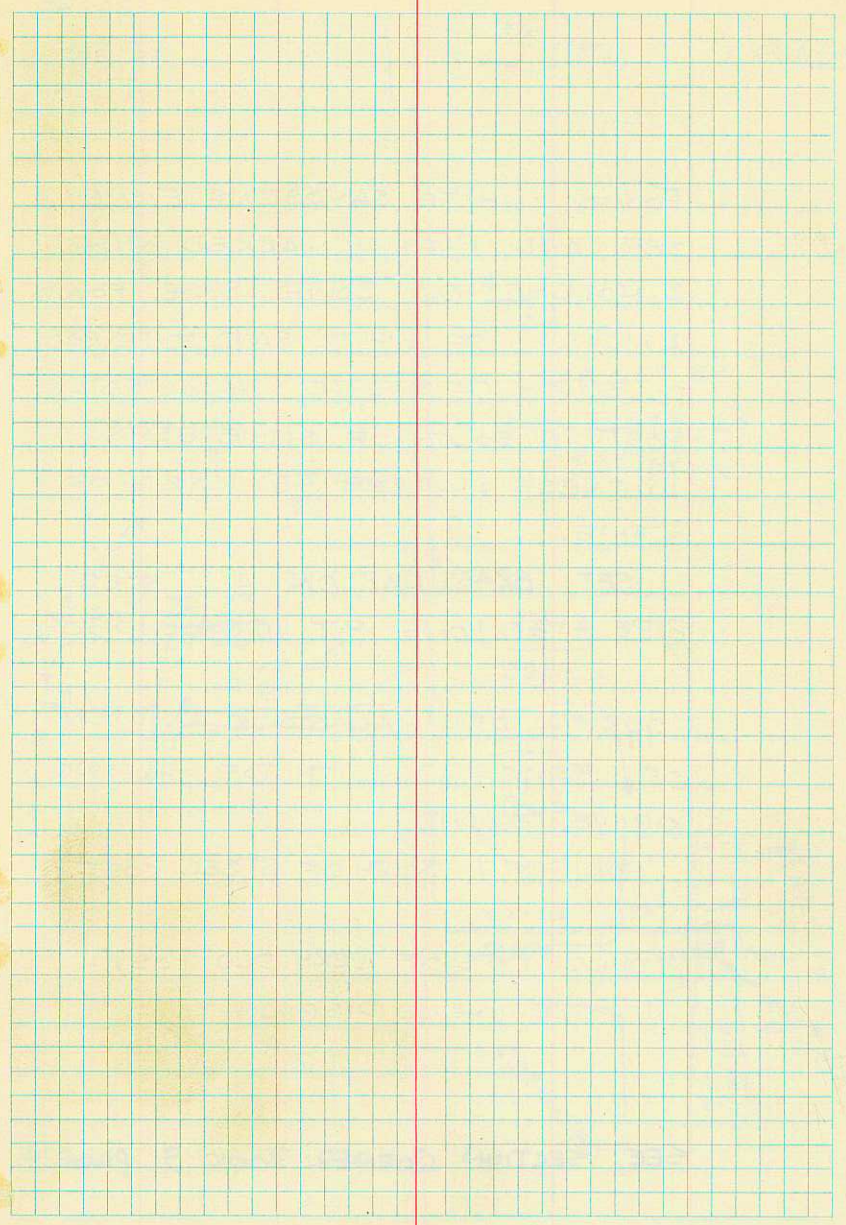
\angle INT LT 1) 7° 47' 55"

BACKSITE B 2) 15° 36' 00"

4) 31° 12' 00"



STA-STA	HORZ \angle	SLP DIST	VERT \angle	HORZ DIST
14-20	4°28'45"	6721.29	92°24'	6715.39
DEF LT	1) 4°28'45"			
BACKSITE 12	4) 17°55'00"			
14-17	4°10'35"	2758.84	90°53'	2758.51
DEF RT	1) 4°10'50"			
BACKSITE 12	4) 16°42'20"			
14-16	26°03'45"	2798.29	88°35'	2797.43
DEF RT	1) 26°03'55"			
BACKSITE 12	4) 104°15'00"			
14-15	34°07'23"	1832.89	91°35'	1839.19
DEF RT	1) 34°07'40"			
BACKSITE 12	4) 36°29'30"			
12-14	9°35'26"	2498.37	92°43'	2495.56
DEF RT	1) 9°35'50"			
BACKSITE 11	4) 38°21'45"			



MONUMENTATION OF SEC COR 23|24
26|25

23 AUG 79

R2W
T12N

FOUND WHITE SANDSTONE FIRMLY
SET AND PLAINLY MARKED WITH
2 NOTCHES ON SOUTH SIDE. FOUND
A MOUND OF WHITE SANDSTONE ROCKS
TO SOUTH OF STONE, METAL FENCE
POST TO SOUTH OF STONE, USFS.
WITNESS MARKER 35' NORTH OF
STONE.

SET BRASS CAP ON A 2" STEEL
PIPE 3' LONG. PUT IN GROUND 30"

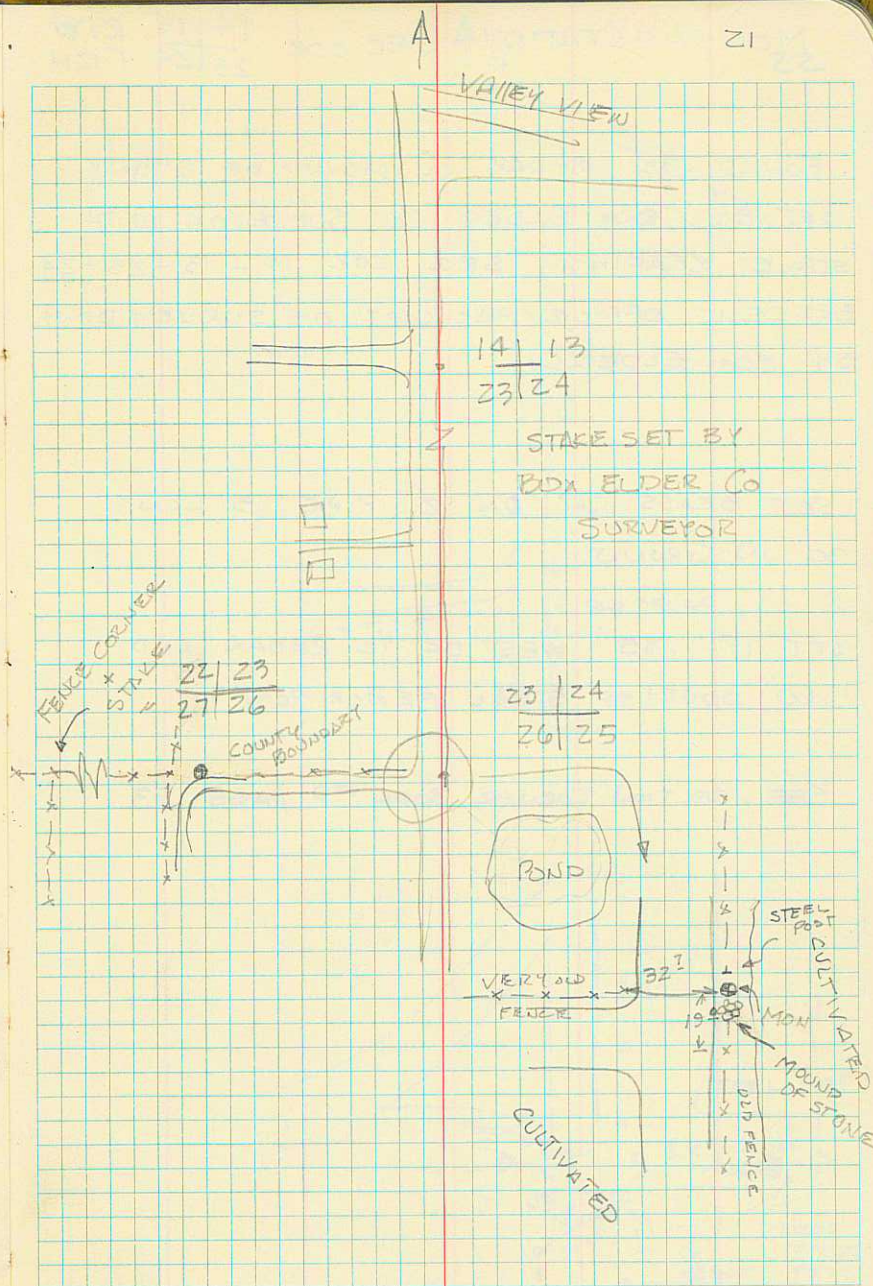
BURIED ORIGINAL STONE TO WEST
OF BRASS CAP WITH TOP SHOWING
ABOVE GROUND.

MON. IS 1' SOUTH OF STEEL POST

FOUND BITS OF VERY OLD POST
IN HOLE WHILE DIGGING.

SEE SECTION CORNER BOOK 9 PAGE 14

21



MONUMENTATION

SEC COR

14 | 13 RIW
23 | 24 T12N

FOUND 1/2" REBAR IN MOUND OF STONE
SET BY BOX ELDER CO. SURVEYOR WITH
STAKE READING SEC COR 14-13-23-24
BESIDE IT. OFFICE HAS COPY OF SURVEY DONE
BY BOX ELDER CO.

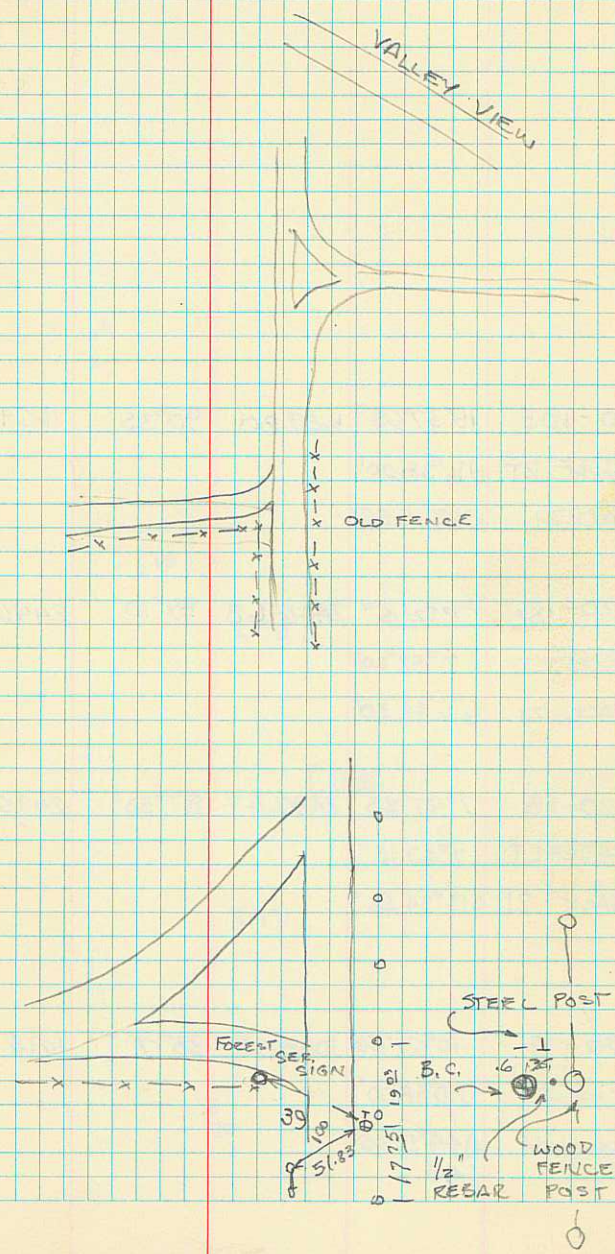
SET BRASS CAP ON 2" PIPE 3' LONG
30" IN GROUND

SET IT .35' WEST OF 1/2" REBAR AND
.60' SOUTH OF STEEL FENCE POST

SEE SECTION CORNER BOOK #9 PAGE 13

↑ N

22



20-18B 16°37'58" 1659.80 90°35' 1659.71

∠DEF RT 1) 16°38'00"

BACK 21 2) 33°15'55"

20-18A 7°52'15" 2446.68 89°10' 2446.42

∠DEF RT 1) 7°52'20"

BACK 21 2) 15°44'30"

20-18 7°47'23" 2497.47 87°53' 2495.77

∠DEF LT 1) 7°47'15"

BACK 21 2) 15°34'45"

20-19 10°57'56" 1098.95 88°17' 1098.46

∠INT RT 1) 10°58'00"

BACK SITE 14 1) 44°51'45"
43

1A
X

X 18

X 18A

X 18B

X 19

X
20

SEL COR TIES TO PT 14

8-12-80

SET UP ON PT 14, BACKSIGHT 12

3 DEF RT

14-14A 43°54'26" 462.37 92°17' 462.00

1) 43°54'35"

4) 175°37'45"

ZO 14-14B 179.51 92°14'

3 DEF LT 1) 3°14'40"

BA BACKSITE 12 4) 12°59'30"

OLD POST

Z 14A-COR 1191.00 107°20'

3 DEF RT 1) 62°15'50"

BA BACKSITE 14 4) 249°01'55"

FENCE INTER

Z 14A-COR 1072.67 109°36'

3 DEF RT 1) 53°50'15"

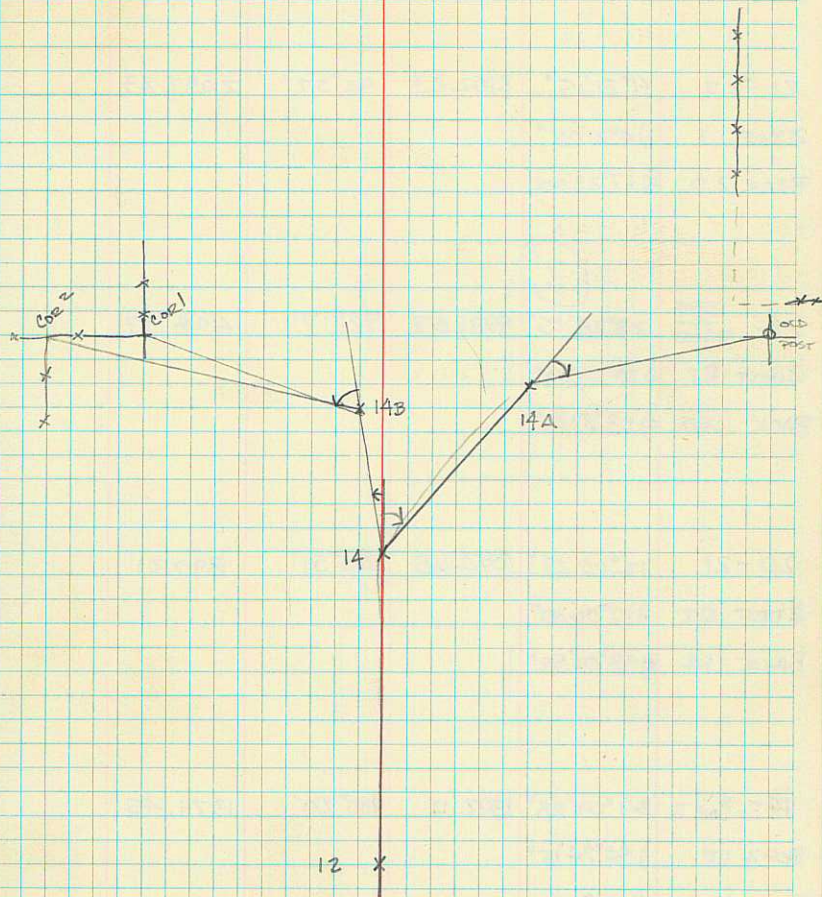
BA BACK- 14 4) 215°20'55"

Z 14B-COR 1227.45 102°00'

3 DEF LT 1) 30°14'30"

BACK BACK- 14 4) 120°58'05"

24



21-23	7°26'29"	5726.65	89°51'	5726.63
-------	----------	---------	--------	---------

DEF RT	1) 7°26'25"			
--------	-------------	--	--	--

BACK 20	4) 29°45'55"			
---------	--------------	--	--	--

21-22	4°21'15"	2102.65	94°07'	2097.23
-------	----------	---------	--------	---------

DEF LT	1) 4°21'05"			
--------	-------------	--	--	--

BACK 20	4) 17°25'00"			
---------	--------------	--	--	--

?

21- 22 ^{15/14} / ₂₃	28°28'25"	498.87	92°17'	498.47
--	-----------	--------	--------	--------

INT RT	1) 28°28'00"			
--------	--------------	--	--	--

BACK 20	4) 113°53'40"			
---------	---------------	--	--	--

20-21	12°00'29"	892.65	85°51'	890.31
-------	-----------	--------	--------	--------

DEF RT	1) 12°00'30"			
--------	--------------	--	--	--

BACK 14	4) 48°01'55"			
---------	--------------	--	--	--

AB-Cor 2	34°24'08"	1397.11	100°20'	1374.45
----------	-----------	---------	---------	---------

DEF LT	1) 34°24'15"			
--------	--------------	--	--	--

BACK 14	4) 137°36'30"			
---------	---------------	--	--	--

24-25	12°48'15"	2739.86	86°50'	2735.68
-------	-----------	---------	--------	---------

∠DEF LT	1) 12°48'15"
---------	--------------

BACKSIGHT	4) 51°13'00"
-----------	--------------

24-25A	4°26'36"	2665.15	87°11'	2661.93
--------	----------	---------	--------	---------

∠DEF LT	1) 4°26'20"
---------	-------------

BACK ZI	4) 17°46'25"
---------	--------------

21-24	2°05'34"	9009.58	89°11'	9008.66
-------	----------	---------	--------	---------

∠DEF RT	1) 2°05'45"
---------	-------------

BACK 20	4) 8'22'15"
---------	-------------

21-†	79°27'30"	6467.65	96°46'	6422.60
------	-----------	---------	--------	---------

∠INT RT	1) 79°27'50"
---------	--------------

BACK 20	4) 317°50'00"
---------	---------------

21-†	62°14'45"	8113.75	95°07'	8081.42
------	-----------	---------	--------	---------

∠INT RT	1) 62°14'45"
---------	--------------

BACK 20	4) 248°55'00"
---------	---------------

29-RPL $30^{\circ}42'14''$ 3454.60 $91^{\circ}22'$ 3453.49

DEF RT $1)30^{\circ}42'15''$

BACK 25A $4)122^{\circ}48'55''$

29-29A $12^{\circ}59'13''$ 270.88 $92^{\circ}37'$ 270.60

DEF RT $1)12^{\circ}59'00''$

BACK 25A $4)51^{\circ}56'50''$

29-28 $46^{\circ}06'58''$ 1672.08 $94^{\circ}58'$ 1665.80

INT RT $1)46^{\circ}07'00''$

BACK 25A $4)184^{\circ}27'50''$

29-27 $18^{\circ}20'46''$ 2411.52 $91^{\circ}07'$ 2411.06

INT RT $1)18^{\circ}20'50''$

BACK 25A $4)73^{\circ}23'00''$

29-26 $2^{\circ}45'53''$ 3141.10 $88^{\circ}13'$ 3139.58

INT RT $1)2^{\circ}45'20''$

BACK 25A $4)11^{\circ}03'30''$

25A-29 $1^{\circ}42'39''$ 4401.21 $93^{\circ}05'$

DEF LT $1)1^{\circ}42'35''$

BACK 24 $4)6^{\circ}50'35''$

8-18-80

28

STA	Horz \angle	SLP DIST	VERT \angle	Horz DIST
RPI-32	82°51'04"	4723.75	92°02"	
	\angle DEF LT	BACKSIGHT	29	
RPI-31	88°32'41"	3882.94	93°22'	
	\angle DEF LT	BACKSIGHT	29	
RPI-30E	85°34'15"	2411.01	95°08'	2401.34
	\angle INT RT	BACKSIGHT	29	
RPI-30D	79°01'35"	1403.03	95°00'	1397.69
	\angle INT RT	BACKSIGHT	29	
RPI-30C	66°51'30"	1304.28	95°03'	1299.22
	\angle INT. RT.	BACKSIGHT	29	
RPI-30B	39°49'23"	992.48	94°31'	989.40
	\angle INT RT	BACKSIGHT	29	
RPI-30A	11°58'14"	1583.14	90°36"	1583.05
	\angle INT RT	BACKSIGHT	29	
RPI-30	11°34'49"	2490.78	90°28'	2490.70
	\angle INT RT	BACKSIGHT	29	

STA -	Horz \angle	SLP DIST	VERT \angle	Horz. DIST
DATE 9-15-80	J. PARRISH, P. WARD			65°
RP ¹ -37	43°51'01"	9686.19	91°19'	
\angle DEF LT	1) 43°51'00"			
BACK 29	4) 175°24'05"			
RP ¹ -36	46°19'03"	9416.88	91°07'	
\angle DEF LT	1) 45°19'00"			
BACK 29	4) 181°16'10"			
RP ¹ -35	65°12'40"	7868.47	90°59'	
\angle DEF LT	1-65°12'30"			
BACK 29	4-260°51'10"			
RP ¹ -34	70°17'00"	6296.56	90°41'	
\angle DEF LT	1-70°16'55"			
BACKSITE 29	4-281°08'30"			
RP ¹ -33	103°38'40"	5494.62	90°48'	
\angle INTRT	1-103°38'40"			
BACKSITE 29	2-207°17'20"			

STA	Horz \angle	SLP DIST	VERT \angle	Horz. DIST.
PT5-41	9°45'44"	6575.65	95°09'	6549.1018 -590.2532
\angle INT LT	1) 9°45'50"			
BACK 39	4) 39°02'55"			
PT5-40	8°22'53"	7724.80	94°26'	7701.6870 -597.1199
\angle INT LT	1) 8°22'45"			
BACK 39	4) 33°31'30"			
39-PT'5"	20°35'34	8627.91	86°01'	8607.0676 599.3489
\angle DEF RT	1) 20°35'30"			
BACK RP'	4) 82°22'15"			
RP'-39	21°22'38	10448.84	92°17'	10440.5437 -416.2937
\angle DEF LT	1) 24°22'20"			
BACK 29	4) 97°30'30"			
RP'-38	39°43'30"	10104.43	91°30'	10100.9675 -264.5681
\angle DEF LT	1) 38°43'20"			
BACK 29	4) 154°54'00"			

STA	HORZ. \angle	SLP. DIST.	VERT. \angle	HORZ. DIST.
-----	----------------	------------	----------------	-------------

TP5-47	43°52'00"	4521.92	89°54'	
--------	-----------	---------	--------	--

\angle DEF RT				
-----------------	--	--	--	--

BACK 39				
---------	--	--	--	--

TP5-46	47°12'41"	3393.99	91°36'	
--------	-----------	---------	--------	--

\angle DEF RT	1) 47°13'05"			
-----------------	--------------	--	--	--

BACK 39	4) 188°50'45"			
---------	---------------	--	--	--

TP5-45	69°49'09"	2454.87	97°03'	2436.3098 -301.2996
--------	-----------	---------	--------	---------------------

\angle DEF RT	1) 69°48'55"			
-----------------	--------------	--	--	--

BACK 39	4) 279°16'35"			
---------	---------------	--	--	--

TP5-44	78°50'40"	2447.02	97°08'	2438.0797 -303.8679
--------	-----------	---------	--------	---------------------

\angle INT LT	1) 78°50'30"			
-----------------	--------------	--	--	--

BACK 39	4) 315°22'40"			
---------	---------------	--	--	--

TP5-43	63°12'14"	1284.26	106°45'	1229.7106 SEL. COR
--------	-----------	---------	---------	--------------------

\angle INT LT	1) 63°11'55"			
-----------------	--------------	--	--	--

BACK 39	4) 252°48'55"			
---------	---------------	--	--	--

TP5-42	14°00'59"	6063.88	95°29'	6036.1319 SEL. COR
--------	-----------	---------	--------	--------------------

\angle INT LT	1) 14°01'05"			
-----------------	--------------	--	--	--

BACK 39	4) 56°03'55"			
---------	--------------	--	--	--

-370.1189

 \angle ERROR = 19" ✓

-579.4415

SUN SHOT FOR BEARING BETWEEN

SEC $\frac{14}{23} \frac{13}{24}$ AND $\frac{23}{26} \frac{24}{25}$

P. WARD T S. RUSSELL III

DATE: DEC. 30, 1980

LAT: 1

TIMEZONE: 8

WAX/CORR: 130580

TEMP:

PRESSURE 30.35

DEG.

HK. DIFF.

ELEV. 5200

SET NO. 1

SON

B.S.

RANGE

K.S.

HOLD

HOR~~X~~ ZN~~X~~ TIME

DER RT 00°00'00" 37°55'05" 74°07'30" 9:52:24

REV RT 34°52'00" 0°00'00" 23°48'10" 10:04:08

SET NO. 2

SON

B.S.

RANGE

K.S.

HOLD

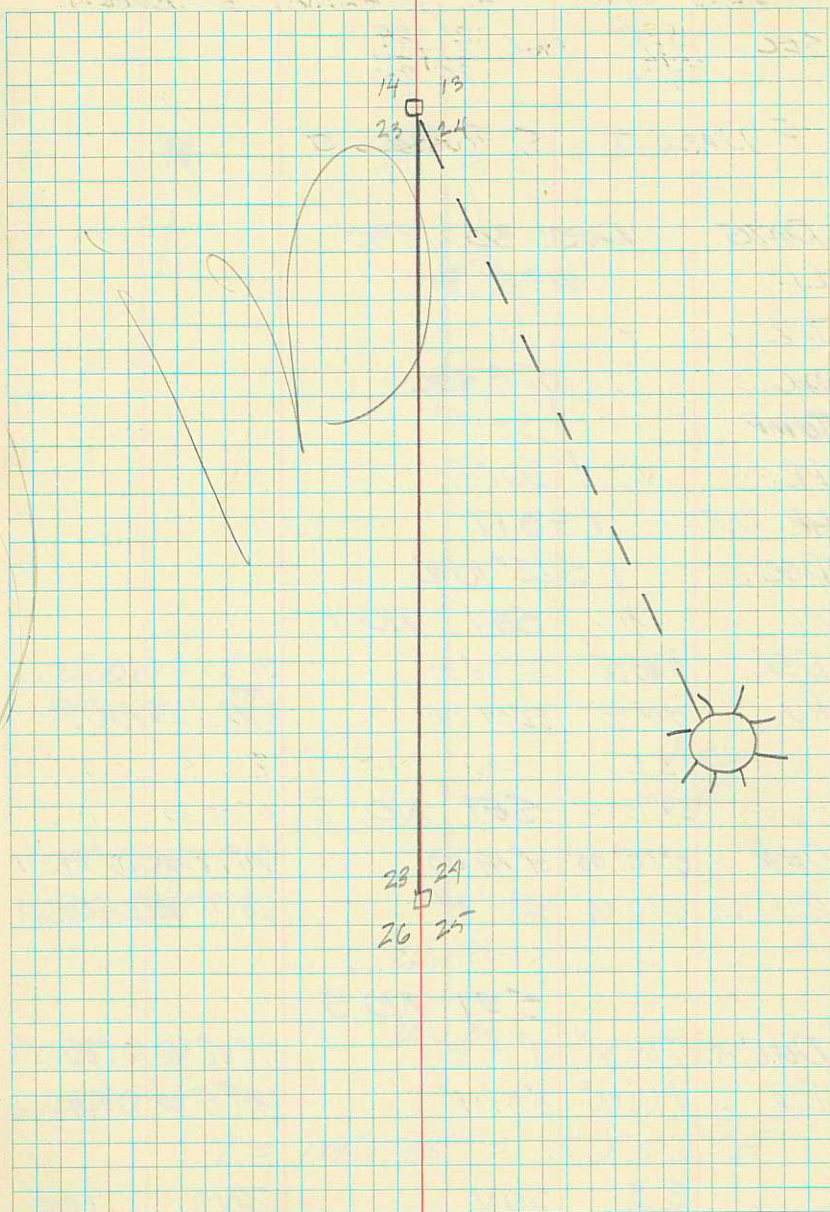
DER RT ~~37°16'20"~~ 37°16'20" 73°43'15" 9:55:40

REV RT 10: :

SET NO. 3

DER RT 26°20'55" 0°00'00" 73°10'00" 9:59:54

REV RT 10: :



SUN SHOT FOR BEARING BETWEEN

SEC.	14 13	AND	23 24
	23 24		26 25

PWARD T., S. RUSSELL III

DATE DEC. 30, 1980

LAT: 41° 46' 18"

T.Z.: 7

W.C. -24 SEC

TEMP: 38.5°

PR. 3035

HR. DIFF: 40.17

DEC. 523° 10' 2"

SET NO. 1

DER. 0° 00' 00" 32° 06' 30" 71° 20' 00" 10:20:10

R.V. LT 0° 00' 00" 32° 03' 20" 287° 31' 00" 10:13:50

SET NO. 2

DER 0° 00' 00" 31° 49' 00" 71° 12' 05" 10:21:31

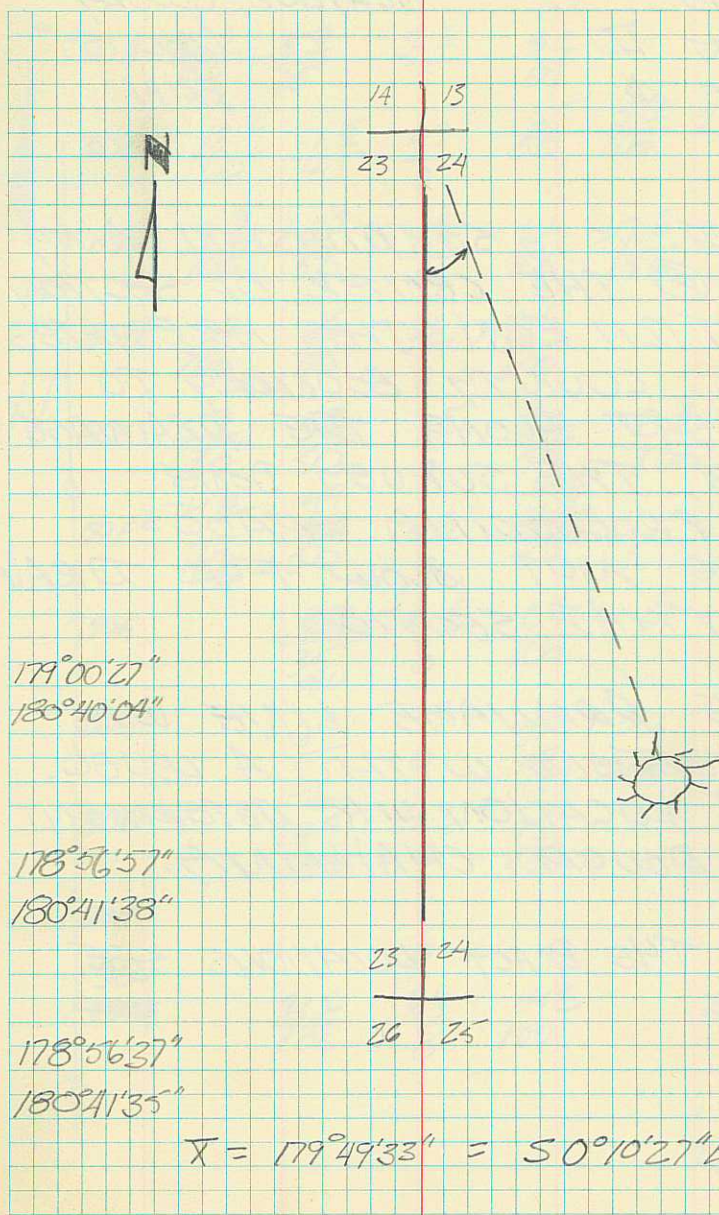
R.V. LT 0° 00' 00" 32° 19' 45" 287° 47' 05" 10:16:34

SET NO. 3

DER LT 0° 06' 00" 31° 25' 45" 71° 02' 00" 10:23:17

R.V. LT 0° 00' 00" 31° 57' 45" 287° 57' 20" 10:18:17

B.S. SUN ZNA TIME



6/5/81

SCOTT T

ROSS III

HOT CLEAR

75°

SHOTS TO SET ADDITIONAL
PTS. SET ON PROCEEDING PGS.

STA → STA H A S/DIST V*

TP₅ → 50A 5°26'15" 5575.68 95°36'45"

INTXLT 1413
BACK HD ~~1414~~
13124

TP₅ → 50B 11°36'45" 5599.95 95°22'00"

TP₅ → 50C 16°05'08" 5267.30 95°34'08"

T.
TP₃ → 50D 21°04'15" 41856.61 95°46'35"

TP₅ → 50E 23°45'00" 44182.30 95°55'45"

STA → STA	H/A	SD/ST	V/K
RP ₅ → 50F	28°34'05"	4095. ⁸⁸	96°26'50"
RP ₅ → 50G	33°17'30"	3854. ⁰⁸	96°44'15"
RP ₅ → 50H	35°05'55"	3696. ²⁰	96°59'45"
RP ₅ → 50I	39°16'50"	3305. ¹⁹	97°25'00"
RP ₅ → 50J	43°31'35"	2513. ⁴⁶	97°48'10"

6/12/81

SCOTT T

PRESTON #

Windy, Partly Cloudy

COOL 60°

LACHS Co. & BOY EWER to SORBYOKS

SET NEW COUNTY LINE.

RAY TRAV. FOR THAT LINE

STA → STA. MARK SPST V4

CP5A →	23/24	0°00'00"	1449.07	103°59'50"	1406.04
	20/25	0°00'00"	1448.7	103°59'50"	

BACK	23/24	180°00'00"	1449.07	256°00'10"	
------	-------	------------	---------	------------	--

FOR ALL
SHOTS

CP5A →	49A	6°45'14"	2687.965	96°03'30"	2672.96
INT LT		27°00'55"	2687.96	263°56'50"	
		6°45'05"	2687.97	96°03'50"	

CP5A →	50A	13°04'40"	2620.89	97°02'15"	2601.14
INT RT		13°04'30"	2620.90	97°02'30"	
		52°18'40"	2620.89	262°58'06"	

CP5A →	50B	18°05'44"	3195.19	97°11'25"	3170.06
INT RT		72°22'55"	3195.19	262°48'30"	
		18°54'20"	3195.19	97°11'20"	

STA → STA H A S DIST V A

$\text{CP}_{54} \rightarrow 50$
 INT RT

$39^{\circ}39'23''$	4789.57	$95^{\circ}36'48''$	4766.62
$39^{\circ}39'20''$	4789.61	$95^{\circ}36'55''$	
$158^{\circ}37'30''$	4789.52	$204^{\circ}23'20''$	

$\text{CP}_{54} \rightarrow 14/13$
 INT RT

$62^{\circ}10'30''$		$95^{\circ}27'30''$	5823.29
$62^{\circ}10'38''$	5849.815	$95^{\circ}29'40''$	5822.93
$62^{\circ}10'30''$	5849.81	$95^{\circ}29'50''$	
$248^{\circ}42'30''$	5849.82	$264^{\circ}30'30''$	

$\text{CP}_{54} \rightarrow 50$
 INT RT

$35^{\circ}36'38''$	4789.57	$95^{\circ}36'48''$	
$39^{\circ}39'20''$	4789.61	$95^{\circ}36'55''$	
$158^{\circ}38'30''$	4789.52	$204^{\circ}23'20''$	

