

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING  
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.



0  
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48  
49  
50

Distance  
ground is  
column a  
side stake  
side stake  
cut or fill  
If it does

DIRECTIONS FOR USE OF TABLES

TABLE NO. XVII

Distance of slope stake from side of roadway  
state for any width roadway, slope 1 1/2 to 1  
If ground is regular, find the distance from  
stake to tangent by the same rule as in Table  
No. XVI.

IMPROVED TABLES  
AND  
INFORMATION

cut larger. If it does not make the right  
adjustment necessary.

TABLE NO. VIII

The Tangent and Distance for curve of  
any other degree, divide by degree of curve and  
add correction found in column of correction.  
Degree of curve with a given  $L$  may be found  
by dividing tangent (or external) opposite  $L$  by  
given tangent (or external).

The distance from a point on the tangent to  
the curve is very nearly the square of the tangent  
length divided by twice the radius.



## DIRECTIONS FOR USE OF TABLES

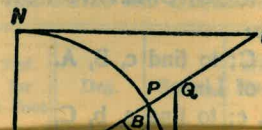
TABLE No. XIV

Distance of slope stake from side or shoulder stake for any width roadway, slope  $1\frac{1}{2}$  to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE No. VIII

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections. Degree of curve with a given  $I$  may be found by dividing tangent, (or external), opposite  $I$  by given tangent, (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.



CHIPMAN: FOR YOUR TIE POINT JOB



440.12  
145.45  

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585.57  
559.15  

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26.42

535.87  

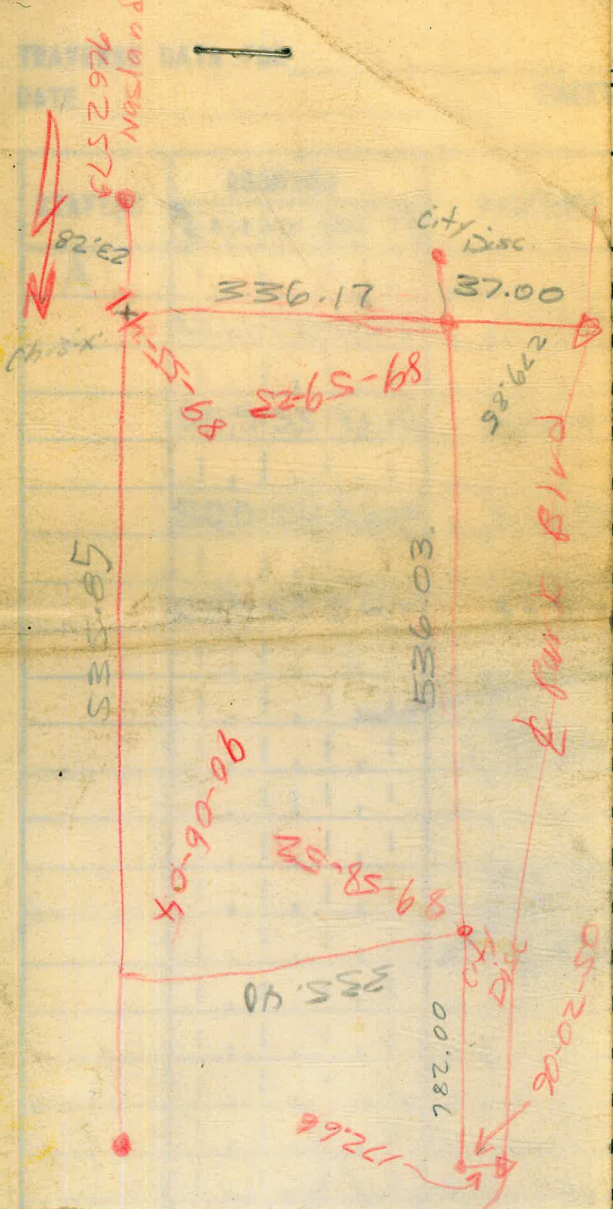
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23.28  

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516.55

RECEIVED FOR YOUR THE FIRST TIME



	FUNCTIONS		COORDINATES		TANGENTS
	COSINE	SINE	NORTH	EAST	
			1.000000	10.000000	
S	1.00	.00	1.053585	10.000109	
7	00125567	99999921	1.0535428	10.3361170	
3	99999897	00143505	9.999398	10.33540.1	
0	00176472	99999844	9999990	10.000100.1	
S					
45					

45 = ~~174,345~~







TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	03	.06	09	13	16	19	.22	.25	.28	.31	34	38	42	46
15°	04	10	14	19	24	.29	.34	.39	.45	.51	.53	58	63	68
20°	06	.13	19	26	.32	.39	.45	.51	.58	.65	.72	79	84	90
25°	.08	16	24	.33	40	49	.58	67	.75	.83	90	.99	1.06	1.14
30°	10	19	.29	39	49	.59	69	79	.89	.99	1.09	1.20	1.29	1.39
35°	11	22	.34	47	.58	.69	.79	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	13	.26	.40	53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	15	.30	.44	60	76	91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	17	.34	.51	68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	19	.38	.57	76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	21	.42	.63	84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	23	.46	.69	.93	1.16	1.40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	25	.51	.76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	30	.61	.91	1.22	1.53	1.84	2.15	2.46	2.78	3.10	3.44	3.78	4.12	4.46
85°	33	.66	1.00	1.33	1.68	2.02	2.36	2.70	3.05	3.40	3.77	4.14	4.55	4.89
90°	36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	39	.79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4.76	5.31	5.86	6.43	7.01	7.60
120°	62	1.25	1.93	2.52	3.16	3.81	4.45	5.11	5.77	6.44	7.12	7.80	8.50	9.22

FOR EXTERNALS ADD

Central Angle	DEGREE OF CURVE													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	.036	.046	.056	.065	.074	.083	.093	.106	120	127	135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.771	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.885	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

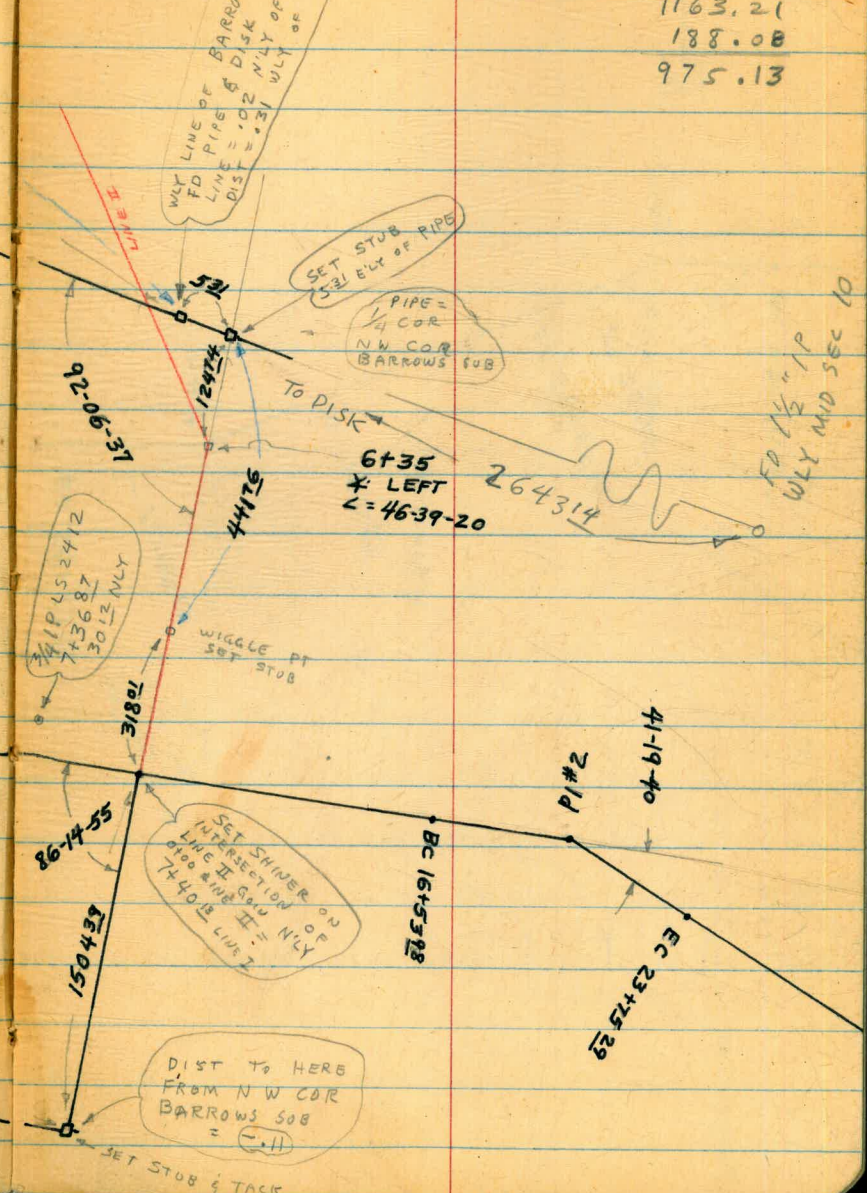
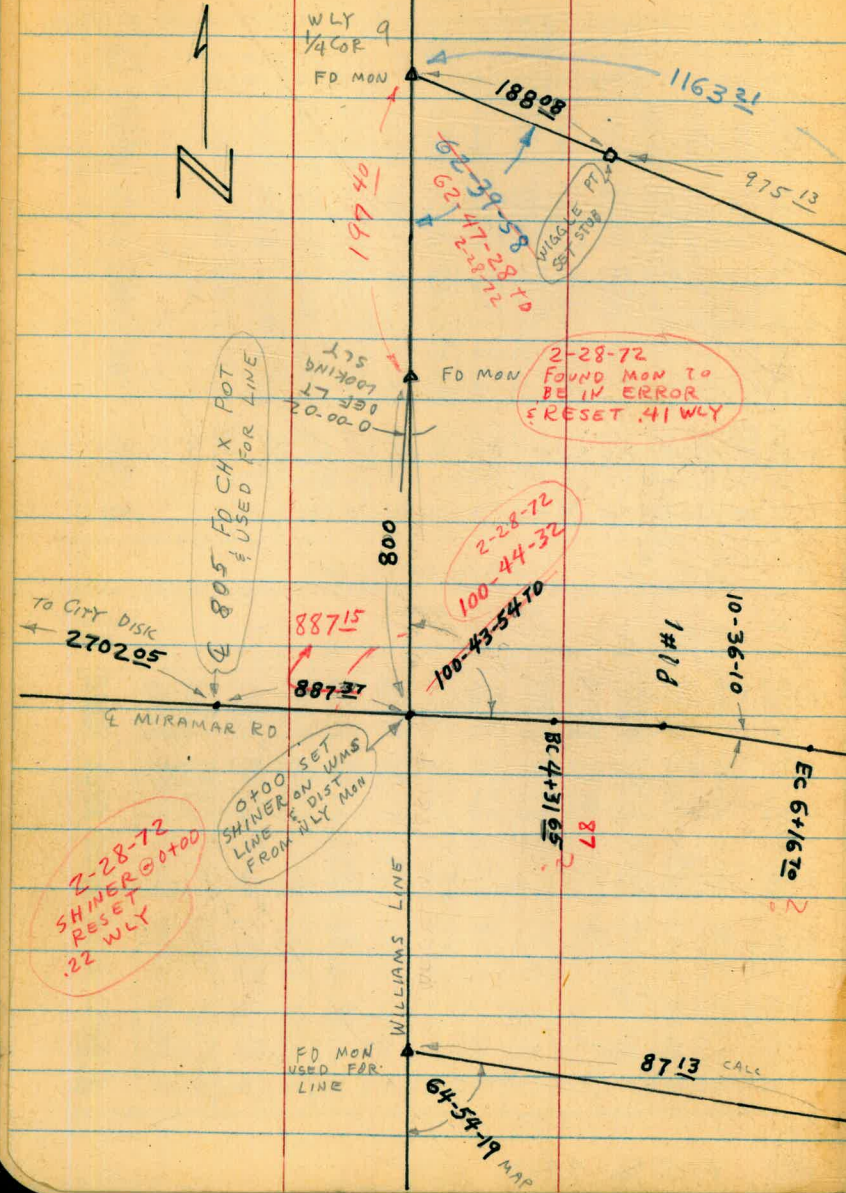
1-2 WMS LINE TO PI#2 29 -  
 3-4 PI#3 TO PI#5 30 TIE TO "HOSTLER"  
 5-6 PI#5, PI#6, FIREBEE 31-32 PI#7 TO E LINE 12  
 7-8 SECTION 11 33 TIE TO PREDISK 805  
 9-10 E LINE 11 TO PI#8 34 & BTWN 29 P315 & VISTA  
 11-12 PI#8 TO E LINE 6 35 TIE TO SKY HAWK  
 13 - NLY LINE MRIR #1 36 TIE TO PHANTOM  
 14 TIE TO W LINE SECT 6 37 TIE TO I-805  
 15-16 TIE TO E LINE SECT 6 38 TIE TO CTR SEC 10  
 17 TIE #1  
 18 TIE #2  
 19 TIE #3  
 20 TIE #4 TIE #5  
 21 TIE #6  
 22 TIE #7  
 23 TIE #8  
 24 TIE #9  
 25 TIE #10  
 26 TIE #11  
 27 TIE TO FED MART  
 28 TIE TO SHELL STA



12-9-71

ALIGNMENT OF MIRAMAR RD @ WILLIAMS LINE  
FOR SEWER PRELIMINARY 0+00 TO P1#2

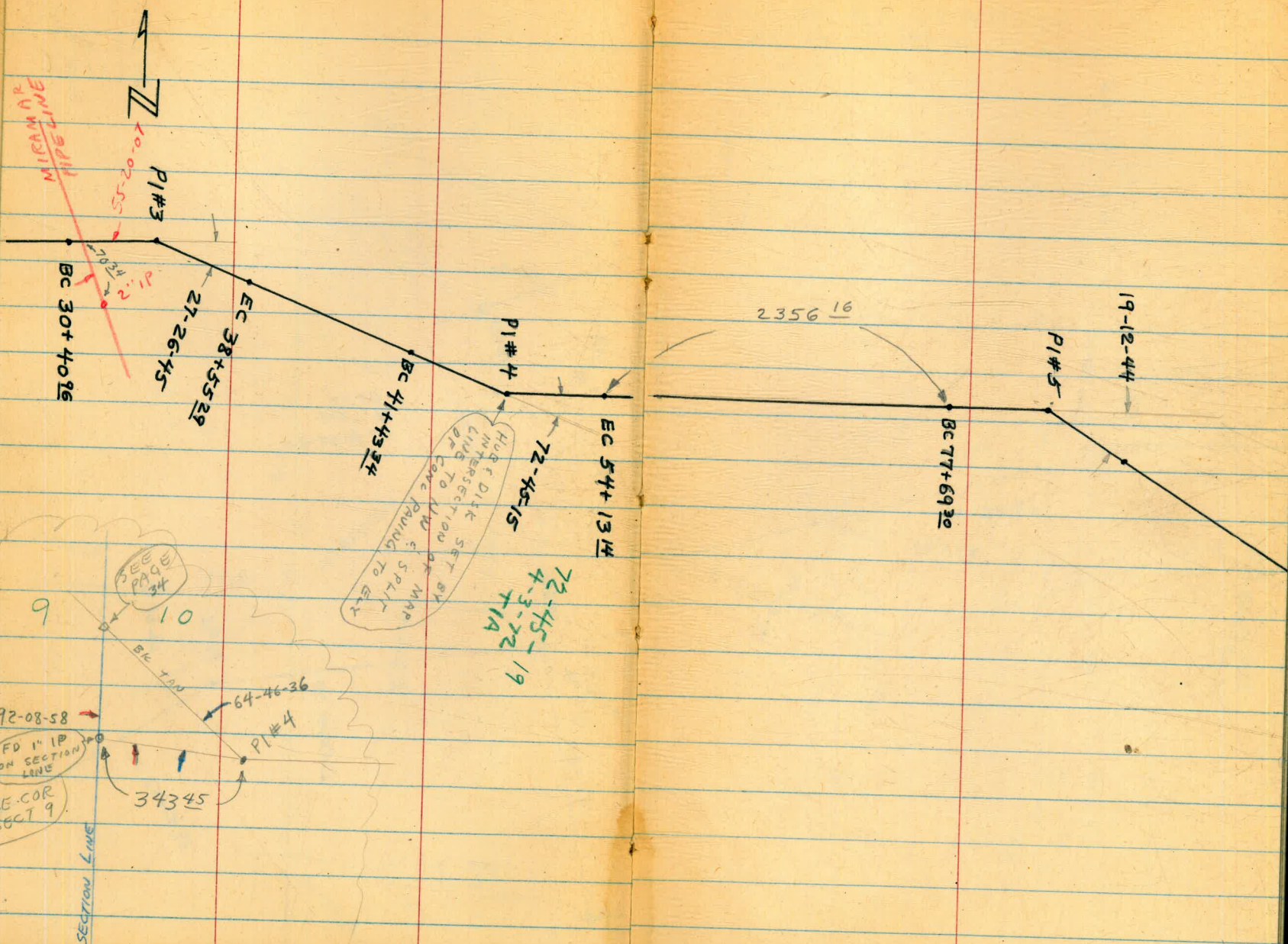
1163.21  
188.08  
975.13





12-13-71

MIRAMAR RD ALIGNMENT  
PI # 3 TO PI # 5





19-12-27  
4-3-72  
TIA

19-12-44  
PI#5

Boxcar

14-32-49

39563

5-11-54

SET SHINER  
RR BRIDGE

30576

63614

90-05-31

RR  
BC

RR TRACKS

# MIRAMAR ROAD ALIGNMENT

PI#5 TO PI#6

TIES TO RR BRIDGE

TIES TO FIREBEE



PI#6 TO PI#7 = 3322 11

129185 TO RR POT

80303

SET PK @ 90°

MIRAMAR RD

126635  
PI#5 TO PI#6

PI#6

4391  
FIREBEE  
2" IP

FRAZEE'S

21-00-45 12  
21-15-72

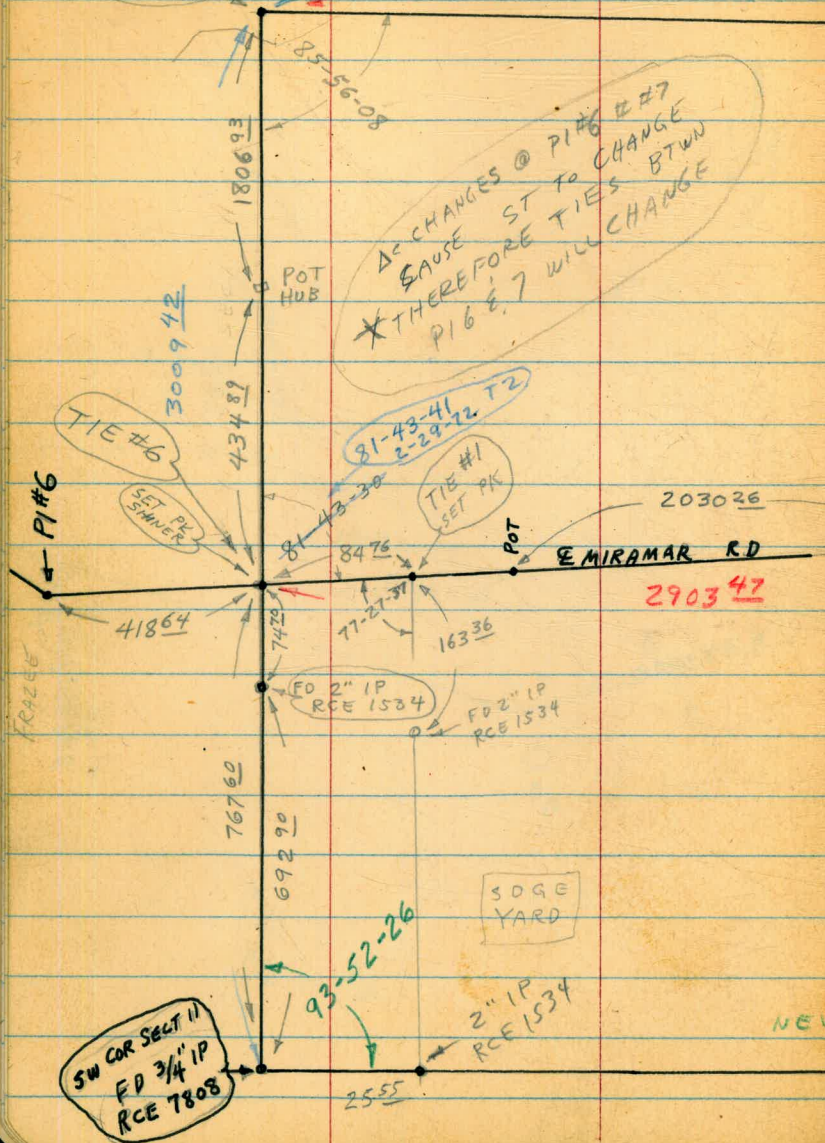
4-3-72  
TIA  
21-00-58



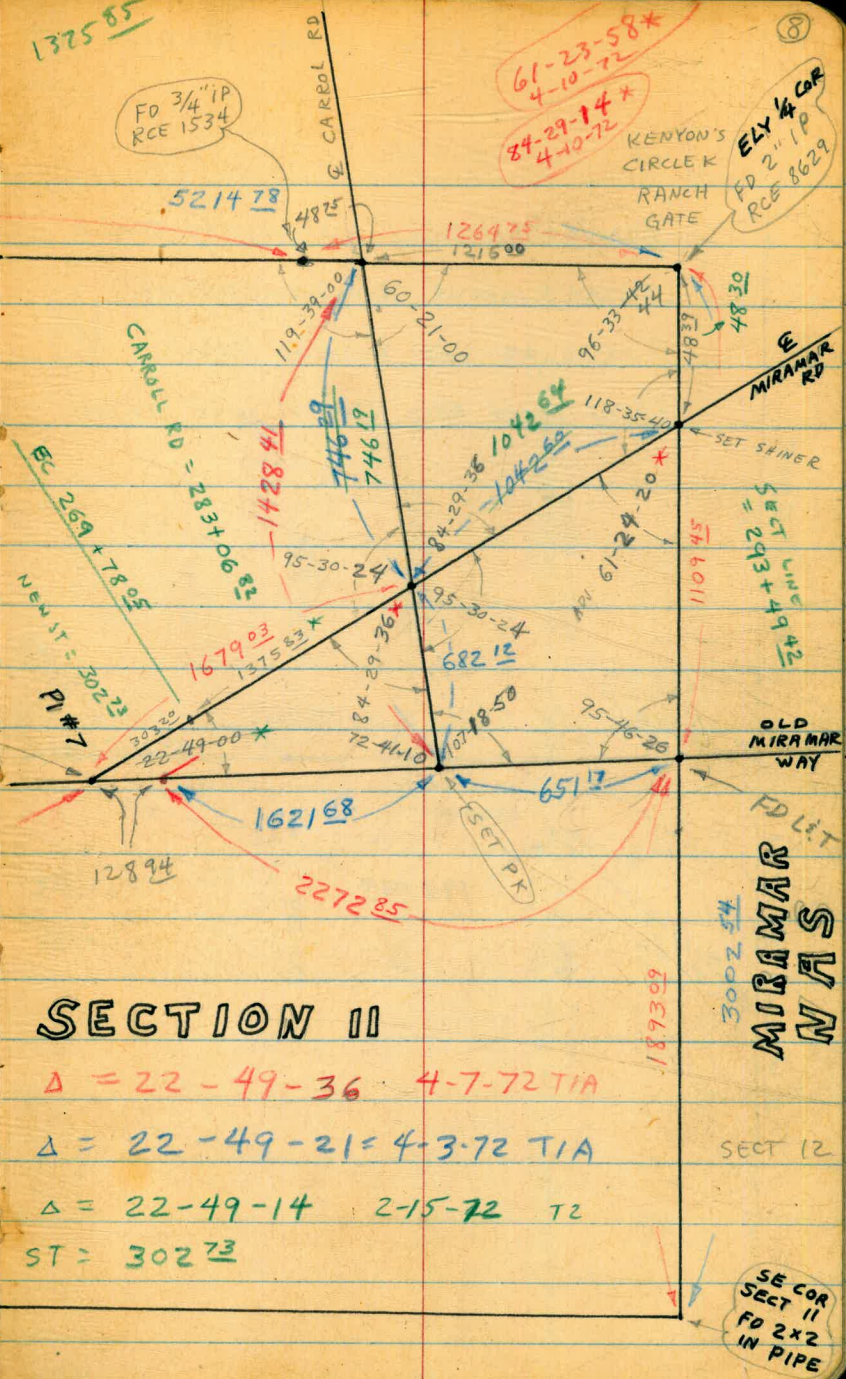
WLY 1/4 COR  
FP 2x2 HUB  
REPLACED WITH  
2" IP & DISK



Δ CHANGES @ PI #6 & #7  
BECAUSE ST TO CHANGE  
THEREFORE TIES BTWN  
PI #6 & #7 WILL CHANGE



SW COR SECT 11  
FP 3/4" IP  
RCE 7808



### SECTION II

- Δ = 22-49-36 4-7-72 TIA
- Δ = 22-49-21 4-3-72 TIA
- Δ = 22-49-14 2-15-72 T2
- NEW ST = 302 23

SE COR  
SECT 11  
FP 2x2  
IN PIPE



ELY LINE SECTION 11 TO P1 # 8

CHAINED DISTANCES ARE SHORTER THAN  
DISTANCE METER MEASUREMENTS BY  
.03 TO .04 PER HUNDRED FEET

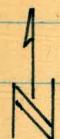
(STAS SHOWN ARE PER DISTANCE METER)

1500 R, E ST MAP Δ of 33-46-07, ST = 45529

1500 R, E TD Δ of 33-46-36, ST = 45541

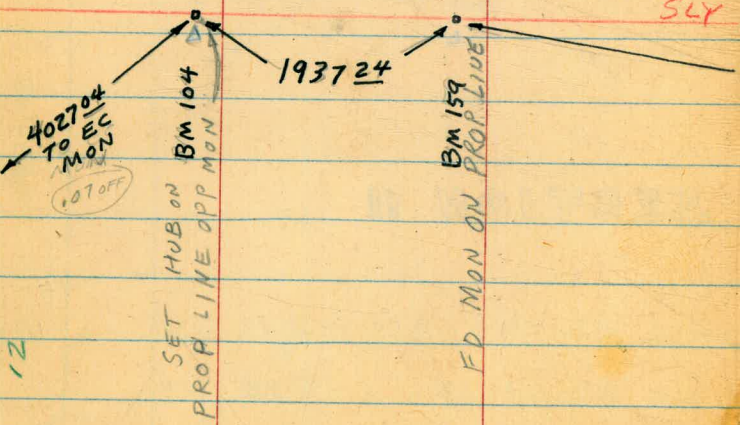
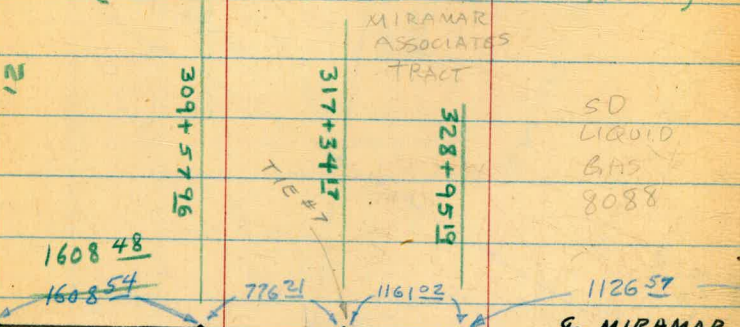
1450 R, MAP Δ ST = 44011

1450 R, TD Δ ST = 44023



CIRCLE GATE

ELY LINE SECT 11

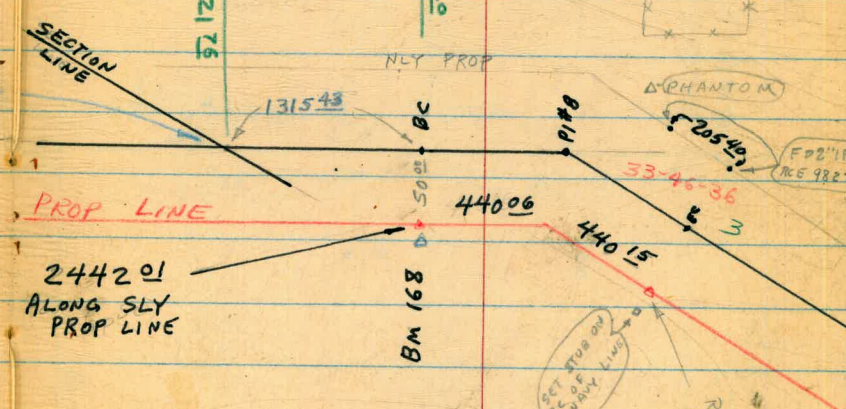


NORTHERN INDUSTRIAL PARK

SDGE

PHANTOM

FP2'IP RCE 9822



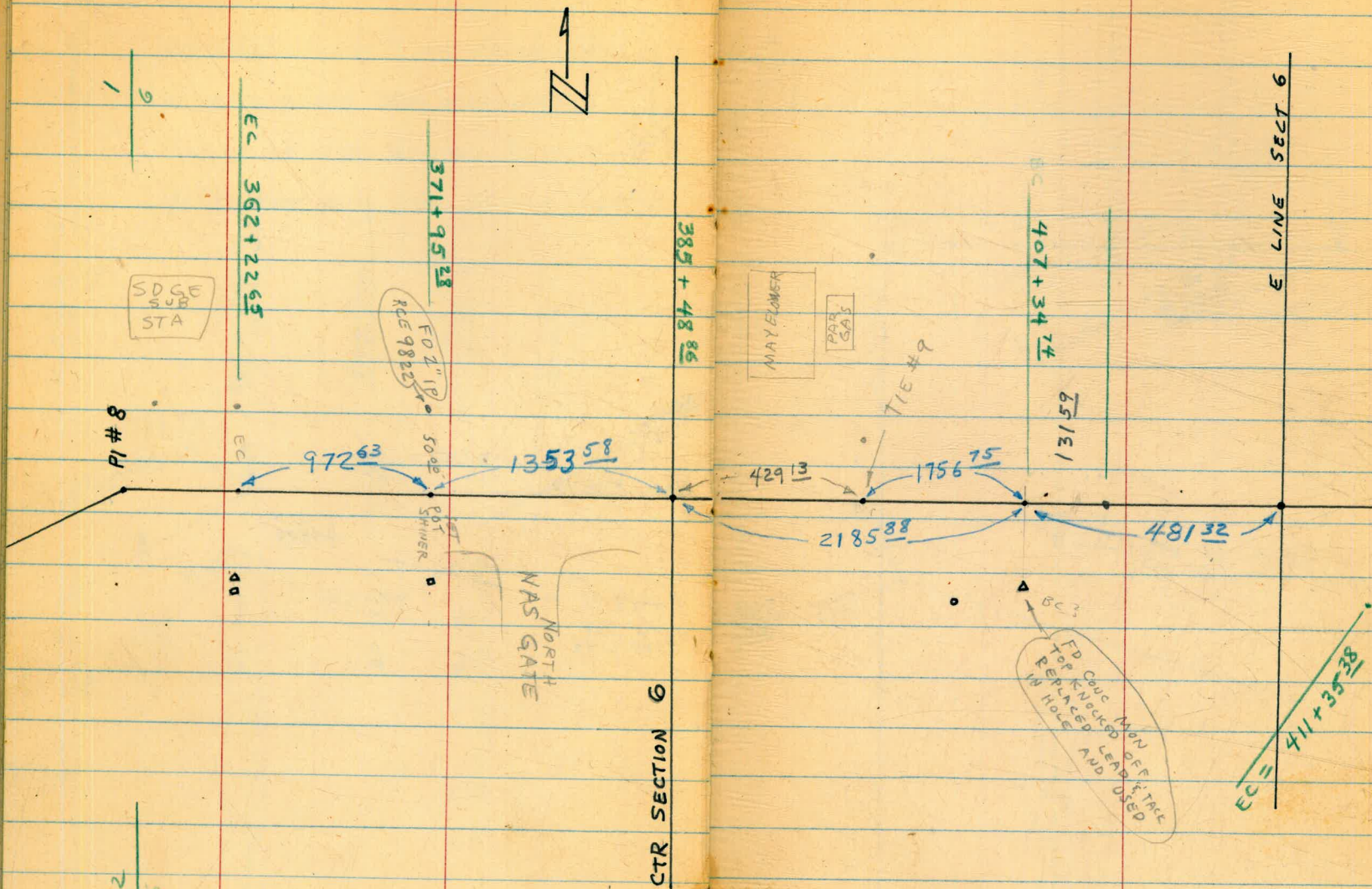
12



(11)

PI # 8 To 395

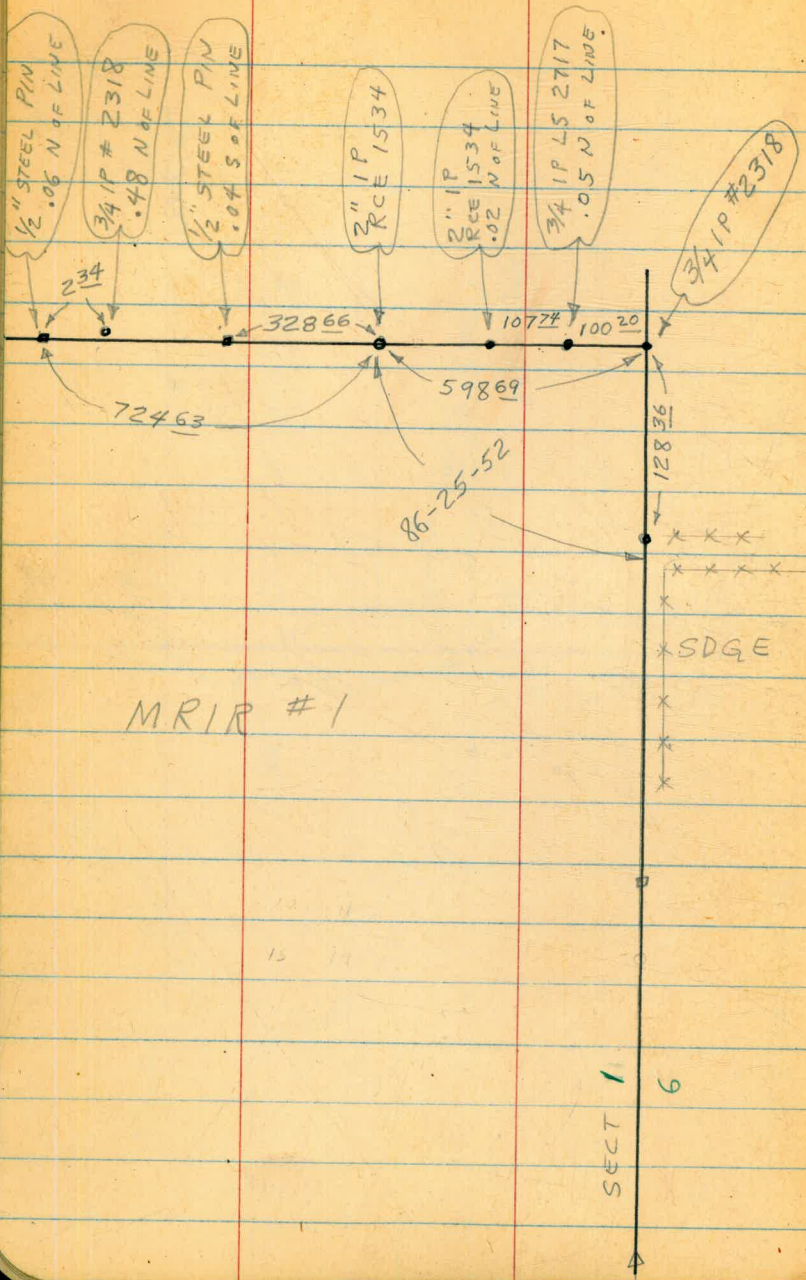
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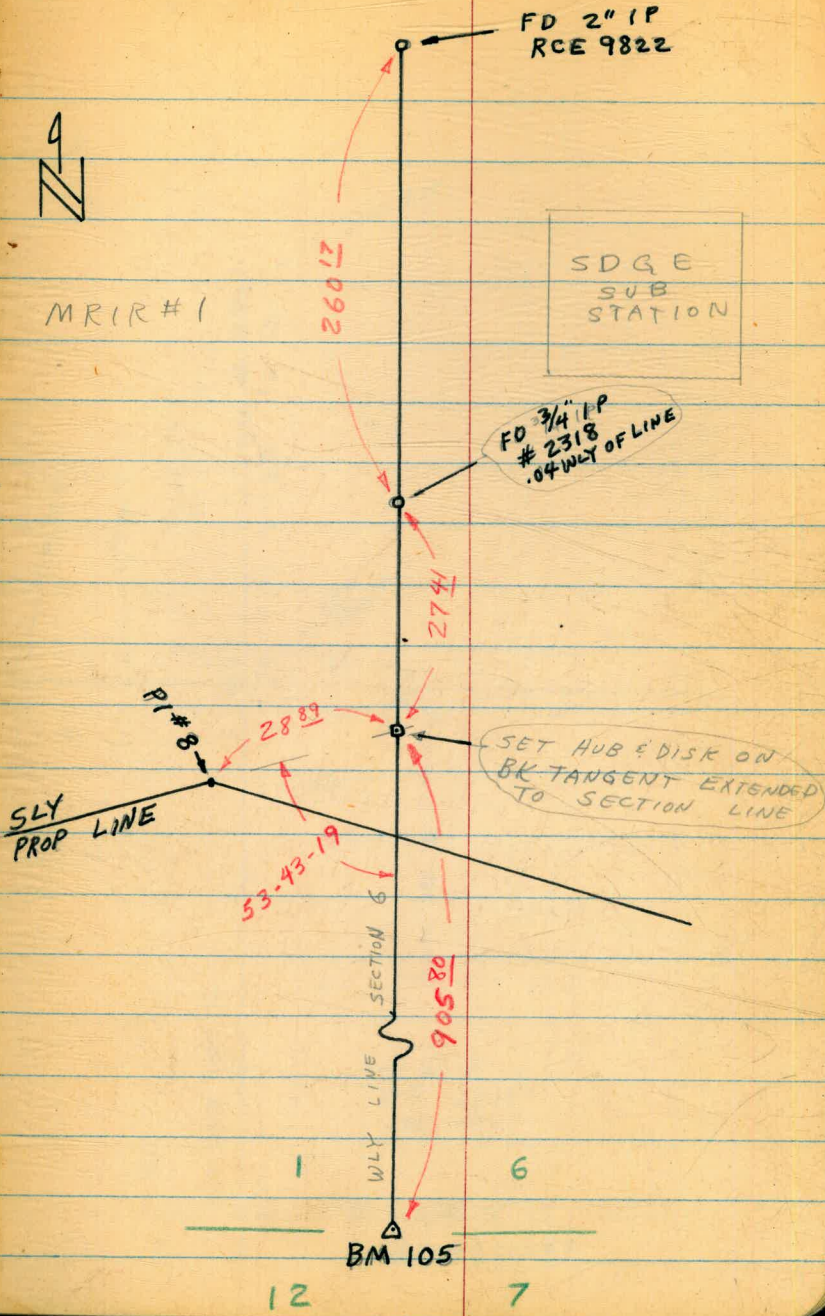


13

TIE TO N'LY BDRY MRIR #1



TIE TO WLY LINE SECTION 6 (14)  
TO T.S. COR





15

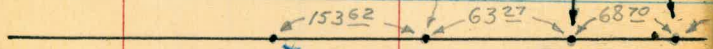
MAY FLOWER

FD 1" IP  
DIV of Hwys

TIE # 11

TIE # 10

50' ±  
BC MON



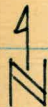
48132

MOBIL  
STA

ENCO  
STA

FD CONC MON  
NOT PUNCHED  
INTERSECTION OF  
TIE OUTS =  
112 WLY OF LINE

TIE TO ELY LINE SECTION 6 (16)  
2-4-72



FD CONC MON  
BRASS PLATE

29333

129527

SET SHINER

SET SHINER

BK TAN EXT

SHELL  
STA

86-34-10

17720

3' SLY OFF MON  
= FD 2" IP  
NASLAND LS 2976  
.72 ELY OF LINE

GULF  
STA

ELY LINE SECT 6

FD 2" IP  
RCE 8629  
ON LINE

6

5

7

8

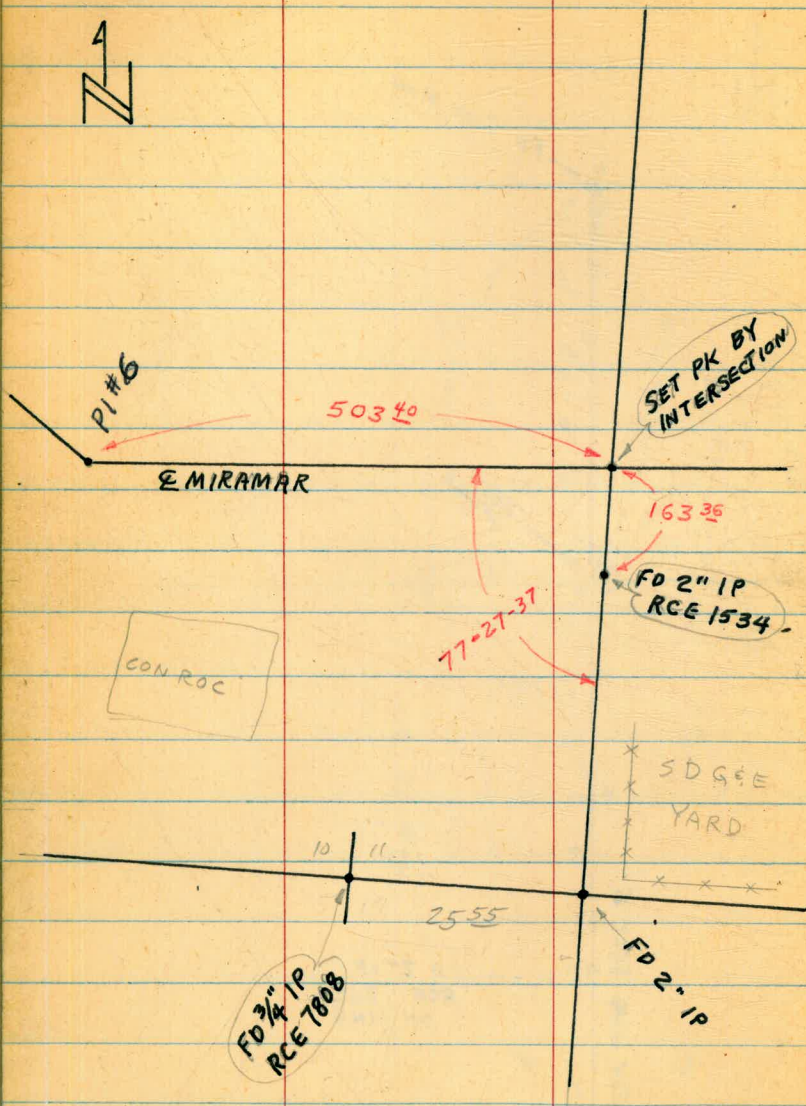
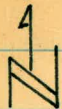
NASLAND 2" IP  
SECTION CORNER



17

# TIE #1

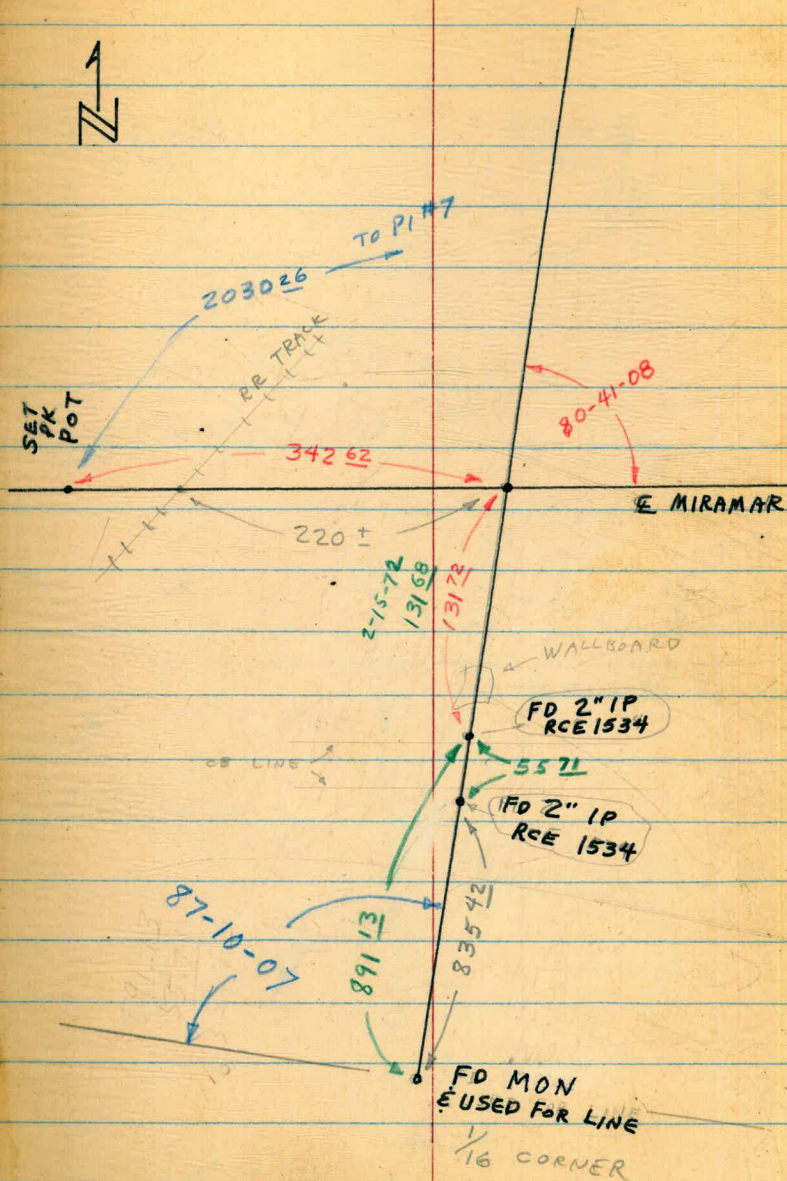
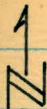
1-18-72



18

# TIE #2

1-18-72

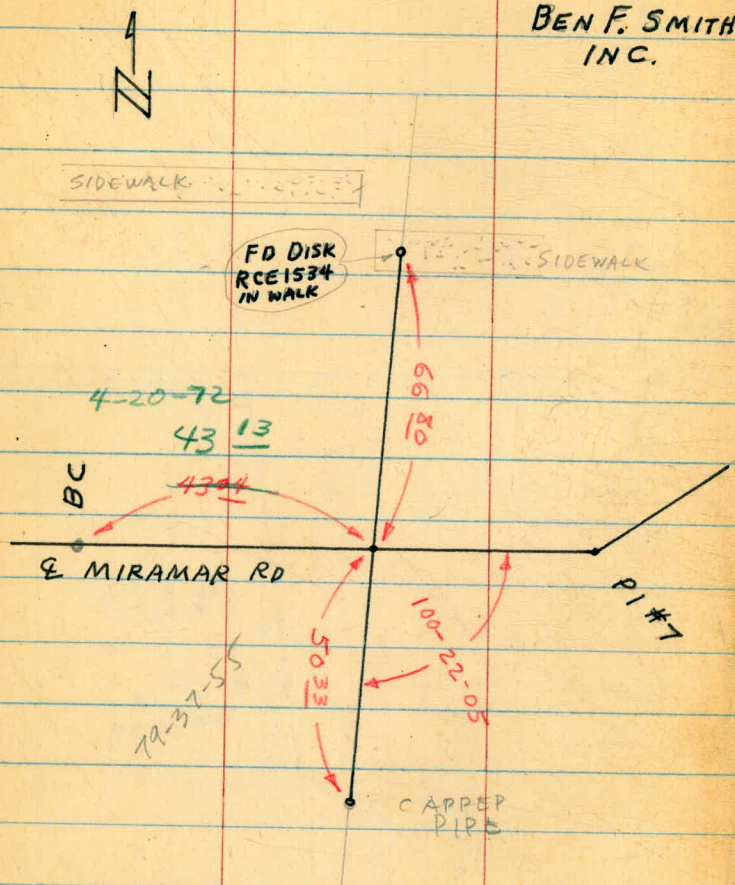




19

TIE #3

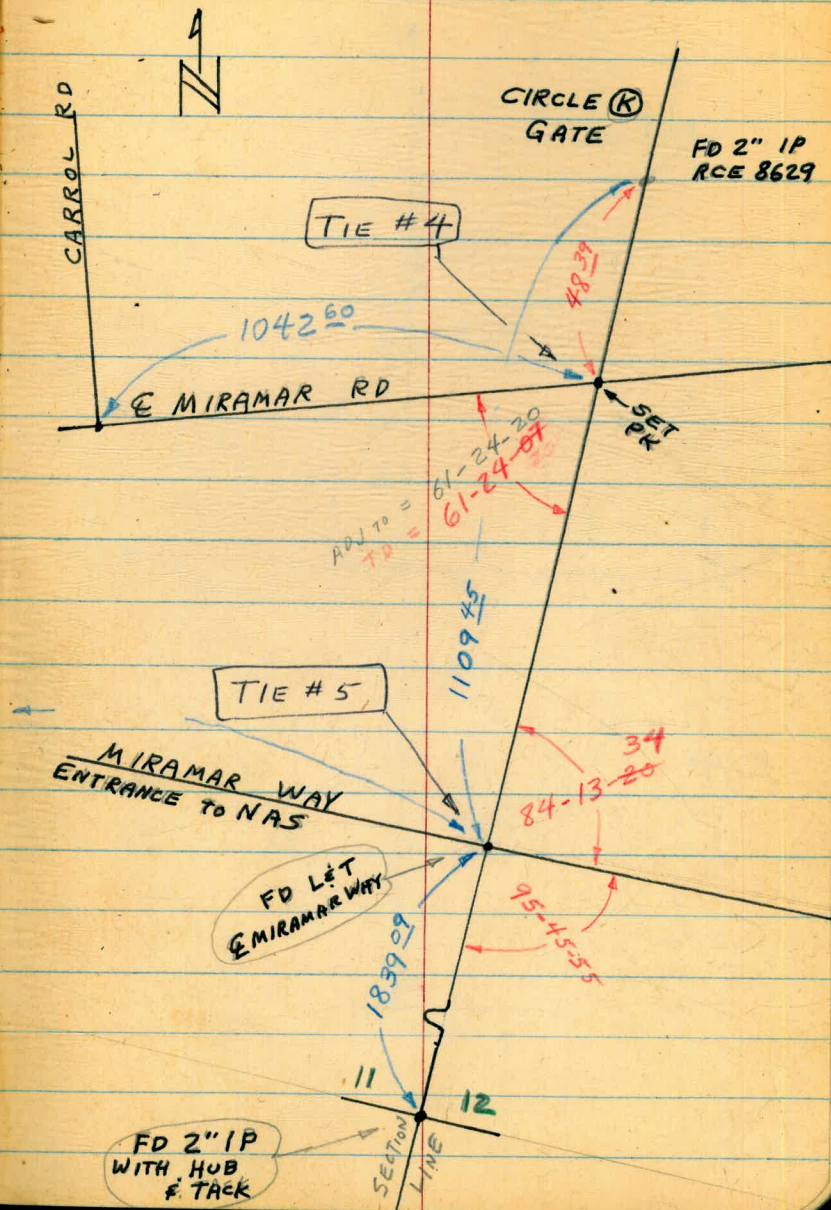
MIRAMAR  
PLAZA  
BEN F. SMITH  
INC.



TIE #4

TIE #5

20

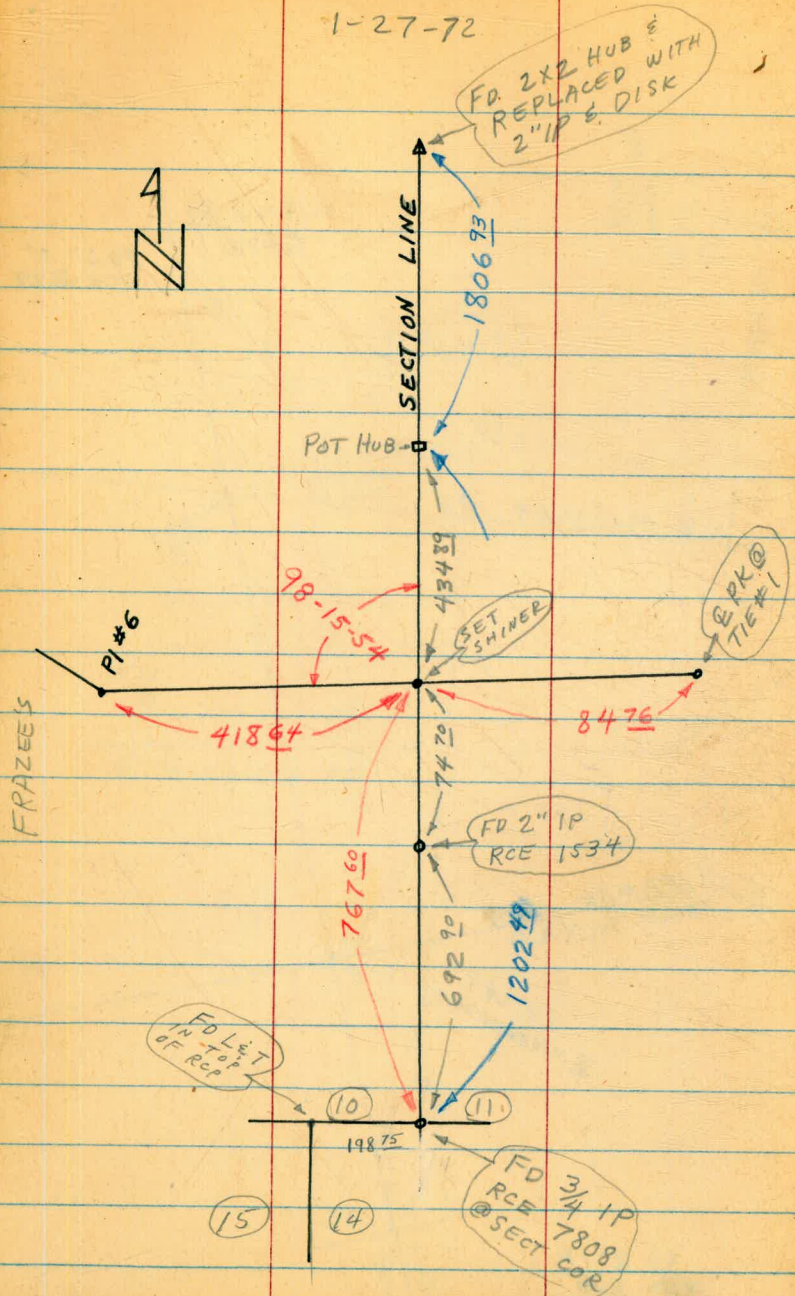




(21)

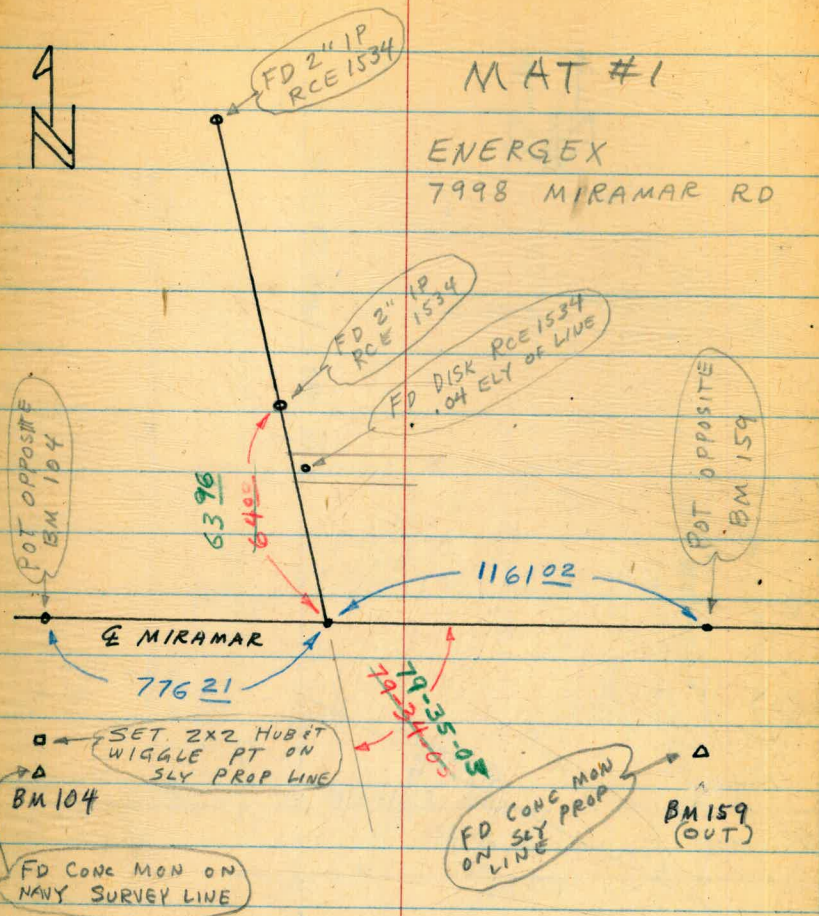
# TIE # 6

1-27-72



# TIE # 7

(22)

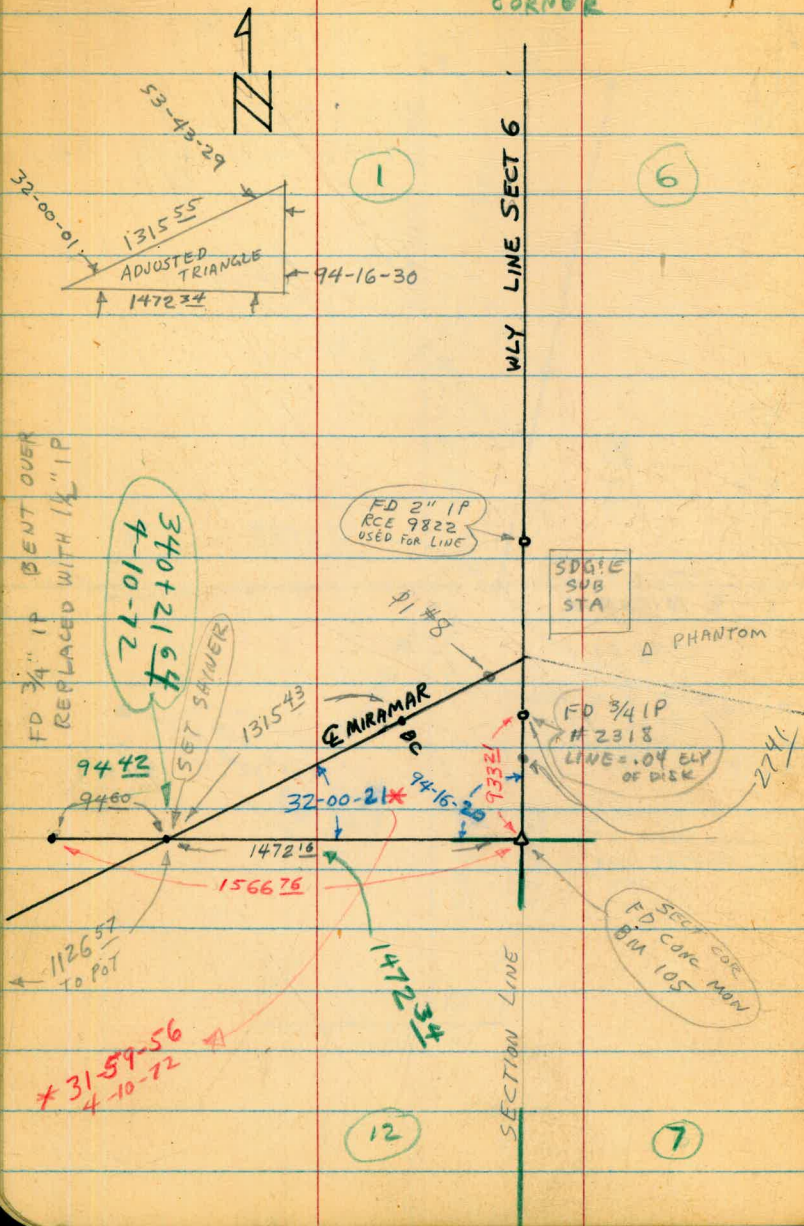




2-1-72

TOWNSHIP CORNER

2-4-72



FD 2" IP RE 2412 CTR SECT 6

FD MON AND PORCHES

1593.81

FD MON

92-01-00

499.4

MIRAMAR RD

CENTER SECTION 6

MLCC UNIT # 5

WLY PROP LINE

MAYFLOWER

FAE GAS

ELY PROP LINE

CONC WALK

FD 2" IP RCE 1534

FD DISK SIDE OF BERM RCE 1534

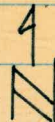
92-01-49

499.4

1756.75

TO BC

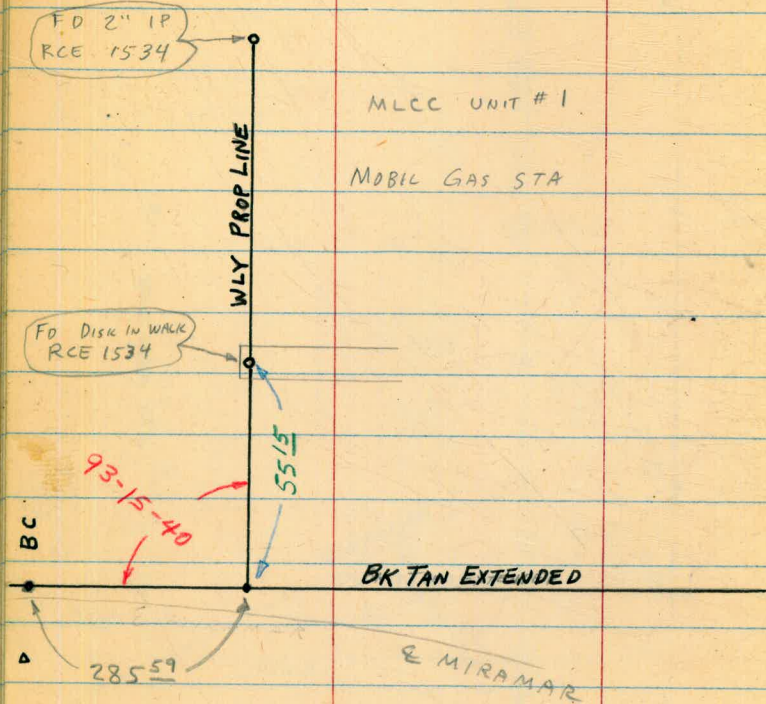
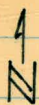
WLY PROP LINE





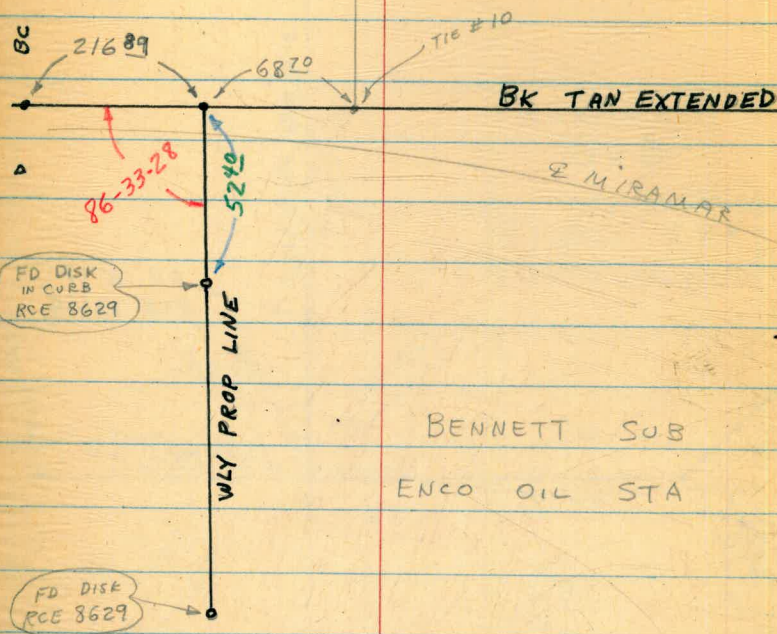
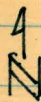
(25)

TIE # 10  
2-4-72



(26)

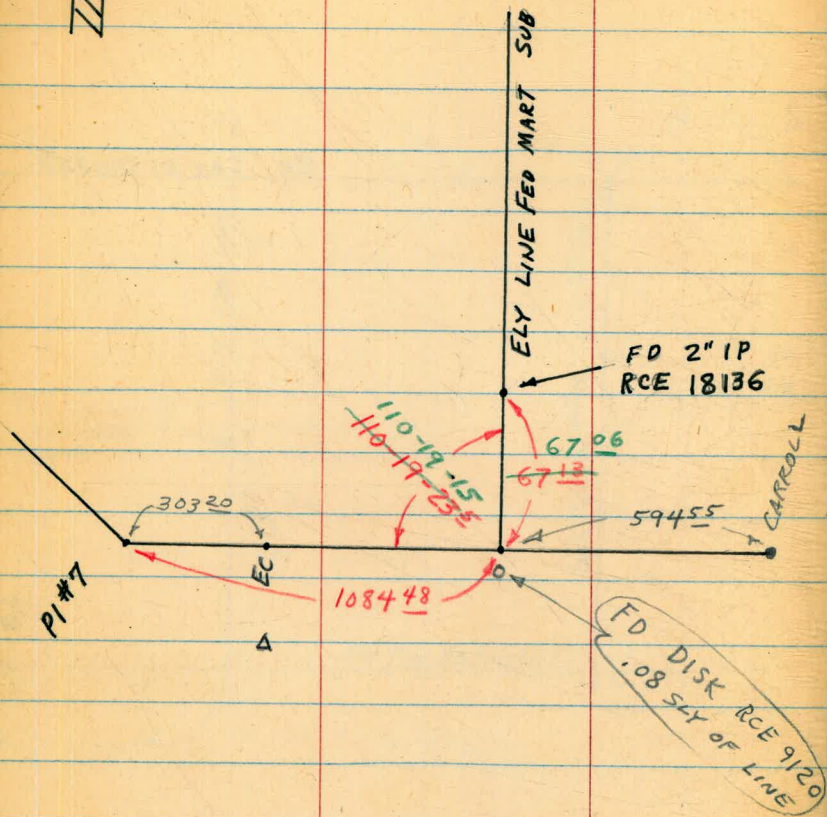
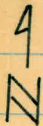
TIE # 11  
2-4-72



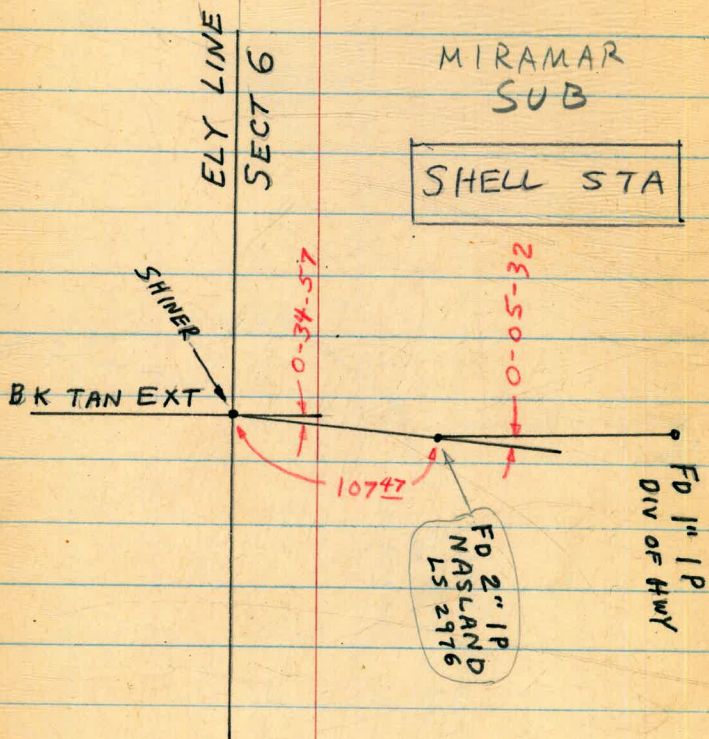
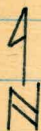


(27)

TIES TO  
FED MART  
SUB  
1-24-72



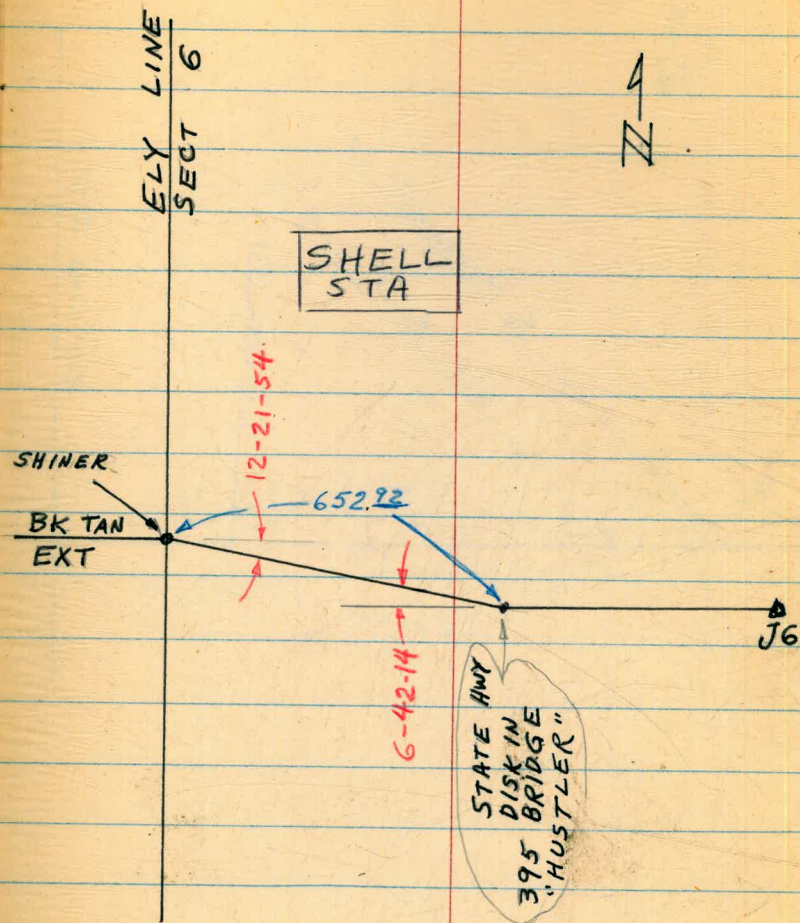
TIE TO SHELL STA (28)  
SLY PROP LINE





29

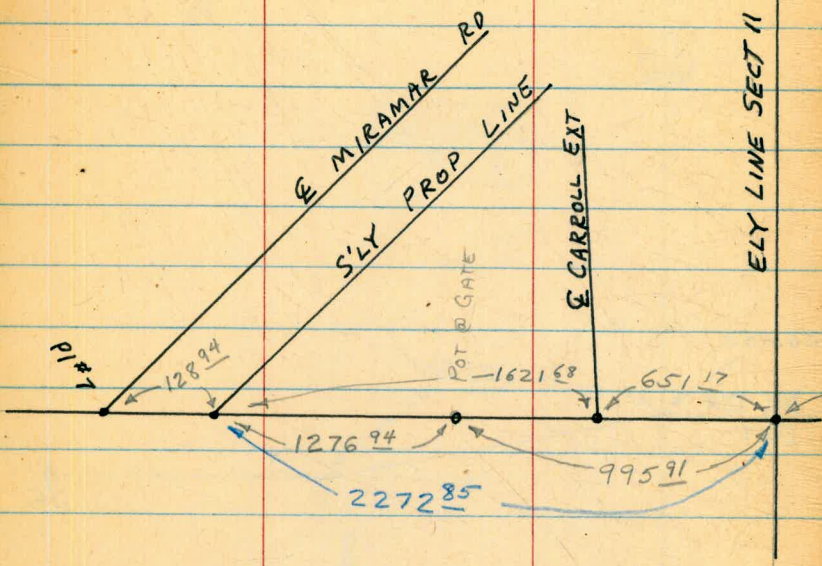
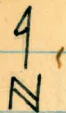
TIE TO STATE HIGHWAY DISK (30)  
ON NLY SIDE 395 BRIDGE.  
"HUSTLER"





31

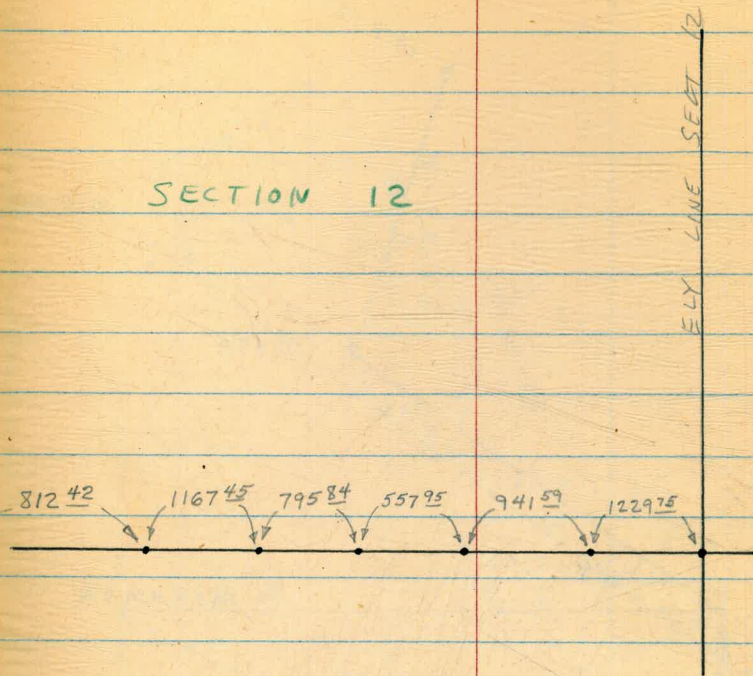
OLD MIRAMAR RD, PI#7



32

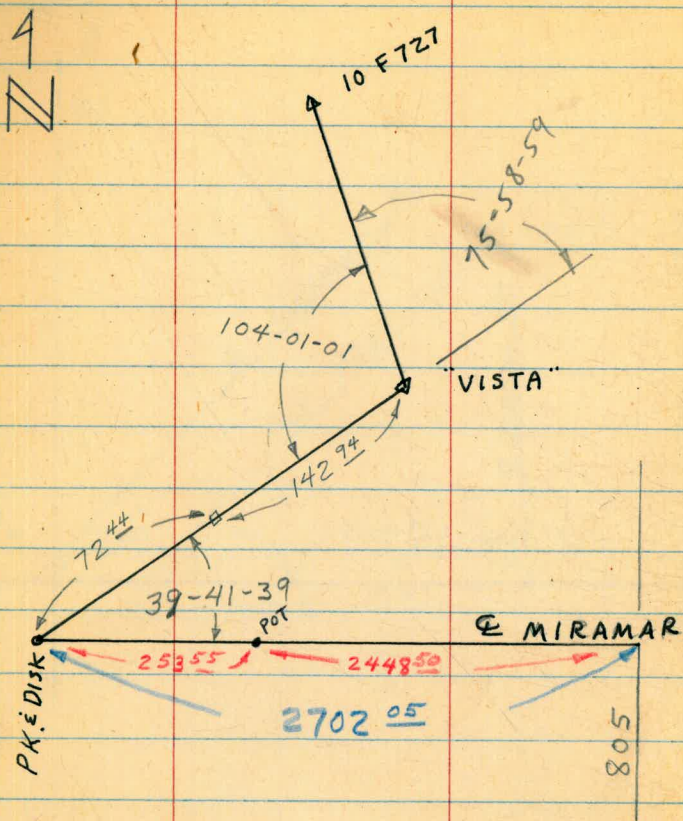
ELY TO E LINE SECTION 12

SECTION 12



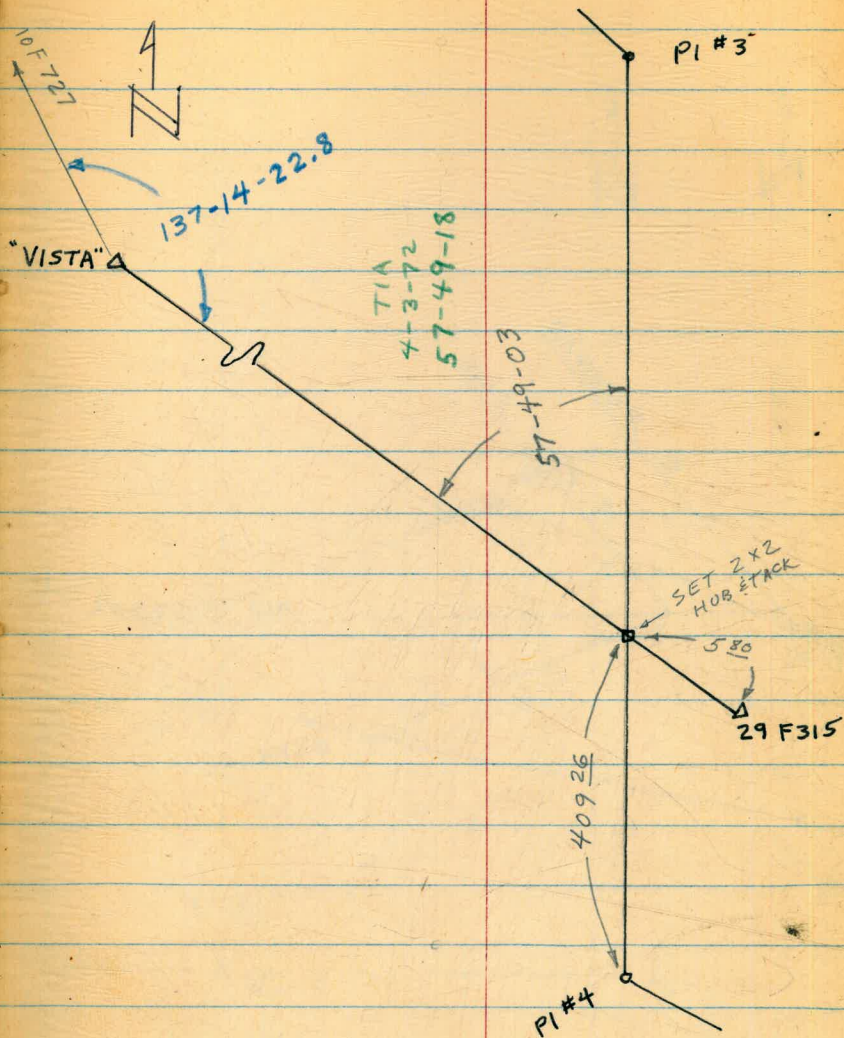


(33) TIE TO PK & DISK WLY MIRAMAR  
 ELY OF POLICE STA  
 2-9-72



142.94  
 72.44  
 ---  
 215.38

(34) TIE BTWN PI #3 & PI #4 TO  
 LINE BTWN VISTA & 29 F315

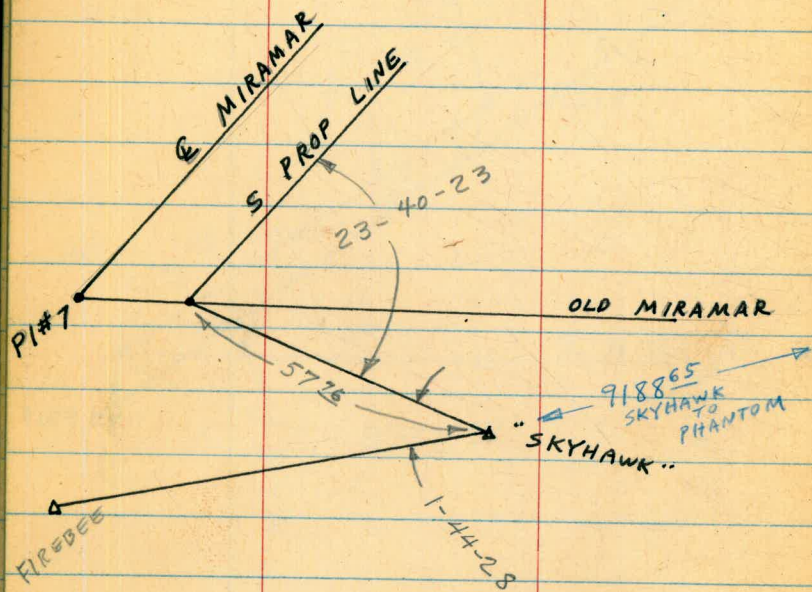
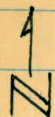


TIA  
 4-3-72  
 57-49-18



35

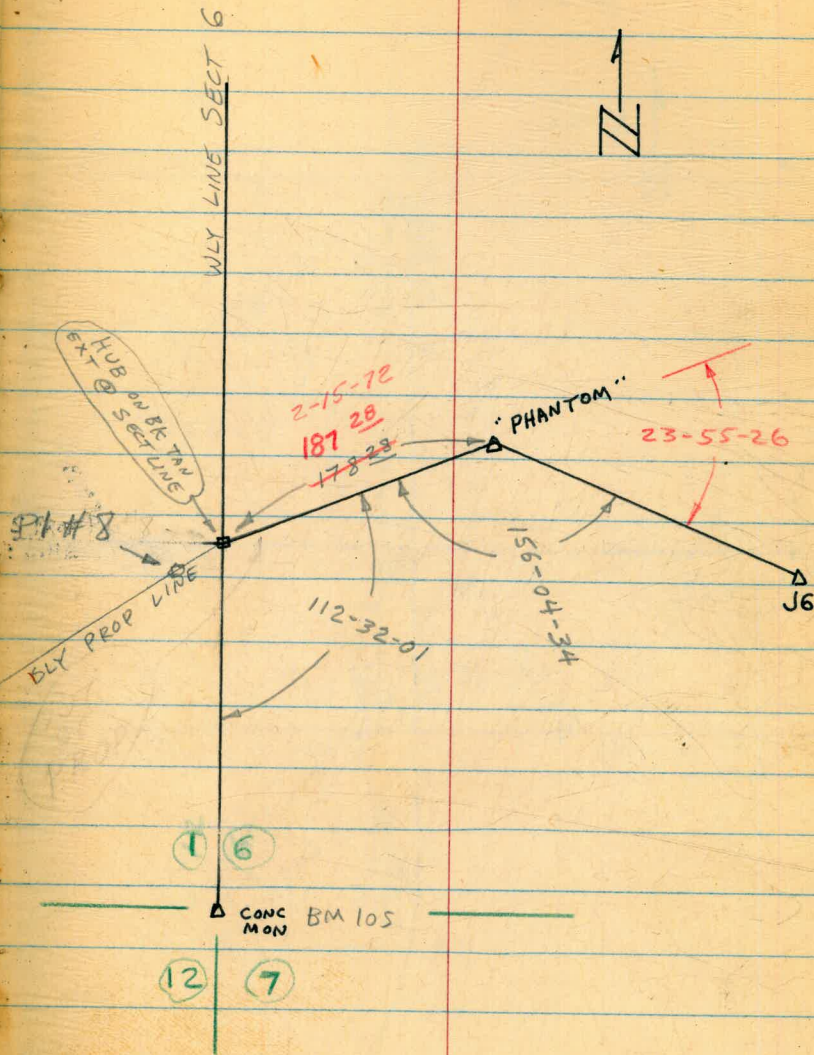
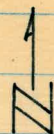
TIE TO SKYHAWK  
2-9-72



$$\begin{array}{r} 2 \\ 23-40-23 \\ 22-49-14 \\ \hline 0-51-09 \end{array}$$

36

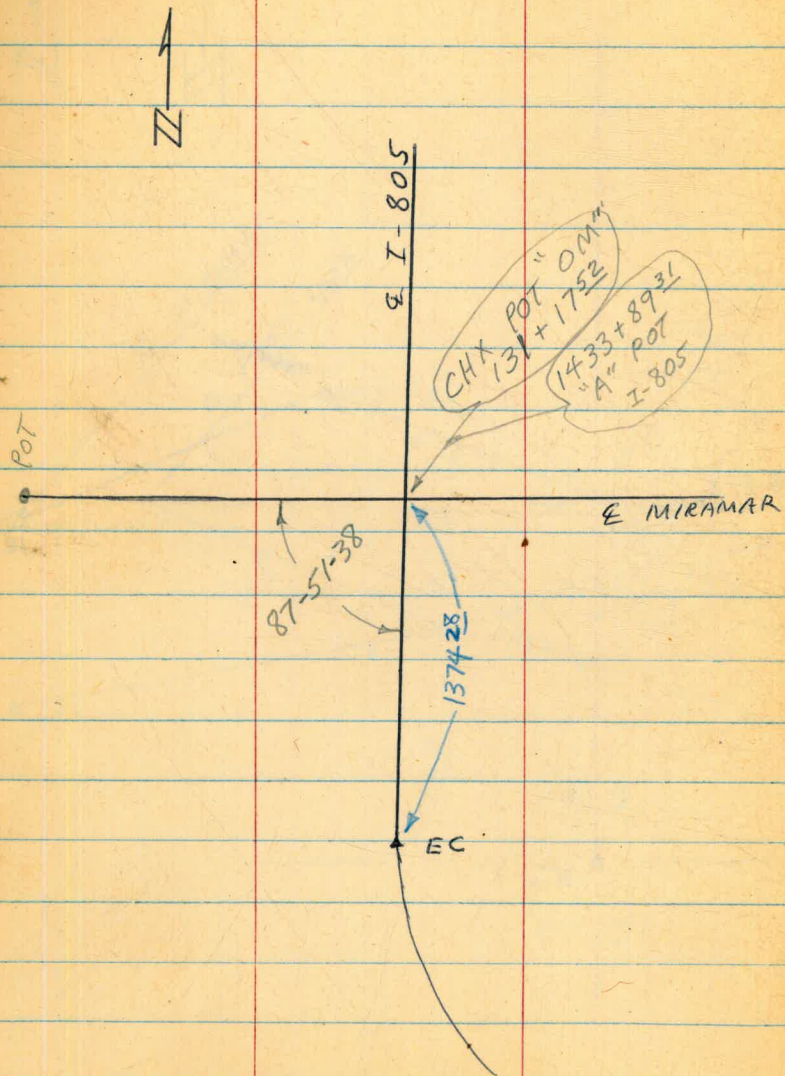
TIE TO PHANTOM  
2-9-72



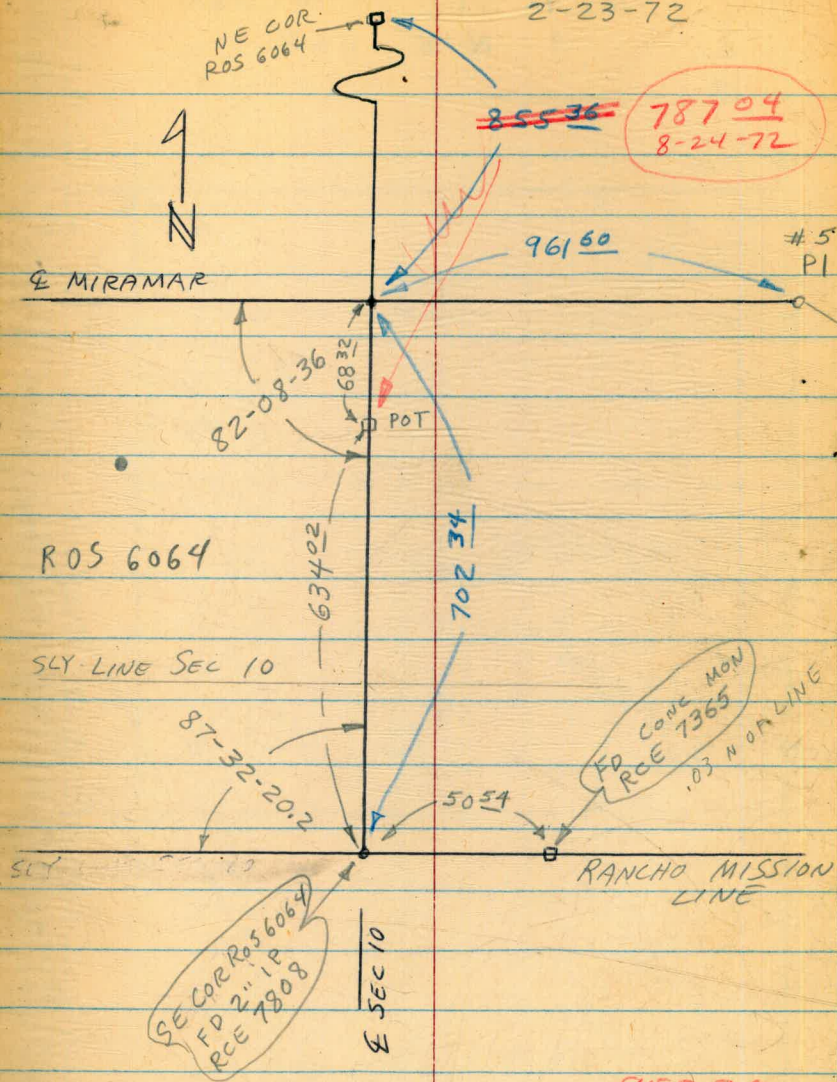
16  
 127



(37) TIE TO I-805  
2-23-72



TIE TO CTR SEC 10  
ELY LINE ROS 6064 (38)  
2-23-72



855.36  
68.32  
787.04

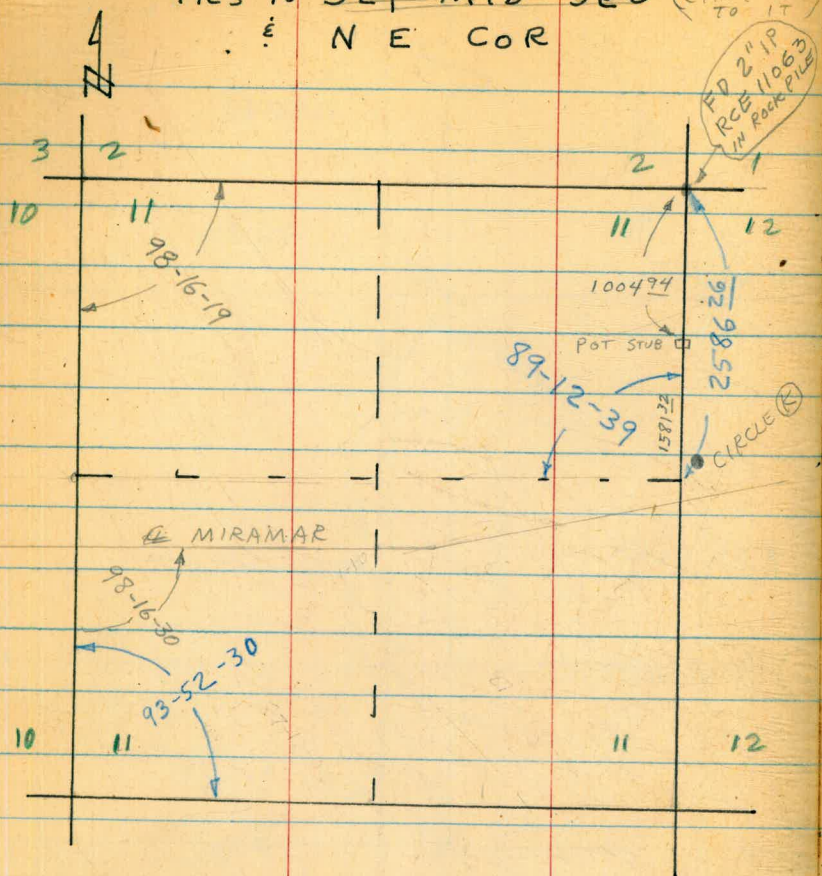


2-29-72

(39)

SECTION 11

TIES TO SLY MID SEC (CANT GET TO IT)  
NE COR

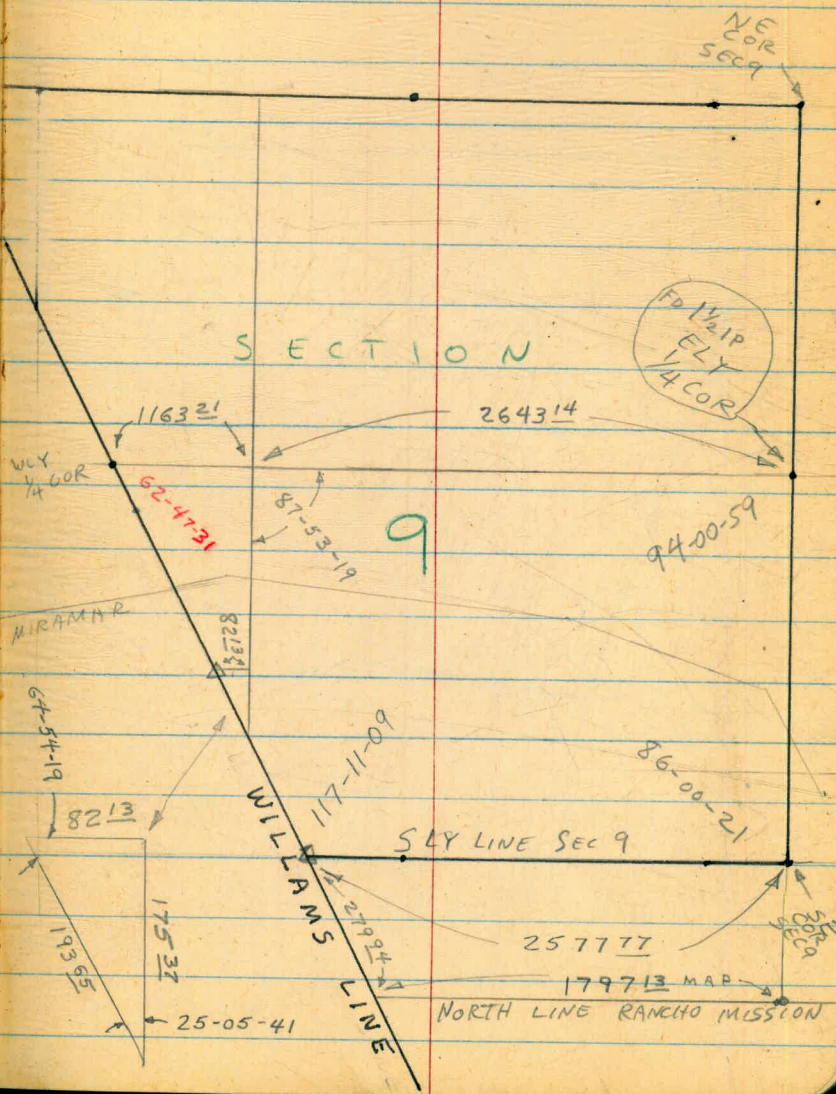


1581.32  
 1004.94  
 2586.26

2-29-72

SECTION 9

(40)



NORTH LINE RANCHO MISSION

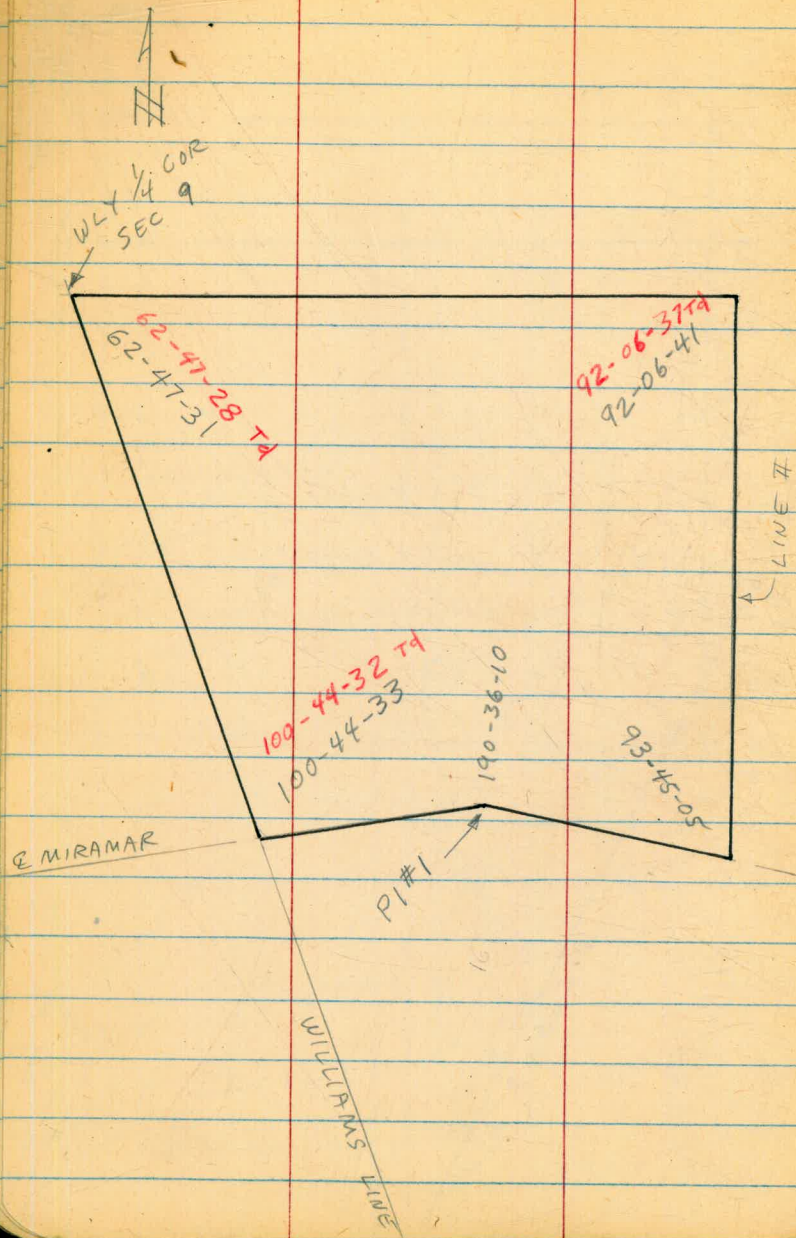


41

# ADJUSTED ANGLES @ WILLIAMS LINE

3-1-72

42





(43)

# TRAVERSE OF

3-2-72

# CONTROL POINTS

(44)

16

10F727

VISTA Δ

137-14-23

172-56-43

29F315

333769

Boxcar

213698

RR BRIDGE

FIRE BEE

270606

445785

918865

472079

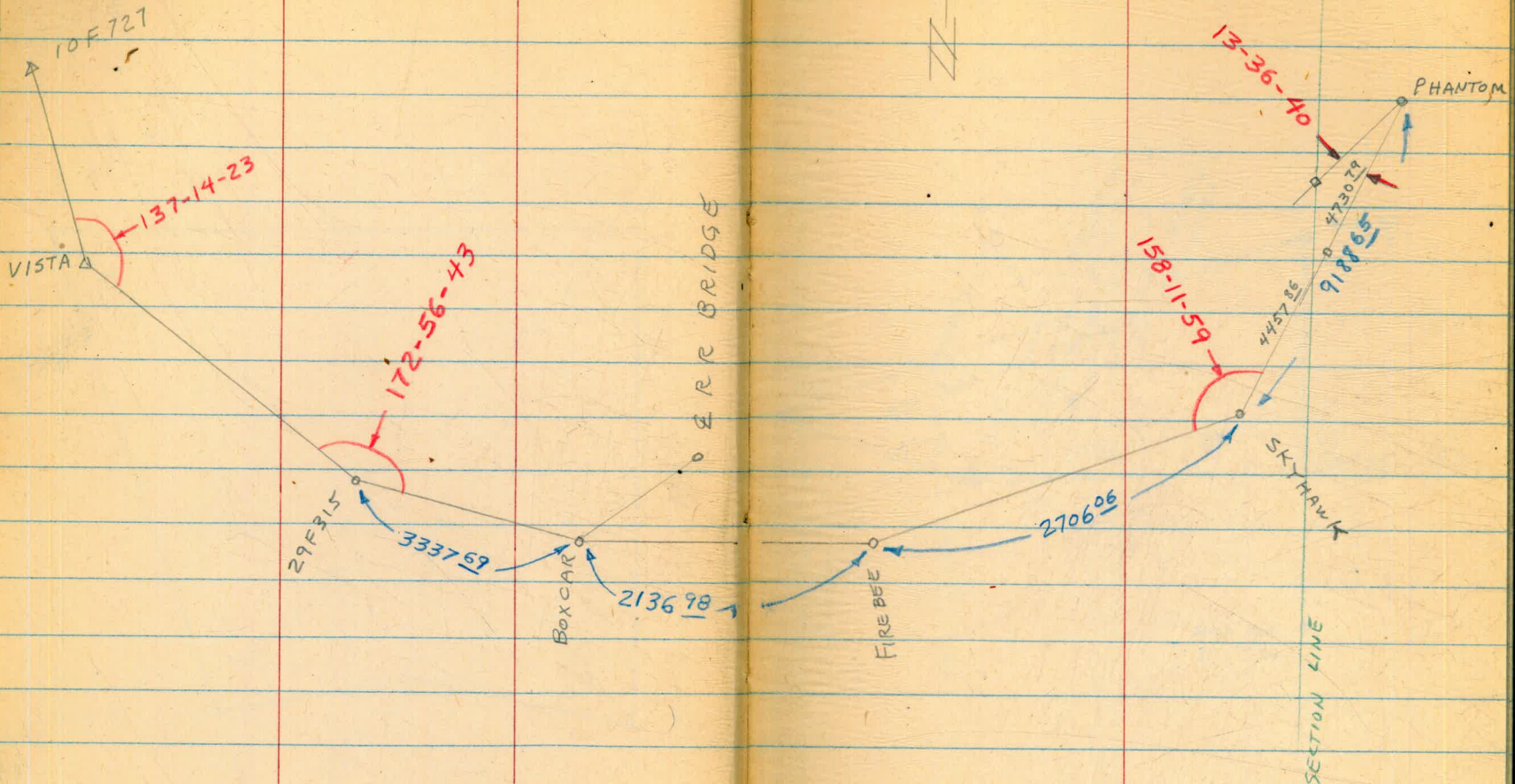
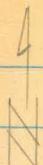
158-11-59

13-36-40

PHANTOM

SKYHAWK

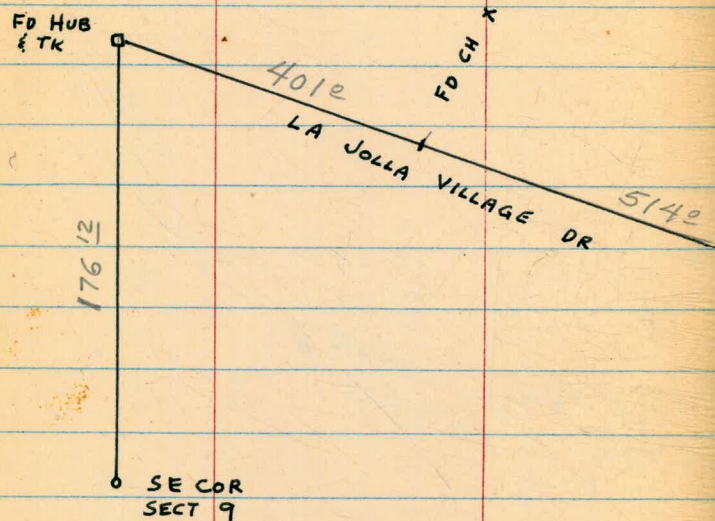
SECTION LINE





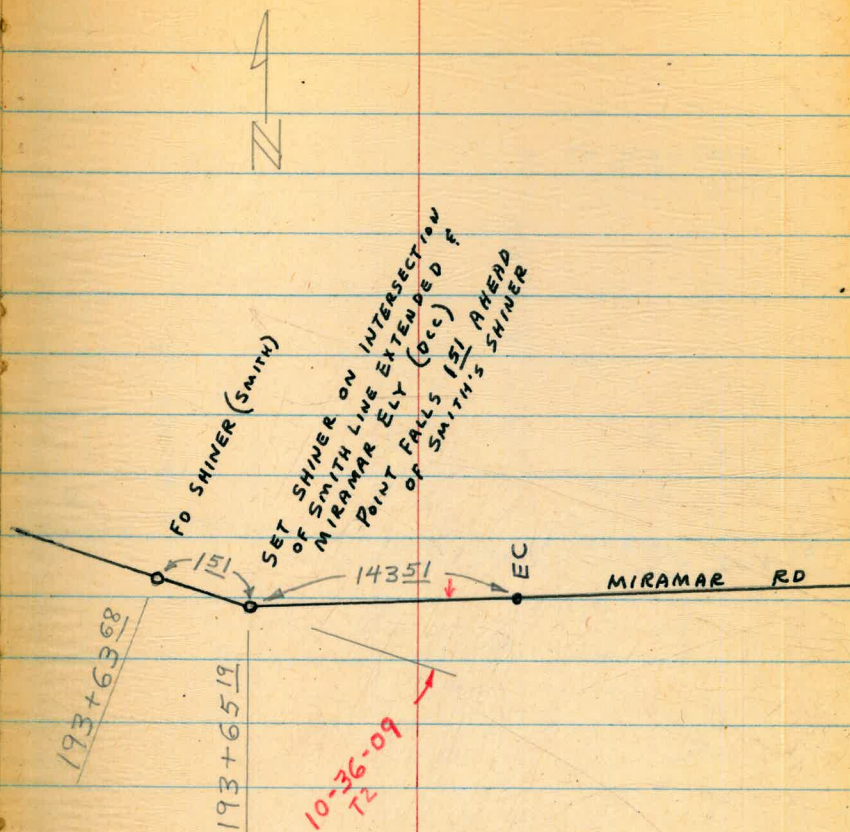
45

INTERSECTION OF SMITH'S  
LINE AND CHIPMAN'S LINE  
IN VICINITY OF P1#4  
3-2-72



46

LINE AND CHIPMAN'S LINE

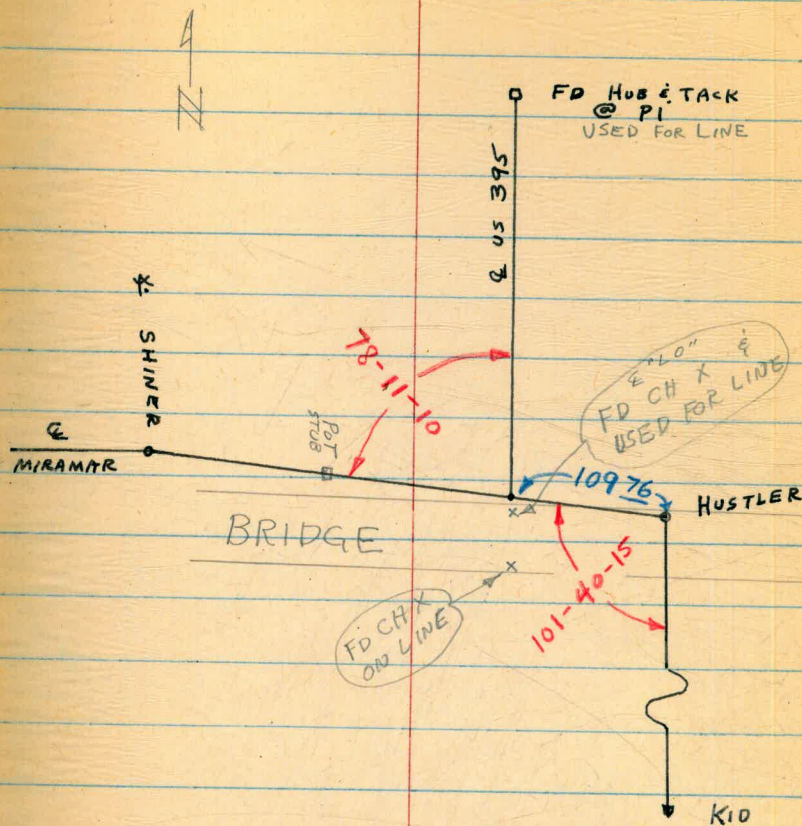




(47)

INTERSECTION & TIES TO US 395  
3-6-72

(48)

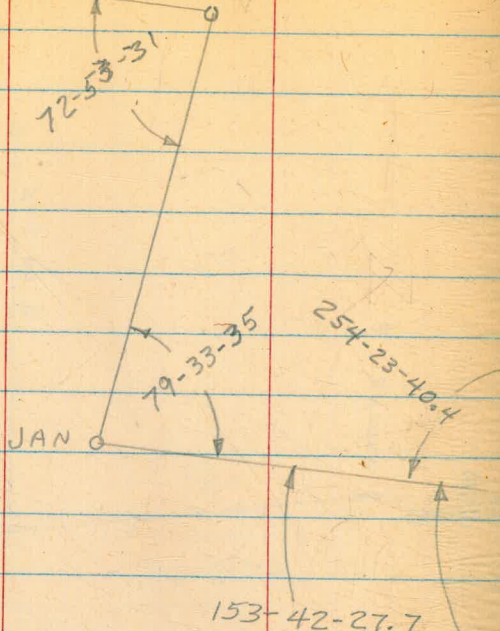




(49)

VISTA

29F315



359-59-60  
 313-40-45  
 46-19-15

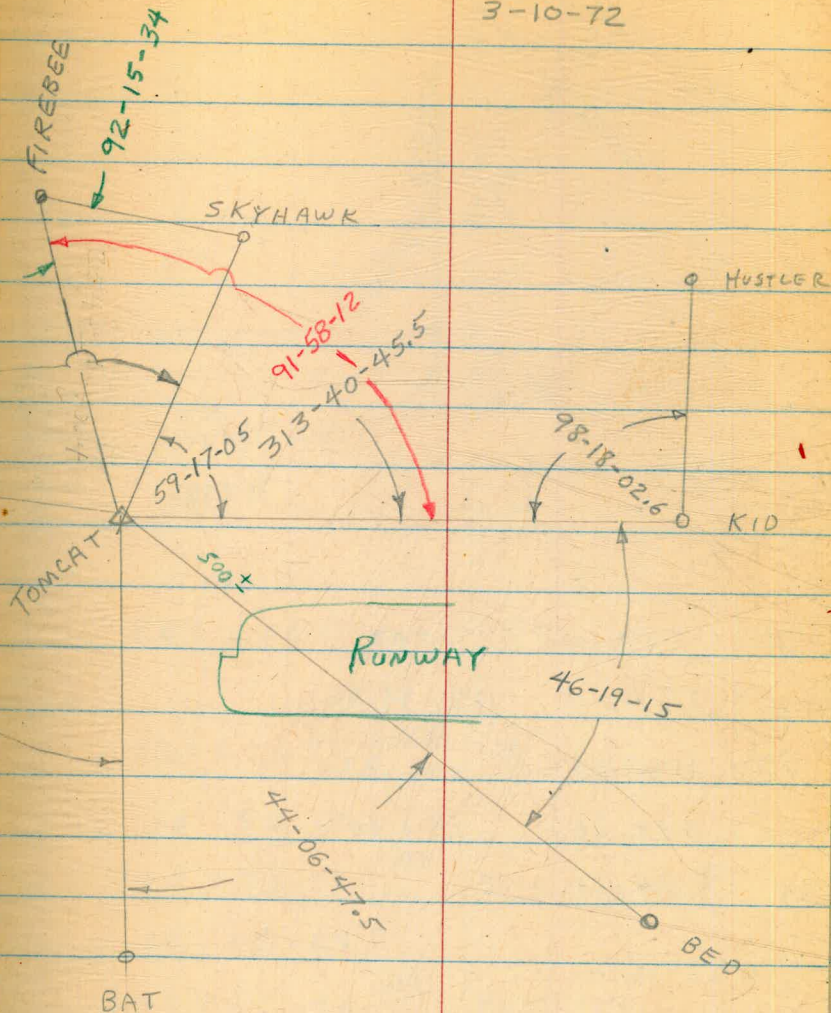
153-42-27.7  
 44-06-47.5  
 109-35.40.2

313-40-45.5  
 254-23-40.4  
 59-17-05.1

ANGLES AT "TOMCAT"  
 WLY END MIRAMAR RUNWAY

(50)

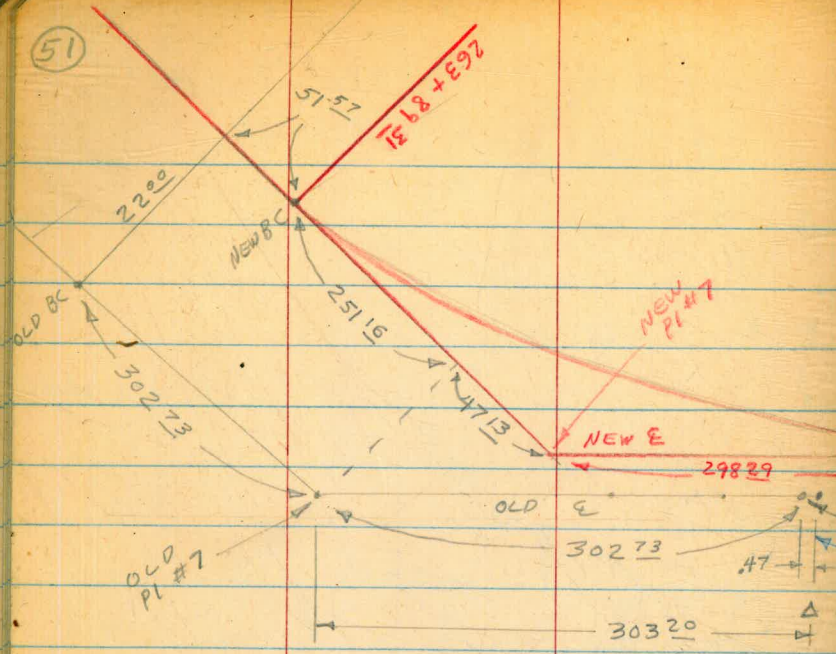
3-10-72



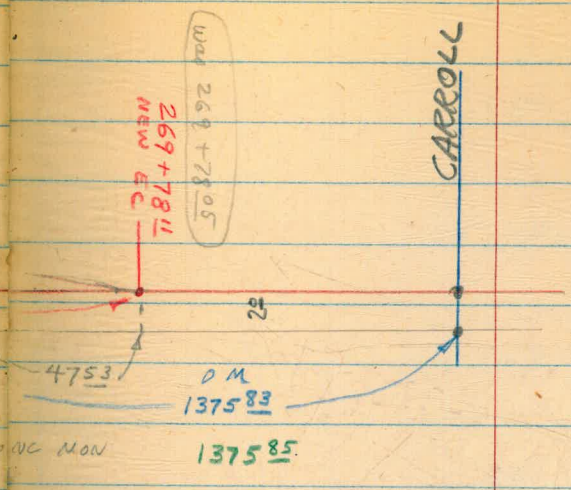
BAT

BED





$R = 1478.00$        $1500$   
 $\Delta = 22-49-14$      $22-49-36$   
 $T = 298.29$          $302.82$   
 $L = 588.68$          $597.60$   
 $LC = 584.79$



$269 + 78.13$       EC  
 $283 + 06.84$     CH. 62      E CARROLL RD  
 $10 \ 42.60$   
 $293 + 49.48$     (39)      SECT LINE @ (K)  
 $16 \ 08.54$   
 $309 + 57.96$     (82)      A M LEWIS  
                          POT  $309 + 57.96$   
 $7 \ 76.21$   
 $317 + 34.17$       POT  $317 +$   
 $11 \ 61.02$   
 $328 + 95.19$       POT  $328 + 95.20$



(53)

~~328 + 95.19 POT~~

11 26.57

~~340 + 21.76 POT~~

13 15.43

~~353 + 37.19 BC~~

~~362 + 22.65 EC~~

9 72.63

~~371 + 95.28 POT~~

13 53.58

~~385 + 48.86 POT GR SEC 6~~

21 85.88

~~407 + 34.74 BC~~

(34.00)

(54)

328 + 95.20

340 + 21.65

353 + 37.03

362 + 22.49

371 + 95.06

385 + 48.64

407 + 34.52



55

EC 235+3076

$R = 1078.00$   
 $\Delta = 21-00-35$   
 $T = 199.89$   
 $L = 395.29$   
 $LC = 393.08$

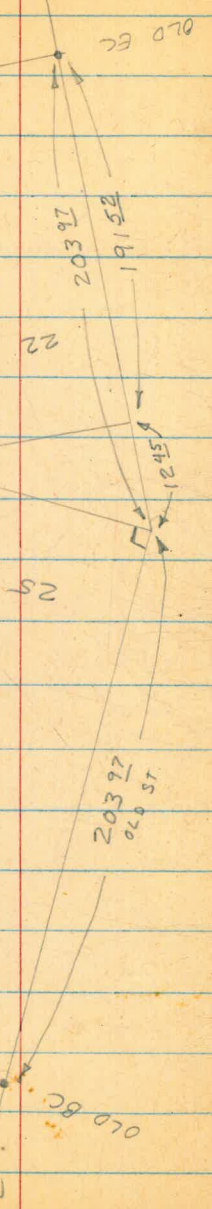
NEW PI

FRAZEE'S

OLD PI #6

BC 231+3547

NEW E



56

EC 269+7811

$R = 1478.00$   
 $\Delta = 22-49-14$   
 $T = 298.29$   
 $L = 588.68$   
 $LC = 584.79$

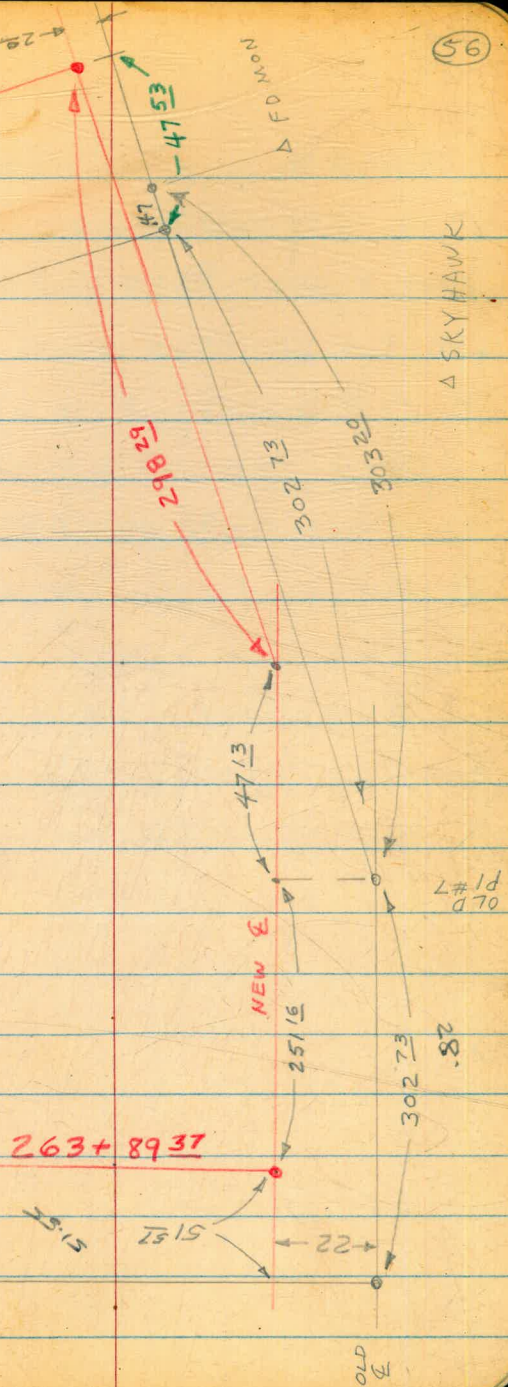
NEW PI

SKY HAWK

NEW E

BC 263+8937

NEW E





(57)

4-6-72 UPON SETTING X ON E  
STA 309+57<sup>96</sup> AND DOUBLE CENTERING  
EAST & WEST THIS POINT WAS FOUND TO BE  
.14 SLY OF TRUE LINE BETWEEN PI #7  
& PI #8.

UPON SETTING X ON SLY PROP LINE  
ON SAME STA. THIS HUB WAS FOUND TO BE  
.11 SLY OF TRUE LINE BETWEEN FD MONS  
TO EAST (BC) & WEST (EC)

BOTH POINTS WERE RESET .12 NLY  
AND ALL INTERMEDIATE POTS WERE  
RESET ACCORDINGLY

(58)

ELY LINE SECT 11 X E MIRAMAR  
RESET .09 NLY & .06 ELY  
NEW STA = 293+49<sup>48</sup>

E CARROLL RD X E MIRAMAR  
RESET .10 NLY & .02 ELY  
NEW STA = 283+06<sup>84</sup>



59

FIREBEE

92-20-34  
4-7-72

2519 41  
4-7-72

4-7-72  
158-09-10

P1# 7

TOMCAT

60

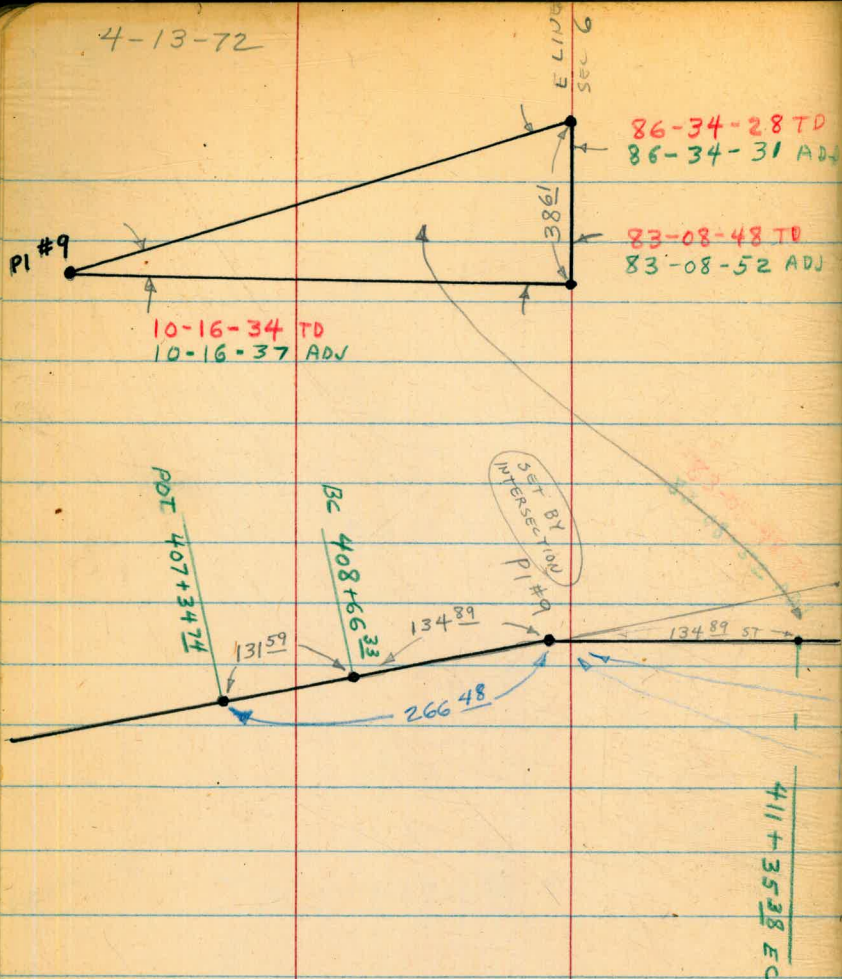
P1# 8

146-13-16  
4-7-72

179-49-60  
146-13-1  
33-46-4

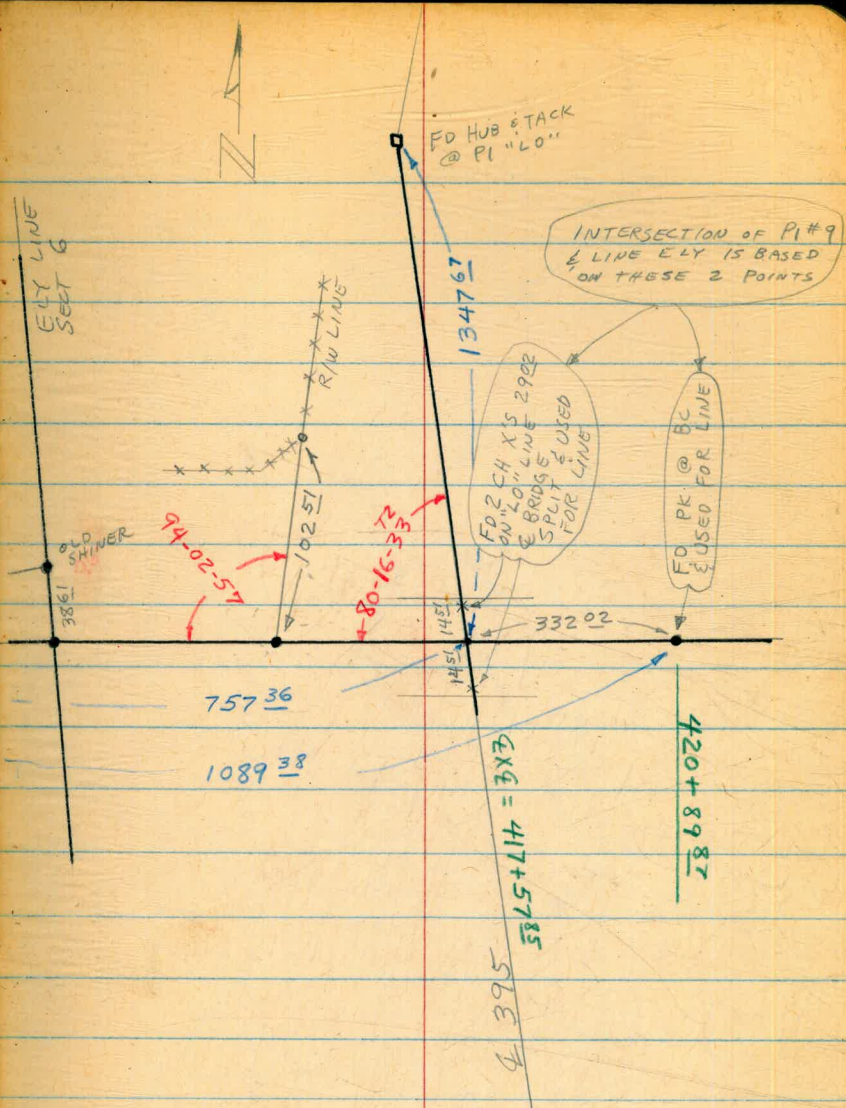


4-13-72



$L = 269.05$

$ST = 13489$



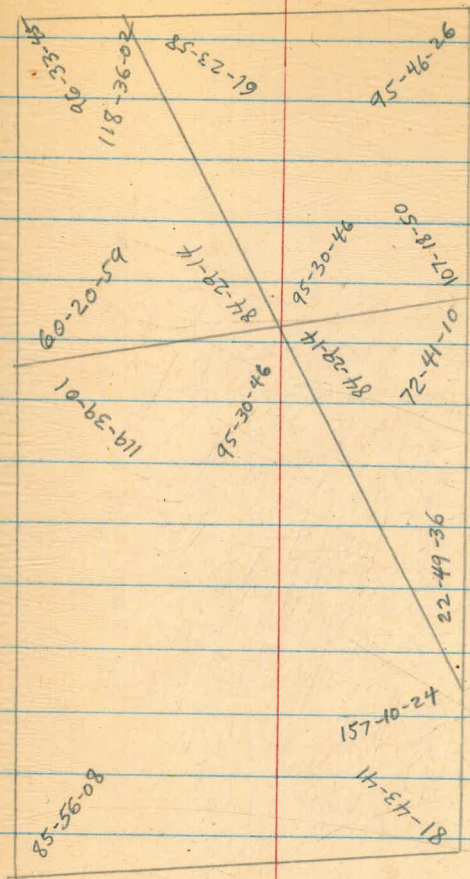
INTERSECTION OF PI #9  
& LINE ELY IS BASED  
ON THESE 2 POINTS

FD 2 CH X 5  
ON "LO" LINE 2902  
& BRIDGE  
SPLIT & USED  
FOR LINE

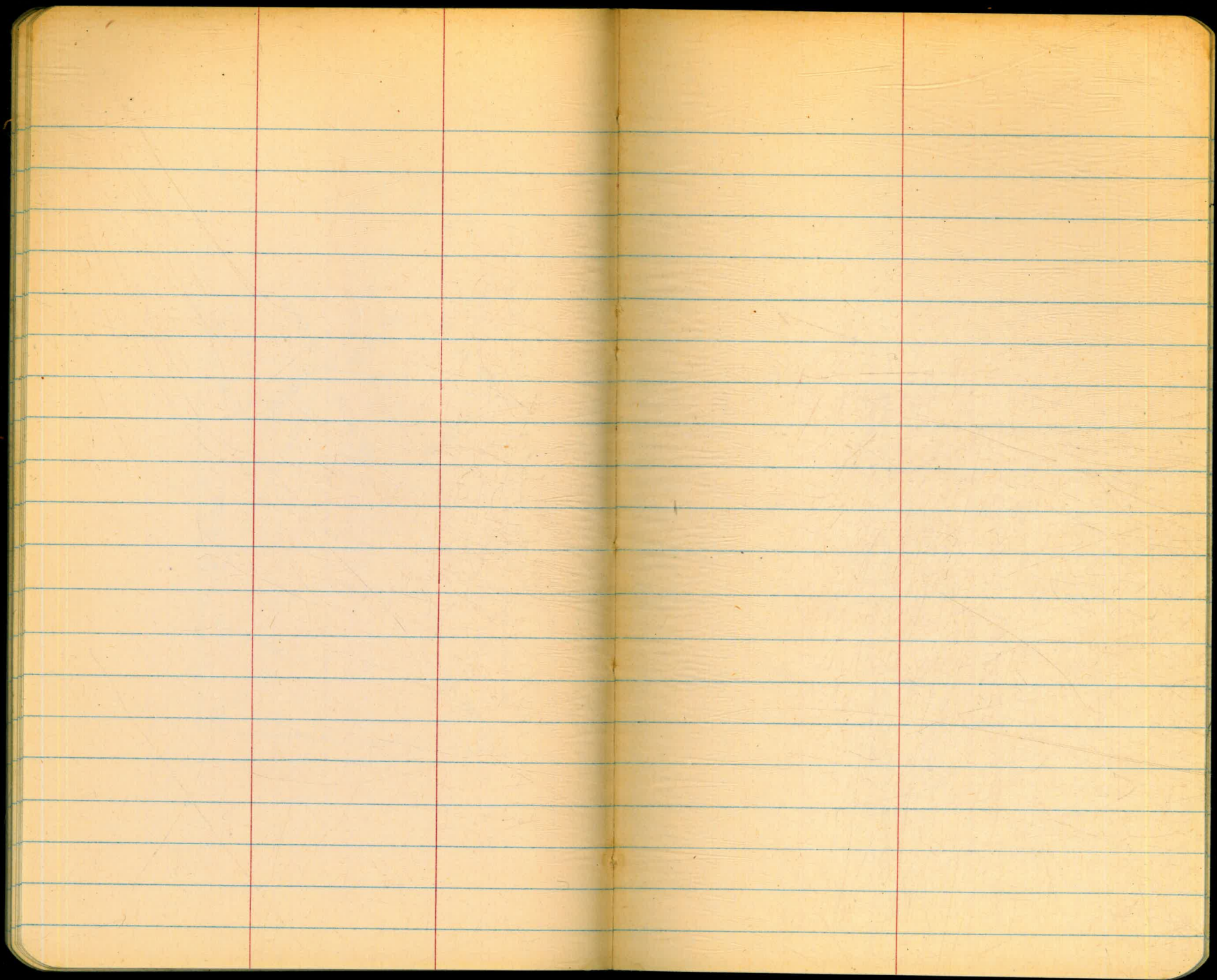
FD PK @ BC  
& USED FOR LINE

$420 + 8987$   
 $420 + 8987$   
 $4395$   
 $420 + 8987$   
 $4395 = 417 + 5785$







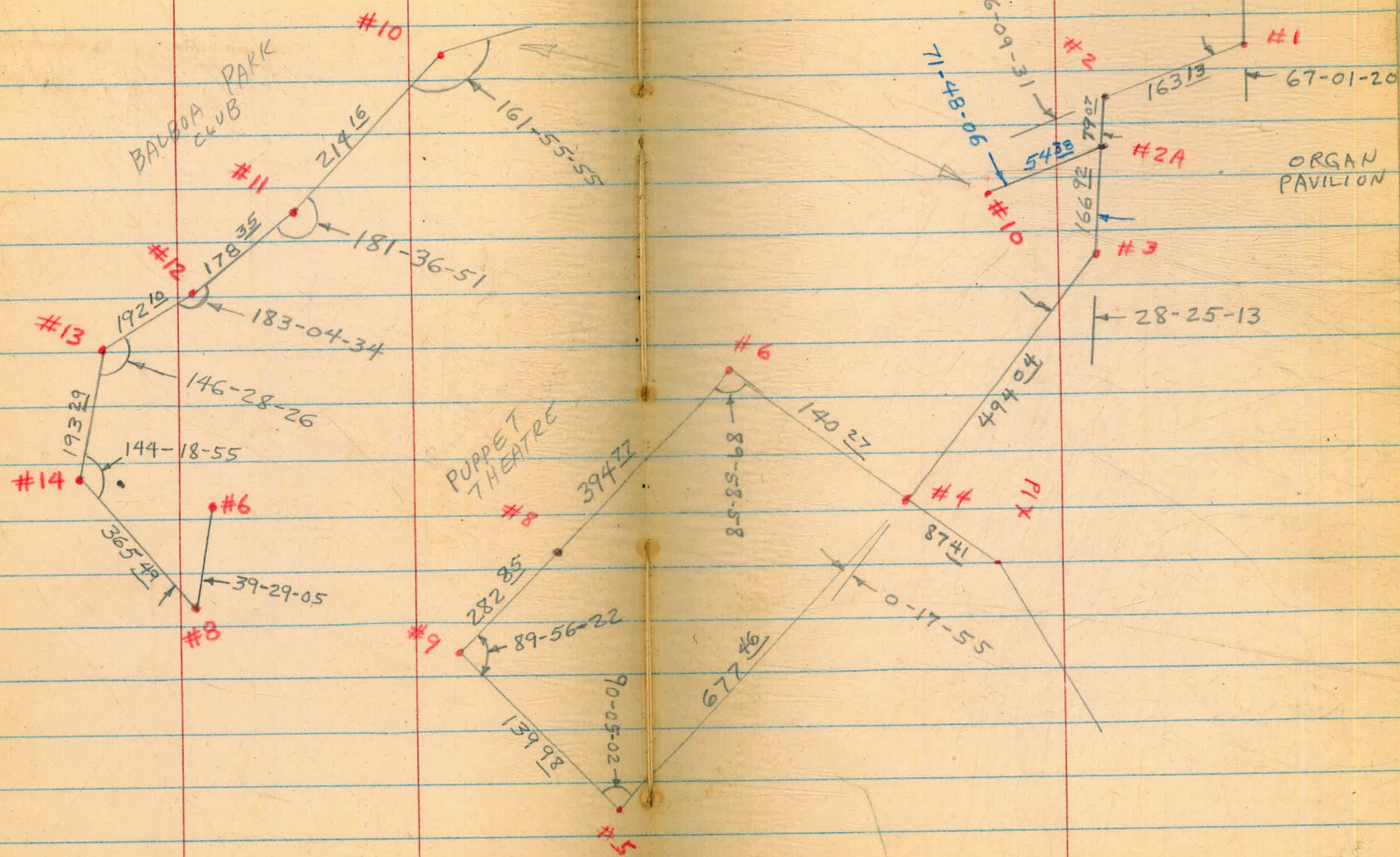




BALBOA PARK TIE POINTS  
5-26-72

EL PRADO NLY LINE

EL PRADO



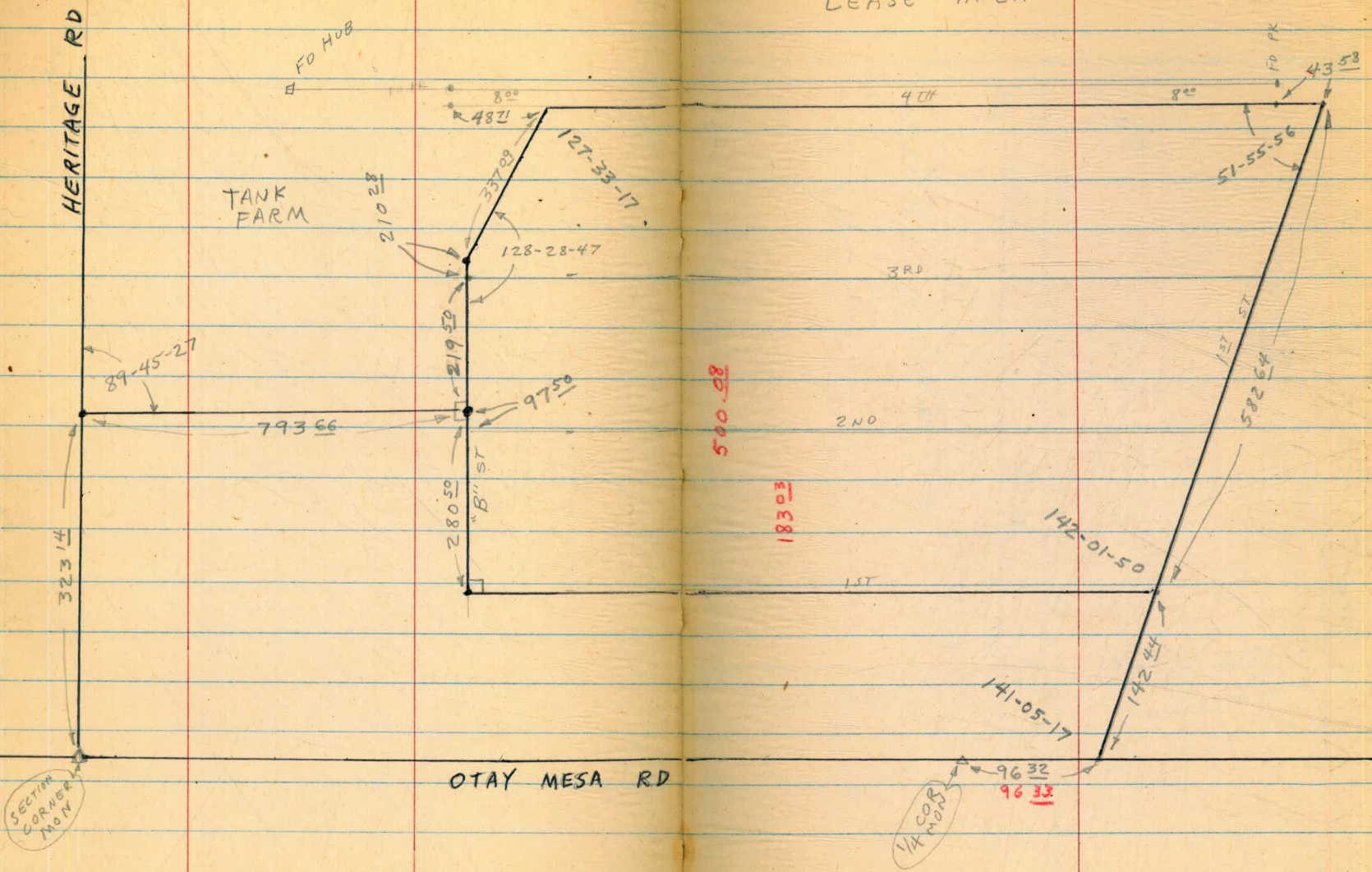


BROWN FIELD  
LEASES AND TIES  
6-6-72

TOWER



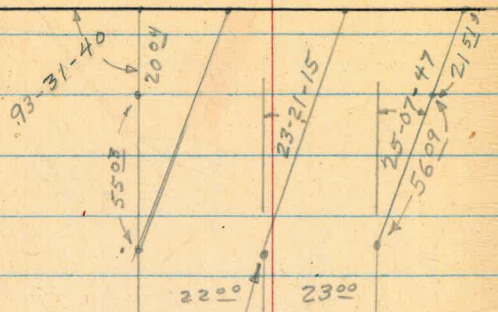
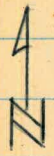
LEASE AREA





BROWN FIELD  
LEASES & TIES  
6-7-72

NEV LINE  
4TH ST



2200 2300



E 50' TAXIWAY

244.32

"B" ST

"C" ST

559.34

3RD ST

11103

100-26-16

431.39

194.49

D ST

2ND

1ST

"E" ST

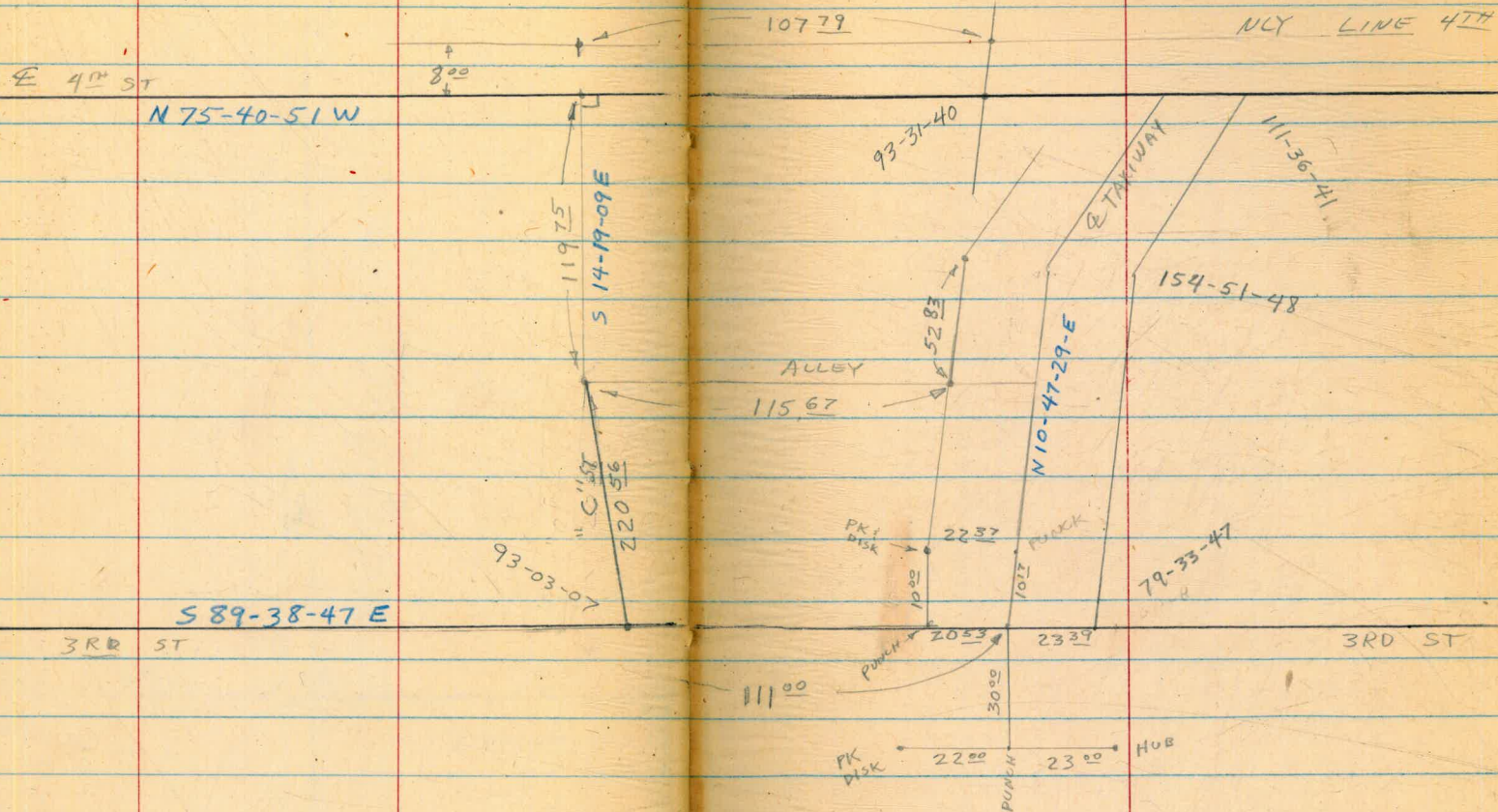
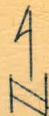
163.25

766.54

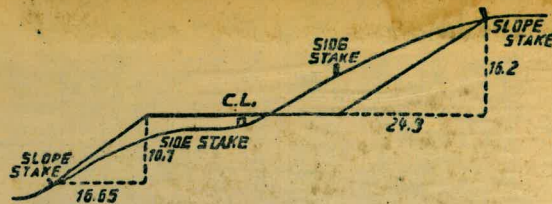
4TH



BROWN FIELD  
LEASES & TIES  
6-7-72







**DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.**

**SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH.**

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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