BK 4 MERIDIAN LINE

MERIDIAN
LINE
&
SECTION CORNER
BOOK #4

STANDARD
403
MINING TRANSIT BOOK

INDEXED
4-81

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

INDEX

PAGE

1 MON. OF COR 12/7 13/18 TWP 14N R1E & R1W

2 MON. OF COR 24/19 25/30 TWP 14N R1E & R1W

3 MON. OF COR 35/36 2/1 TWP 14N TWP 13N R1W

MONUMENT FOR SEC COR 12|7 / 13|18 T14N

RANGE 1 ~~TAN~~ EAST AND 1 WEST SLBM

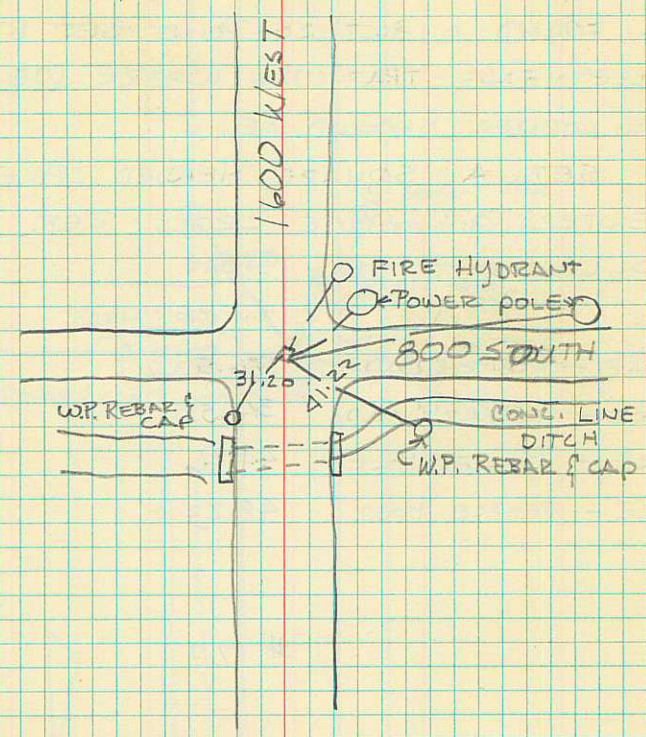
USE PLATS AND DEEDS TO ESTABLISH THIS CORNER.

SET SQUARE HEADED BOLT IN INTERSECTION OF 800 SOUTH STREET AND 1600 WEST STREET

REFERENCED AS FOLLOWS

CAP- W.P. REBAR	31.20
CAP - W.P. REBAR	41.22
CAP- PP 35' HIGH 1973	34.97
CAP- FIRE HYDRANT	53.95
CAP- PP 35' HIGH 1973	61.46

#126



5-20-80 MONUMENT FOR SEC. 24 | 19
25 | 30

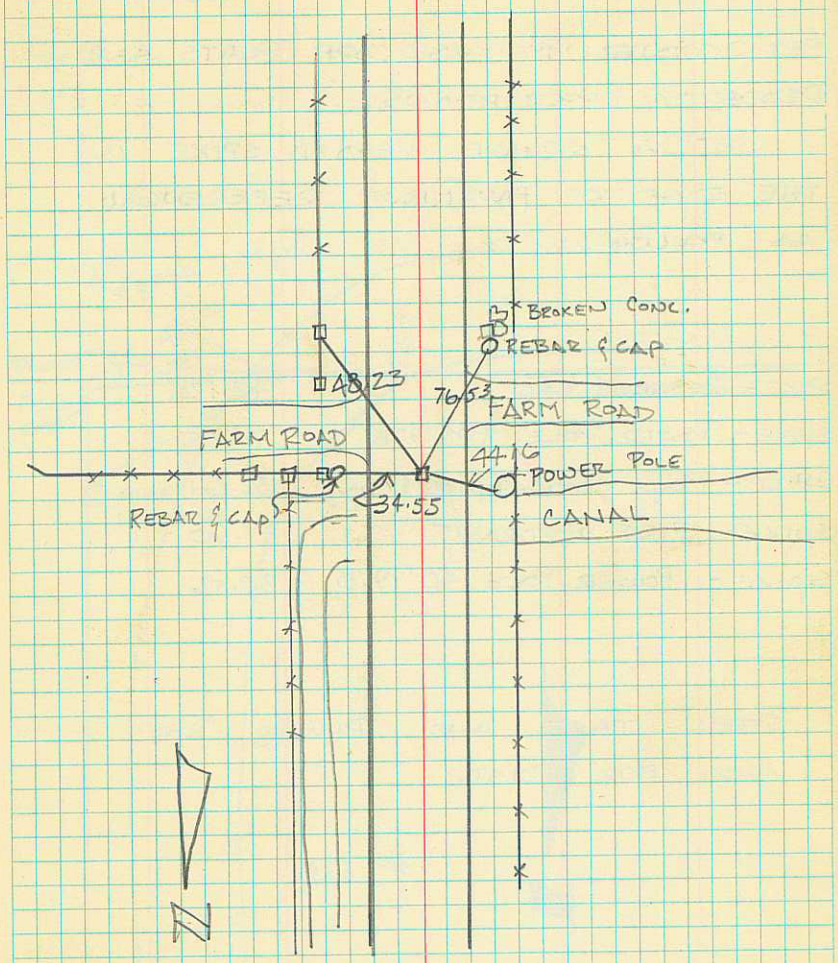
TWP 14 NORTH R1E & R1W SLBM.

TO ESTABLISH THIS CORNER WE USED PLATS AND PROPERTY DESCRIPTIONS ~~TO EST~~ WE FOUND A PICTURE POINT SET BY VALLEY ENG. THAT WAS WHERE WE FELT THE CORNER SHOULD BE.

SET A SQUARE HEADED SPIKE IN CENTER OF WHITE CROSS: REF. AS FOLLOWS:

SPIKE –	REBAR & CAP	76.53
SPIKE –	REBAR & CAP.	34.55
SPIKE –	POWER POLE	44.16
SPIKE –	FENCE POST	48.23

#127



5-20-80 MONUMENT FOR SEC T14N 35|36 R1W
2|1.
T13N

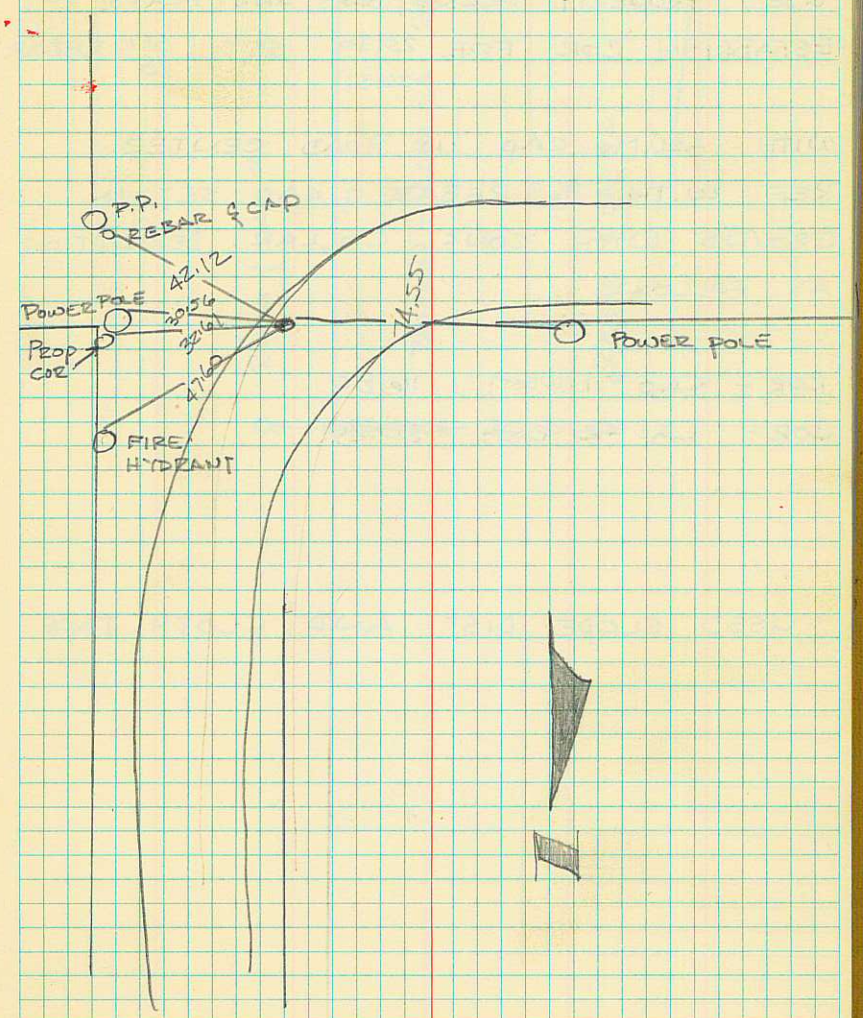
SET CORNER BY USE OF PLATS AND PROPERTY DESCRIPTIONS.

SET A SQUARE HEADED SPIKE IN THE EDGE OF PAVEMENT REFERENCED AS FOLLOWS:

SPIKE - REBAR & CAP	42.12
SPIKE - POWER POLE 40' 1978	74.55
SPIKE - PROP. CORN. (PIPE & CAP.)	32.61
SPIKE - FIRE HYDRANT	47.60
SPIKE - POWER POLE 40' 1978	30.56

STEEL TAPE AND PLUMB BOBS USED FOR DIST.

128



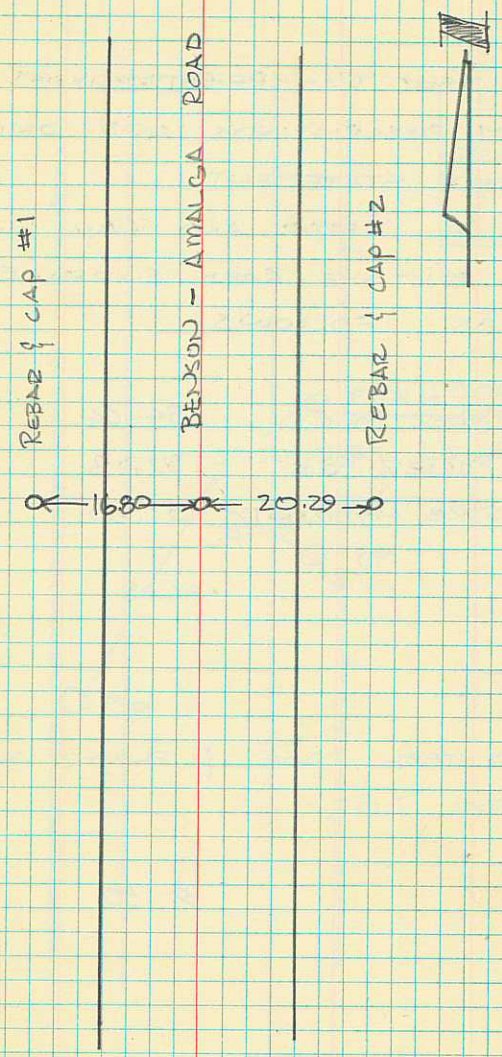
5-21-80 MONUMENT FOR SEC. 25|30 / 36|31

TWP 13 No. R1E & R1W ON SLBM

USED PROPERTY DESCRIPTIONS AND PLATS TO ESTABLISH COR FOR 25|30 / 36|31 SET 5/8" REBAR WITH ALUM. CAP IN ROAD CENTER. REF. WITH 5/8" REBAR & CAP SET IN GROUND WITH CONC. COLLAR. DESCRIPTION AS FOLLOWS

COR - CAP #1 (WEST) 16.80
COR - CAP #2 (EAST) 20.29

USED SLOPE DIST AND CLOTH TAPE



5-21-80 MONUMENT FOR SEC 12|7 T13N
13|18

R1E AND 1W ON SLBM.

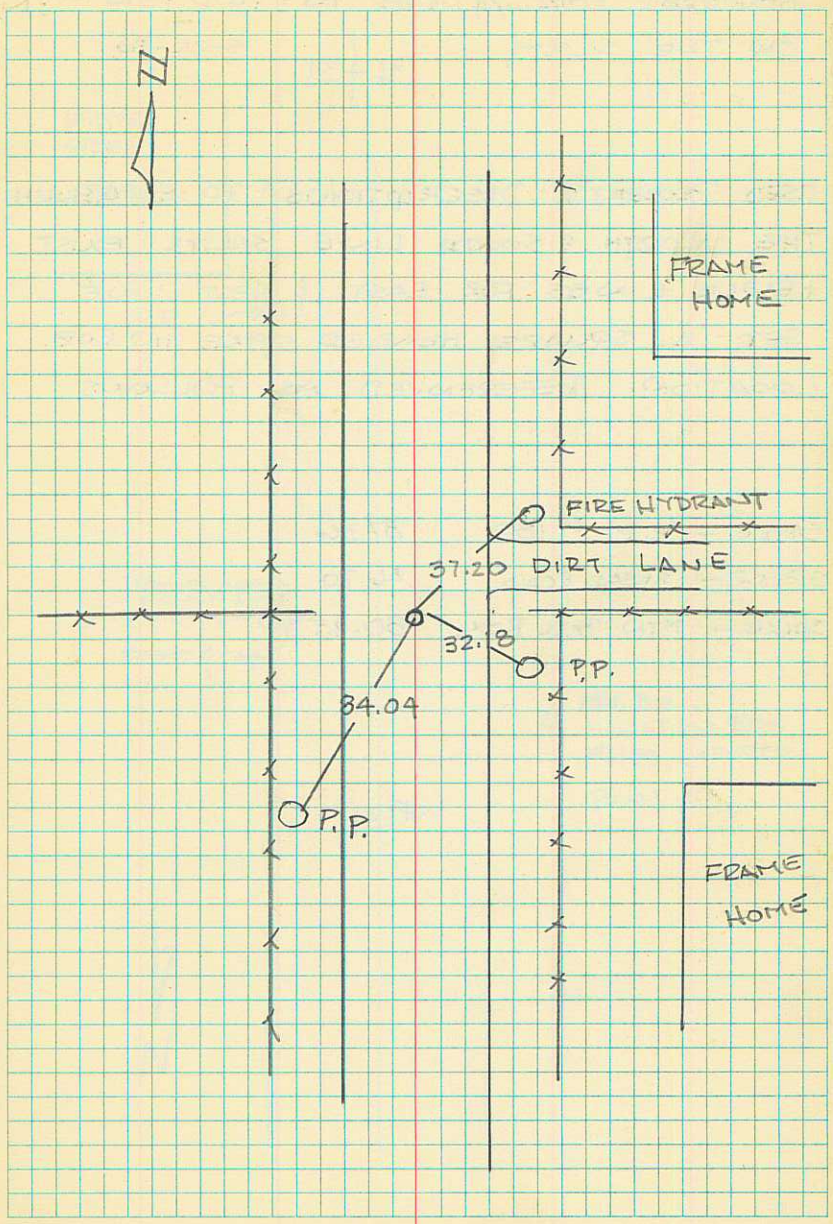
THIS POINT WAS RE-ESTABLISHED BY USING PROPERT DESCRIPTIONS AND LONG TIME RESIDENT STATEMENTS.

SET A REBAR AND CAP FLUSH WITH THE EXISTING ROAD SURFACE, REF. COR AS FOLLOWS

CAP- POWER POLE	84.04
CAP- POWER POLE	32.18
CAP- FIRE HYDRANT	37.20

STEEL TAPE & PLUMB BOBS USED FOR DIST.

#130

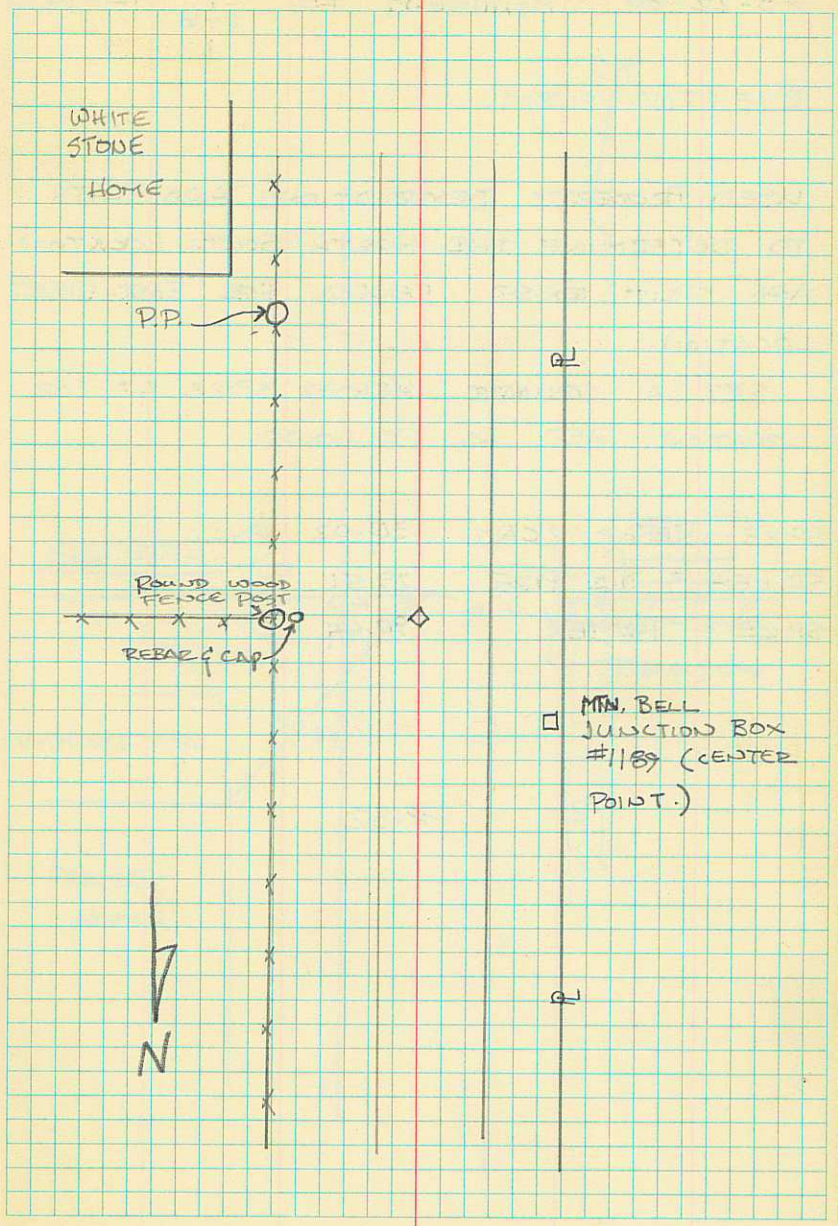


MONUMENT FOR 1/4 COR IN TWP 15N
ON THE SLBM 36 | 31 5-22-80

USED PROPERTY DESCRIPTIONS TO ESTABLISH
THE NORTH & SOUTH LINE SPLITS EXIST.
FENCE LINES FOR EAST & WEST LINE
SET A SQUARE HEADED SPIKE IN COR.
LOCATION. REFERENCED AS FOLLOWS

SPIKE –	P.P #180	87.36
SPIKE –	REBAR & CAP	26.70
SPIKE –	MTN BELL BOX	80.45

#131



5-22-80 MONUMENT FOR 1-6 TWP 14N

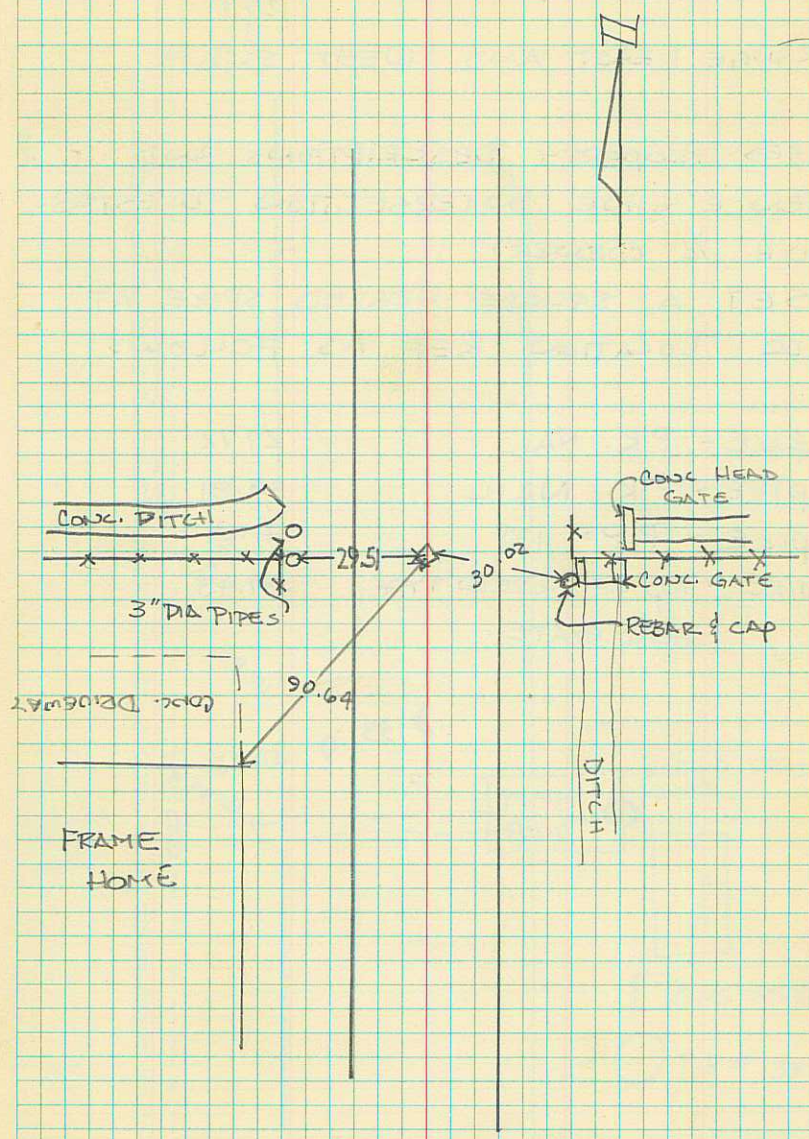
R1E & R1W SLBM.

USED PROPERTY DESCRIPTIONS AND PLATS TO DETERMINE THE NORTH SOUTH LOCATION AND SPLIT EXIST FENCES FOR EAST-WEST LOCATION.

SET A SQUARE HEADED SPIKE AT COR LOCATION REF. AS FOLLOWS:

SPIKE- REBAR & CAP	30.02
SPIKE- 3" DIA PIPE	29.51
SPIKE - HOME	90.64

#132

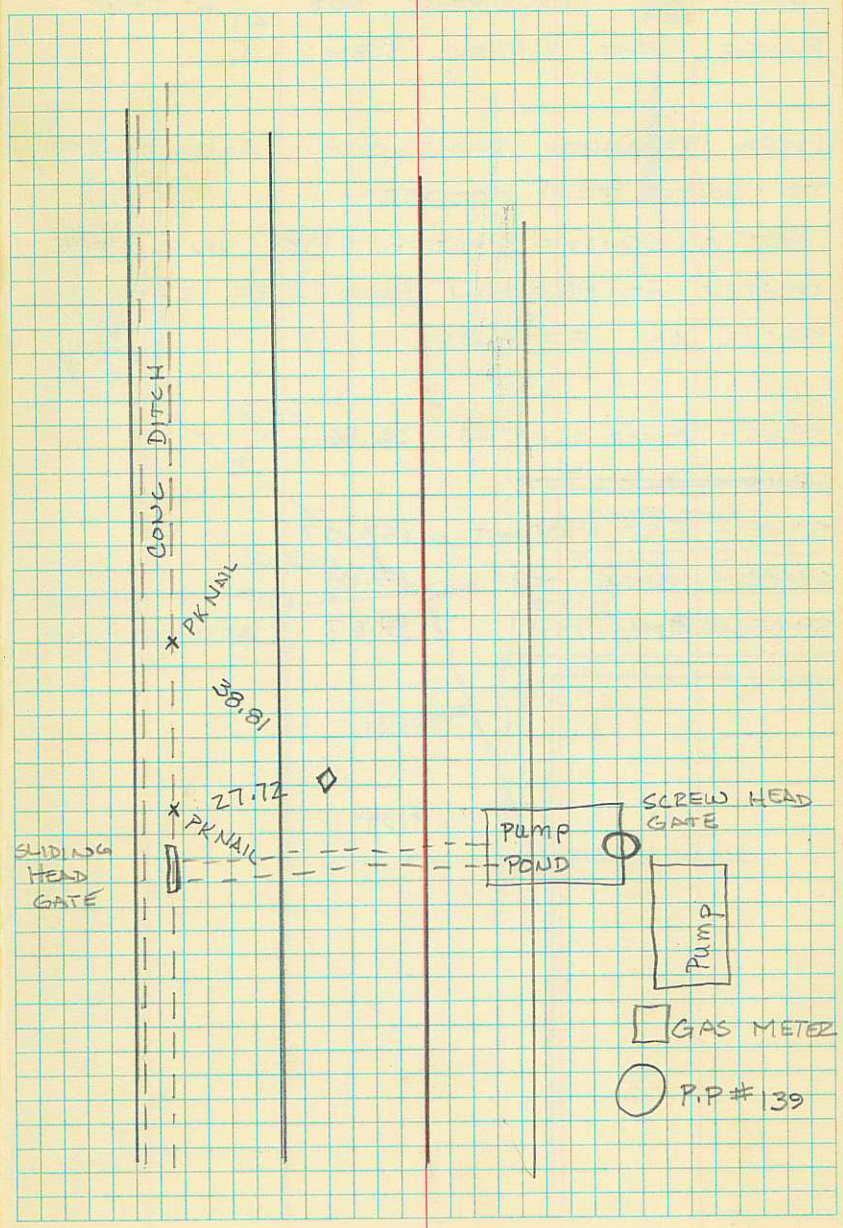


5-22-80 MONUMENT FOR 1/4 TWP 14N
12 | 7
RANGE 1 EAST AND 1 WEST SLBM

USED PROPERTY DESCRIPTIONS AND FENCE LINE INTERSECTION TO ESTABLISH 1/4 CORNER.
SET A SQUARE HEADED SPIKE AT COR LOCATION REF AS FOLLOWS.

SPIKE - P.K. NAIL	27.72
SPIKE - P.K. NAIL	38.81
SPIKE - P.P# 139	41.81
SPIKE - TOP OF SCREW TYPE HEAD GATE.	37.43

#133

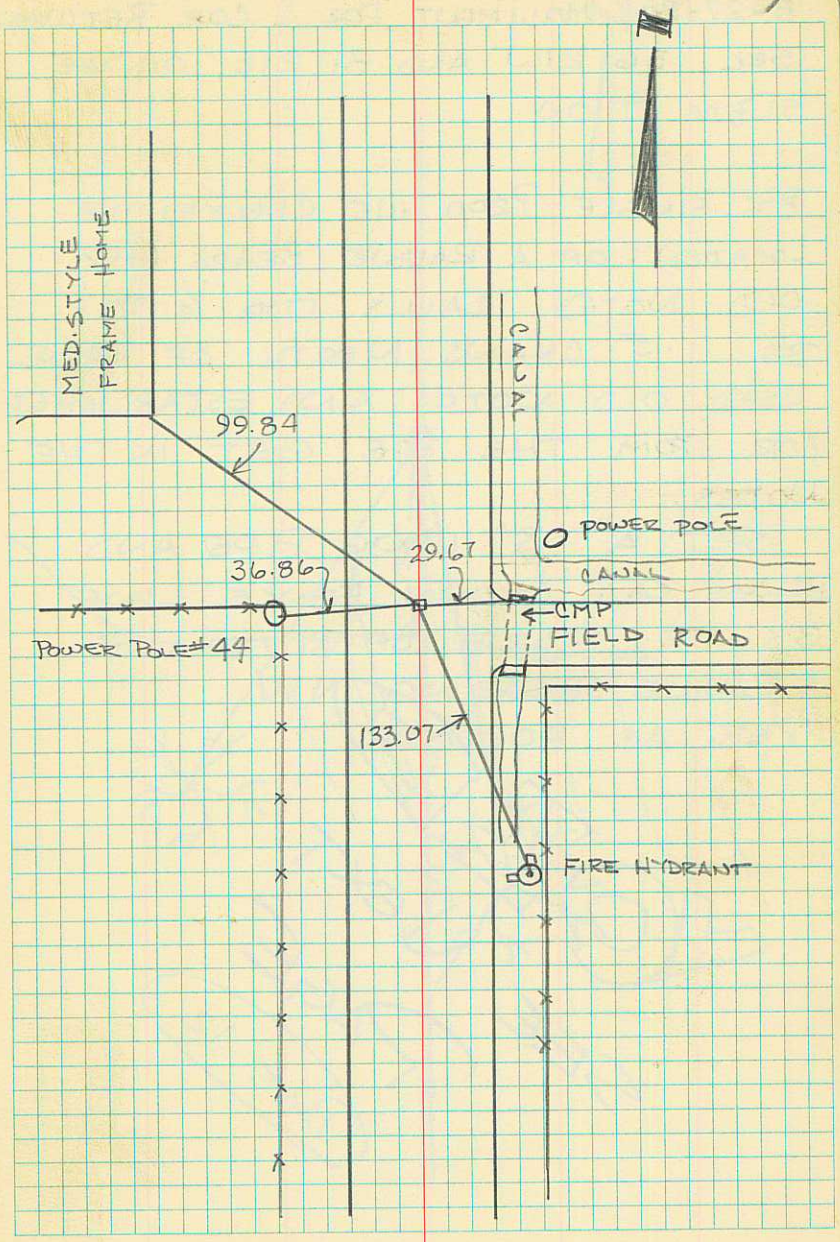


5-22-80 MONUMENT FOR 12 + 7 T13N
RANGE 1 EAST & 1 WEST. SLBM

USED PROPERTY DESCRIPTIONS AND PLATS TO LOCATE THIS CORNER!
SET A SQUARE HEADED SPIKE INTO THE CENTER OF MERIDIAN ROAD: REF. THE SPIKE AS FOLLOWS:

SPIKE -	POWER POLE #44	36.86
~~SPIKE -~~	~~POWER POLE~~	
SPIKE -	FIRE HYDRANT	133.07
SPIKE -	HOUSE	99.84
SPIKE -	PIPE	29.67

#134



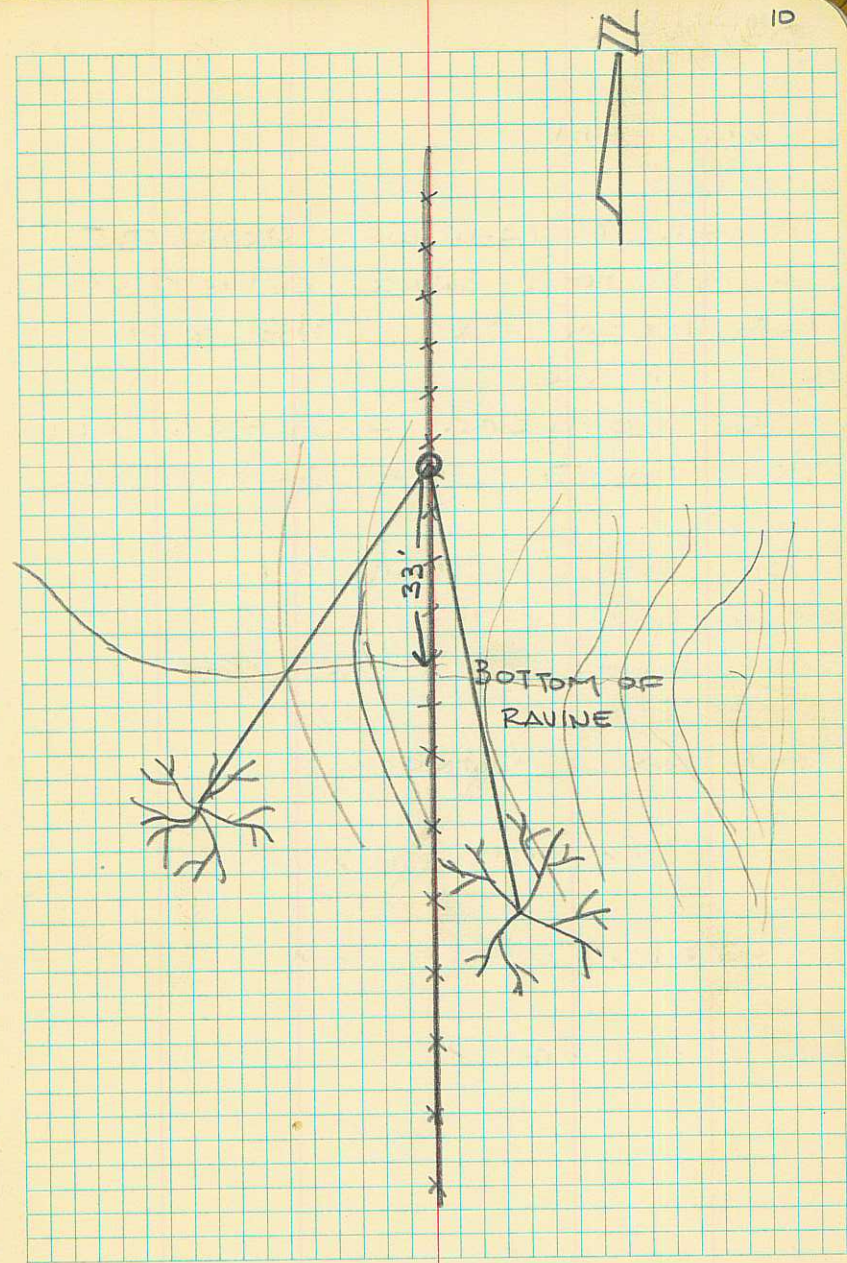
5-27-80 MONUMENT FOR ¼ COR BETWEEN SEC 36 R1W AND 31 R1E ON THE SLBM T1ON.

BY SINGLE PROP. WE CHECKED THE LOCATION OF A RAVINE BEARS NW OLD NOTES CALLS FOR ¼ TO BE .5 CHAINS NORTH OF RAVINE USED OLD NOTES AND ESTABLISHED COR FROM THE TIE GET IN THE NOTES.

SET A 3' LONG PIPE AND BRASS CAP ALONG FENCE LINE 33 FT. NORTH OF BOTTOM OF A RAVINE BEARING NW REF. AS FOLLOWS

VOLD SEE NEXT PAGE.

PAGE 12



5-27-80

FOUND ORIGINAL STONE WHILE GATHERING STONE TO USE ~~ALONG~~ AROUND MONUMENT DESCRIBED ON PREVIOUS PAGE. STONE WAS PLAINLY MARKED WITH ¼ ON WEST FACE

SET BRASS CAP IN STONES LOCATION BURIED STONE ALONG SIDE.

REF. AS FOLLOWS.

CAp - BUSHY SCRUB OAK 57.20'

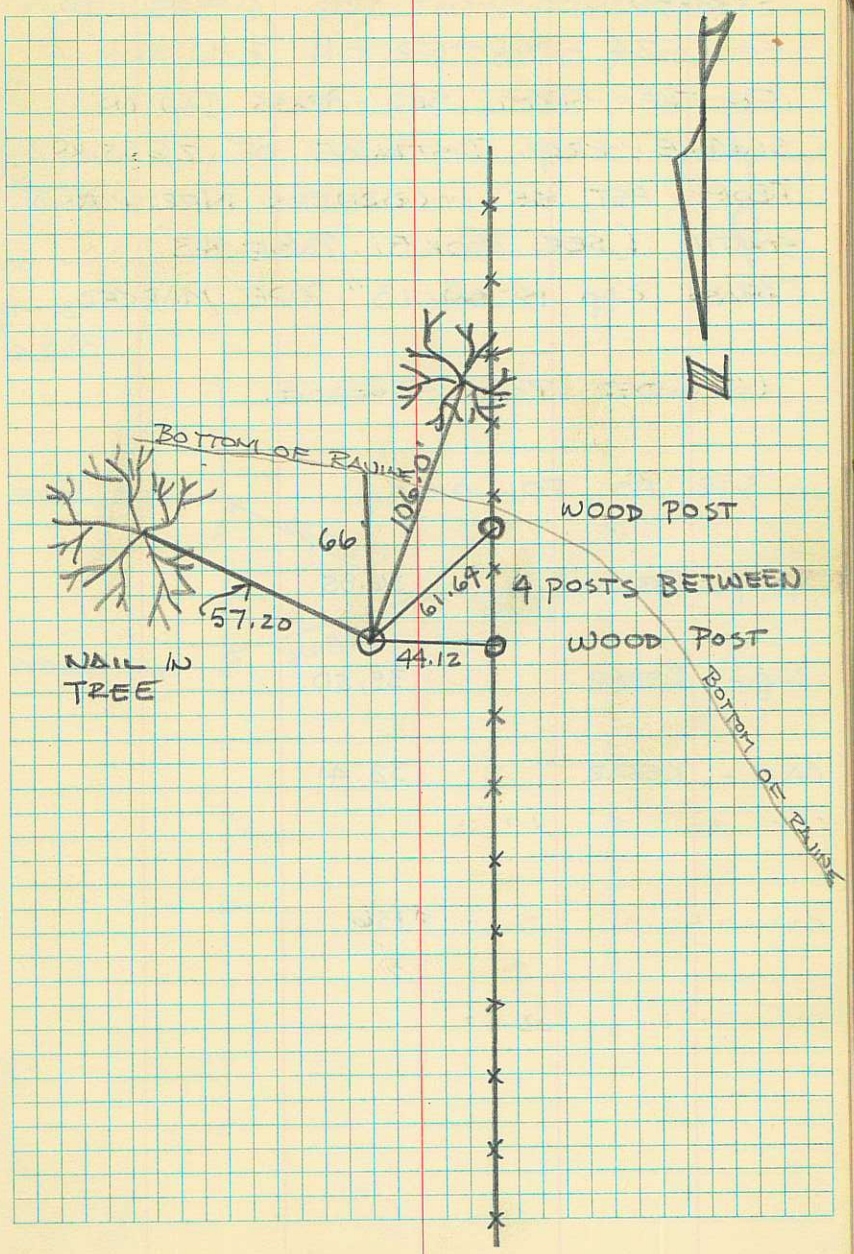
CAp - BOTTOM OF RAVINE 66.0'

CAp - 1ST POST NORTH OF RAVINE 61.64'

CAp - 6th POST NORTH OF RAVINE 44.12

CAp - BUSHY SCRUB OAK 106.0

#135



5-28-80 MONUMENT FOR 1/4 BETWEEN SEC. 24 - 19 TWP 10N R1W AND 1E ON THE SLBM. SET BRASS CAP ON SINGLE PROP. DISTANCE OF 2655.39 FROM EST. SEC. CORNERS NORTH AND SOUTH. (SEE BOOK #1 PAGE 43)

BRASS CAP IS ON 18" PIPE MARKED 24 TION — 19 R1W 1E

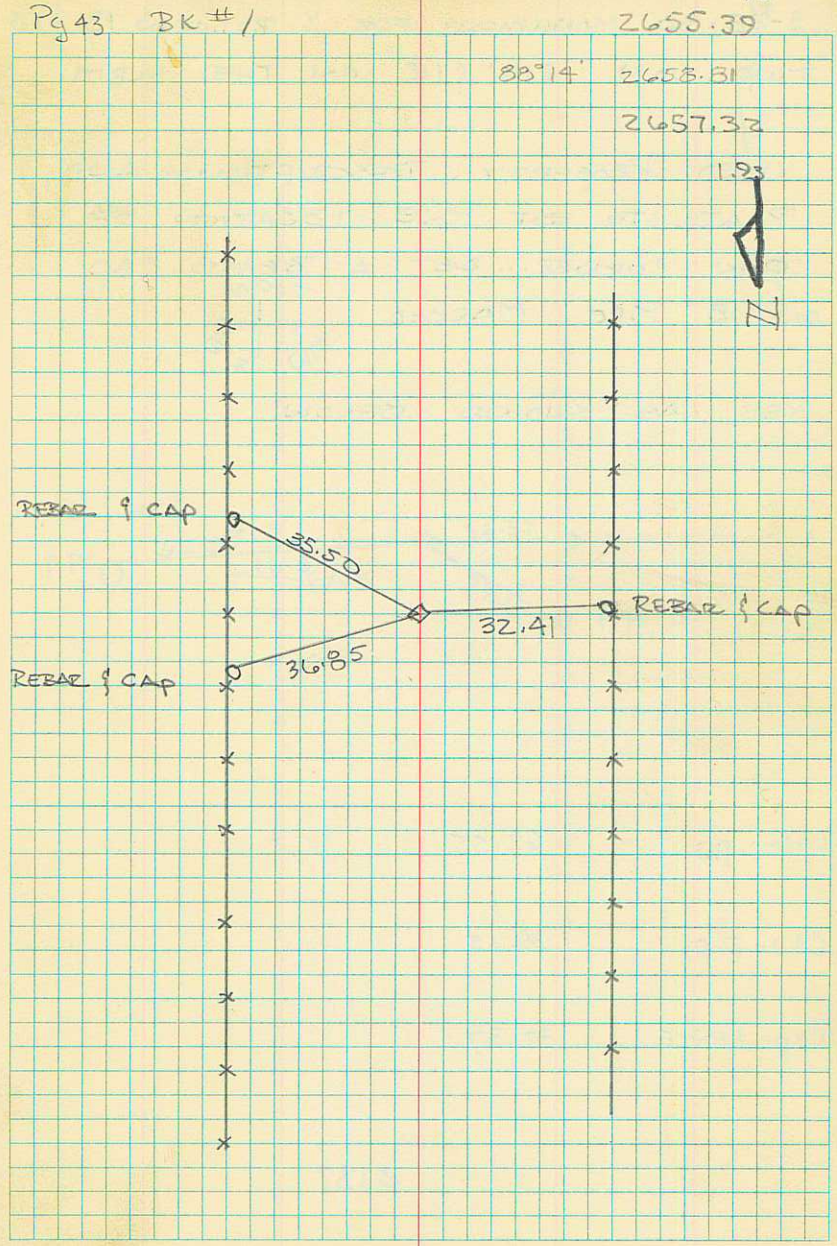
6" UNDER ROAD SURFACE.

REF AS FOLLOWS

CAP -	REBAR	36.85
CAP -	REBAR	35.50
CAP -	REBAR	32.41

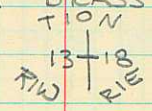
#136

Pg 43 BK #1



5-28-80 MONUMENT FOR 1/4 BETWEEN 13 & 18
TWP 10N R1W & 1E ON THE SLBM.

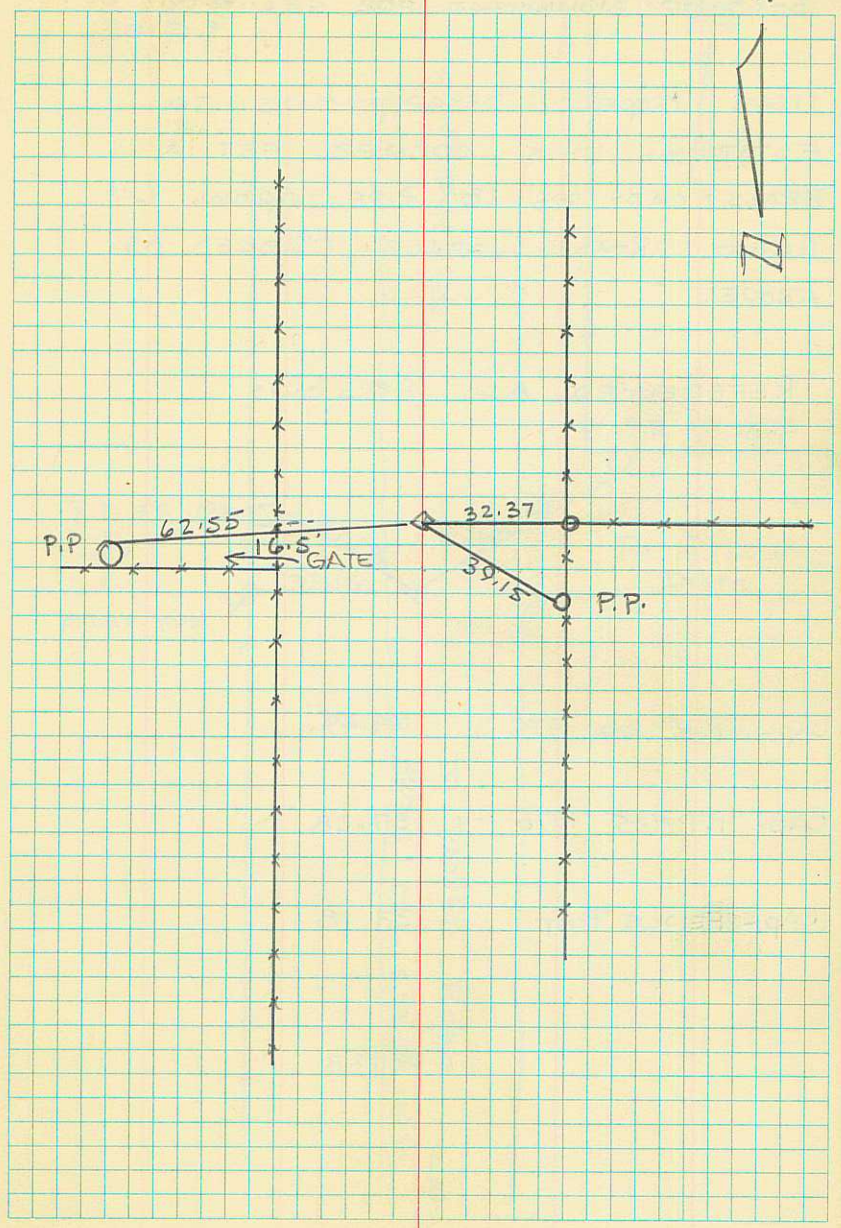
USED PROPERTY DESCRIPTIONS AND PLATS TO EST THE LOCATION OF THIS CORNER. SET A BRASS CAP ON 18" PIPE. MARKED



REF. AS SHOWN BELOW

CAP- P.P.	62.55
CAP- P.P	39.15
CAP- FENCE	32.37

#137



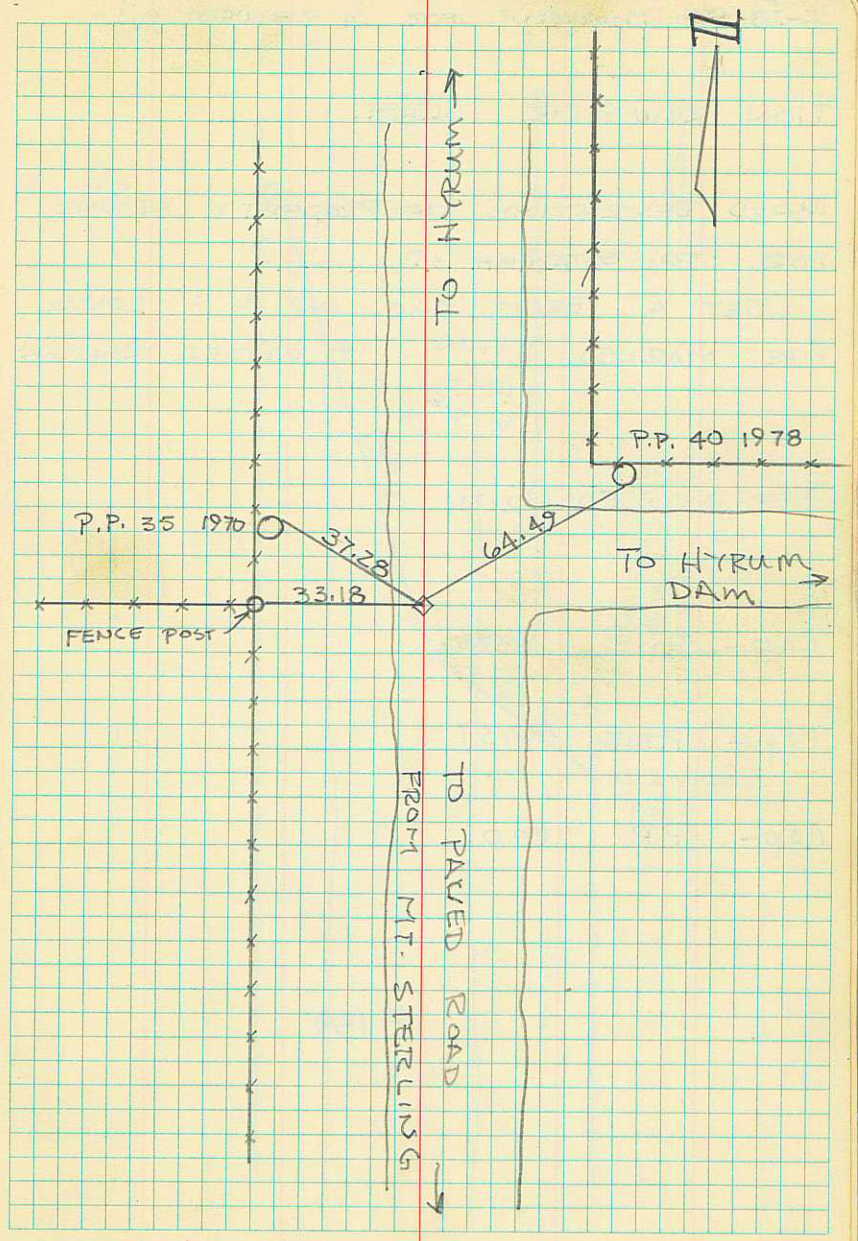
5-28-80 MONUMENT FOR SEC 13 | 7 | 18 T 10N

USED PROPERTY DESCRIPTIONS TO ESTABLISH THIS CORNER. SET A BRASS CAP ON 18" PIPE APPROX 6" UNDER ROAD SURFACE. MARKED AS ABOVE.

REFERENCED AS FOLLOWS

CAP- P.P# 40 1978	64.49
CAP- P.P #35 1970	37.28
CAP- FENCE POST	33.18

#138



5-28-80 MONUMENT FOR 1/4 BETWEEN 12+7

TION R1W & R1E SUBM.

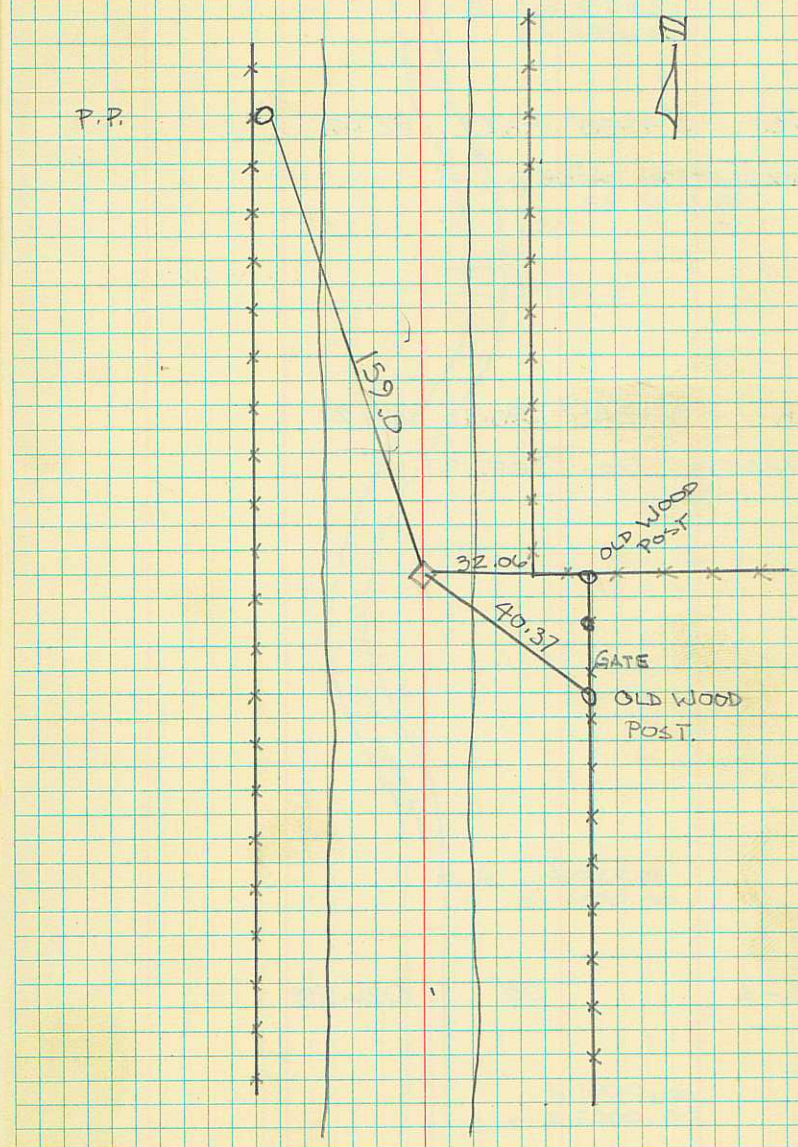
USED DESCRIPTIONS OF PROPERTY AROUND COR. TO ESTABLISH IT.

SET A BRASS CAP ON A 3' LONG PIPE MARKED TION 12+7 R1W R1E 4" UNDER ROADWAY

REF. AS FOLLOWS

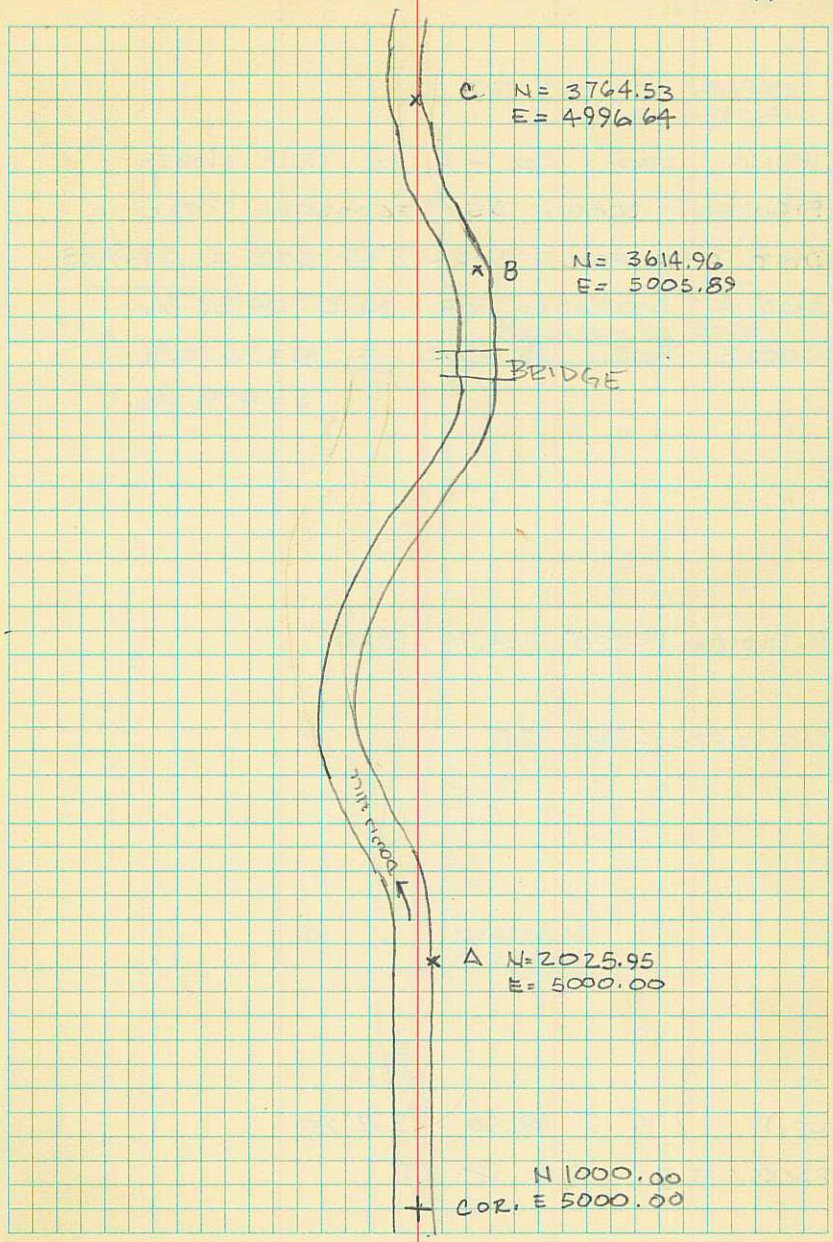
CAP-	POST	32.06
CAP-	POST	40.37
CAP-	P.P.	159.0

#139



TRAVERSE TO CHECK SINGLE PROP.
OF 1/4 1/6 TION ON MERIDIAN LINE.

B-C	3°45'00"	149.95	92°02'
BACKSIGHT A - DEF. LT			
A-B	0°12'45"	1590.70	267°22'
BACKSIGHT COR- DEF. RT			
COR - A		88°	1026.58



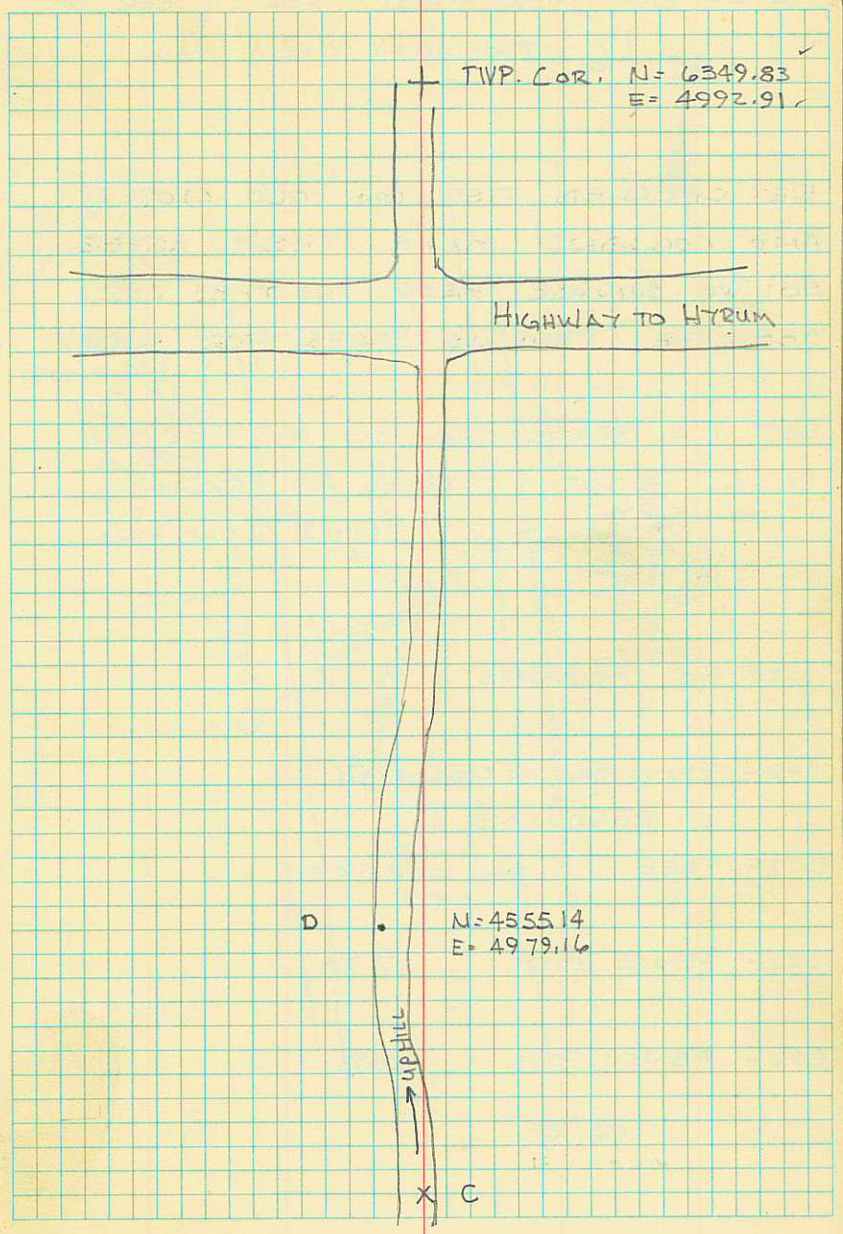
USING FROM COR – A AS TRUE NORTH
FIGURED COORD. AS RECORDED. TOTAL
DIST. BETWEEN COR – TWP COR = 5349.83
AND A BEARING OF N 0°04'33"W.
COORD FOR ¼ COR = N = 3674.91 +3'
E = 4996.46. + 5'

D-TWP COR.	1°42'20"	1794.74	89°54'

BACKSIGHT C - DEF RT.

C-D	2°16'15"	791.50	272°25'

BACKSIGHT B - DEF ~~LT.~~ RT.



5-30-80 MONUMENT FOR 1/4 COR OF 1+6 TWP 10N R1E & 1W.

WE CHECKED TIES ON OLD NOTES AND COULDN'T MAKE THEM AGREE SO WE SINGLE PROP. IN THIS COR. SEE THE PREVIOUS PAGES FOR INFO.

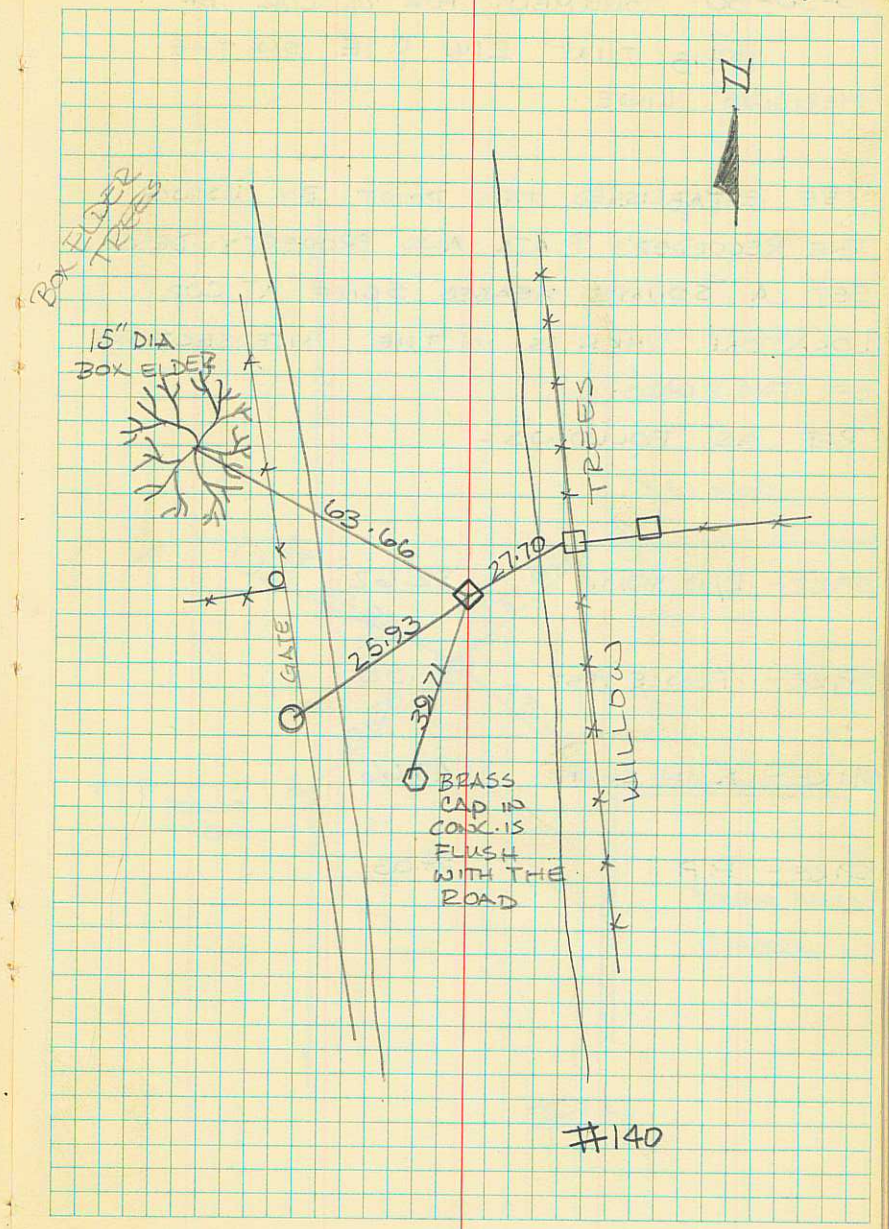
SET A BRASS CAP ON 18" PIPE ON CALC. POINT. MARKED AS FOLLOWS

T10N
1+6
R1W R1E

2" BELOW ROAD WAY

REF. AS FOLLOWS

COR - BRASS CAP IN CONC. IN ROADWAY	39.71
COR - TREE	63.66
COR - FENCE POST	27.70
COR - FENCE POST	25.93



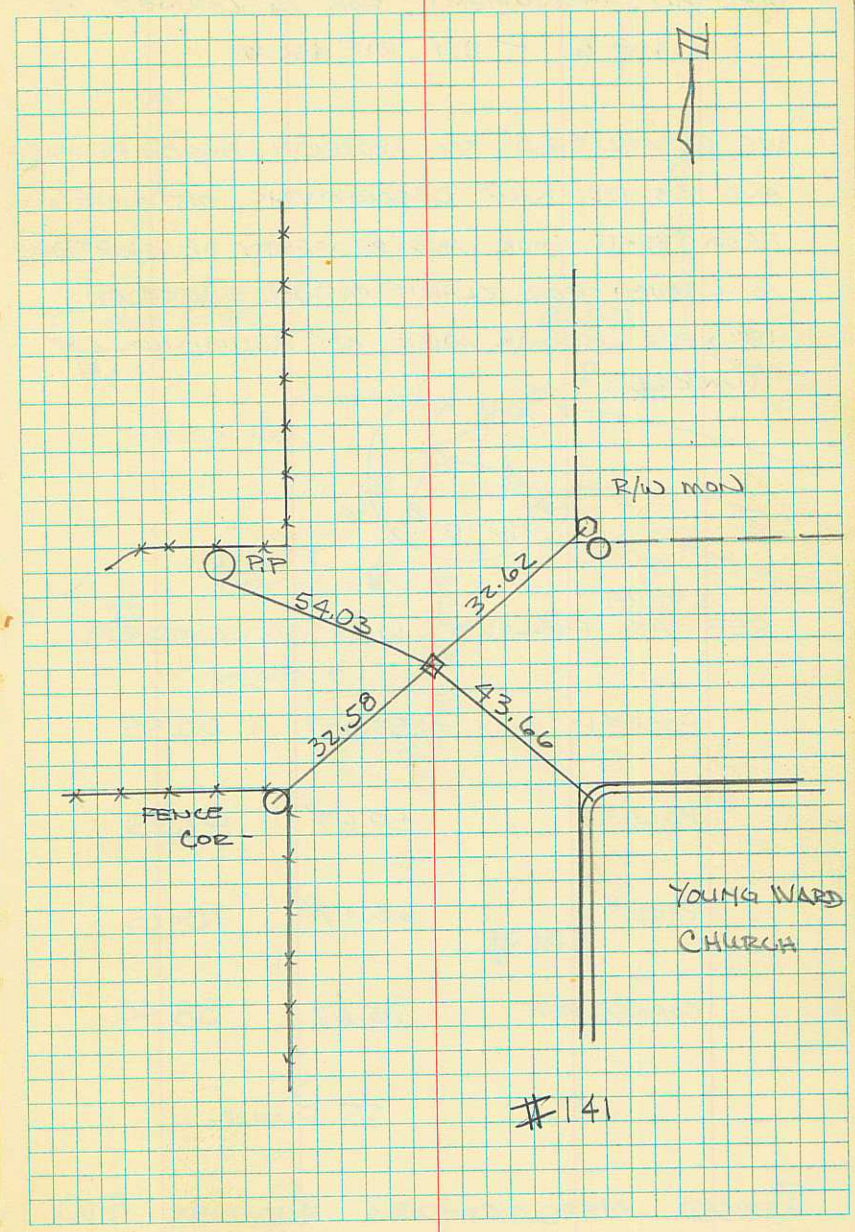
#140

5-30-80 MONUMENT FOR 1/4 COR OF 13 | 18 T1N R1W & 1E ON THE MERIDIAN LINE.

WE ESTABLISHED THIS POINT BY USING THE RECORDER'S PLATS AND PROPERTY DESC. SET A SQUARE HEADED SPIKE AT COR LOCATION. WHICH IS IN THE INTERSECTION OF TWO ROADS.

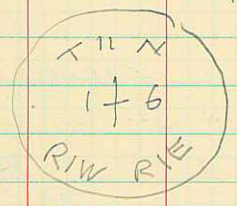
REF. AS FOLLOWS -

SPIKE - R/W MON.	32.62
SPIKE - FENCE POST	32.58
SPIKE - "X" IN CURB	43.66
SPIKE - P.P.	54.03



6-4-80 MONUMENT FOR 1/4 CORNER OF
1 + 6 T 11N R1E & R1W

WE ESTABLISHED BY PROPERTY DESCRIPTIONS AND CO. RD. R/W DESCRIPTIONS, OBTAINED FROM PLATT BOOK AND PROPERTY DESCRIPTIONS AS NEEDED FOR CLARIFICATION. SET AN 18" x 5/8" REBAR WITH AN ALUMINUM CAP MARKED:

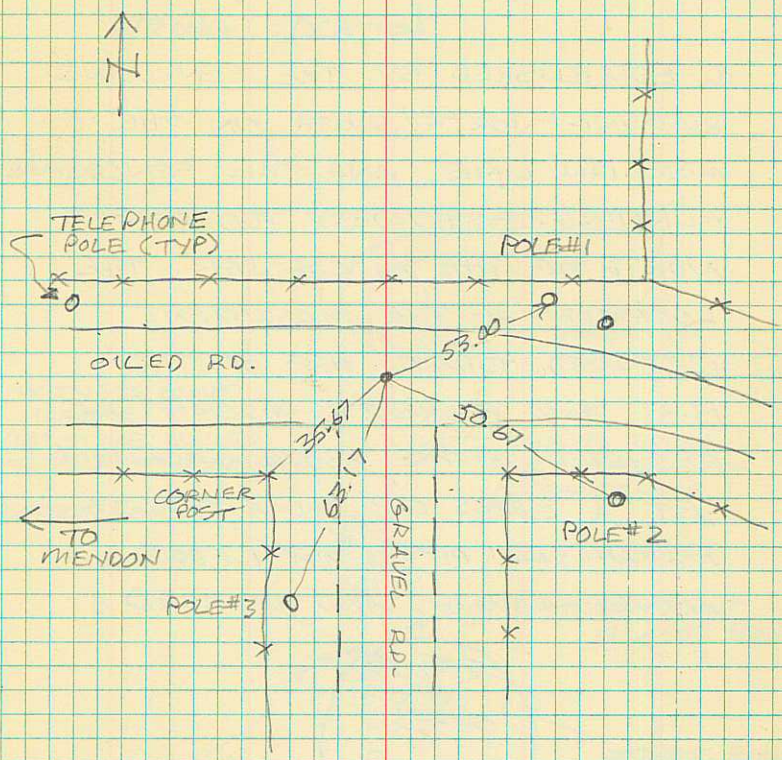


REF AS FOLLOWS, WITH STEEL TAPE

POLE #1	53.00'	55.55
POLE #2	50.67'	47.75
POLE #3	63.17'	70.15
CORNER POST	35.67	38.40

J. Parrish

REVISED MEASUREMENTS AUG 1988 PW



#142

6-4-80 MONUMENT FOR 1/4 CORNER OF
36 + 31 T12N R1E & R1W

I ESTABLISHED BY THE FENCELINE RUNNING NORTH/SOUTH ON THE MERIDIAN LINE, AND THE FENCELINE RUNNING EAST/WEST 100 FEET NORTH OF THE 1/4 CORNER, THE LOCATION OF THE MONUMENT INSTALLED TODAY. USE OF THE PLAT AND PROPERTY DESCRIPTIONS RESULTED IN THE ABOVE LOCATION. SET A BRASS CAP ON A 3" x 3" GALVANIZED PIPE, SET 1 FOOT ABOVE GROUND, AND MARKED:

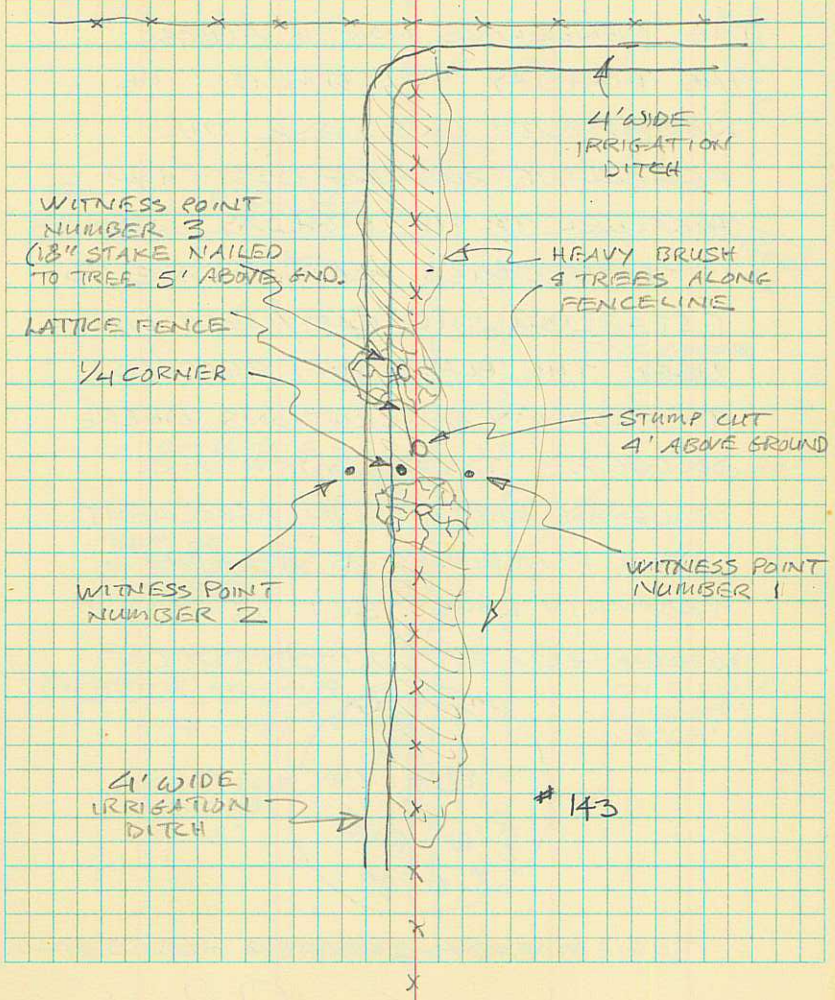
T12N
36 + 31
R1W R1E
6-4-80

REF AS FOLLOWS, WITH CLOTH TAPE AND PLUMBOB:

WITNESS #1	12.38'
WITNESS #2	9.27
WITNESS #3	8.50'

J Parrish

DO NOT USE THIS 1/4 CORNER
WRONG LOCATION.



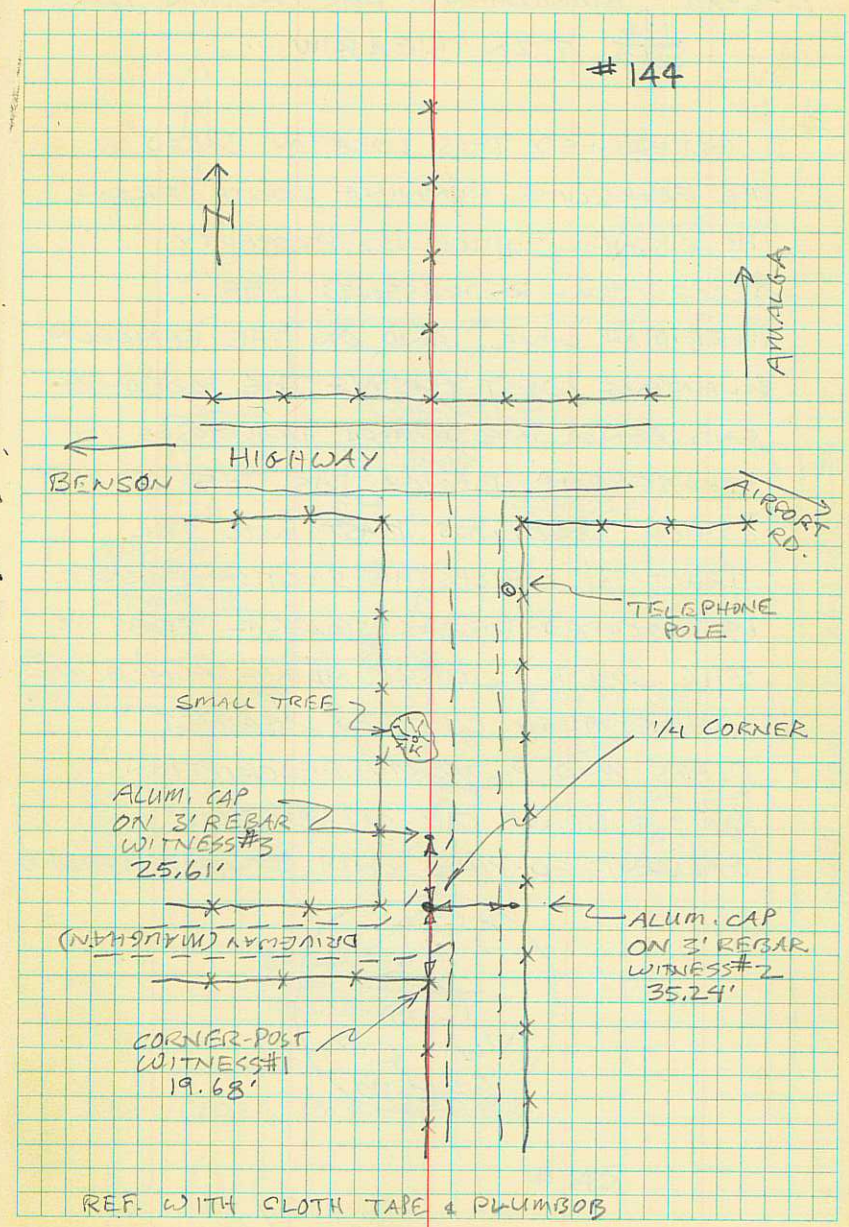
6-4-80 MONUMENT FOR 1/4 CORNER OF
12 + 7 T12N R1E & R1W

I ESTABLISHED THIS LOCATION BY PROPERTY DESCRIPTIONS, USING THE WEST FENCELINE OF MERIDIAN ROAD & THE FENCELINE NORTH ACROSS THE HIGHWAY TO ESTABLISH THE NORTH/SOUTH LINE, AND THE FENCELINE RUNNING WEST AND PARALLEL TO THE HIGHWAY WHICH IS THE ACCEPTED PROPERTY LINE TO ESTABLISH THE EAST/WEST LINE. USED THE PLATS AND REFERED TO PROPERTY DESCRIPTIONS WHERE NEEDED. I TALKED WITH MR. MAUGHAN WHO WAS IN AGREEMENT ABOUT FENCELINES AS ACCEPTED PROPERTY LINES. SET 18"x3" GALVANIZED PIPE WITH BRASS CAP:

T12N
12 + 7
R1W R1E
6-4-80

BURIED CAP 4-6" BELOW GRAVEL ROAD.

J Parrish



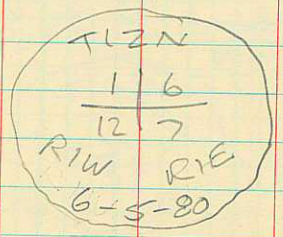
REF. WITH CLOTH TAPE & PLUMBOB

6-5-80 MONUMENT FOR SECTION COR.

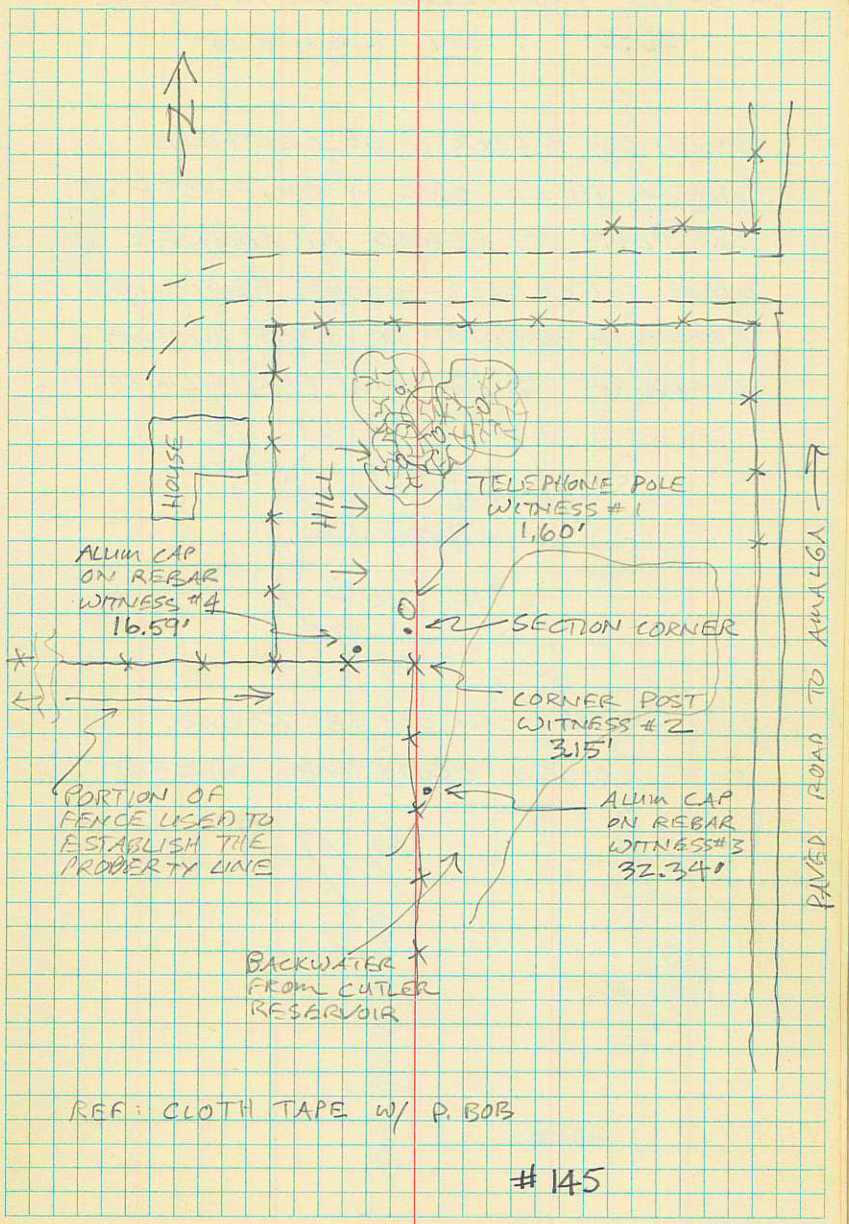
1	6
12	7

T12N R1E & R1W

I ESTABLISHED THIS LOCATION BASED ON THE FENCELINE RUNNING SOUTH FROM THE CORNER, WHICH BY PROPERTY DESCRIPTION REPRESENTS THE MERIDIAN LINE, AND ON THE FENCELINE RUNNING WEST (USING THE PORTION OF SAID FENCELINE WHICH TRAVERSES THE TOP OF THE BENCH, AS THE 50 FEET WHICH DESCENDS EAST INTO THE DRAW IN WHICH THE SECTION CORNER IS LOCATED VEARS SEVERAL FEET TO THE SOUTH) SURROUNDING FENCELINES WERE ALSO CHECKED AGAINST PLATS AND PROPERTY DESCRIPTIONS. SET A BRASS CAP ON A 3'x3" GALVANIZED PIPE WITH 9" ABOVE GROUND



J Parish

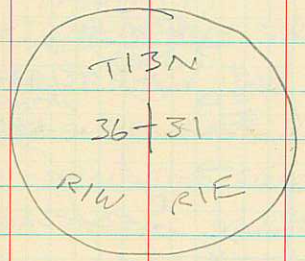


REF: CLOTH TAPE W/ P. BOB

#145

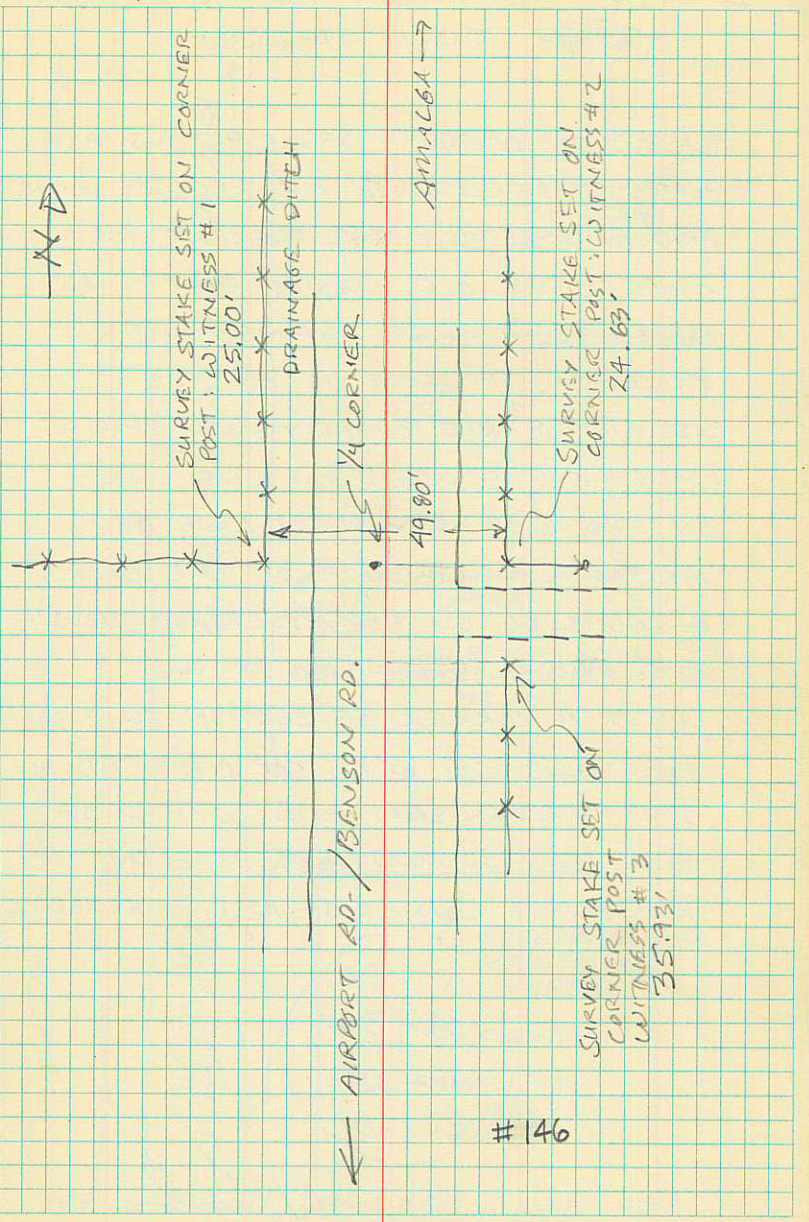
6-5-80 MONUMENT FOR 1/4 CORNER
36 | 31 T13N R1E & R1W

BASED ON PROPERTY DESCRIPTIONS - IN WHERE THERE WAS A CONFLICT - AND ON PLATS, I PLACED 1/4 CORNER IN LINE WITH ESTABLISHED FENCELINE RUNNING EAST/WEST, AND MIDWAY BETWEEN CO. RD. R/W FENCELINES.



SET ALUM CAP ON 18" REBAR.
REF: USED CLOTH TAPE w/ P.B.O.B

J Pamish



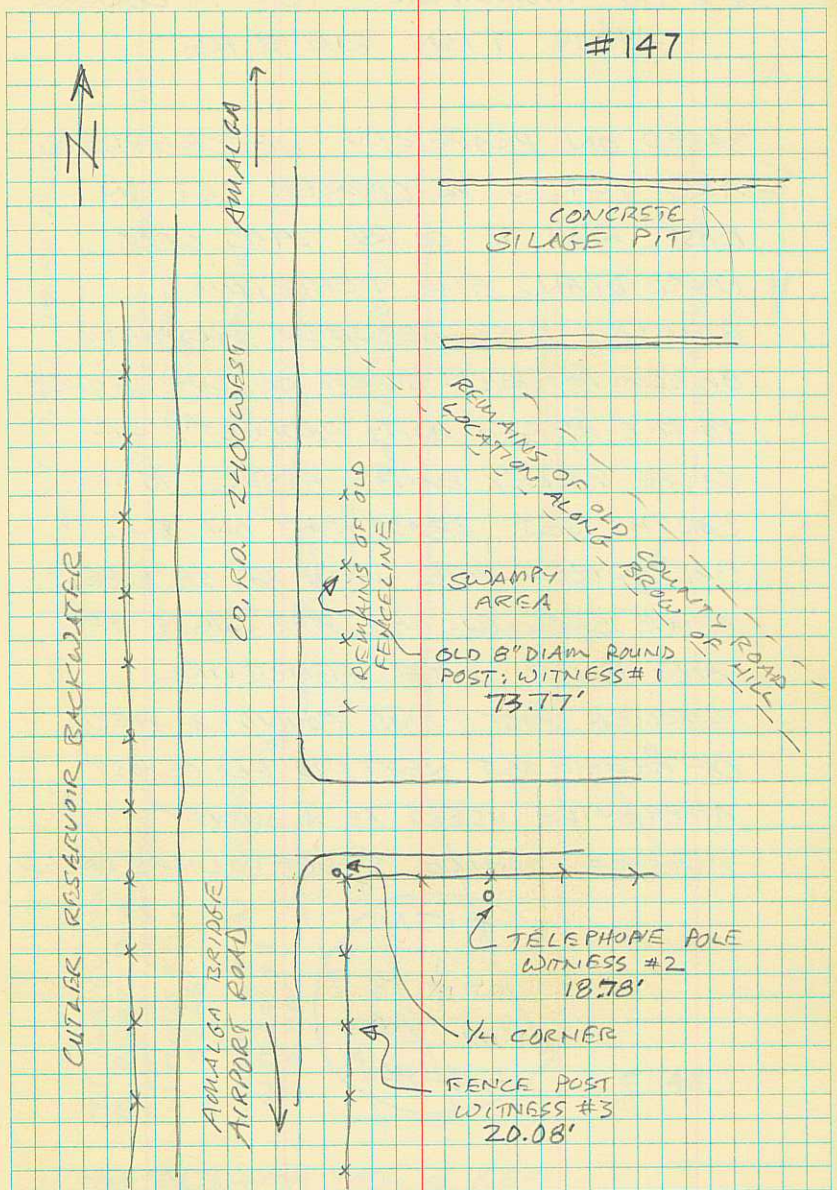
6-5-80 MONUMENT FOR 1/4 CORNER
25+30 T13N R1E & R1W

BASED ON PROPERTY DESCRIPTIONS & PLATS. TALKED WITH MR. ROBERT MUNK AND HE SAID HE SET THE PRESENT POST WHERE THE OLD CORNER POST WAS ORIGINALLY THAT DEFINED HIS PROPERTY. THE POST IS ON THE EAST R/W OF THE COUNTY ROAD 2400 W. WHICH IS THE MERIDIAN LINE, AND ON THE NORTH PROPERTY LINE OF MR. MONK, JUST SOUTH OF THE CO. RD. ESTABLISHED BY THE APPLEBEND SURVEY, AND WHICH IS DEFINED AS THE WEST 1/4 CORNER OF SECTION 30, T13N, R1E&R1W: SET BRASS CAP MOUNTED ON 3'x3" GALVANIZED PIPE WITH 6" OF PIPE ABOVE GROUND. SET PIPE ON NORTHWEST CORNER OF POST. MARKED CAP:

T13N
25+30
R1W R1E
6-5-80

J Pauch

#147



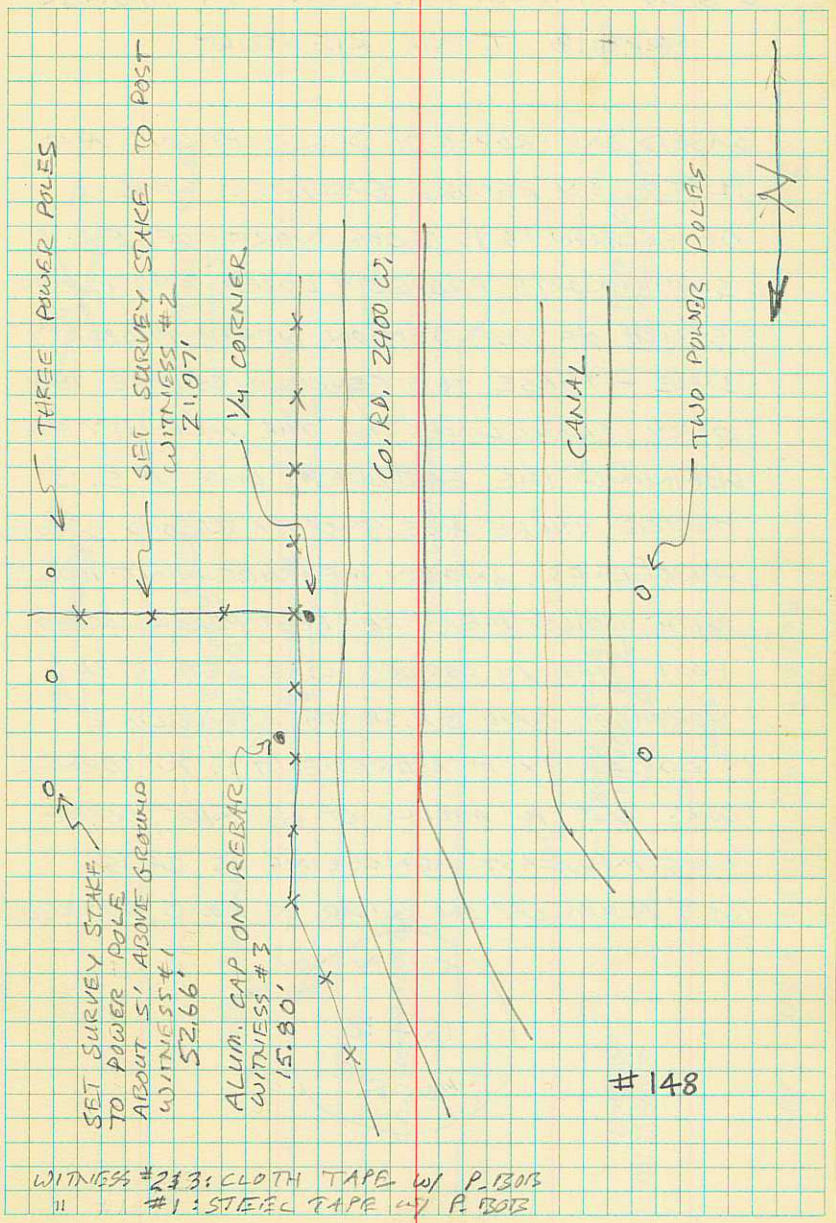
REF.: USE CLOTH TAPE & P.BOB, EXCEPT FOR WITNESS #1 WHERE THE STEEL TAPE & P.BOB WERE USED

6-6-80 MONUMENT FOR 1/4 CORNER
24 + 19 T13N R1E & R1W

BASED ON PROPERTY DESCRIPTIONS AND PLATT. 1/4 CORNER SET ON EAST R/W OF CO. RD. 2400 WEST (MERIDIAN) AND FENCELINE RUNNING EAST BETWEEN PROPERTY OF SMITHFIELD STAKE OF LDS CHURCH TO THE NORTH AND PROPERTY OF CACHE VALLEY DAIRY ASSOC. TO THE SOUTH. SET BRASS CAP ON 3'x3" GALVANIZED PIPE WITH 6" OF PIPE ABOVE GROUND. SET PIPE WEST OF AND FLUSH WITH FENCELINE CORNER POST, AND FOUND A PIECE OF REBAR SET NEXT TO FENCEPOST, APPARENTLY USED AS A SURVEY MARKER, WHICH I LEFT UNDISTURBED

T13N
24 + 19
R1W R1E
6-6-80

J Parrish

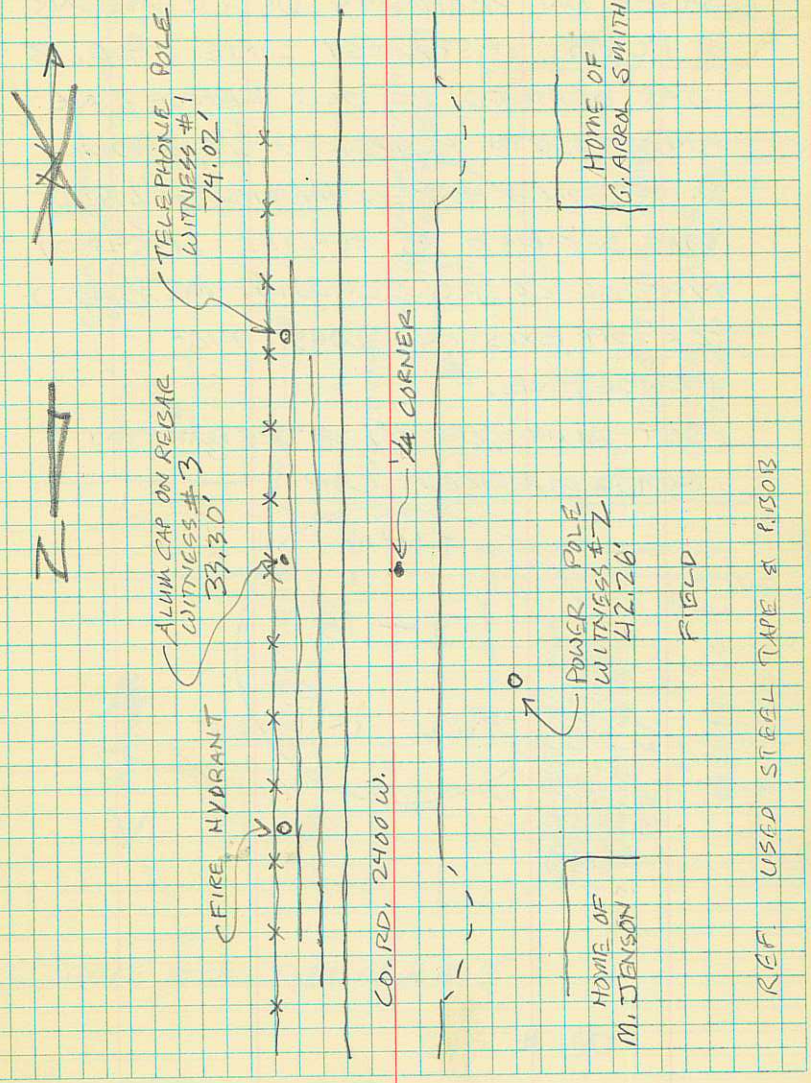


6-6-80 MONUMENT FOR 1/4 CORNER
13 + 18 T13N R1E & R1W

BASED ON PROPERTY DESCRIPTIONS AND PLATS. BY RECORD EAST/WEST LINE OF SECTION 13 IS 3 CHS NORTH OF G.A. SMITH NORTH PROPERTY LINE, AND 12 CHS SOUTH OF O.M. JENSON NORTH PROPERTY LINE – THESE TWO FENCELINES ARE THE ONLY FENCELINES IN THE VICINITY FOR DEFINING THE EAST/WEST LINE OF S. 13 HENCE, THERE ARE 990' BY RECORD BETWEEN FENCELINES, AND BY MEASUREMENT 1006.35'; WITH 1.0165 MEASURED FEET PER RECORDED FOOT, THE 1/4 CORNER WAS SET 3 CHS NORTH OF SAID G.A. SMITH FENCELINE (201.27' BY MEASUREMENT). 1/4 CORNER WAS SET IN MIDDLE OF 66' R/W, USING EXISTING EAST FENCELINE AS BASIS. SET ALUM CAP ON REBAR IN ROAD, MARKED:

T13N
13 + 18
R1W R1E

#149



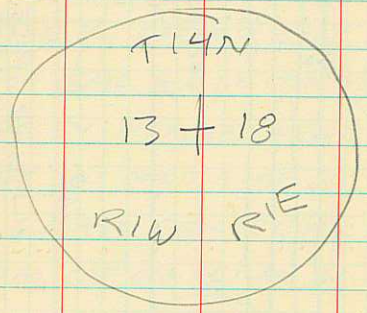
FIELD

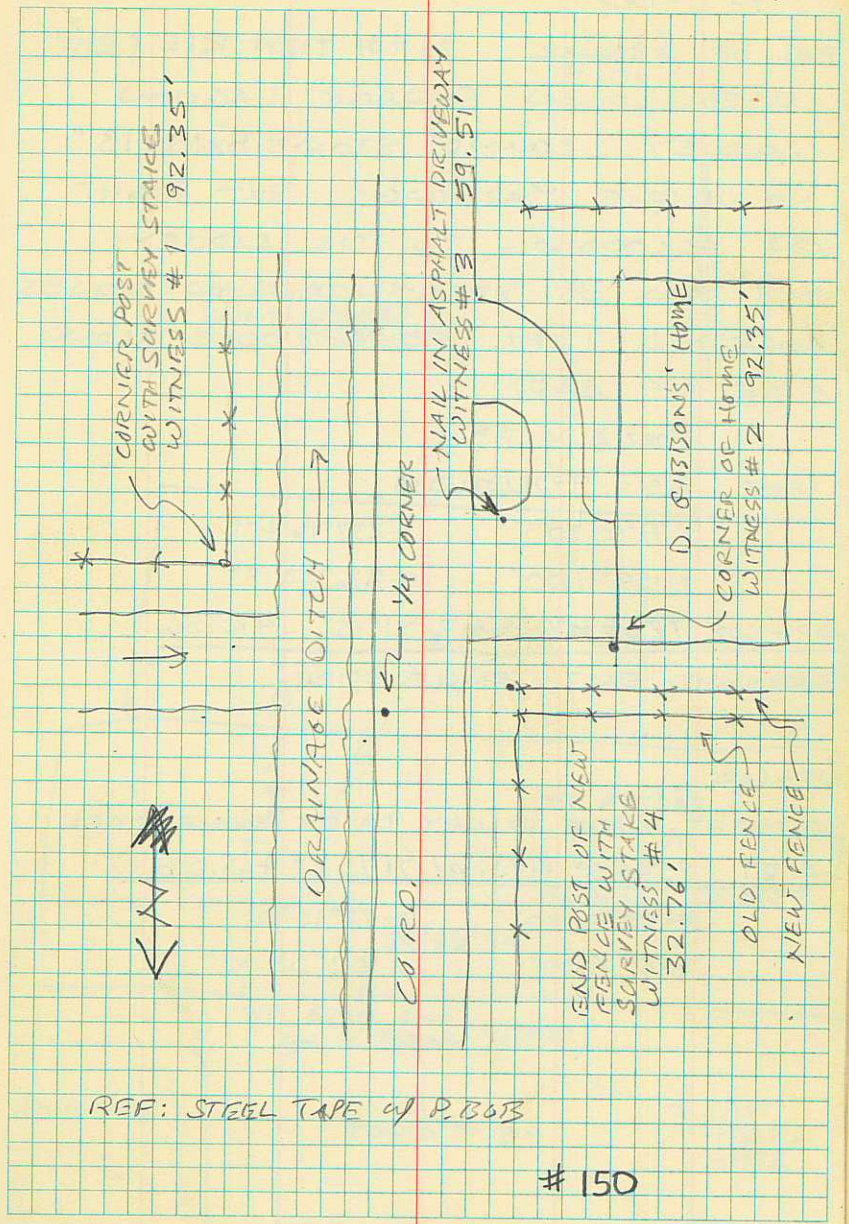
REF USED STEEL TAPE & P.ISOB

6-6-80 MONUMENT FOR 1/4 CORNER
13 + 18 T14N R1W & R1E

BASED ON PROPERTY DESCRIPTIONS & PLATS. EAST/WEST LINE OF S. 13 WAS DEFINED BY OLD FENCELINE AND NORTH PROPERTY LINE OF D. GIBBONS HOME. MERIDIAN LINE WAS DEFINED AS CENTER OF 4 ROD R/W OF CO. RD. 2400 W. MEASURED 2R OFF EXISTING WEST R/W FENCELINE.

SET ALUM CAP W/ 18" REBAR IN ROAD, MARKED CAP:





REF: STEEL TAPE W/ R. BOB

#150

7-2-80

MON. OF 1/4 CORNER 25 + 31 T12N R1E BRW

USED LOGAN SEWAGE LAGOON

SURVEY FOUND STONE 8"x10"x13"

NO VISIBLE MARKINGS BUT RIGHT

ON ACCORDING TO THE SURVEY

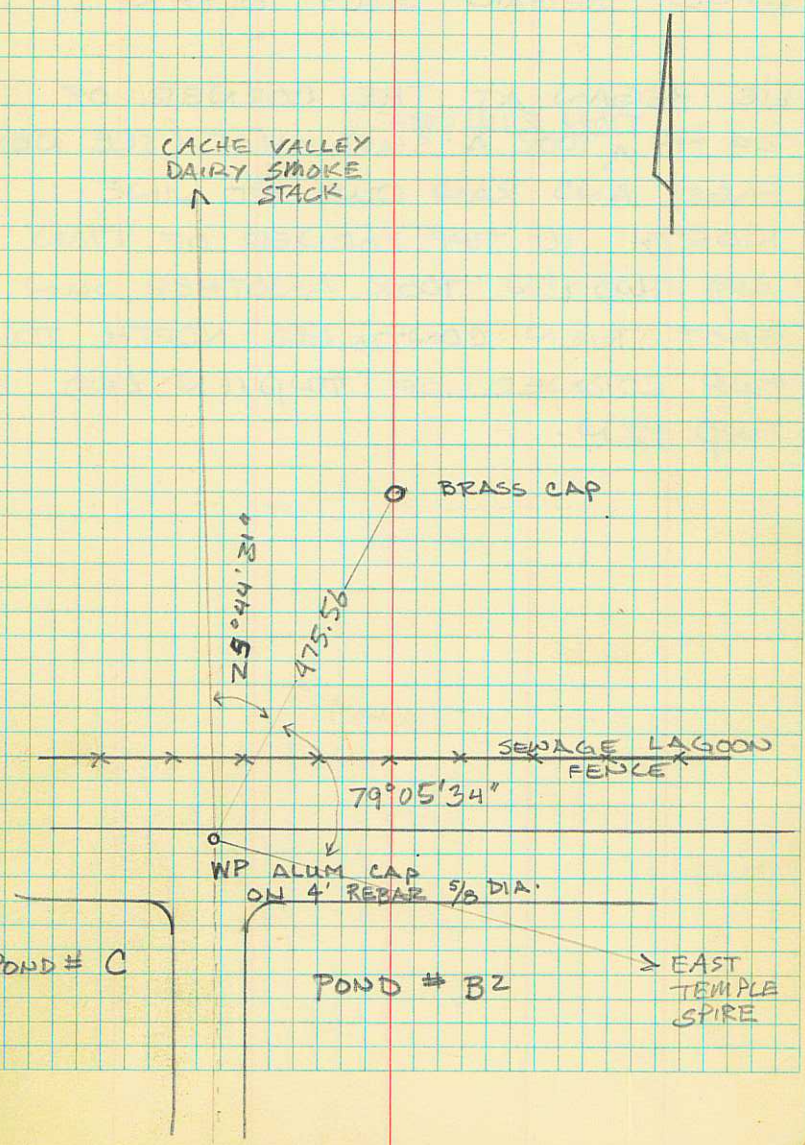
SET AN 18" BRASS CAP IN STONES

LOCATION LEFT STONE LOOSE ALONG

SIDE OF CAP.

	HORZ ∡	SLP DIST	
REF. AS FOLLOWS			
	1-79°05'30"	3-237°16'45"	
	2-158°11'00"	4-316°22'15"	
WP-COR	79°05'34"	475.67	91°15' 475.56
BACKSIGHT EAST TEMPLE SPIRE			
∡ LT			
WP-COR			
BACKSIGHT CENTER OF CACHE VALLEY DAIRY SMOKE STACK			
∡ RT	25°44'31"	475.67	91°15' 475.56
	1-25°44'20"	3-77°13'40"	
	2-51°29'00"	4-102°58'05"	

#151



LINE RUN BETWEEN CORNERS ON THE SALT LAKE MERIDIAN LINE BEGAN JULY 8, 1980

WE BEGAN AT THE CORNER OF 24 +19 TION R1W & R1E TOOK A SUN SHOT (SEE NEXT PAGE) AND RAN OUR ~~TOT~~ LINE NORTH TO TWP CORNER OF T1ON AND TWP 11N TOOK ANOTHER SUN SHOT THEN CONTINUED NORTH TO TWP CORNER OF TWP 11 N AND TWP 12N.

7-8-80 SUN SHOT FOR BEARING

DATE JULY 8, 1980 ELEV. 5000'

LONG 111°53'24" TEMP. 80°

LAT 41°35'25" PRES 29.94

AVE HORZ ∡ 106°23'50" AVE VERT ∡ 50°46'24"

AVE TIME 10ʰ47'58" STANDARD TIME 9ʰ47'58"

GCT = 16ʰ47'58"

SUN'S D AT 0ʰ = N 22°29'00"

CHANGE 16ʰ47'58" × .29 = 4.87' = 04'52"

SUN'S d = N22°24'08"

MEA. ALT 50°46'24"

REF & PARA. (.78)(.94)(.85) + 09 = −.62+09 = −.53 = 31"

TRUE ALT 50°45'52"

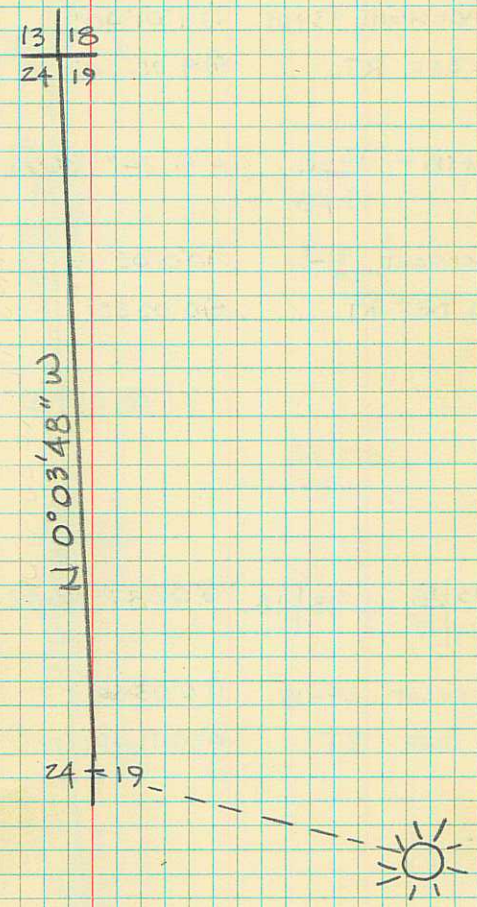
$$\cos Z = \frac{\sin 22°24'08'' - \sin 50°45'52'' \sin 41°35'25''}{\cos 50°45'52'' \cos 41°35'25''}$$

cos Z = −.28123 = 106°20'02"

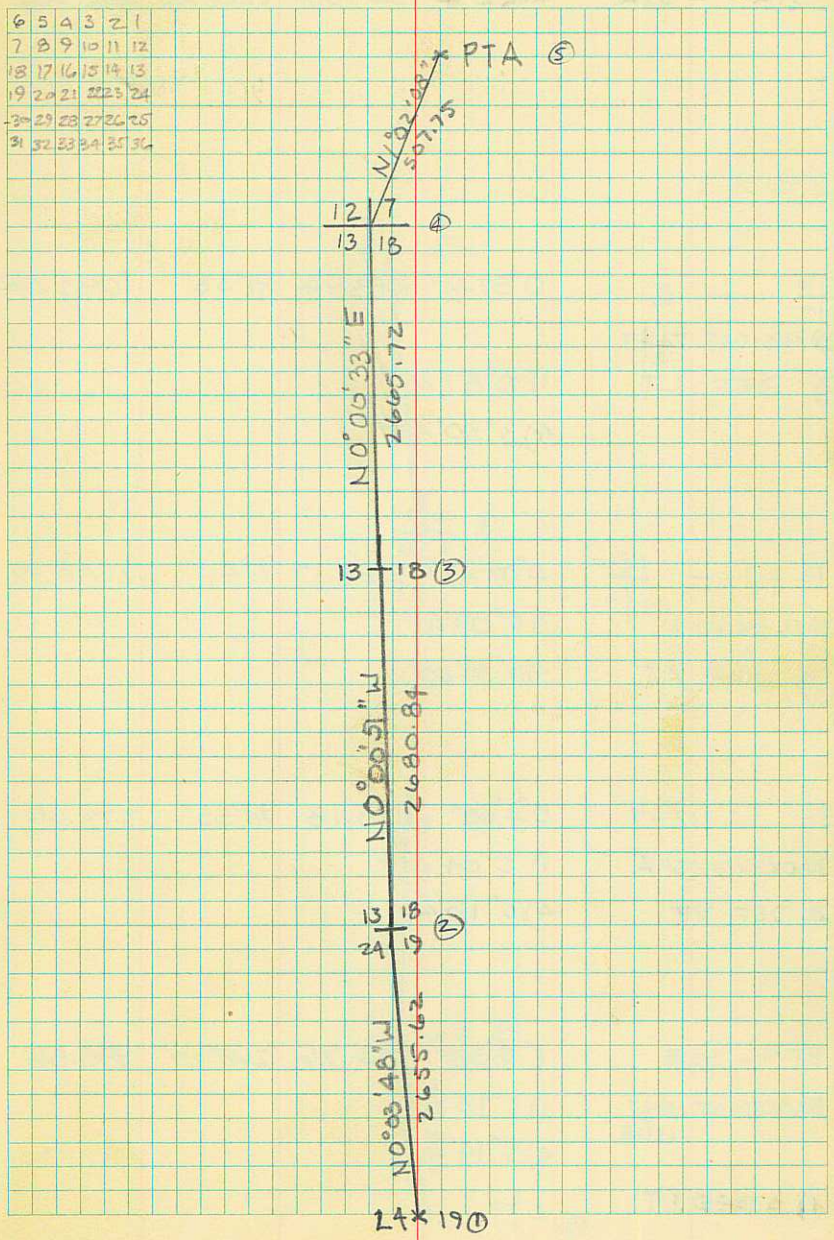
106°23'50" − 106°20'02" = 0°03'48"

BEARING of LINE N 0°03'48"W

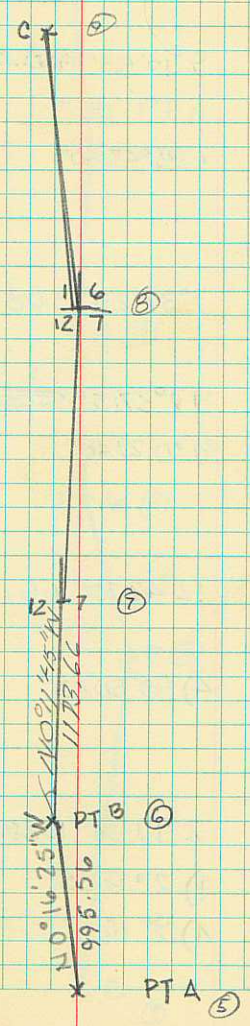
SUN SHOT TAKEN FOR BEARING ON MERIDIAN LINE IN TWP 10 NORTH ON CORNERS AS SHOWN BELOW.



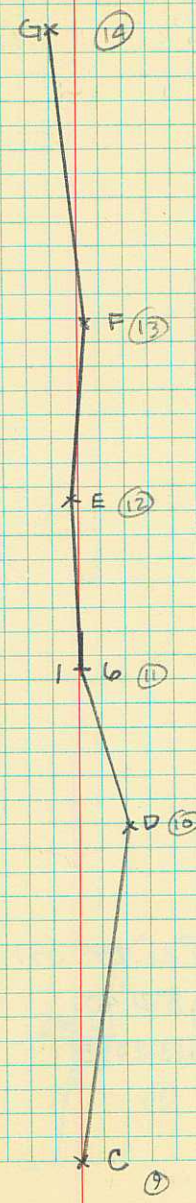
STA	— STA	HORZ. ∡	SLP. DIST	VERT ∡	HORZ DIST
12/7 13/18	— PT. A	1°01'35"	507.76	90°16'	507.75
BACKSIGHT	13+18	1) 1°01'40"			
∡ DEF. RT.		4) 4°06'20"			
13+18 —	12/7 13/18	0°01'24"	2665.76	90°18'	2665.72
BACKSIGHT	13/18 24/19	1) 0°01'05"			
∡ DEF RT		4) 0°05'35"			
13/18 24/19	— 13+18	0°02'57"	2682.61	92°05'	2680.84
BACKSIGHT	24+19	1) 0°03'00"			
∡ DEF	RT	4) 0°11'50"			
24+19 —	13/18 24/19		2656.96	91°49'	2655.62



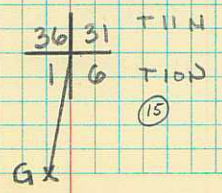
STA	– STA	HORZ ∡	SLP DIST	VERT. ∡	HORZ. DIST
1/6 12/7	— C	0°57'41"	1083.94	91°33'	1083.54
BACKSIGHT	12/7				
∡ DEF	LT	1) 0°57'45"			
		4) 3°50'45"			
12/7	– 1/6 12/7	0°08'43"	2691.17	91°41'	2690.01
BACKSIGHT B		1) 0°08'40"			
∡ DEF	RT	4) 0°34'50"			
B-	12/7	0°4'40"	1175.18	92°55'	1173.66
BACKSIGHT	A	1) 0°04'40"			
∡ DEF	RT	4) 0°18'40"			
PTA – PTB		1°18'33"	995.96	268°23'	995.56
BACKSIGHT	12/7 13/18	1) 1°18'30"			
		4) 5°14'10"			
∡ DEF	LT				



STA	STA	HORZ ∡	SLP DIST	VERT ∡	HORZ DIST
F	G	6°38'30"	1535.20	90°01'	1535.20
BACKSIGHT E		1) 6°38'05"			
∡ DEF LT		4) 26°34'00"			
E	F	9°10'55"	438.40	85°14'	436.88
BACKSIGHT 1+6		1) 9°11'05"			
DEF RT		4) 36°43'40"			
1+6	E	7°37'25"	308.90	90°00'	308.90
BACK SIGHT D					
DEF RT		1) 7°37'15"	~~308.90~~	~~90°00'~~	~~308.90~~
		4) 30°29'40"			
D	1+6	12°42'30"	66.30		66.30
BACKSIGHT C					
∡ DEF LT		4) 50°50'00"			
C	D	2°17'34"	1528.85	92°37	1527.26
BACKSIGHT 1+6 / 12+7		1) 2°17'55"			
		4) 9°10'15"			
∡ DEF RT					



G — TWP COR	3°21' 29"	397.06	90°27'	397.05
10D & 11D	1) 3°21'40"			
& DEF RT	4) 13°25'55"			



SUN SHOT ON TWP COR - PT H

DATE - 7-9-80

LONG: 111° 53' 24" HG: 29.55

LAT. 41° 38' 30" UTC = N 22 22.0 ↓

AVE HORZ ∡: HΔ = -0.30

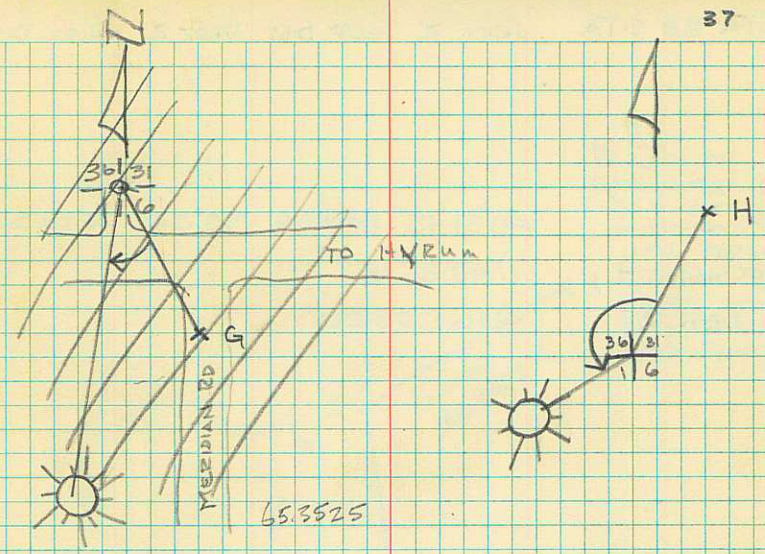
AVE VERT ∡:

AVE TIME :

TEMP : 91°

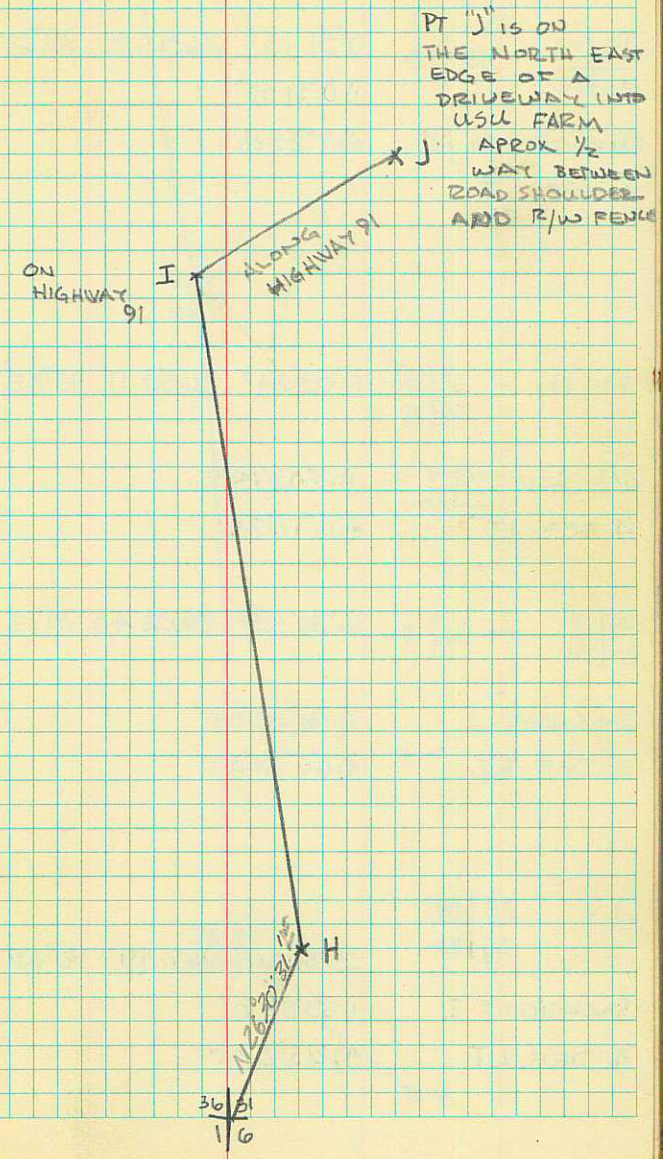
ELEV:

AVERAGE AZ TO ~~SUN~~ B.S.
26° 30' 31"

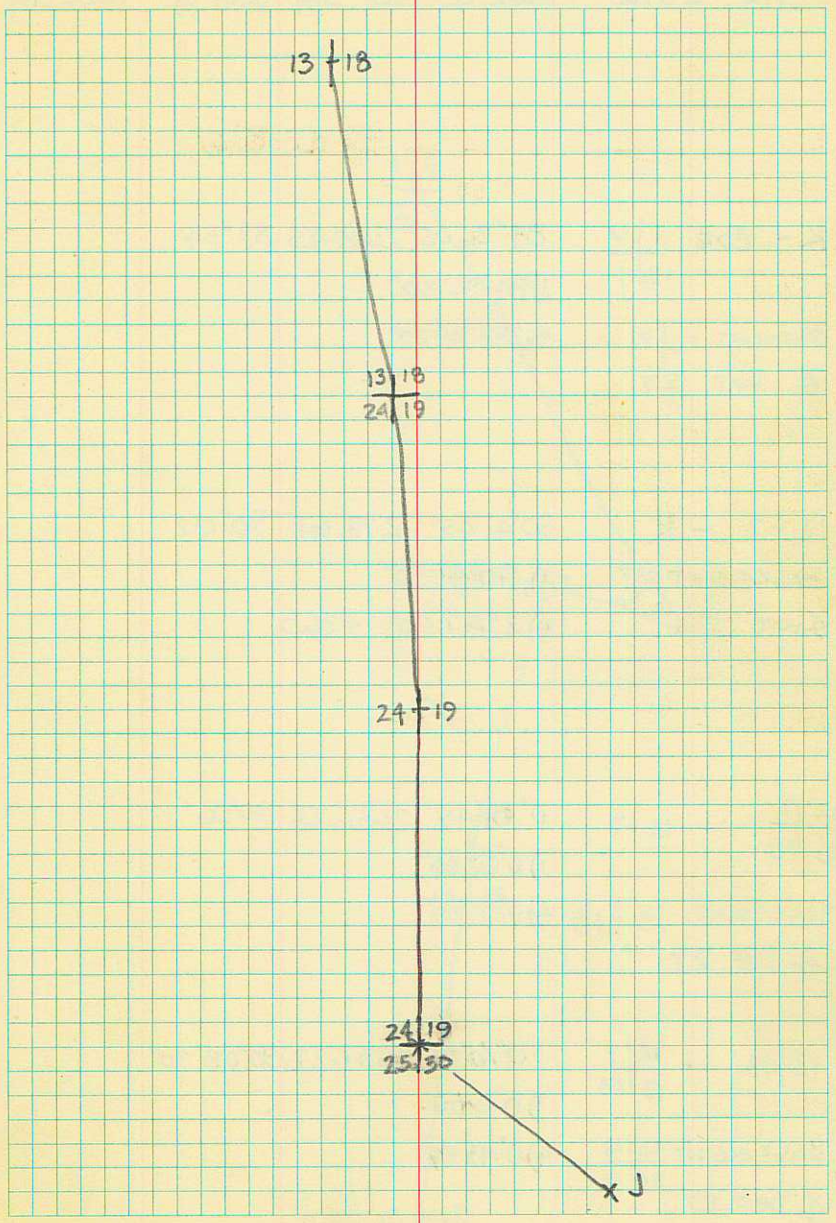


	HORZ ∡	VERT ∡	TIME
1	164° 32' 15"	24° 05' 05"	2h 42' 48" P.M.
2	163° 10' 00"	24° 27' 40"	2h 45' 43"
3	162° 22' 15"	24° 41' 00"	2h 47' 26"
4	159° 15' 00"	334° 13' 00"	2h 51' 41"
5	158° 12' 50"	333° 53' 05"	2h 54' 07"
6	157° 21' 20"	333° 36' 10"	2h 56' 10"

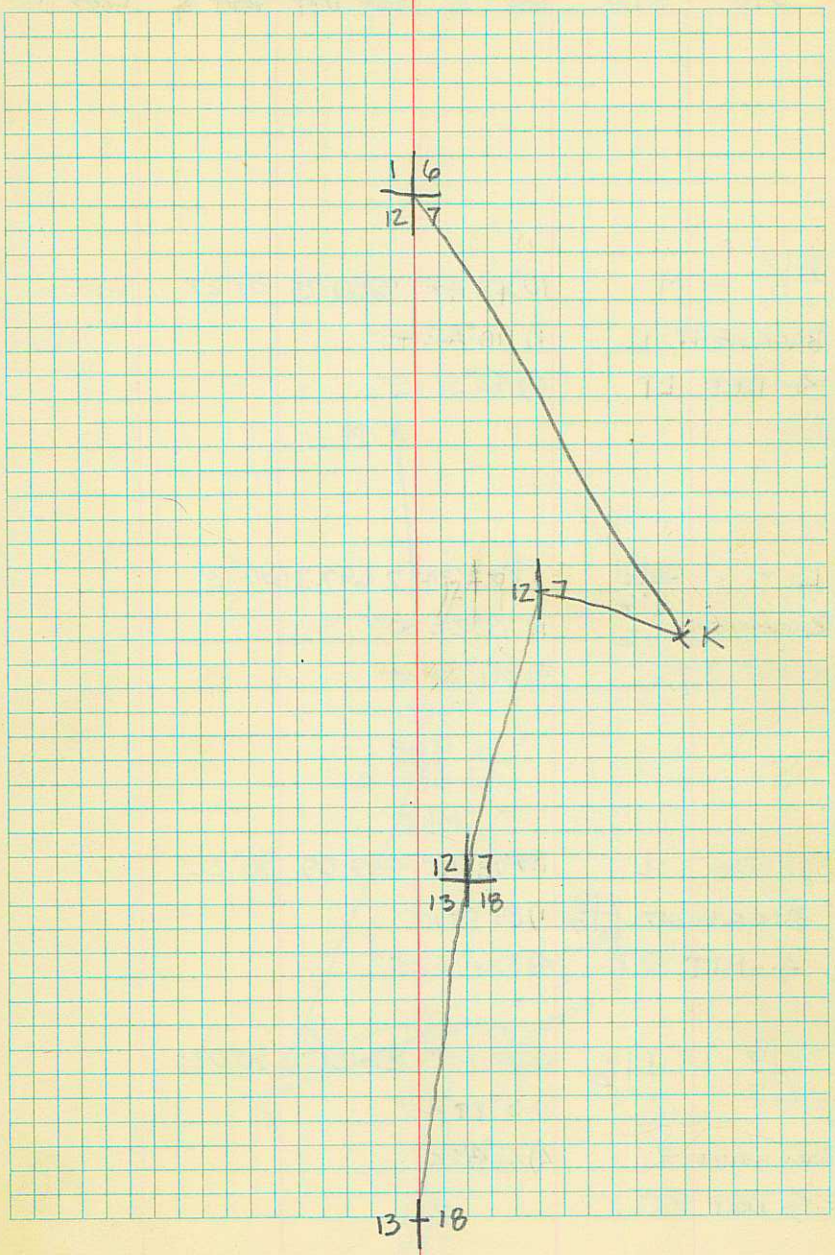
STA	STA	HORZ ∡	SLP DIST	VERT ∡	HORZ DIST
I - J		40°31'15"	850.06	90°04'	850.06
BACKSIGHT H		1) 40°31'15"			
∡ DEF RT		4) 162°05'00"			
H - I		29°55'36"	8556.55	90°32'	8556.18
BACKSIGHT TWP COR		1) 29°55'20"			
∡ DEF LT		4) 119°42'25"			
TWP COR - H		24°28'08	531.90	90°28'	531.88
BACKSIGHT G		1) 24°28'30"			
∡ DEF RT		4) 97°52'30"			



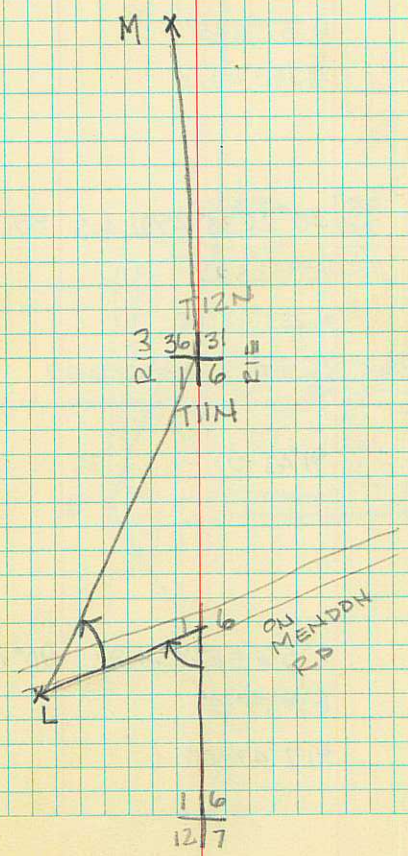
STA	STA	HORZ ∡	SLP DIST	VERT ∡	HORZ DIST
13|18 / 24|19	13+18	0°51'15"	2650.45	90°18'	
		1) 0°51'00"			
BACKSIGHT	24+19	4) 3°25'00"			
∡ DEF LT					
24+19	13|18 / 24|19	0°03'24"	2650.11	90°28'	
BACKSIGHT	24|19 / 25|30	1) 0°03'15"			
∡ DEF LT		4) 0°13'35"			
24|19 / 25|30	24+19	16°39'55"	2682.40	90°12'	
BACKSIGHT J		1) 16°40'05'			
∡ DEF RT		4) 66°39'40"			
J -	24|19 / 25|30	53°50'20"	967.19	90°19'	
BACKSIGHT I		1) 53°50'10"			
∡ DEF. LT		4) 215°21'20"			



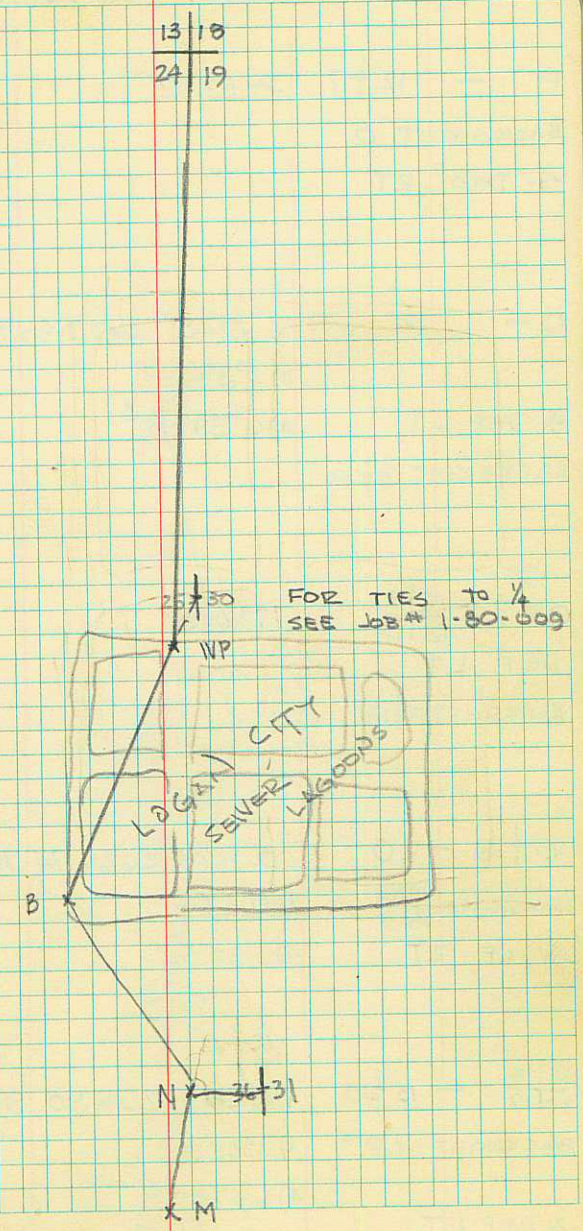
STA	- STA	HORZ ∡	SLP DIST	VERT ∡	HORZ DIST
K - COR	1/6 12/7	84°36'05"	2640.95	89°54'	
		1) 84°36'20"			
BACKSIGHT	12+7	4) 338°24'20"			
∡ INT RT					
12+7	- K	90°41'45"	279.61	90°02'	
BACKSIGHT	12/7 13/18	1) 90°41'50"			
∡ INT LT		4) 2°47'00" +360			
12/7 13/18	- 12+7	0°01'45"	2656.68	90°06'	
		1) 0°02'00"			
BACKSIGHT	13+18	4) 0°07'00"			
∡ DEF RT					
13+18	- 12/7 13/18	0°10'50"	2637.22	90°08'30"	
		1) 0°11'00"			
BACKSIGHT	13/18 24/19	4) 0°43'20"			
∡ DEF RT					



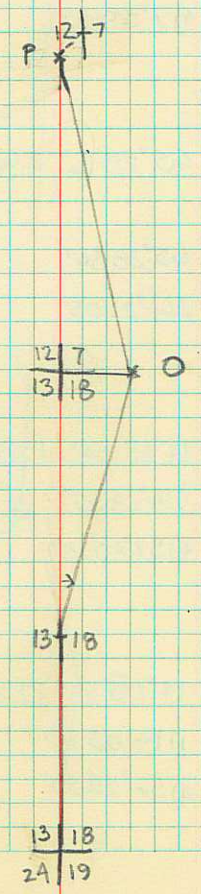
STA	STA	HORZ ∡	SLP DIST	VERT ∡	HORZ. DIST
36/31 1/6	– M	10°42'49"	1650.75	89°27'	1650.67
BACKSIGHT	L	1) 10°42'45"			
∡ DEF	LT	4) 42°51'15"			
L –	36/31 1/6	79°22'24"	2697.30	90°13'	
BACKSIGHT	1/6	1) 79°22'30"			
∡ INT	LT	4) 317°29'35"			
1/6 –	L	89°03'46"	409.09	90°22'	
BACKSIGHT	1/6 12/7	1) 89°04'10"			
∡ INT.	RT.	4) 356°15'05"			
1/6 12/7	– 1/6	5°27'17"	2610.70	90°02'	
		1) 5°27'45"			
BACKSIGHT	K	4) 21°49'10"			
∡ DEF	RT				



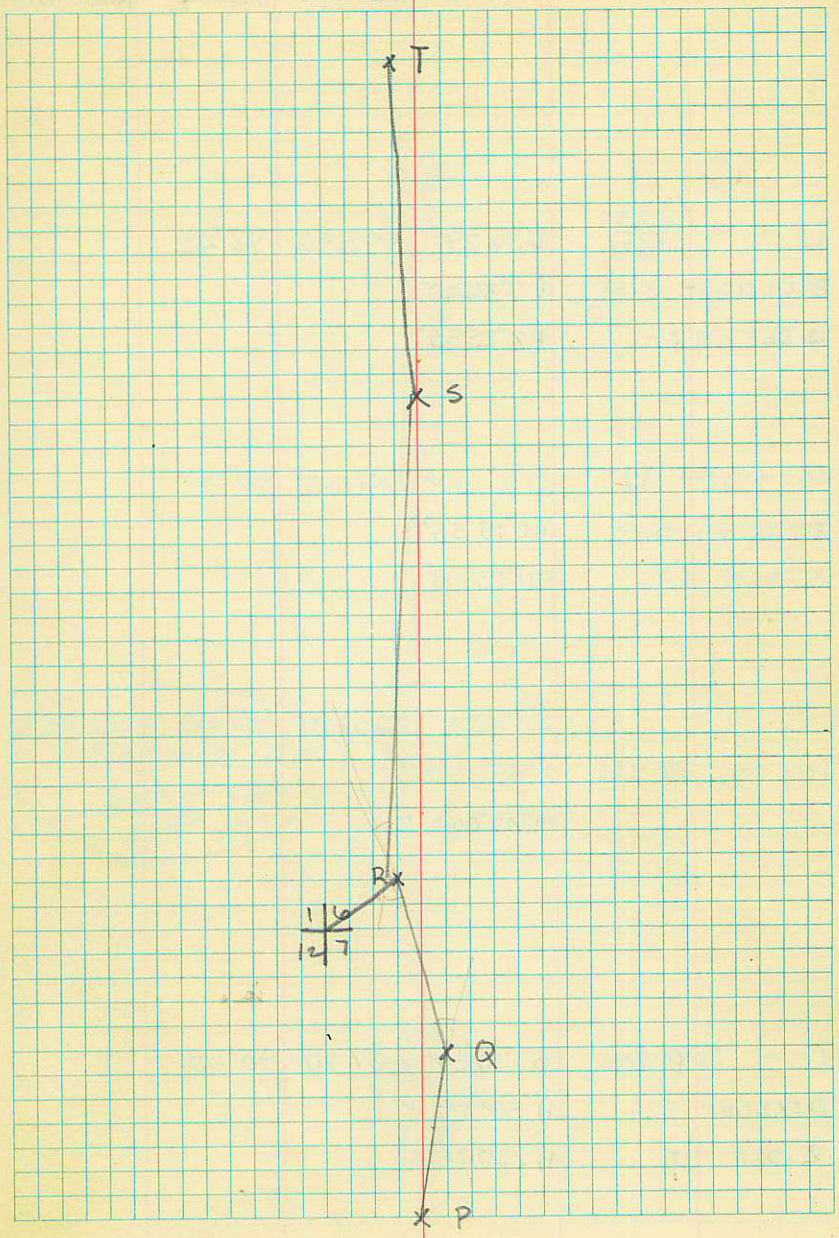
STA	STA	HORZ. ∡	SLP DIST	VERT ∡	HORZ. DIST
WP*	— 13|18 / 24|19	32°42'11"	8359.19	90°08'	8359.17
BACKSIGHT B*		1) 32°42'00"			
∡ DEF LT		4) 130°48'45"			
PT B*	— WP*	87°11'55"	4152.69	89°58'	4152.69
∡ INT LT		1) 87°11'45"			
BACK SIGHT N		4) 348°47'40"			
N	— PT "B"*	58°25'33"	2991.85	89°57'	2991.85
BACKSIGHT M		1) 58°25'30"			
∡ DEF LT		4) 233°42'10"			
*PT B IS FROM SURVEY 1-80-009					
* PT WP IS FROM SURVEY 1-80-009 ALSO SEE Pg 30 THIS BOOK					
N	— 36|31	91°43'10"			15.34
BACKSIGHT M					
∡ INT LT					
M	— N	1°56'58"	853.92	90°08'	853.92
BACKSIGHT 36|31 / 116		1) 1°57'15"			
∡ DEF RT		4) 7°47'50"			



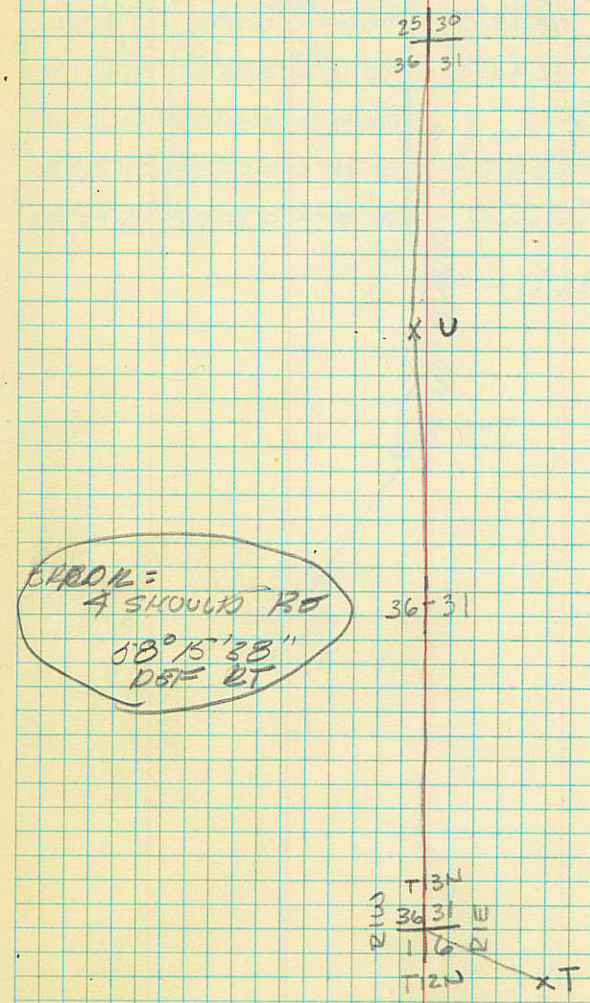
STA — STA	HORZ ∡	SLP DIST	VERT ∡	HORZ DIST
P — 12+7	34°57'15"			10.26
BACKSIGHT O				
∡ DEF RT				
O — P	1°39'45"	2670.30	90°00'	
	1) 1°39'25"			
∡ DEF LT	4) 6°39'00"			
BACKSIGHT 13+18				
→				
O — 12+7 / 13+18	77°10'00"			40.26
DEF LT				
BACKSIGHT 13+18				
13+18 — O	0°53'05"	2626.74	90°00'	
BACKSIGHT 13+18 / 24+19	1) 0°53'00"			
∡ DEF RT	4) 3°32'20"			
13+18 / 24+19 — 13+18	1°41'56"	2641.90	89°59'	
BACKSIGHT V.P.*	1) 1°41'55"			
	4) 6°47'45"			
∡ DEF LT				



STA	- STA	HORZ ∡	SLP DIST	VERT ∡	HORZ. DIST
S	- T	2°16'46"	2460.86	90°01'	2460.86
BACKSIGHT R		1) 2°16'50"			
∡ DEF LT		4) 9°07'05"			
R -	S	2°28'26"	2572.27	89°43'	2572.24
BACKSITE	Q	1) 2°28'40"			
∡ DEF -	RT	4) 9°53'45"			
R —	1/12 6/7	65°28'16"	265.32	92°08'	265.14
∡ INT RT		1) 65°28'30"			
		4) 261°53'05"			
Q -	R	14°25'04"	1580.66	90°10'	
BACKSIGHT	P	1) 14°24'55"			
∡ DEF	LT	4) 57°40'15"			
P	- Q	14°05'13"	1224.64	90°03'	
BACKSIGHT	O	1) 14°05'15"			
∡ DEF	RT	4) 56°20'50"			



STA	– STA	HORZ ∡	SLP DIST	VERT ∡	HORZ. DIST
U –	25|30 / 36|31	0°36'29"	443.36	92°45'	
BACKSIGHT	36+31	1) 0°36'40"			
∡ DEF	RT	4) 2°25'55"			
36+31 –	U	0°15'52"	2195.67	90°00'	
BACKSIGHT	TWP	1) 0°15'55"			
∡ DEF	LT.	4) 1°03'30"			
		58°45'11"	2667.01	90°00'	
TWP –	36+31	1) 58°45'30"			
		4) 235°00'45"			
T –	TWP COR	57°37'54"	467.10	90°00'	
BACKSIGHT	S	1) 57°37'40"			
∡ DEF	LT	4) 230°31'35"			



T13N R1W & R1E

SUN SHOT FROM TWP COR - 36+31

JULY 15, 1980 AFTERNOON

TEMP. 91°F HG = 29.95 DTC: N 21 32.2

LAT. 41°54'13" HA = -0.40

LONG. 111°53'36"

AVE HORZ ∡

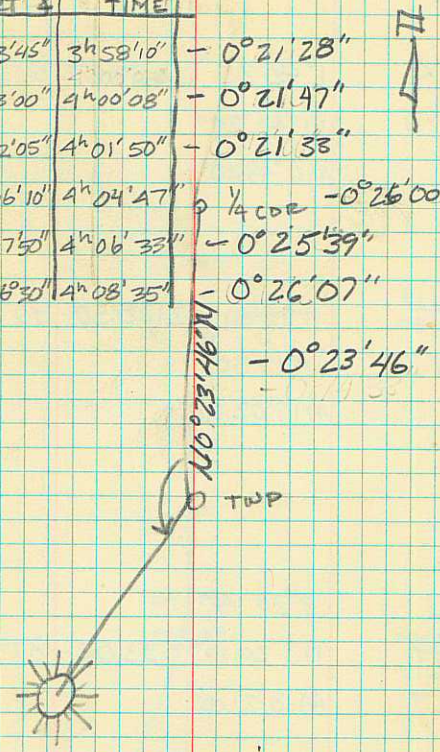
AVE. VERT ∡

ELEV.

AVE. TIME

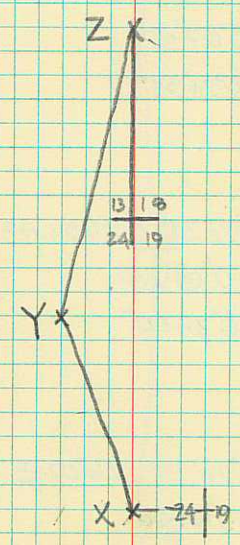
	HORZ ∡	VERT ∡	TIME	
1	112°56'00"	36°13'45"	3h58'10"	- 0°21'28"
2	112°25'50"	36°33'00"	4h00'08"	- 0°21'47"
3	111°56'55"	36°52'05"	4h01'50"	- 0°21'38"
4	110°21'00"	322°06'10"	4h04'47"	¼ COR -0°26'00"
5	109°55'00"	321°47'50"	4h06'33"	- 0°25'39"
6	109°24'20"	321°28'30"	4h08'35"	- 0°26'07"

- 0°23'46"

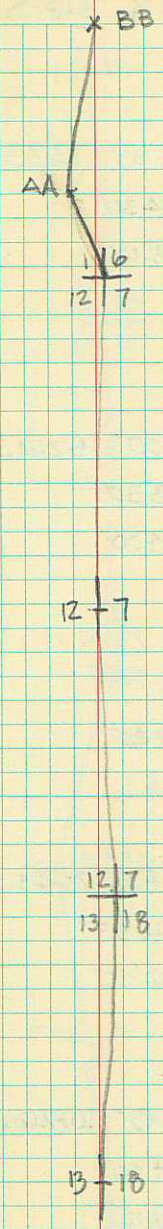


STA	STA	HORZ ∡	SLP. DIST.	VERT ∡	HORZ. DIST.
24|19 / 25|30	X	1°42'25"	2657.87	89°53'	
BACKSIGHT W		1) 1°42'25"			
∡ DEF LT		4) 6°49'40"			
W	24|19 / 25|30	4°15'31"	2128.50	90°04'	
BACK SIGHT V		1) 4°15'30"			
∡ DEF RT		4) 17°02'05"			
V	W	3°20'15"			
BACKSIGHT 25|30 / 36|31		1) 3°20'10"	533.04	87°32'	
∡ DEF	LT	4) 13°21'00"			
V	25 + 30	81°11'15"			16.33
BACKSIGHT 25|30 / 36|31					
∡ INT	LT				
25|30 / 36|31	V	0°38'32"	2641.88	89°57'	
BACKSIGHT U		1) 0°38'30"			
∡ DEF LT		4) 2°34'10"			

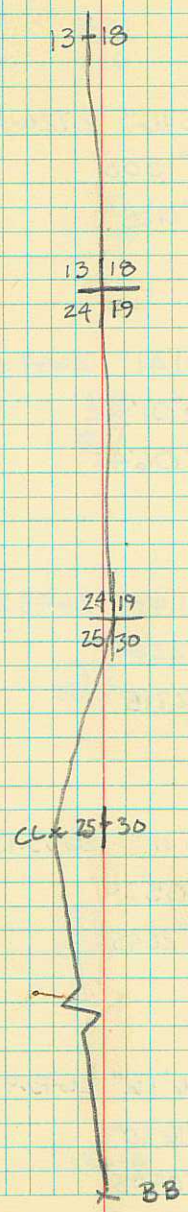
STA – STA	HORZ. ∡	SLP. DIST.	VERT. ∡	HORZ DIST.
Z – 13+18	19°27'48"	966.26	90°18'	
BACKSIGHT Y	1) 19°27'40"			
∡ DEF LT	4) 77°51'10"			
Z – 13+18 / 24+19	18°36'14"	1730.39	269°10'	
	1) 18°35'00"			
BACKSIGHT Y	4) 74°24'55"			
∡ INT LT				
Y – Z	30°46'59"	1837.04	89°51'	
BACKSIGHT X	1) 30°47'15"			
∡ DEF RT	4) 123°07'55"			
X – Y	11°02'53"	2699.88	90°09'	
BACKSIGHT 24+19 / 25+30	1) 11°02'50"			
∡ DEF LT	4) 44°11'30"			
X – 24+19	89°50'00"			23.75
BACKSIGHT 24+19 / 25+30				
∡ INT LT				



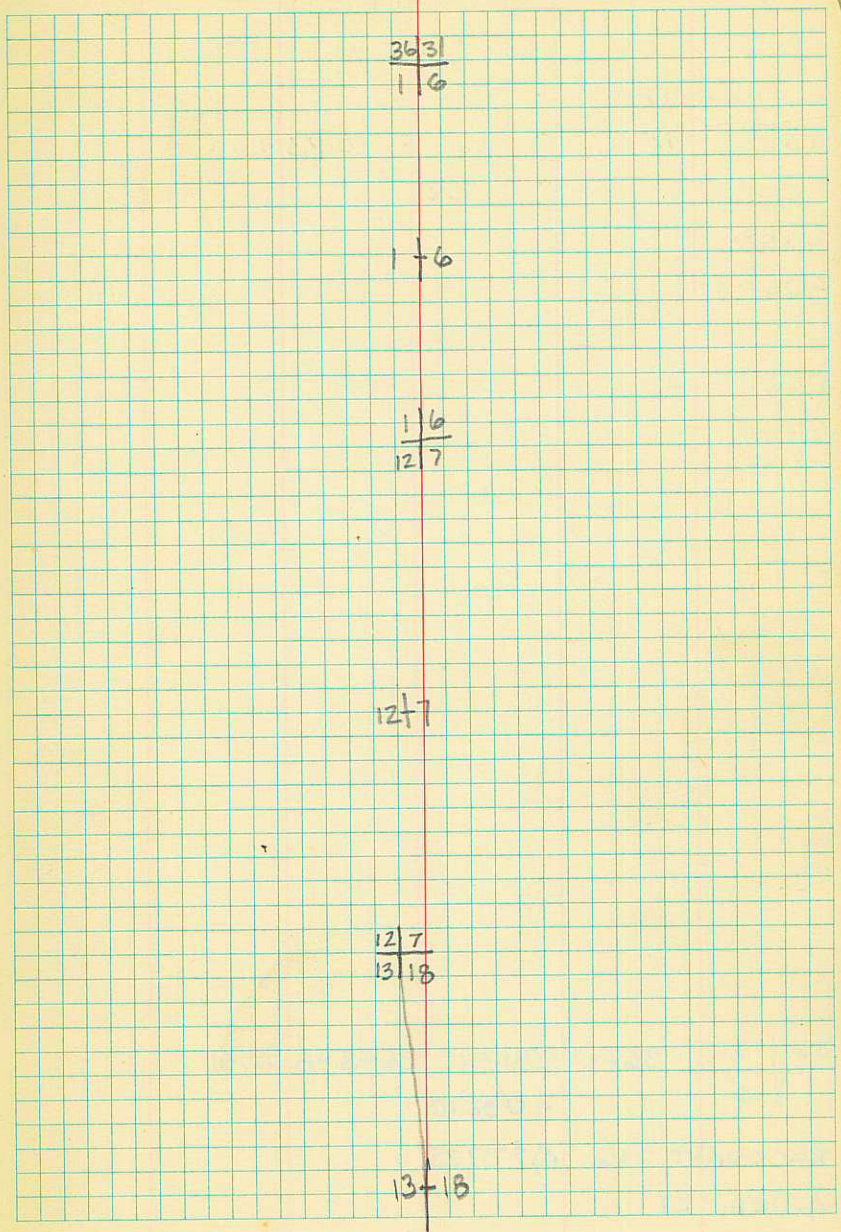
STA	STA	HORZ ∡	SLP. DIST.	VERT. ∡	HORZ. DIST
AA	BB	4°18'45"	2075.88	89°52'	2075.87
BACKSIGHT	1/6 12/7	1) 4°18'50"			
∡ DEF	RT	4) 17°15'00"			
1/6 12/7	AA	4°10'45"	149.91	89°57'	149.91
BACKSIGHT	12+7	1) 4°10'30"			
∡ DEF	LT	4) 16°43'00"			
12+7	1/6 12/7	0°07'54"	2644.67	89°57'	2644.67
BACKSIGHT	12/7 13/18	1) 0°07'55"			
∡ DEF	RT	4) 0°31'35"			
12/7 13/18	12+7	0°09'30"	2651.43	90°04'	
BACKSIGHT	13+18	1) 0°09'20"			
∡ DEF	LT	4) 0°38'00"			
13+18	12/7 13/18	0°24'13"	2620.13	90°00'	
BACKSIGHT	Z	1) 0°24'00"			
∡ DEF	RT	4) 1°36'50"			



STA	- STA	HORZ ∡	SLP. DIST.	VERT ∡	HORZ. DIST.
13 | 18 / 24 | 19	- 13 | 18	0°04'33"	2633.44	89°59'	
		1) 0°04'30"			
BACKSITE	24 | 19 / 25 | 30	4) 0°18'10"			
∡ DEF LT					
24 | 19 / 25 | 30	- 13 | 18 / 24 | 19	0°43'30"	5261.34	89°48'	
		1) 0°43'30"			
BACKSITE CC		4) 2°54'00"			
∡ DEF LT					
CC	- T14N 25 | 30	70°29'25"			37.35'
∡ INT LT	BACKSIGHT BB				
CC	- T14N 24 | 19 / 25 | 30	0°46'43"	2643.87	89°49'	
BACKSIGHT BB		1) 0°46'55"			
∡ DEF RT		4) 3°06'50"			
BB -	CC	0°14'49"	10866.66	90°02'	10866.66
BACKSIGHT	AA	1) 0°14'35"			
∡ DEF LT		4) 0°59'15"			



STA	— STA	Horz ∡	SLP. DIST	VERT ∡	Horz. DIST.
1+6	— 36|31 / 1|6 (T15N, T14N)	0°15'16"	2726.83	90°02'	
		1) 0°15'05'			
BACKSITE 1|6 / 12|7		4) 1°01'05"			
∡ DEF LT					
1|6 / 12|7	— 1+6	0°01'41"	2647.67	89°53'	
BACKSIGHT 12+7		1) 0°01'35"			
∡ DEF LT		40°06'45"			
12+7	— 1|6 / 12|7	0°21'49"	2643.26	90°01'	
BACKSIGHT 12|7 / 13|18		1) 0°22'00"			
∡ DEF RT		4) 1°27'15"			
12|7 / 13|18	— 12+7	0°05'11"	2633.19	89°52'	
BACKSIGHT 13+18		1) 0°05'20'			
∡ DEF RT		4) 0°20'45"			
13+18	— 12|7 / 13|18	0°16'16"	2643.91	89°40'	
BACKSITE 13|18 / 24|19		1) 0°16'20"			
∡ DEF LT		4) 1°05'05"			



36 / 31	36+31	0°31'51"	2648.98	89°51'	
1 / 6		1) 0°32'10"			
BACKSIGHT	1+6	4) 2°07'25"			
∡DEF	RT				

SUN SHOT FROM TWP COR 14 & 15 No.

DATE: JULY 17, 1980 AM

TEMP: 78° HG = 29.89

LAT: 41° 59' 25" UTC = 2112.6

LONG: 111° 53' 43" HA = -0.43

ELEV:

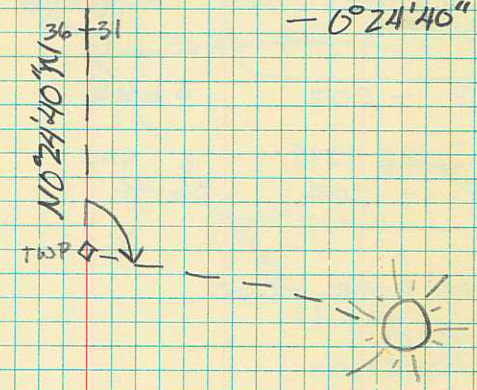
AVE HORZ ∡:

AVE VERT ∡:

AVE TIME:

	HORZ ∡	VERT ∡	TIME	
1	111° 51' 10"	37° 25' 50"	11h 04' 13"	0° 26' 11"
2	112° 17' 20"	37° 09' 00"	11h 05' 53"	0° 25' 37"
3	112° 43' 50"	36° 51' 30"	11h 07' 35"	0° 26' 05"
4	114° 15' 00"	323° 02' 05"	11h 10' 03"	-1.1458
5	114° 40' 10"	323° 18' 15"	11h 11' 36"	-1.1501
6	115° 06' 05"	323° 34' 10"	11h 13' 10"	-1.1552

— 0° 24' 40"



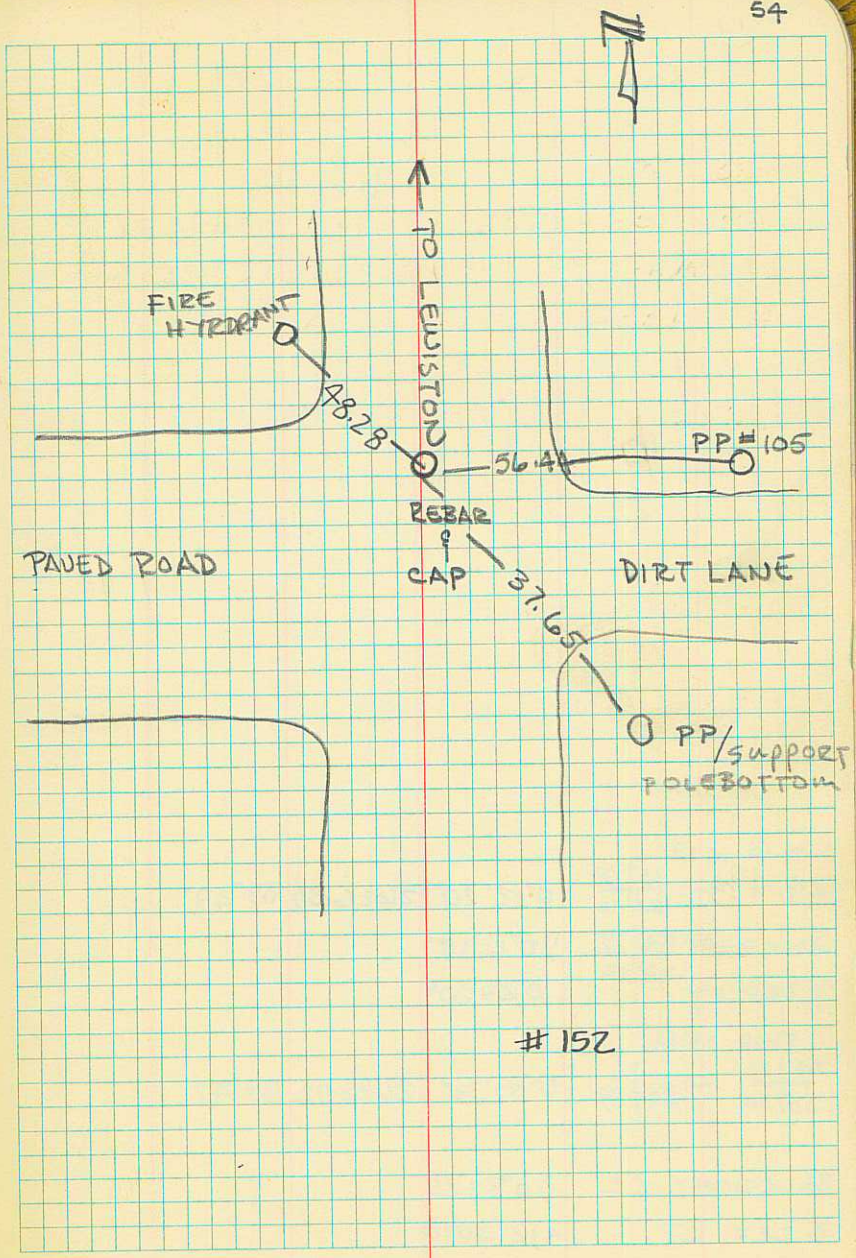
MON. OF 1/4 COR 24 + 19 T14N ON
MERIDIAN LINE

USED PROPERTY DESC. AND RECORDER
PLAT TO ESTABLISH THIS CORNER.
SET AN 18" REBAR IN ROAD AT
COR LOCATION WITH AN ALUM
CAP.
REFER AS FOLLOWS:

PP - COR 37.65

PP#105 - COR 56.44

FIRE HYDR. - COR



TWP 14 N

24 + 19 – 13 | 18 / 24 | 19 0°12'20" 2626.30 89°49'

BACKSIGHT 24 | 19 / 25 | 50 1) 0°12'10"

∡ DEF LT 0°49'20"

TWP 14 N

24 | 19 / 25 | 30 – 24 + 19 0°37'33" 2635.02 89°47'

BACKSIGHT CC 1) 0°37'25"

∡ DEF LT 4) 2°30'10"

CALC. TO EST ¼ COR 1 & 6 TWP 12 N
R 1 W AND R 1 E
7-18-80

SET UP ON PT "S" (pg 44 THIS BOOK)
BACKSIGT PT "R" ∡ INT RT, 38°44'10"
46.46 SLP DIST. 86°56' VERT ∡

STA – STA	HORZ ∡	SLP. DIST.	VERT ∡	HORZ DIST
PT S – S'	38°44'10"	46.46	86°56'	46.39
PT S – S²	86°16'00"	703.91	89°55'	703.91

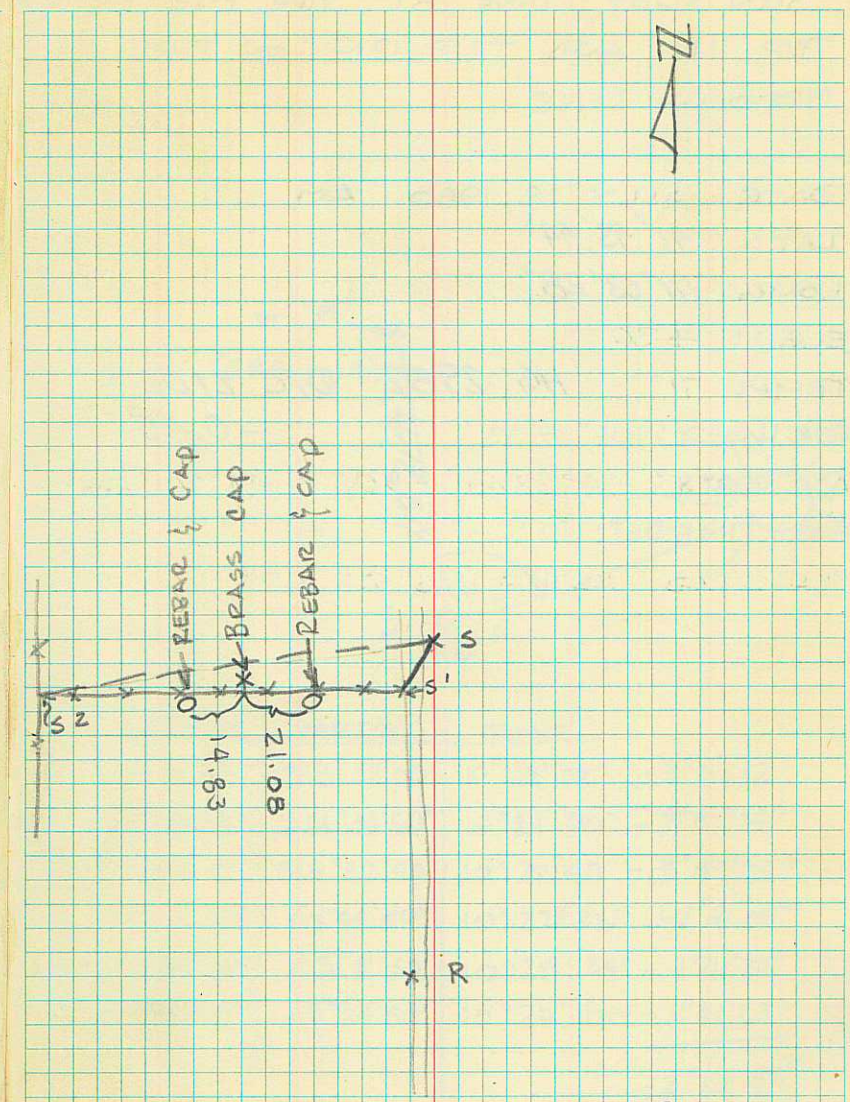
CALC. BEARING AND DIST

S – COR 1 & 6 BACKSIGHT R

∡ INT RT 83°37'19" DIST. 369.39'

SET BRASS CAP ON 3' PIPE IN FENCE LINE 2.5' IN GROUND REF TO FENCE CORNER S_1 & S_2

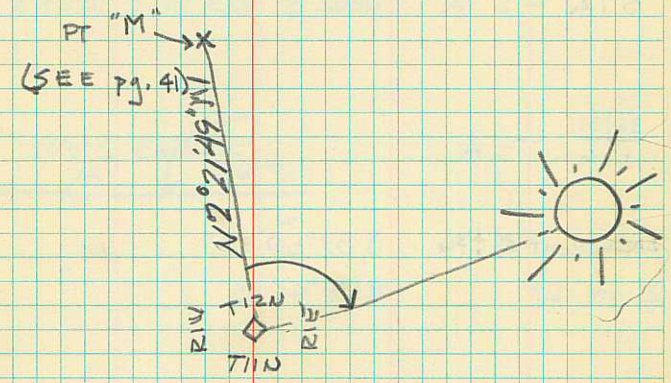
BEARING FROM PT "S" N 86°05'45" W
394.10
390.11



153

SUN SHOT TAKE AT TWP COR BETWEEN TWP 11N AND TWP 12N ON THE MERIDIAN LINE

DATE: JULY 18, 1980 AM
LAT: 41°43'44"
LONG: 111°53'28"
ELEV: 4430
TEMP: 71° HG: 29.87 UTC 2102.3
-0.45
AVE HORZ ∡: 105°18'33"
AVE VERT ∡: 44°33'40" - 90° = 45°26'20"
AVE TIME DST: 10h 24m 20s AM
MEASURED ALT = 45°26'20"



	HORZ ∡	VERT ∡	TIME	
1	104°11'35"	313°52'00"	10h 17m 07"	-3°02'12
2	104°59'35"	314°34'50"	10h 21' 00"	-3°01'29"
3	105°20'10"	314°52'40	10h 22'40"	-3°03'06"
4	105°33'35"	43°44'50"	10h 27'23"	-1°41'19"
5	105°49'00"	43°31'50"	10h 28' 34"	-1°41'22"
6	105°57'20"	43°24'50"	10h 29' 13"	-1°41'23"
				-2°21'49"

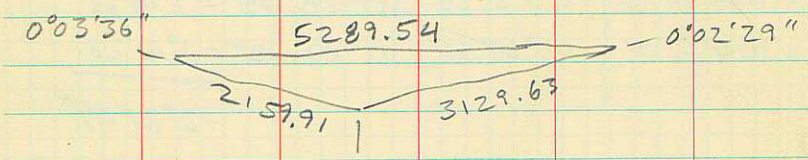
LINE TO ESTABLISH COR of 35|36 / 2|1

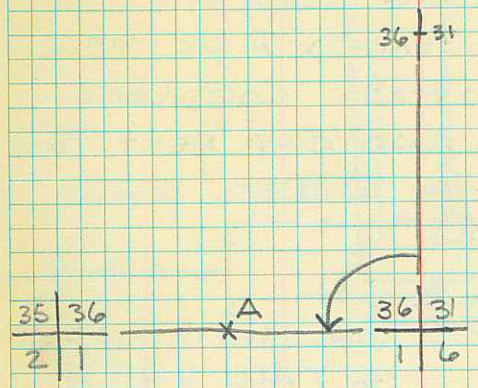
TWP 15,14N R 1W

SET UP ON TWP COR.

BACKSIGHT 36+31 ∡ INT LT

STA	- STA	HORZ ∡	SLP DIST	VERT ∡	HORZ. DIST.
36|31 / 1|6	- A		3129.63	270°02'	3129.63
BACKSIGHT 35+36		1) 89°50'50"			
∡ INT LT		2) 179°41'55"			
A	- 35|36 / 2|1	0°06'05"	2159.94	90°17'	2159.91
		179°53'55"			
∡ DEF LT		1) 0°06'00"			
BACKSIGHT 36|31 / 1|6		2) 0°12'10"			





JULY 29, 1980

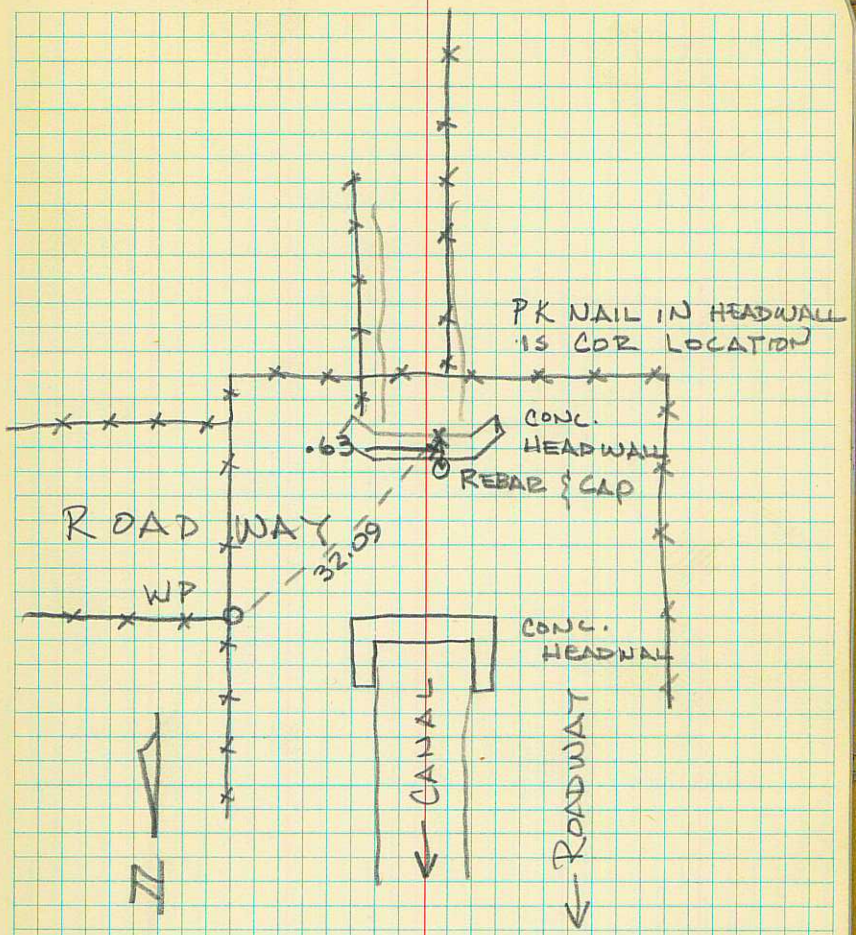
¼ COR TO SEC 25 + 30 TWP 11 N
ON MERIDIAN LINE
SET COR USING PROPERTY
DESCRIPTIONS, PLACED A PK NAIL
IN HEADWAY TO MARK COR LOCA.
SET A REBAR AND CAP NEXT TO
HEAD WALL AS A WITNESS POINT
REF AS SHOWN

TIES TO EX. PTS ON MERIDIAN LINE
SEE PG. 38

SET UP ON PT I

STA	- STA	HORZ ∡	SLP DIST	VERT ∡	HORZ DIST.
I	- 25+30	54°22'17"	1124.90	89°44'	1124.89
BACKSIGHT J		54°22'17"			
∡ DEF LT		1- 54°22'05"			
		4- 217°29'10"			

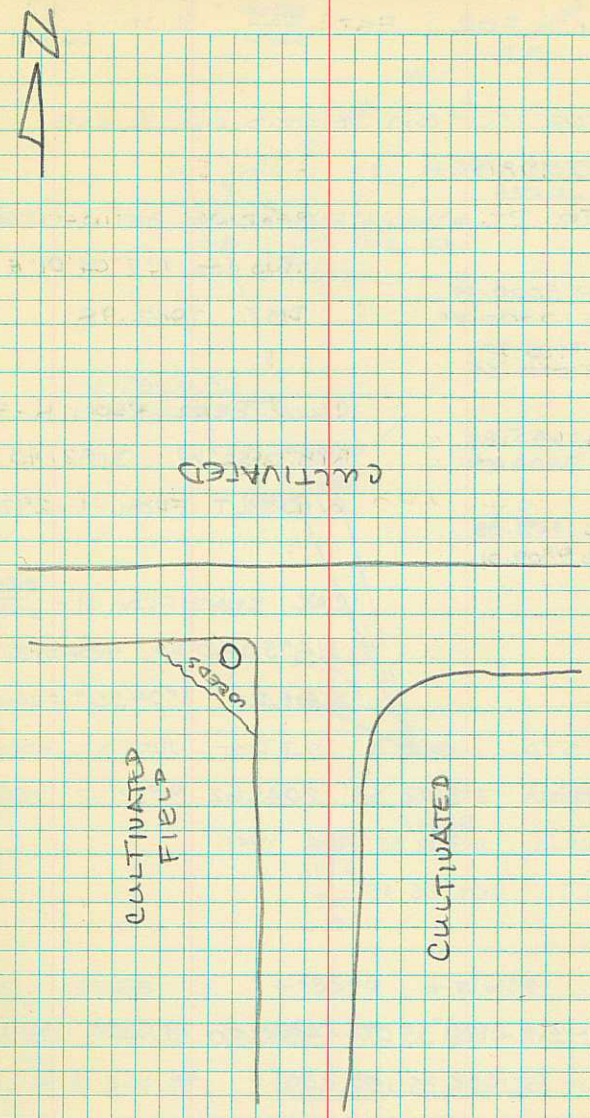
SEC CORN # 154



MON OF 1/4 COR 14/13
TWP 13 N R2W.

THIS CORNER WAS SHOWN TO US BY O.G. LARSEN WHO KNEW OF AN ORIGINAL CEDAR POST. HE PLACED A STONE IN POST'S LOCATION. WE FOUND THE STONE AND SET A BRASS CAP ON 3' PIPE RAISED A MOUND OF STONES AROUND PIPE AND CAP. PAINTED ORANGE.

SEC CORN 155



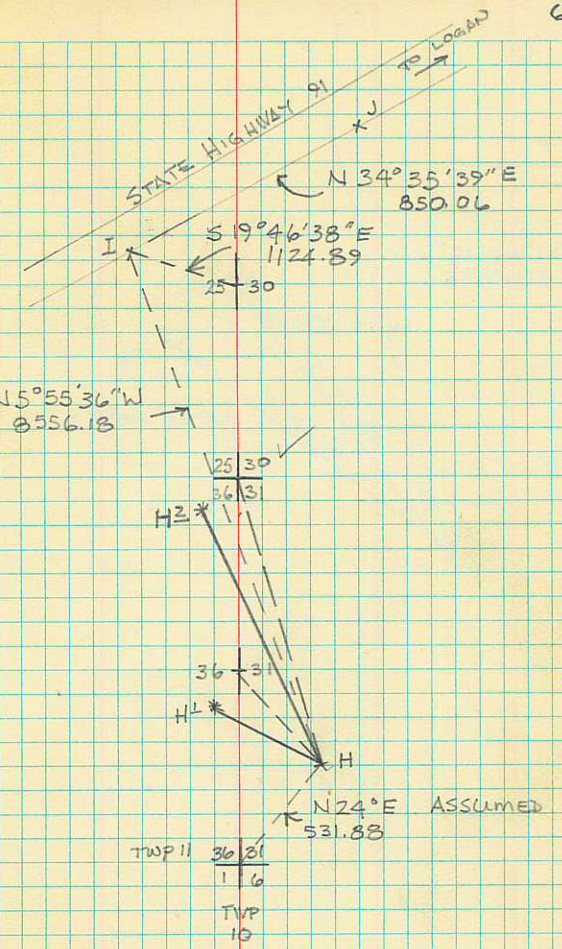
CALC FOR EST 25|30 / 36|31 AND 36|31

IN TWP 11N ON MERIDIAN LINE

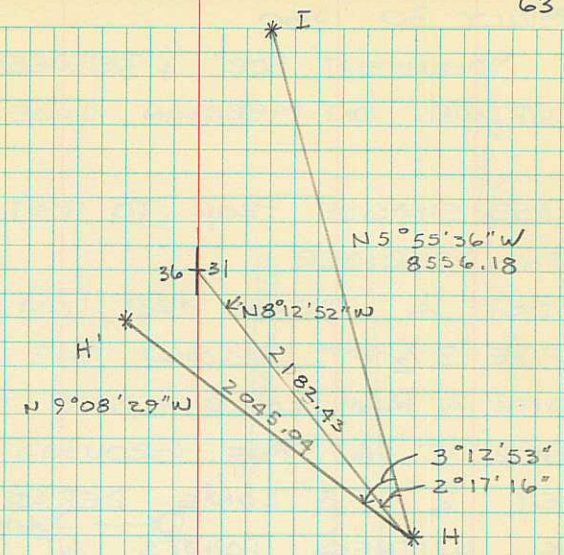
JULY 30, 1980

COORD.	TO PT.	BEARING BETWEEN 25|30 ℄
		TWP COR N 2°04'01"E
36|31 / 1|6	N 5000.00 E 10000.00	DIST. 7942.98
H	N5485.90 E10246.34	
		CALC. BEAR FROM H - 36+31
36+31	N 7645.94 E 9904.51	N 8°12'52"W 2182.43 2037
		∡ INT LT FROM I 2°17'16"
25|30 / 36|31	N 10291.88 E 9809.01	
		CALC. BEAR FROM H - 25|30 / 36|31
		N 4°50'40"W 4823.21
		∡ INT RT 1°04'56" FROM I

STA	- STA	HORZ ∡	SLP DIST	VERT ∡	HORZ DIST
H -	H^1	3°12'53'	2045.62	91°22'	2045.04
BACK SIGHT I		1) 3°12'55"			
∡ INT	LT	2) 6°25'45"			
H	- H^2	0°35'07"	4800.30	90°44'	4799.91
BACK SIGHT I		1) 35'15"			
∡ INT	LT	2) 1°10'15"			



N 24°E	531.88	+485.90	+216.34
N 5°55'36"W	8556.18	+8510.45	- 883.47
S 19°46'38"E	1124.89	-1058.54	+ 380.62
		+7937.81	-286.51

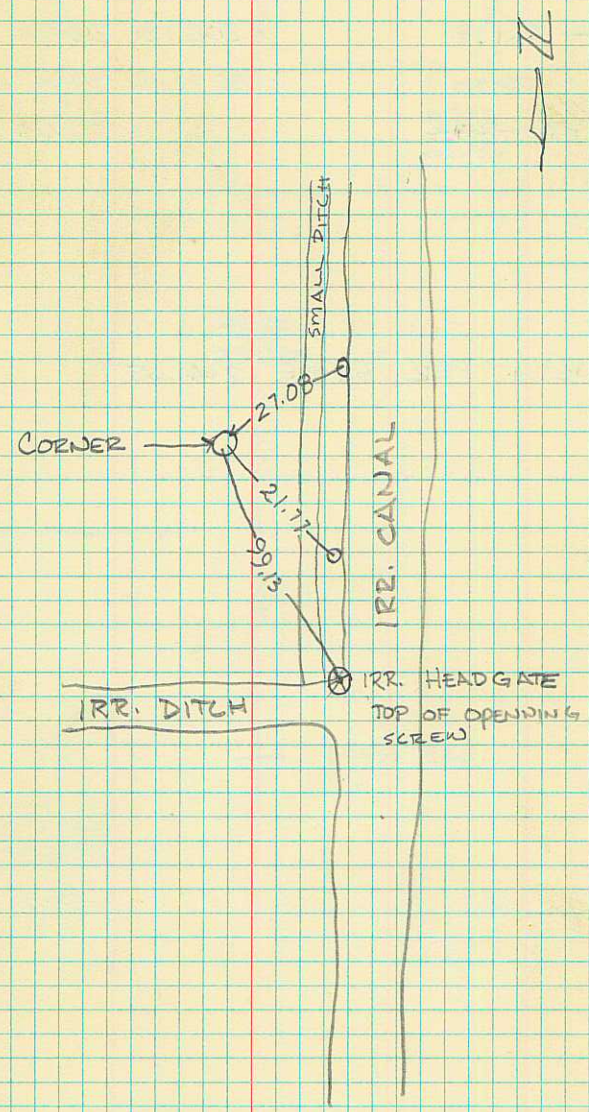

I
N 5°55'36"W
8556.18
36
31
N8°12'52"W
H'
2182.43
N 9°08'29"W
2045.94
3°12'53"
2°17'16"
H

JULY 30, 1980

MONUMENT FOR 1/4 BETWEEN 36 + 31
TWP 18 N. ON MERIDIAN LINE

USE SINGLE PROP TO ESTABLISH
THIS CORNER
SET A BRASS CAP ON AN 18"
PIPE 2 1/2 FT BELOW THE GROUND
WITH A RAILROAD SPIKE DIRECTLY
OVER IT AT THE GROUND LEVEL
SET 2 3' LONG REBAR / CAPS
AS WITNESS POINTS AT CANAL
LINE

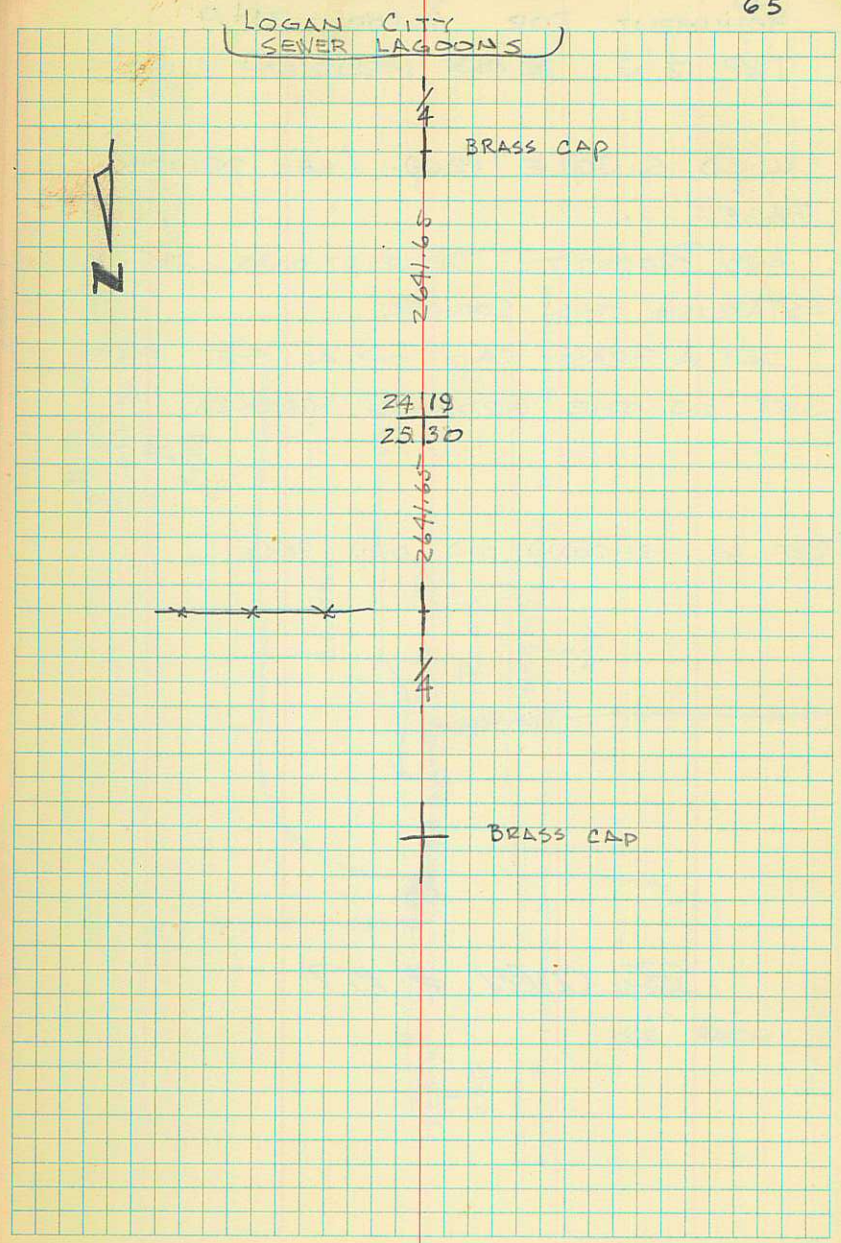
SEC CORN #156



JULY 31, 1980

STA	— STA	SINGLE	PROP. SLP DIST	CALC. VERT ∡	HORZ DIST
PT 1 —	24 ¼ + 19		2011.19	269°49'	2011.18
PT 1	25 ¼ + 30		3272.10	90°04'	3272.10
CALC PT 1 —	24 19 / 25 30			90°00'	630.47
LENGTH PER		½ MILE	2641.65		

630.47
626.50
3.97

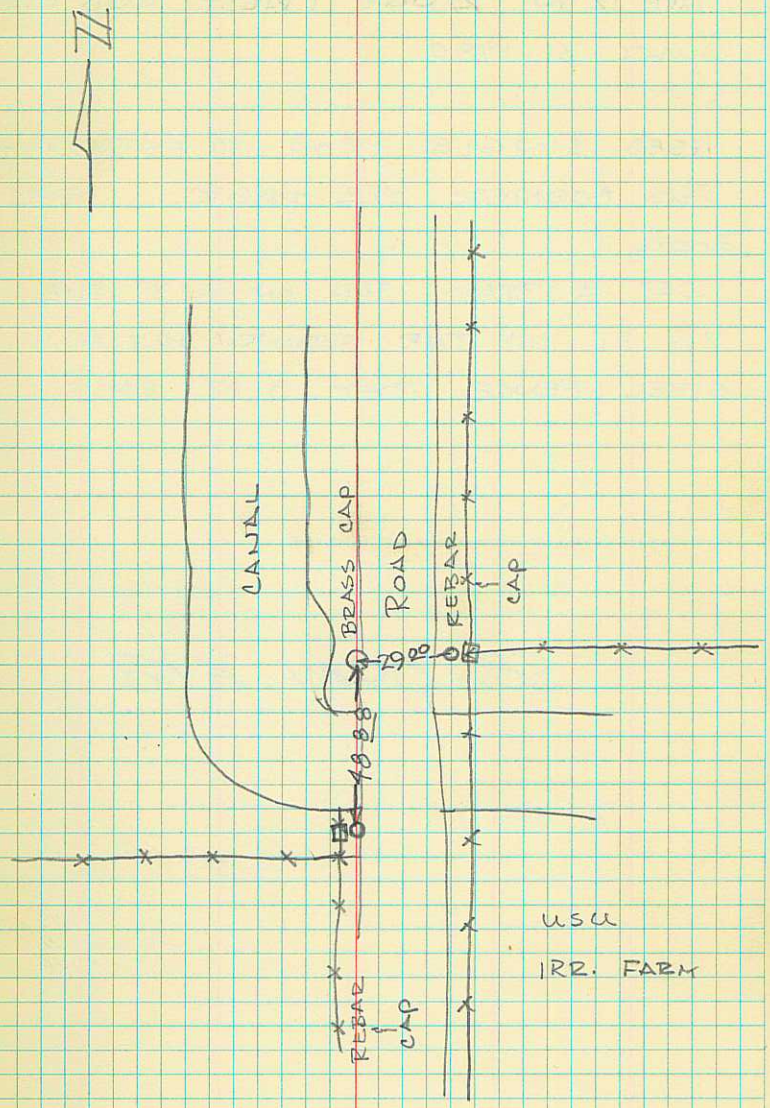


MONUMENT FOR 1/4 COR 24 + 19
T1VP 12 N R ON MERIDIAN LINE

USED SINGLE PROP. (SEE PREVIOUS PAGE)
AND PROPERTY DESCRIPTIONS TO ESTABLISH THIS CORNER
SET A BRASS CAP ON A 4 FT PIPE 3 FT IN THE GROUND MARKED 1/4
R 24 + 19 W
T 12 N

REF AS SHOWN ON OPP PAGE

SEE CORN # 157



MONUMENT FOR COR. 24|19 / 25|30
TWP 12 N RANGE 1 WEST AND 1 EAST
JULY 31, 1980

USED SINGLE PROP TO ESTABLISH
THIS CORNER SEE PAGE THIS
BOOK
SET A BRASS CAP ON A 3' PIPE
2½ FT IN THE GROUND SET A
STEEL FENCE POST 5 FT EAST.

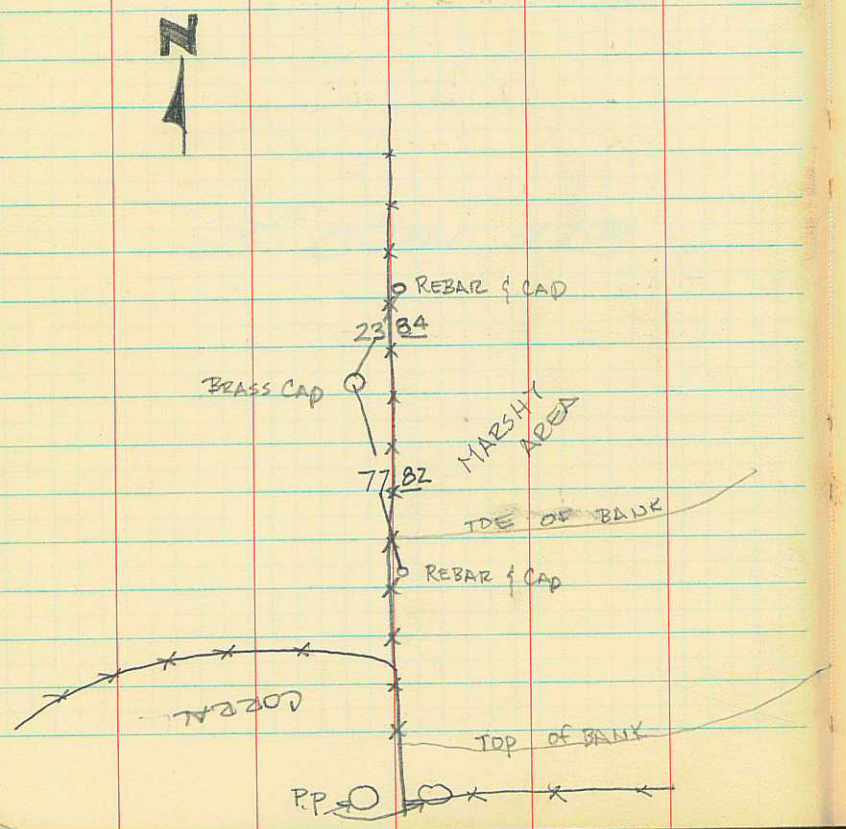
SEE BOOK #158

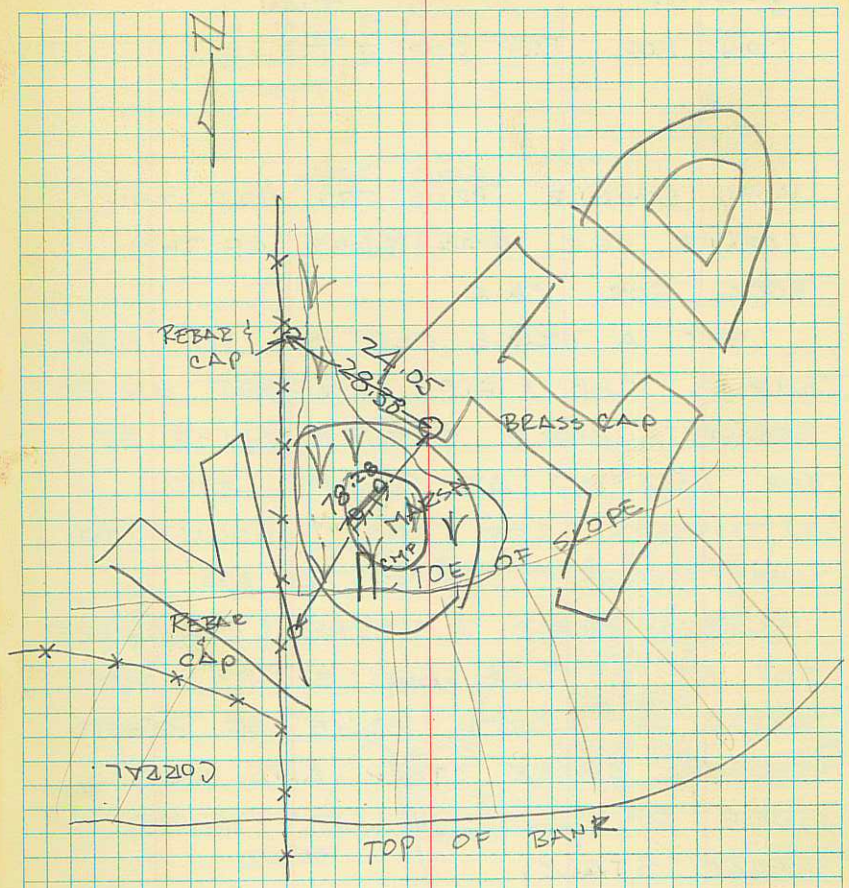
8-1-80 MONUMENT FOR 1/4 1 + 6

T1VP 13 N R 1W & R1E

USED SINGLE PROP TO ESTABLISH THIS CORNER AS PROPERTY LINES DIDN'T MATCH UP WITH DESCRIPTIONS SET A BRASS CAP ON A 3' PIPE 2 1/2 FEET IN THE GROUND REF AS SHOWN BELOW

SEC CORN #159





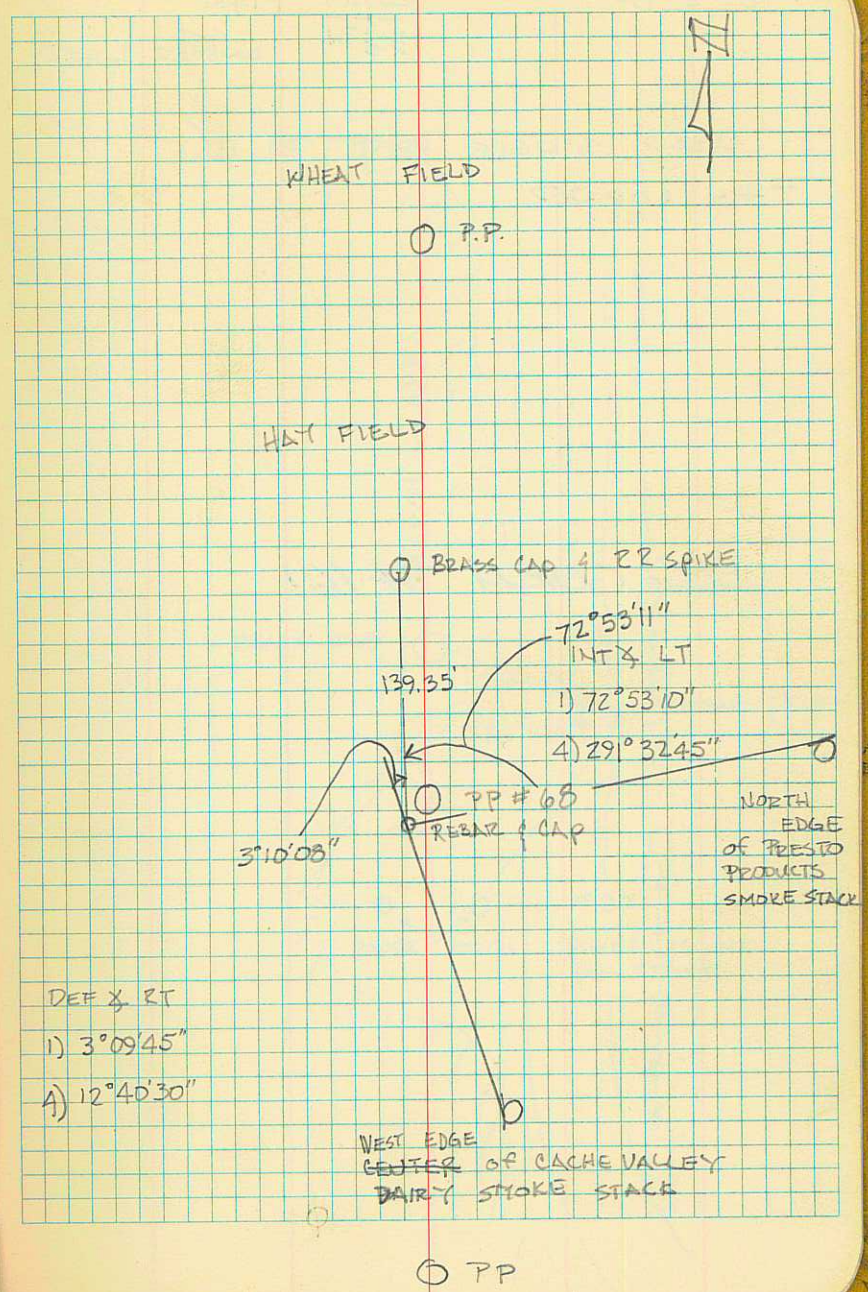
8-4-80

MON FOR TWP COR 3/4 T14N 36|31 1|6 T13N W/4

USED SINGLE PROP TO SET THIS CORNER SEE END PAGES OF THIS BOOK FOR CALC.

SET A BRASS CAP ON 18" PIPE BURIED CAP & PIPE 1½ FEET UNDER GROUND SURFACE SET A SPIKE AT COR LOCATION AT GROUND LEVEL WITNESSED COR AS SHOWN ON NEXT PAGE. COR IS IN AN ALFAFA FIELD A REBAR & CAP WERE SET BY PP #68 AND SIGHTS WERE TAKEN OF NORTH EDGE OF PRESTO PRODUCTS SMOKE STACK AND WEST EDGE OF CACHE VALLEY DAIRY SMOKE STACK.

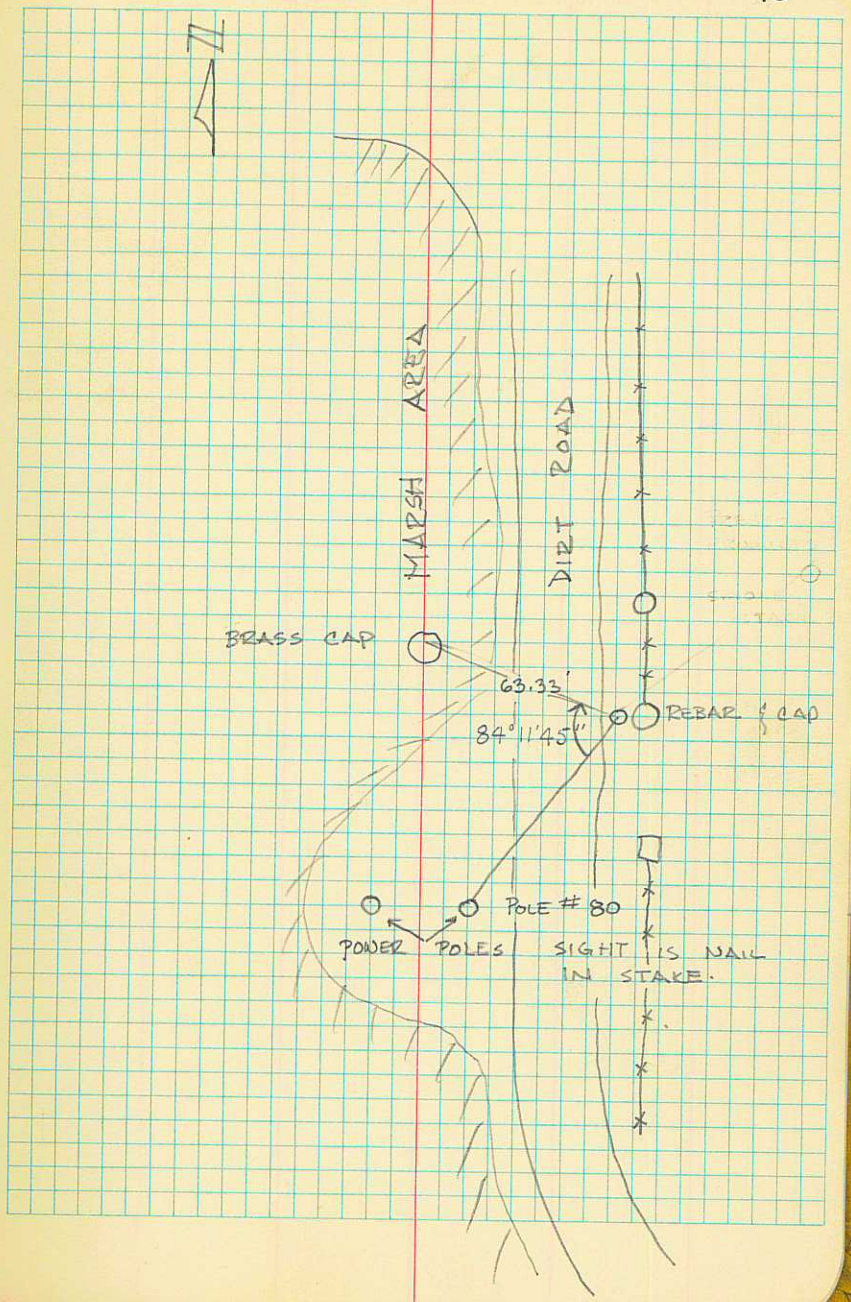
SEC COR #160



8-5-80 25|30 T14N
36|31 ON MER. LINE

USED SINGLE PROP TO EST
THIS CORNER

SEE CORN #161



8-5-80 CLOSURE CHECK FOR SINGLE PROP. OF SECTION CORNERS TWP 13 ¼ No ON MERIDIAN LINE.

BB 6 — 25+30	2°58'50"	1324.45	89°47'	1324.44
∡DEF RT	1) 2°59'00"			
BACKSIGHT BB 5	4) 11°55'20"			

BB² — BB³	01'45"	1727.42	90°00'	1727.42
∡ DEF LT	1) 0°01'20"			
BACKSIGHT BB	4) 0°07'00"			
BB³ — 36+31	CALCULATIONS			

BB³ COORD : 11818.63 N 9993.21 E

36+31 COORD: 12847.62 N 10004.52 E

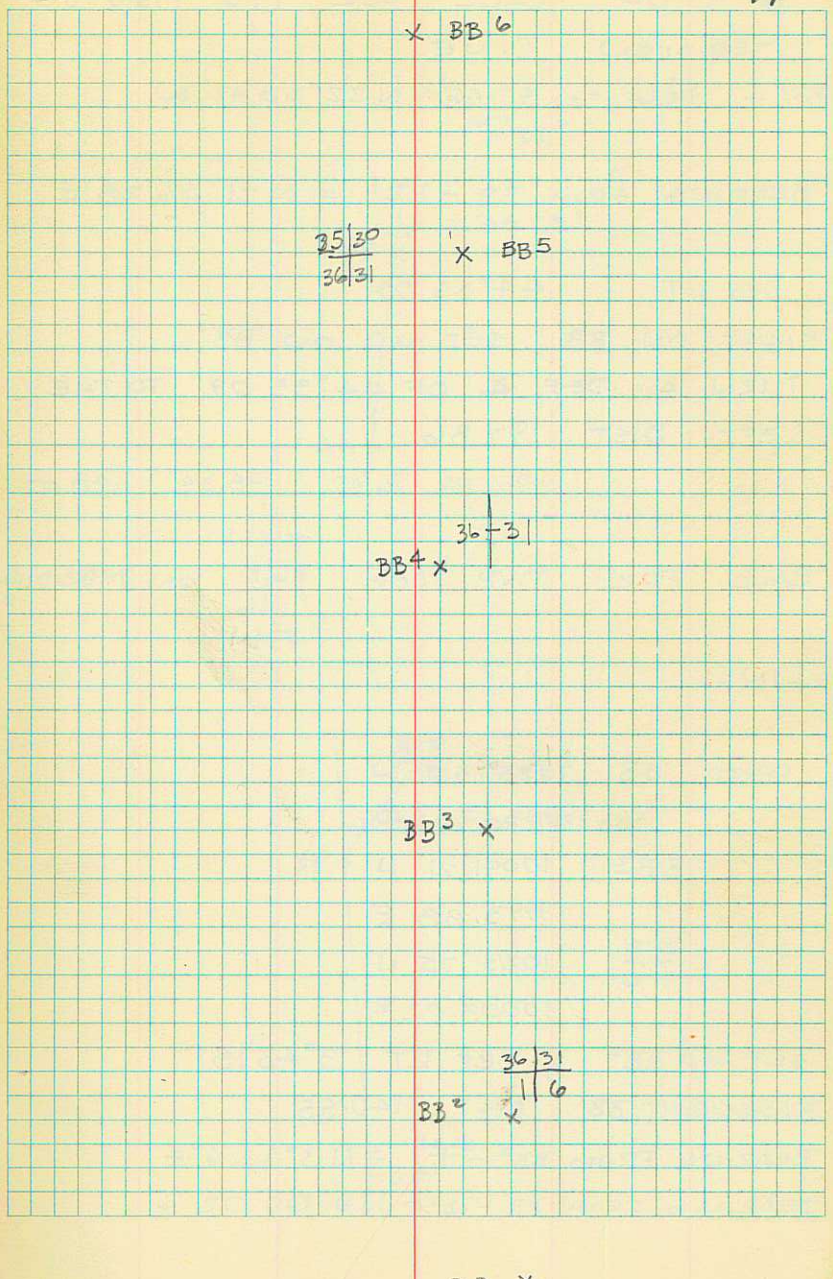
BEARING BETWEEN BB³ 36+31 = N 0°37'47" E

DIST BETWEEN BB³ & 36+31 = 1029.05

SET UP ON BB³ BACKSIGHT BB² ∡ DEF RT 0°39'07"

DIST 1029.05

BB³ — BB4	0°09'56"	830.74	91°20'	830.52
∡ DEF LT	1) 0°09'40"			
BACKSIGHT BB²	4) 0°39'45"			
BB³ — BB⁵	1°09'46"	3622.04	90°19'	3621.98
∡ DEF RT	1) 1°10'00"			
BACKSIGHT BB²	4) 4°39'05"			
BB⁵ — BB⁶	3°50'57"	1317.05	88°53'	1316.80
∡ DEF LT	1) 3°50'40"			
BACKSIGHT BB³	4) 15°23'50"			



8-4-80 CALC FOR 1+6 T13N ON MERIDIAN LINE

BB' – 1+6 197.86 N 22°38'41" W

BEARING from BB – BB' = N 21°56'28" E

DEF LT 44°35'09"

SIGHT ON BB SET UP ON BB'

TURN A DEF ∡ OF 44°35'09" TO THE LEFT DIST. 197.86

199.74 96°47' 198.34 .48 ←

CALC FOR TVP COR T14N 36|31 / 1|6 T13N ON MERIDIAN LINE

COORD. BB 7225.37 N
9993.91 E

BB² 10091.21 N
9993.88 E

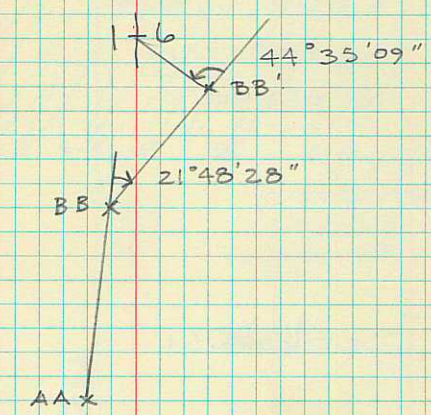
36|31 / 1+6 10231.75 N
10003.02 E

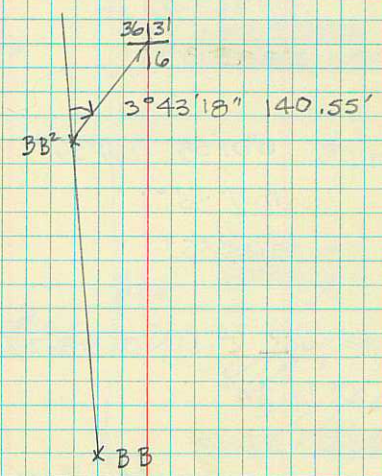
SET UP BB² ∡ DEF RT 3°43'18"

BACKSIGHT BB DIST. 140.55

BEARING FROM BB² – 36|31 / 1+6 = N 3°43'16" E

BEARING FROM BB – BB² ← N 0°00'02" E





	S 0°02'00"W 2615.90	-2615.90	-1.52
1 to 6	~~N 4°10'45" W 149.91~~	~~+149.51~~	~~-10.92~~
	~~N 0°08'00" E 2075.87~~	~~+2075.80~~	~~+4.83~~
	~~N 1°00'59" E 390.00~~	~~-390.53~~	~~-7.61~~

SET UP ON BB BACKSITE AA ∡ DEF RT 0°58'59"

DIST OF 390.00

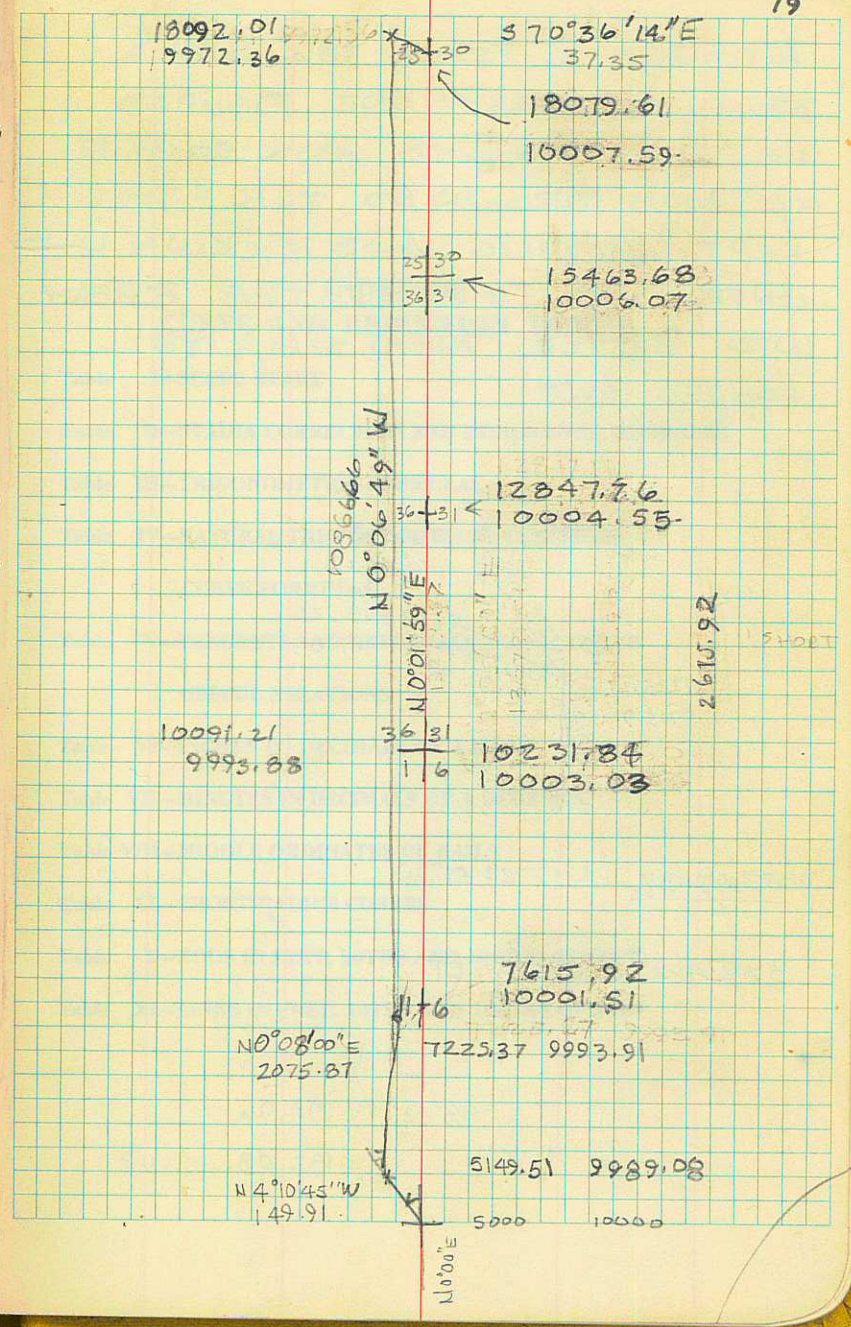
36|31
1|6 DIST 3006.54

~~BB 2 1/6~~

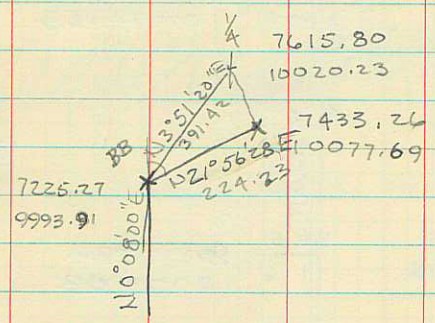
~~1/6 DIST 391.42 N 3°51'20" E~~
~~∡ DEF RT 3°43'20"~~

BB - BB'	21°48'28"	224.33	91°41'	224.23
∡ DEF RT	1) 21°48'45"		7433.26	
BACKSIGHT AA	2) 43°36'55"		10077.69	
BB 2 FROM BB	0°07'58"	269°59'	2865.94	2865.94
	1) 7'55"			
∡ DEF LT	2) 15'55"			

DIST 142.99 ~~N 10°38'23" E~~
DEF ∡ RT 10°31'34"
BACKSIGHT BB

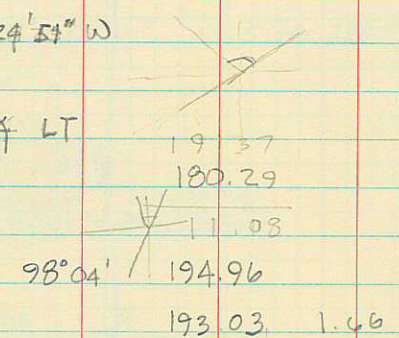


ATTITUDE 2 FROGS FELL INTO A BOWL OF CREAM ONE FIGURED HE WAS DOOMED AND SO GAVE UP AND DROWNED THE OTHER KEPT KICKING AND KICKING UNTIL HE TURNED THE CREAM INTO BUTTER THEN SIMPLY HOPPED OUT



DIS ~~228.87~~ N17°24'54" W

~~39°24'51"~~ DEF & LT



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46½

4'3" 28

TABLE X. RODS IN FEET, TENTHS AND 100THS OF FEET

Rods	Feet	Rods	Feet	Rods	Feet	Rods	Feet	Rods	Feet
1	16.50	21	346.50	41	676.50	[illegible]	[illegible]	81	1336.50
2	33.00	22	363.00	42	693.00	[illegible]	[illegible]	82	1353.00
3	49.50	23	379.50	43	709.50	[illegible]	[illegible]	83	1369.50
4	66.00	24	396.00	44	726.00	[illegible]	[illegible]	84	1386.00
5	82.50	25	412.50	45	742.50	[illegible]	[illegible]	85	1402.50
6	99.00	26	429.00	46	759.00	[illegible]	[illegible]	86	1419.00
7	115.50	27	445.50	47	775.50	87	[illegible]	87	1435.50
8	132.00	28	462.00	48	792.00	88	[illegible]	88	1452.00
9	148.50	29	478.50	49	808.50	89	[illegible]	89	1468.50
10	165.00	30	495.00	50	825.00	70	[illegible]	90	1485.00
11	181.50	31	511.50	51	841.50	71	[illegible]	91	1501.50
12	198.00	32	528.00	52	858.00	72	[illegible]	92	1518.00
13	214.50	33	544.50	53	[illegible]	73	[illegible]	93	1534.50
14	231.00	34	561.00	54	891.00	74	[illegible]	94	1551.00
15	247.50	35	577.50	55	907.50	75	[illegible]	95	1567.50
16	264.00	36	594.00	56	[illegible]	76	[illegible]	96	1584.00
17	280.50	37	610.50	57	940.50	77	1276.50	97	1600.50
18	297.00	38	627.00	58	957.00	78	1293.00	98	1617.00
19	313.50	39	643.50	59	[illegible]	79	1309.50	99	1633.50
20	330.00	40	660.00	60	990.00	80	1320.00	100	1650.00

TABLE XI. LINKS IN FEET, TENTHS AND 100THS OF FEET

Links	Feet	Links	Feet	Links	Feet	Links	Feet	Links	Feet	Links	Feet
1	0.66	18	11.88	35	23.10	52	34.32	69	45.54	86	56.76
2	1.32	19	12.54	36	23.76	53	34.98	70	46.20	87	57.42
3	1.98	20	13.20	37	24.42	54	35.64	71	46.86	88	58.08
4	2.64	21	13.86	38	25.08	55	36.30	72	47.52	89	58.74
5	3.30	22	14.52	39	25.74	56	36.96	73	48.18	90	59.40
6	3.96	23	15.18	40	26.40	57	37.62	74	48.84	91	60.06
7	4.62	24	15.84	41	27.06	58	38.28	75	49.50	92	60.72
8	5.28	25	16.50	42	27.72	59	38.94	76	50.16	93	61.38
9	5.94	26	17.16	43	28.38	60	39.60	77	50.82	94	62.04
10	6.60	27	17.82	44	29.04	61	40.26	78	51.48	95	62.70
11	7.26	28	18.48	45	29.70	62	40.92	79	52.14	96	63.36
12	7.92	29	19.14	46	30.36	63	41.58	80	52.80	97	64.02
13	8.58	30	19.80	47	31.02	64	42.24	81	53.46	98	64.68
14	9.24	31	20.46	48	31.68	65	42.90	82	54.12	99	65.34
15	9.90	32	21.12	49	32.34	66	43.56	83	54.78	100	66.00
16	10.56	33	21.78	50	33.00	67	44.22	84	55.44	101	66.66
17	11.22	34	22.44	51	33.66	68	44.88	85	56.10	102	67.32

292.5154

208.3834

347.1007

4900.6328

125° 40' 47" LT

N3° 00' W 1650.67

N1° 03' 02" W 853.92

N87° 13' 48" E 15.42

1648.41 - 86.39

853.78 - 15.66

.75 + 15.40

25.02.94 86.9

25.04.45