

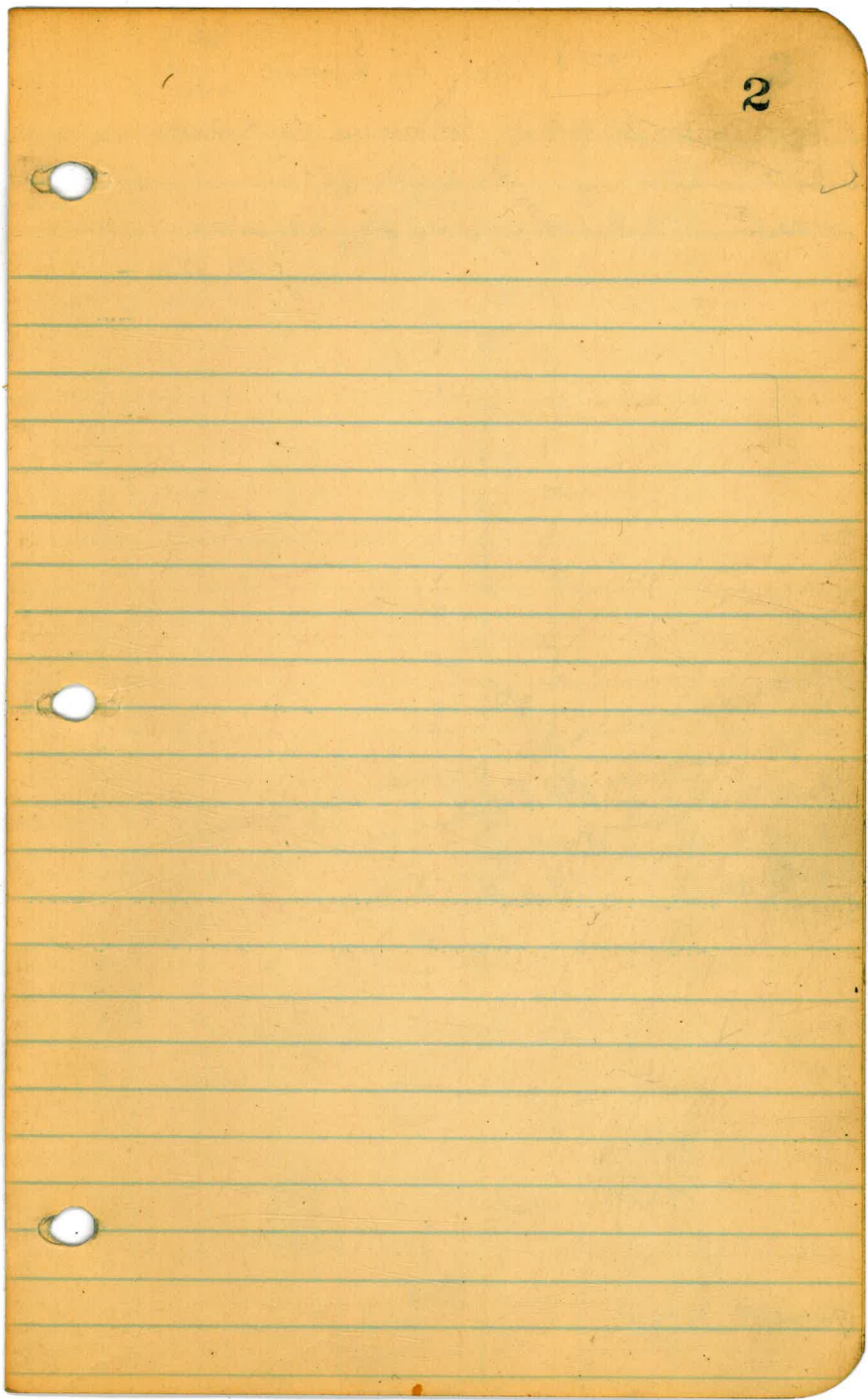
FB 259

## Index.

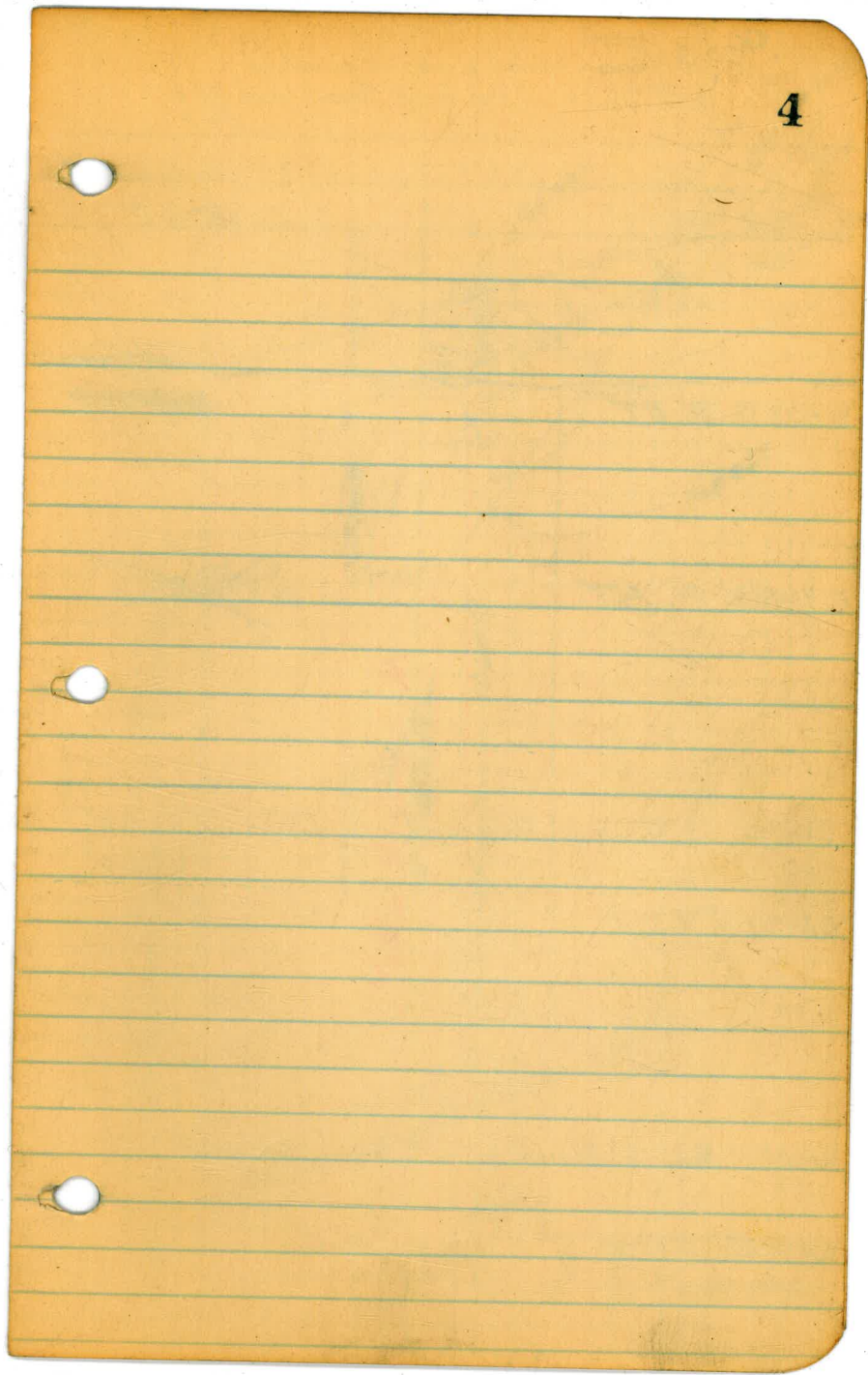
- Location of P/L from end  
of El Capitan line at Lakeside  
thru Benedict st. - to  
paved Ramona Road - to  
intersection north of  
Rickett's Ranch -  
Feb. - May 1928  
P. 3 Line 1 to 43
- Lake Hodges Notes to  
establish length of dam  
axis on 390 contour  
R.O.B. Aug. 9, '28 44-47
- Mission Valley - Sketch of gravel plant  
on 2<sup>nd</sup> property 48  
Mission Valley  
Lots 32 + 35 Rcho Ex Mission  
Relocation of Property  
Lines & Corners July '28 49-53
- San Pasqual Valley -  
Sand Mine survey E line  
R<sup>o</sup> Bernardo To S. Bdn. Meridian 54-86

R/W Notes - Lakeside -  
San Vicente

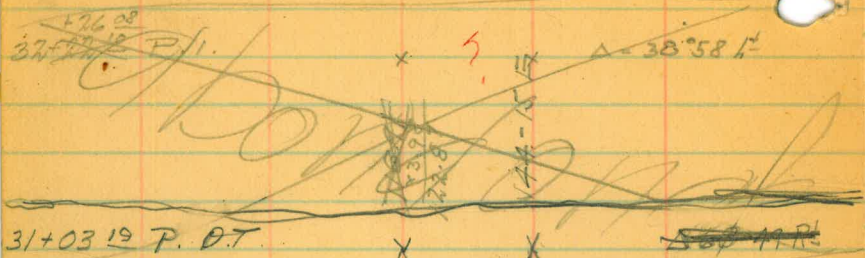








P3 line Woodbine - Benedict -  
 Pavement to Ricketts Ranch Sta 95 +  
 96 +



31+03.19 P.O.T.

29+48.21 P.O.T.

27+54 S. Bank of Present Main Channel

26+99.14 P.O.T.

24+87 South Bank of River Channel

20+27.88 P.O.T.

2948.21

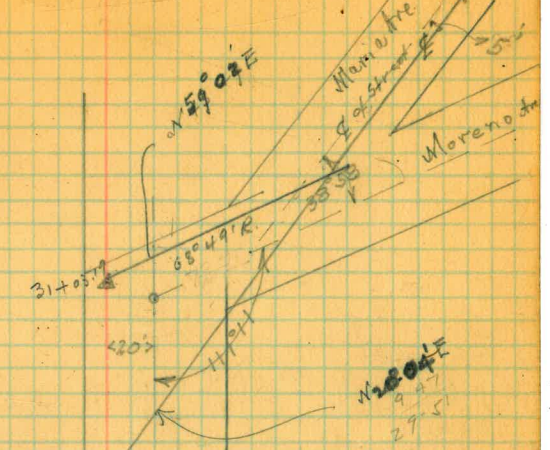
N 90° 47' 30\"/>

No Tower Poles in Riverbed

Wires still follow alignment 1.5' west of E. of Survey

POG  
 Lead  
 Simpson

5



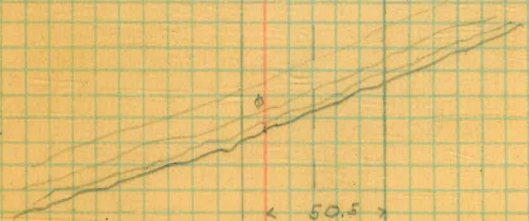
29+48.21

N 90° 47' 30\"/>

♀ Benedict An 106422

N 20° 47' 30\"/>

59-02  
 38-48  
 20-04

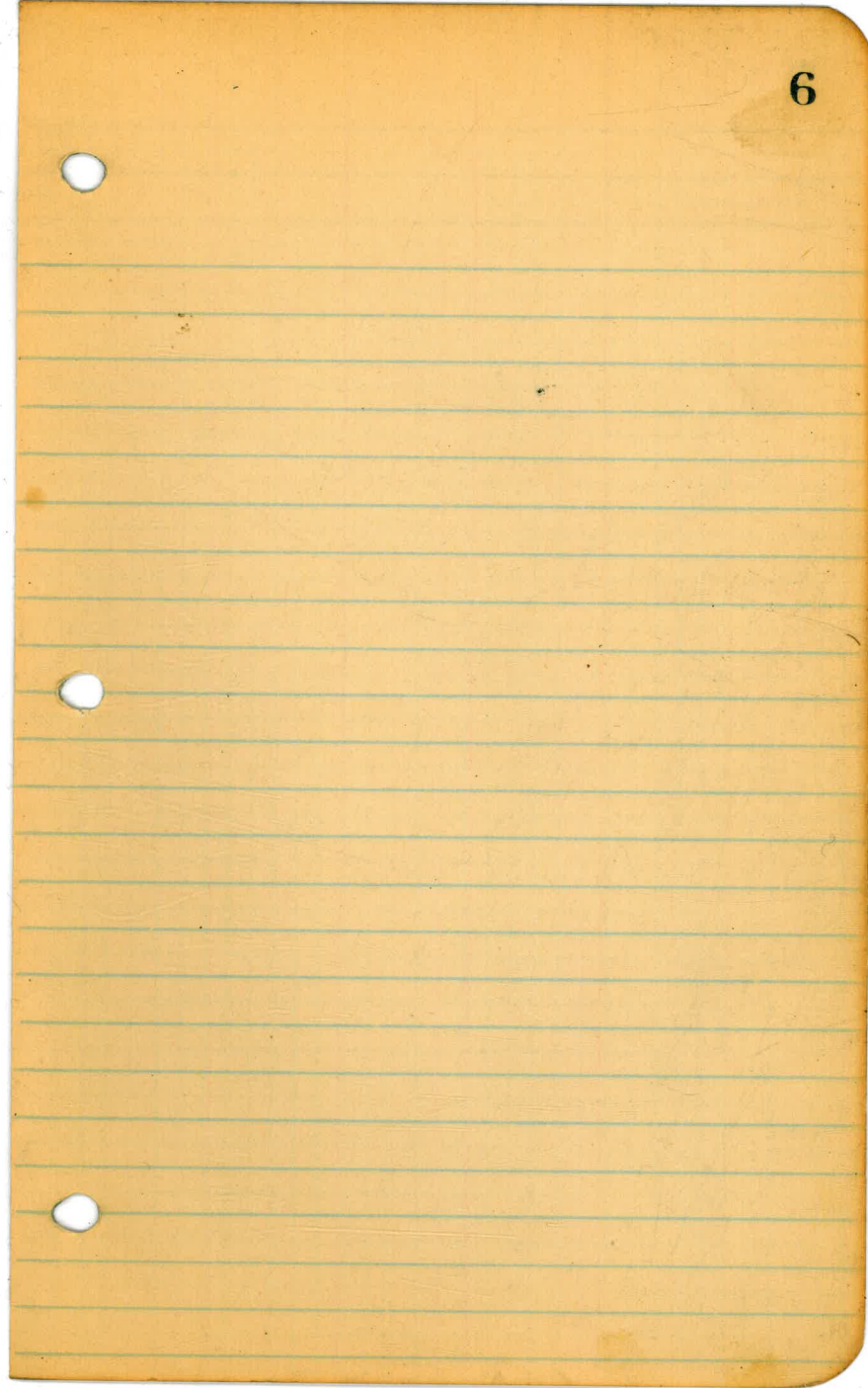


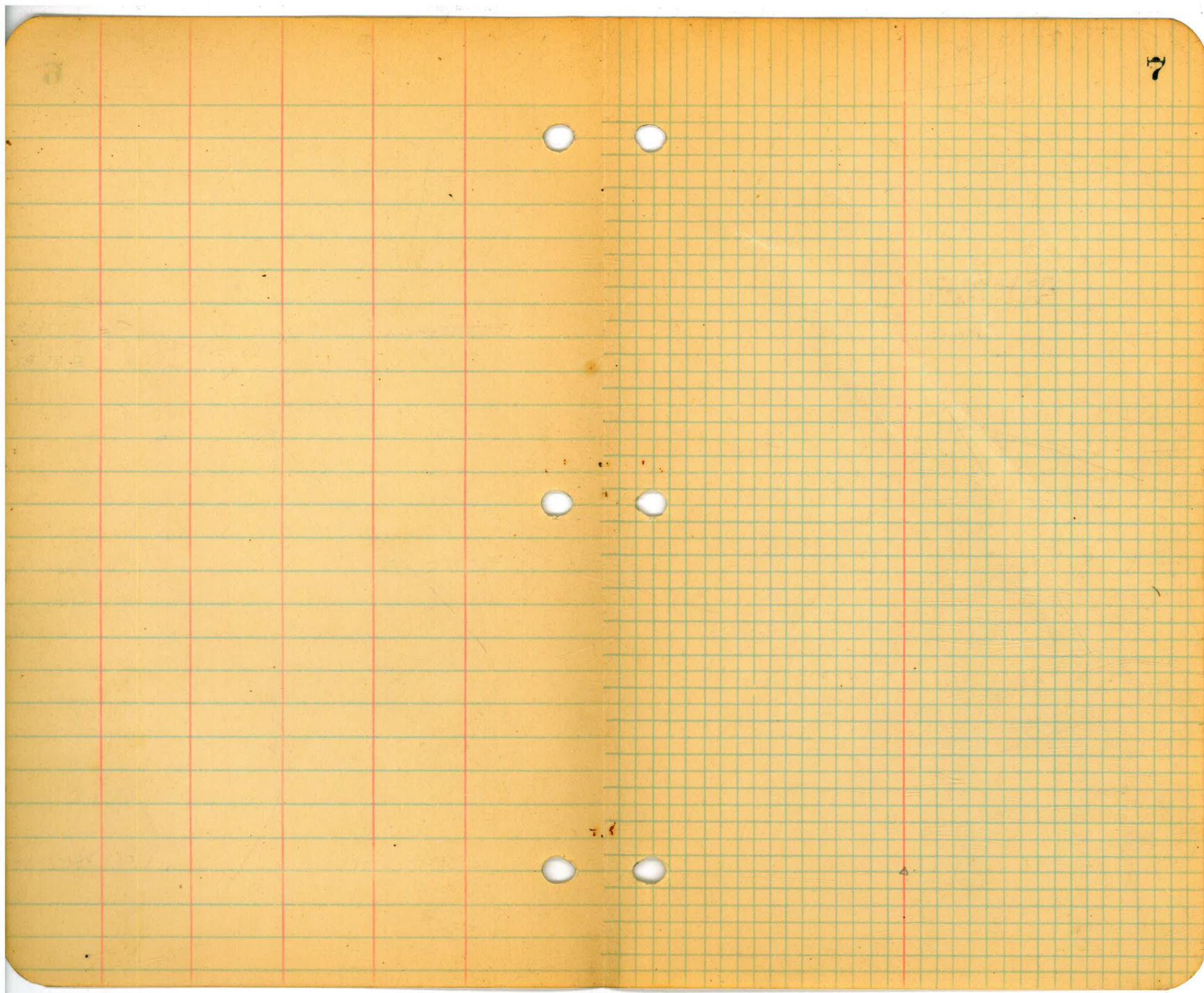
50.5

20

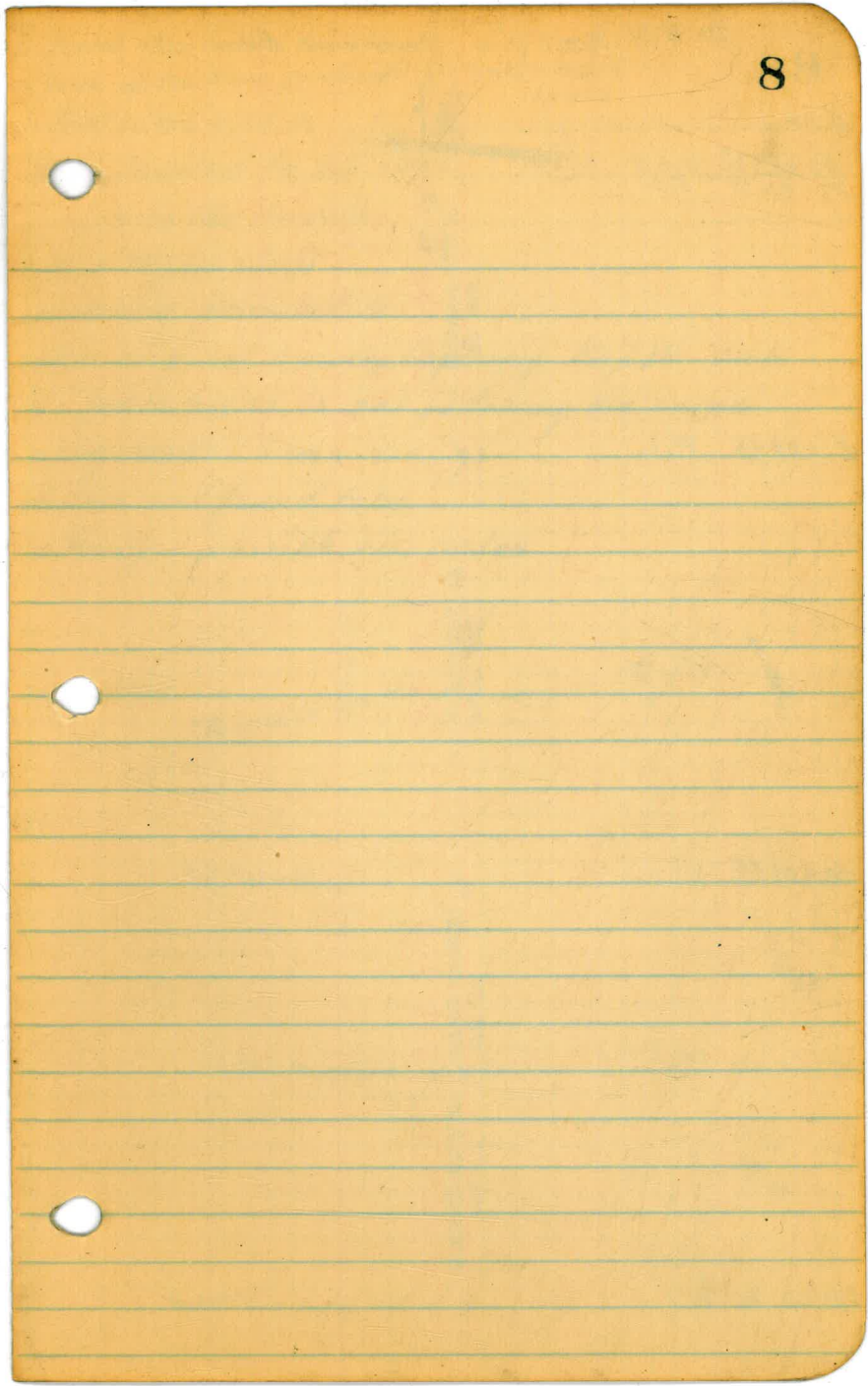
♀ Maple Ave.







2



P<sup>3</sup> line Via Benedict Ave.  
40 Woodbine

Sta.

82+83.38 P.O.T.  
82+83.38 F.C.

~~82+83.38~~  
= (82+83.38) - 20 = 63.38

73.96  
N 19° 03' 7 1/2" W  
N 19° 48' 30" W  
N 19° 02' 25" W

Beating 0.21  
Benedict Ave.  
L. S. V. Con. of. + 7.32

81+89.42 P.I.

X Δ = 10° L ±

340.02

340.02  
N 9° 05' 1/2" W  
N 9° 48' 30" W  
N 23° N

78+49.40 P.I.

X Δ = 15° L ±

98.75

98.75  
N 5° 56' 12 1/2" E  
N 5° 11' 30" E

77+50.65 P.I.

X Δ = 15° L ±

46.09

46.09  
N 20° 56' 42 1/2" E  
N 20° 11' 30" E

77+04.56 P.I.

X Δ = 15° 02' L ±

Note! this is the located  
line of Van Horn produced  
backward and is

May 7 - 78  
P.O.G.  
Leach  
Simpson

9

located to fit  
into the middle  
of a 10 foot strip  
running parallel to  
the original County Highway Prof. W. but  
as pavement is not following the same  
alignment  
it was not found to be  
always possible. *visi notes*

of located  
line

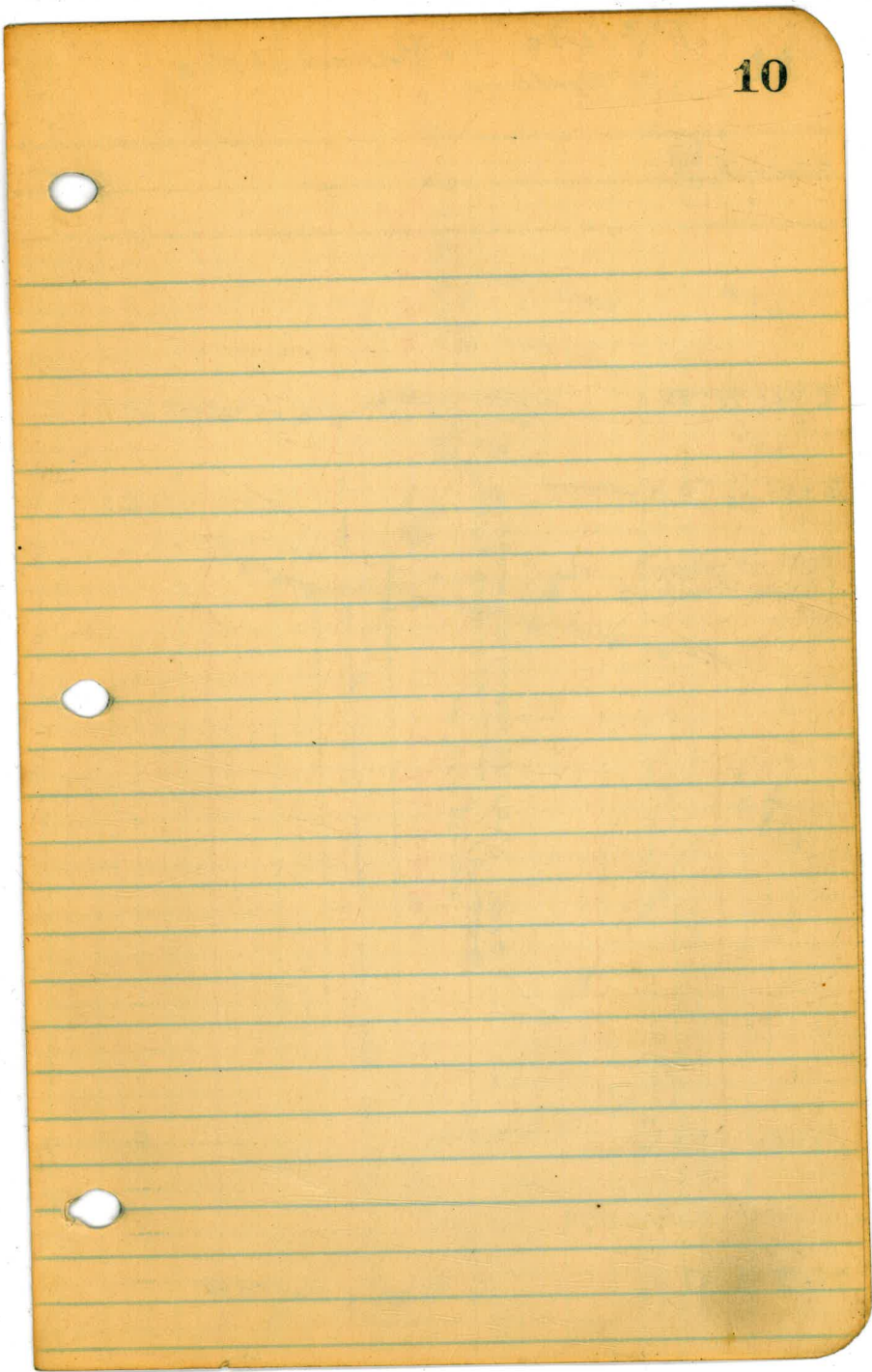
20.00

pavement X 14.3 15.5 X to fence

X 17.6 X 66 X

X 21.5 X 10 X

X 21.0 X 22.4 X



P3 line via Benedict Ave.  
to Woodbine

77+04.56 P.I.

62.41  
62.41  
N35°28'52"E  
N 35°13'50"E

76+42.65 P.I.

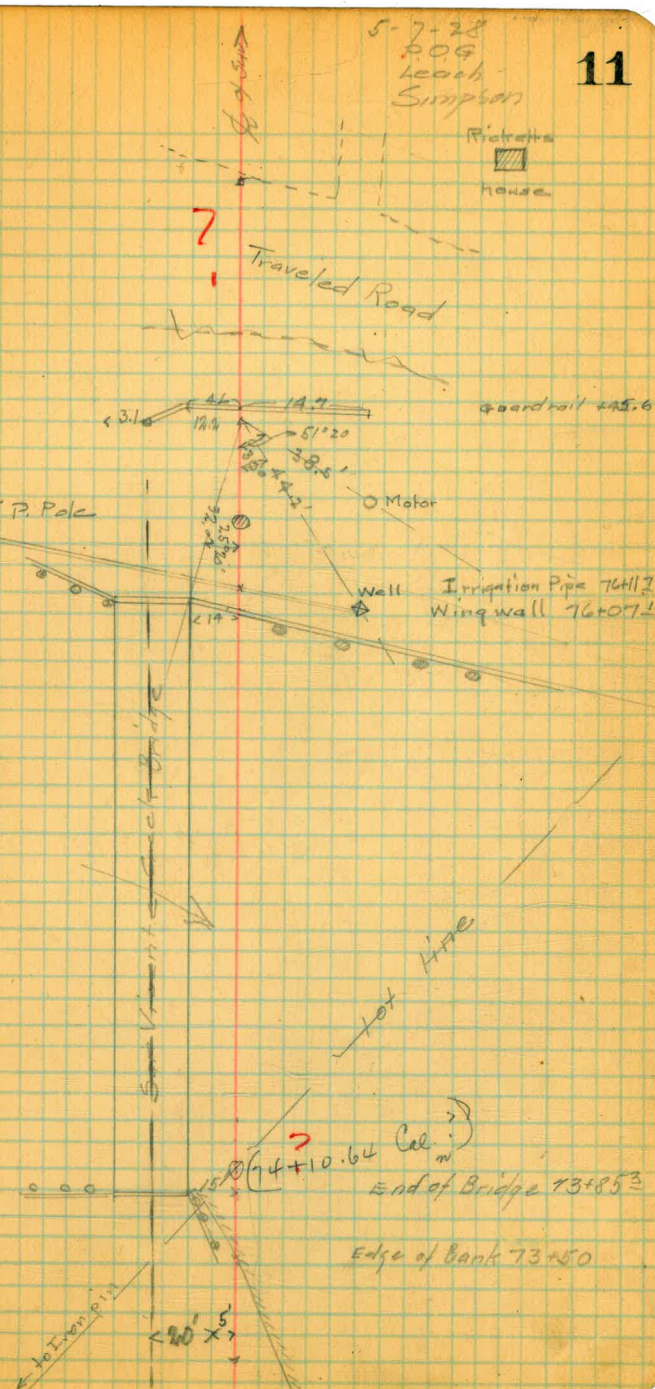
$\Delta = 5^{\circ}25'30" \pm$

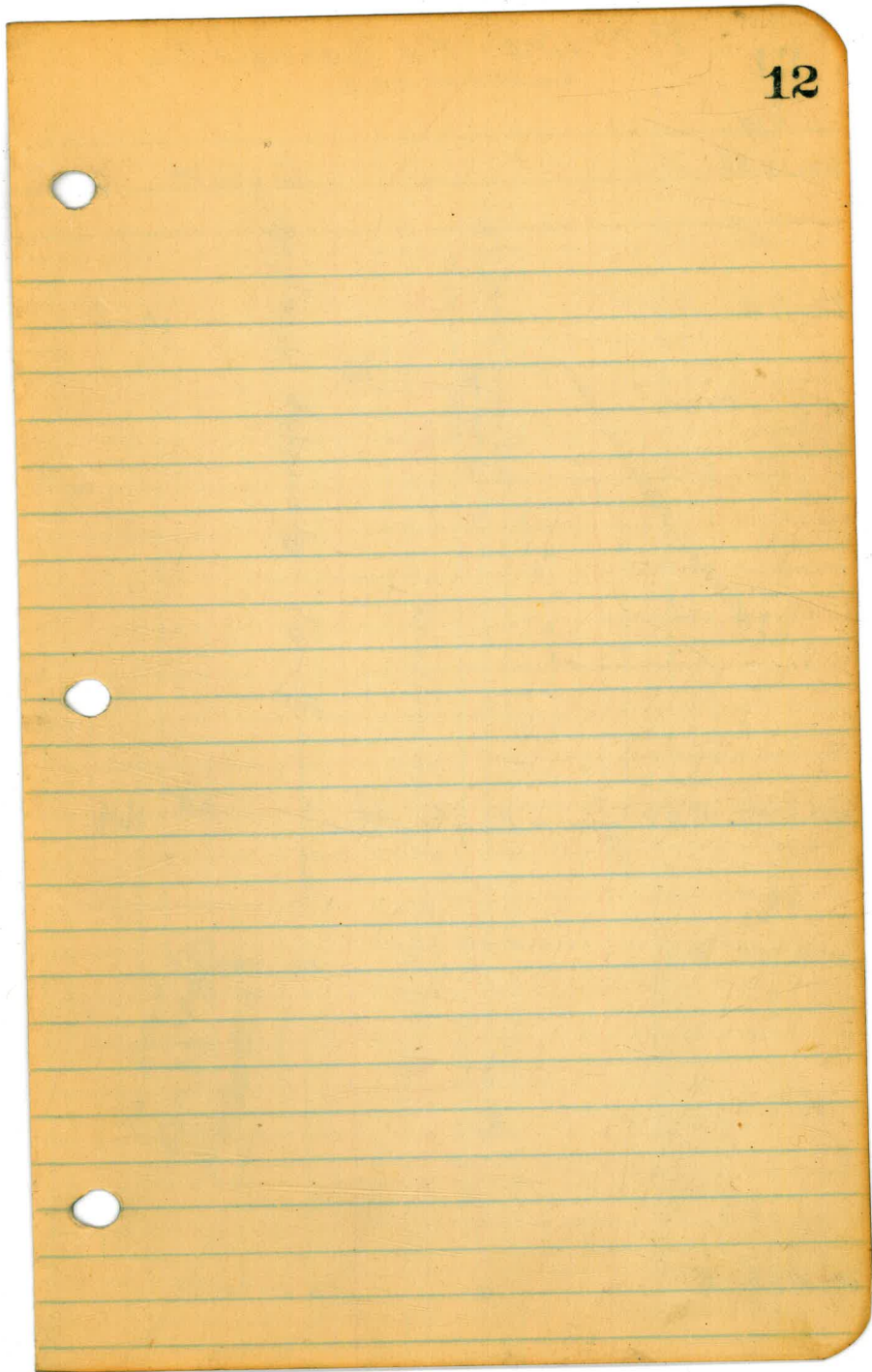
76+25.00 P.O.T.

310. Note: this bearing is parallel to  
309 P.I. and 5' out from center of R/W  
N41°24'22"E  
N 40°39'E

73+33.36 P.I.

$\Delta = 5^{\circ}10" \pm$





5-8-28  
P.O.G.  
Leach  
Simpson

P3 line via Benedict Ave  
to Woodbine

73+33.36 P.I.

51.89

72+81.47 P.O.T.

13.4

This curve Parallel/cont'd  
from Ref. 11  
405.94  
N 36-14-22 1/2 E  
N 35-29 E

x Δ = 5° 10 R<sup>L</sup>

3.4

29.05

69+52.42 P.O.T. opposite E.C. on Prop. line

16.8

25.00

69+27.42 P.I.

x Δ = 17° 15 L<sup>L</sup>

89.6

89.60  
N 53-37-22 1/2 E  
N 53-14 E

68+37.84 P.I.

x Δ = 17° 45 L<sup>L</sup>

for Road  
Δ = 35° 03 0  
R = 200.0'

Q of Center Ref. 11

25'

E.C.

25'

Small open irrigation ditch

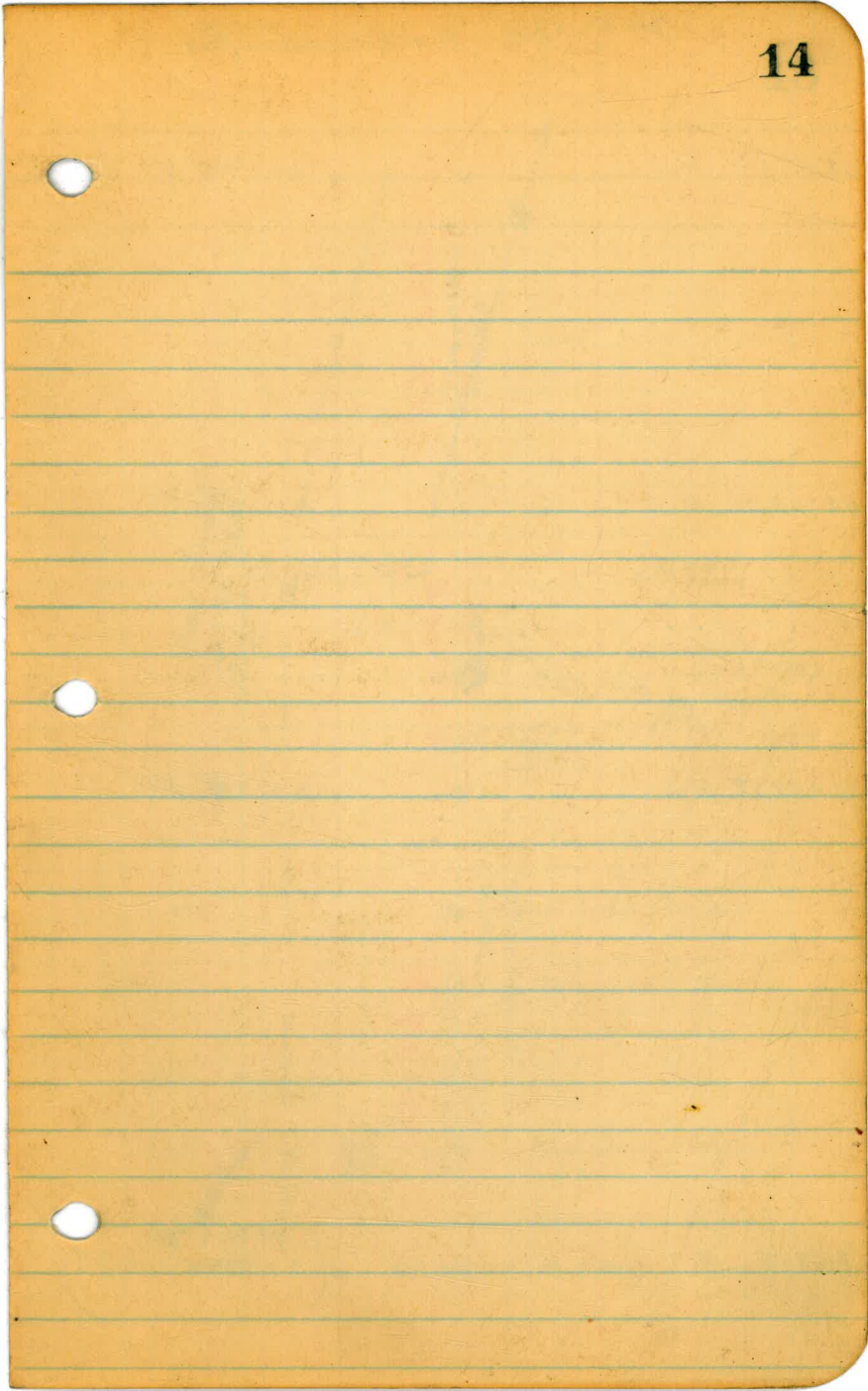
Channel bed

72+50

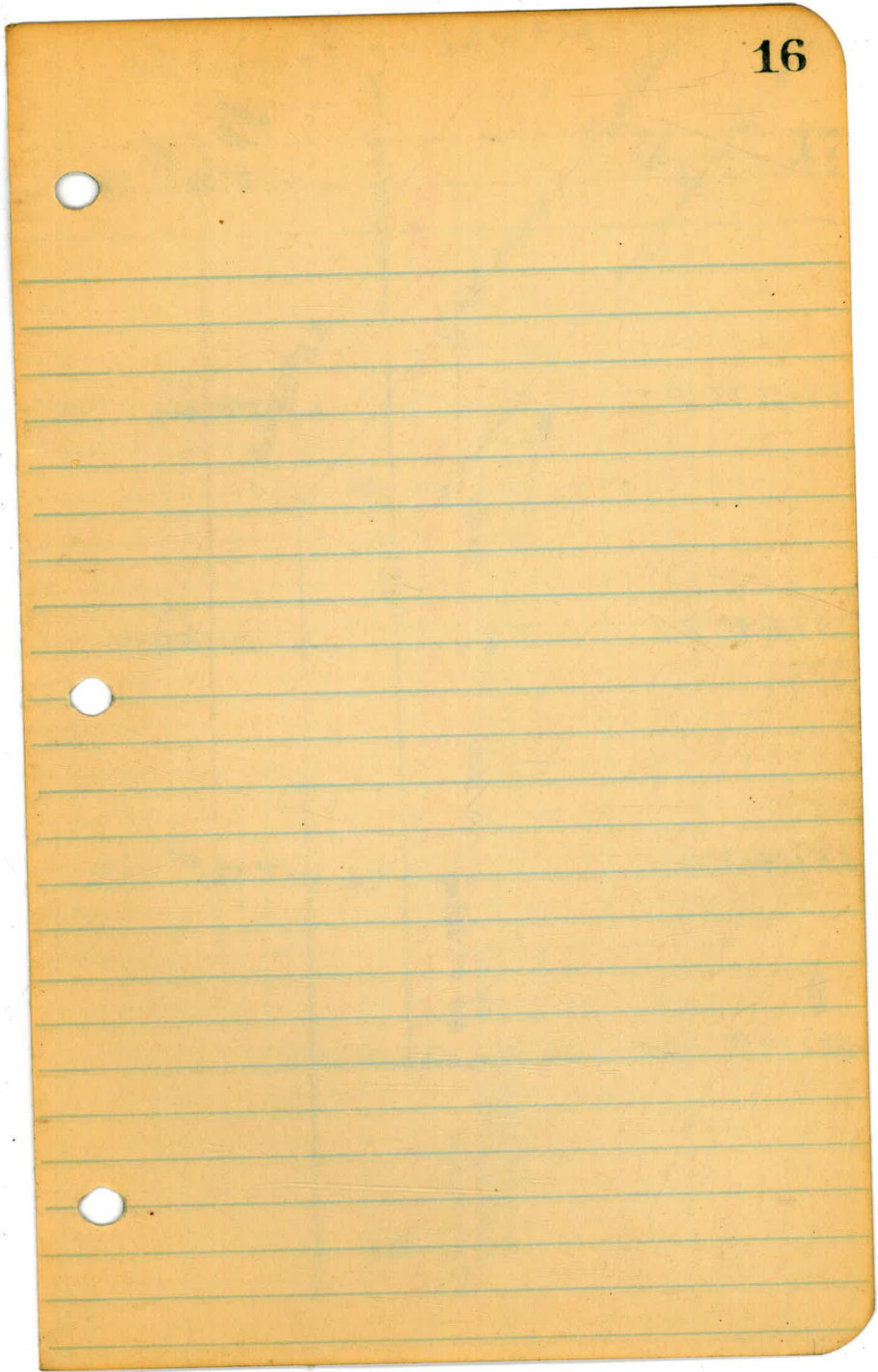
Land

Some trail roads









P3 line via Benedict Ave.

63+88.05 P.I.

21.89  
N 7° 55' 20" E

$\Delta = 7^{\circ} 33' \pm$  ~~1/3~~

63+66.76 P.I.

24.89  
N 12° 48' E

$\Delta = 15^{\circ} 07' \pm$  ~~1/3~~ (Bx?)

63+45.47 P.I.

21.89  
N 2° 19' 20" N 12° 48' E

$\Delta = 15^{\circ} 07' \pm$  ~~1/3~~

63+24.18 P.I.

44.76  
N 9° 07' 37 1/2" W  
N 9° 53' W

$\Delta = 7^{\circ} 33' \pm$  ~~1/3~~ 3/12

62+79.42 P.O.T. oppos. Prop. line hub

this course point  
32.5.35  
N 9° 07' 37 1/2" W  
N 9° 53' W.

Iron pin in  
Fence cor.

5.8-28  
POG  
Leitch  
Simp

$\Delta = 45^{\circ} 22'$

527.28

< 30' >

old Road x 2 = 5'

< 30' >

County Road  
25

17

18

7.

P3 line via Benedict Ave.

5-8-28  
P.O.G.  
Leach  
Simpson

19

~~6279~~ 6279<sup>42</sup> P.O.T

38.535  
N 11-09-22 1/2 E  
N 9-07-37 1/2 W  
W 9° 53' W

59+54.27 P.O.T. oppos. E.C. on P-1 W.

27.50  
W 9° 53' W

59+26.57 P.I.

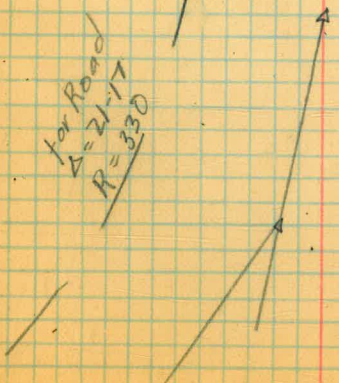
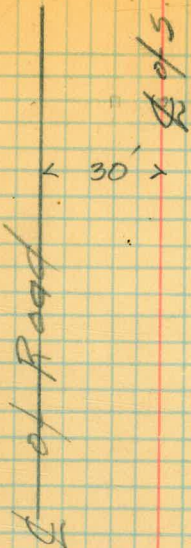
69.82  
~~60.45~~ 50 W  
W 0° 45' 30 E

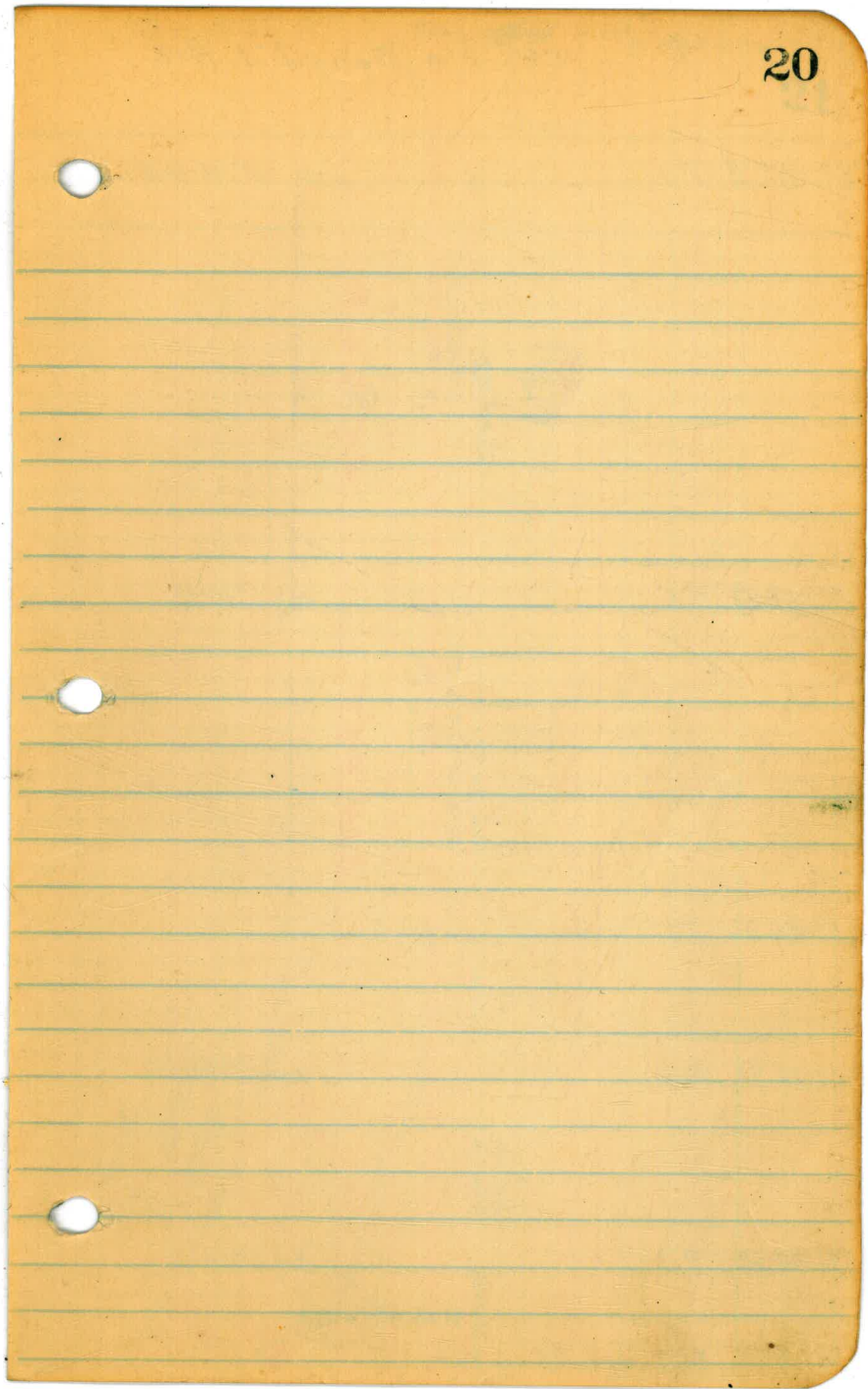
X Δ = 10° 38' - 306 ±

58+58.75 P.I.

~~69.82~~  
N 11-09-22 1/2 E  
N 11° 24' E

X Δ = 10° 38' - 306 ±





P 3 Inc via Benedict Ave.

max ~~28~~ -28. Raining  
POG  
Leach  
Simpson

21

58+58.75 P.I.

$\Delta = 10^{\circ} 38' 30''$

238.22  
N 11-09-22 1/2 E  
37 E

N 11-24' E

30'

56+19.83 P.I.

$\Delta = 2^{\circ} 40' 1/2''$

263.10  
N 13-49-22 1/2 E  
37 E

N 14-04' E

53+56.93 P.O.T. oppo. EC on Ref W

30.00

53+26.73 P.I.

$\Delta = 8^{\circ} 00' 1/2''$

88.10  
S 87-19

N 22-04' E

for Road  
 $L = 16,000$   
 $R = 5000$

52+38.63 P.I.

$\Delta = 8^{\circ} 00' 1/2''$

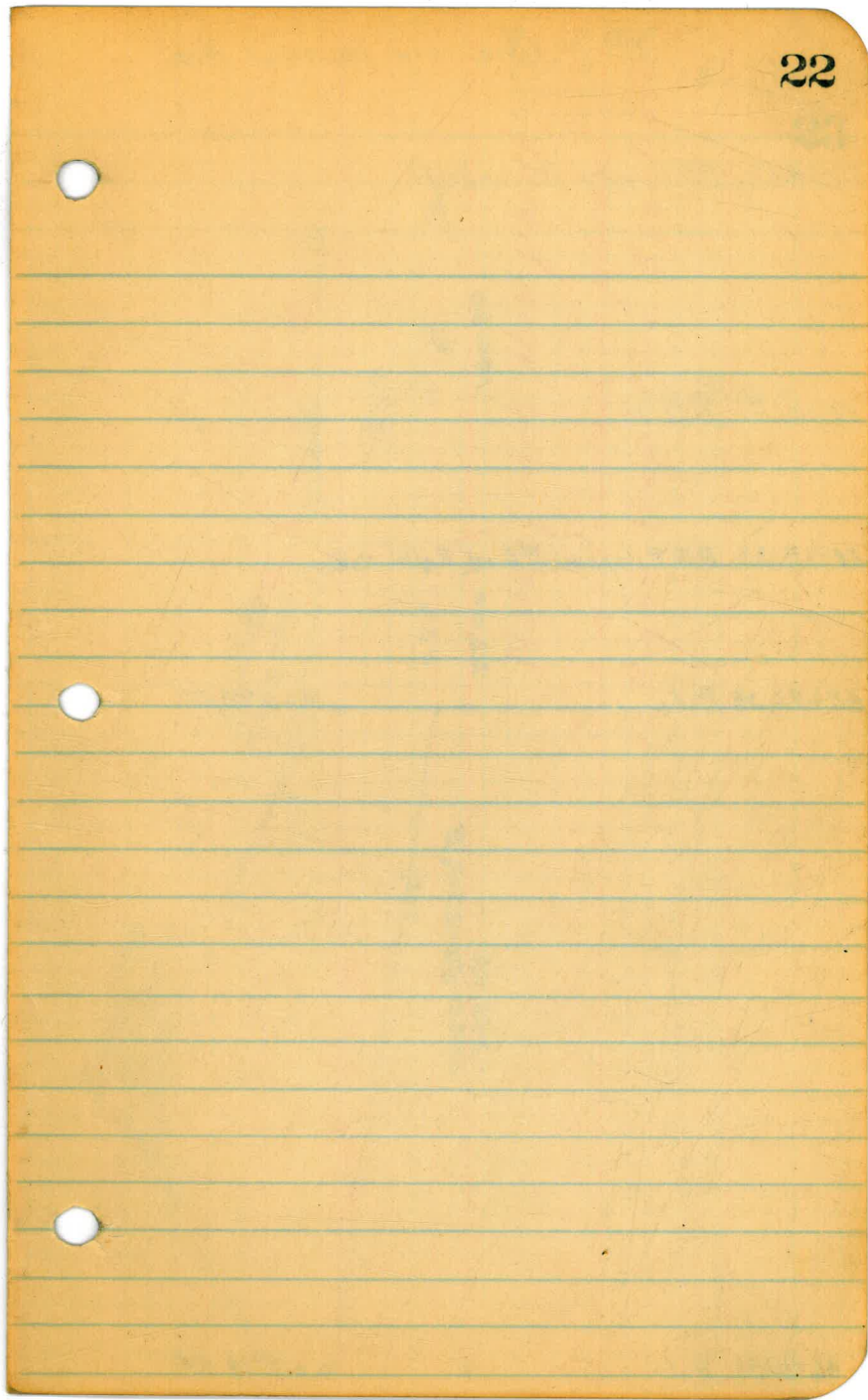
30.00

N 29-49-22 1/2 E

N 30-04' E

52+08.63 P.O.T. oppo. B.C. on Ref W





P3 line via Benedict Ave.

9-5-28  
POG  
Leach  
Simpson  
Bairns  
23

52+08.63 P.O.T. oppo. BC. on Ref W

170.30

51+01.71 P.O.T.

50+18.33 P.O.T. oppo. EC. of Ref W

W 30° 04' E

49+96.33 P.I.

22.00

$\Delta = 11^{\circ} 03' 6''$

3/15.92  
N 40° 52' 22" 1/2 E  
37 1/2

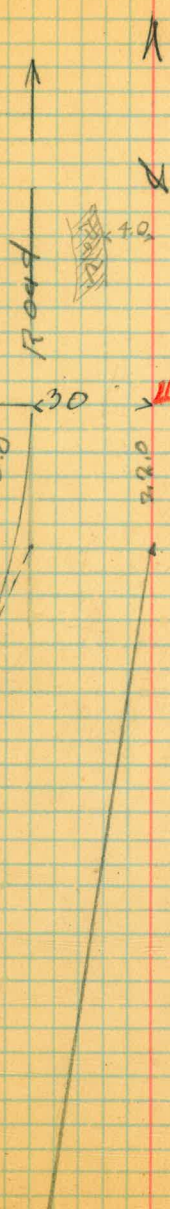
N 41° 07' E

46+80.41 P.I.

$\Delta = 7^{\circ} 14' R$

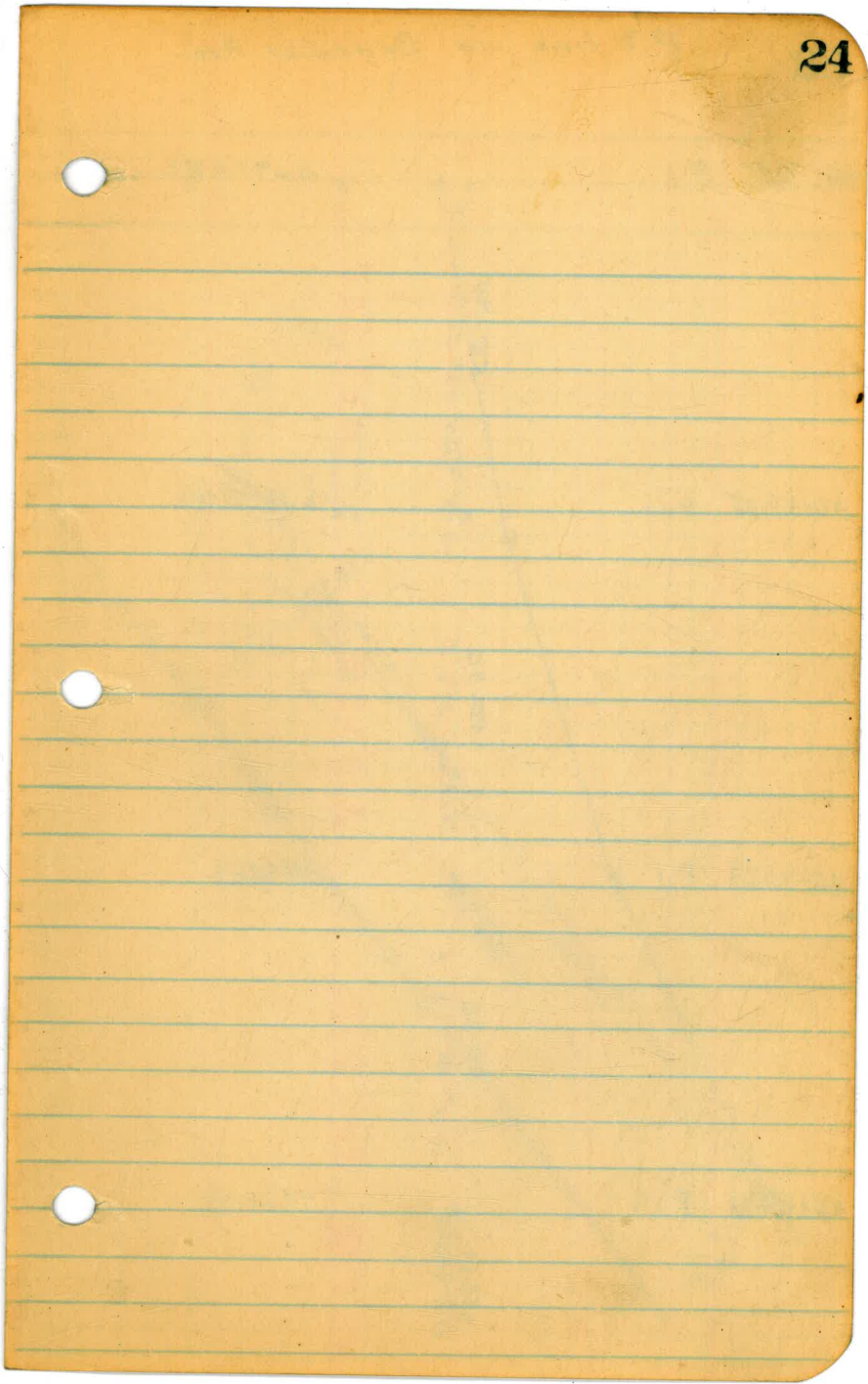
$\Delta = 60^{\circ} 00'$   
 $R = 120.0$

$\Delta = 27^{\circ} 39'$   
 $R = 200.0$



Notes: from this point  
line as located is parallel  
to Right Prop. line 5 feet out

46+80.41



P3 line via Benedict Ave.

46180.91 P.I.

$\Delta = 7^{\circ}14' R^+$   
 $N 33^{\circ}34'37.2" E$   
 $50.36$   
 $N 33^{\circ}55' E$

46130.05 P.I.

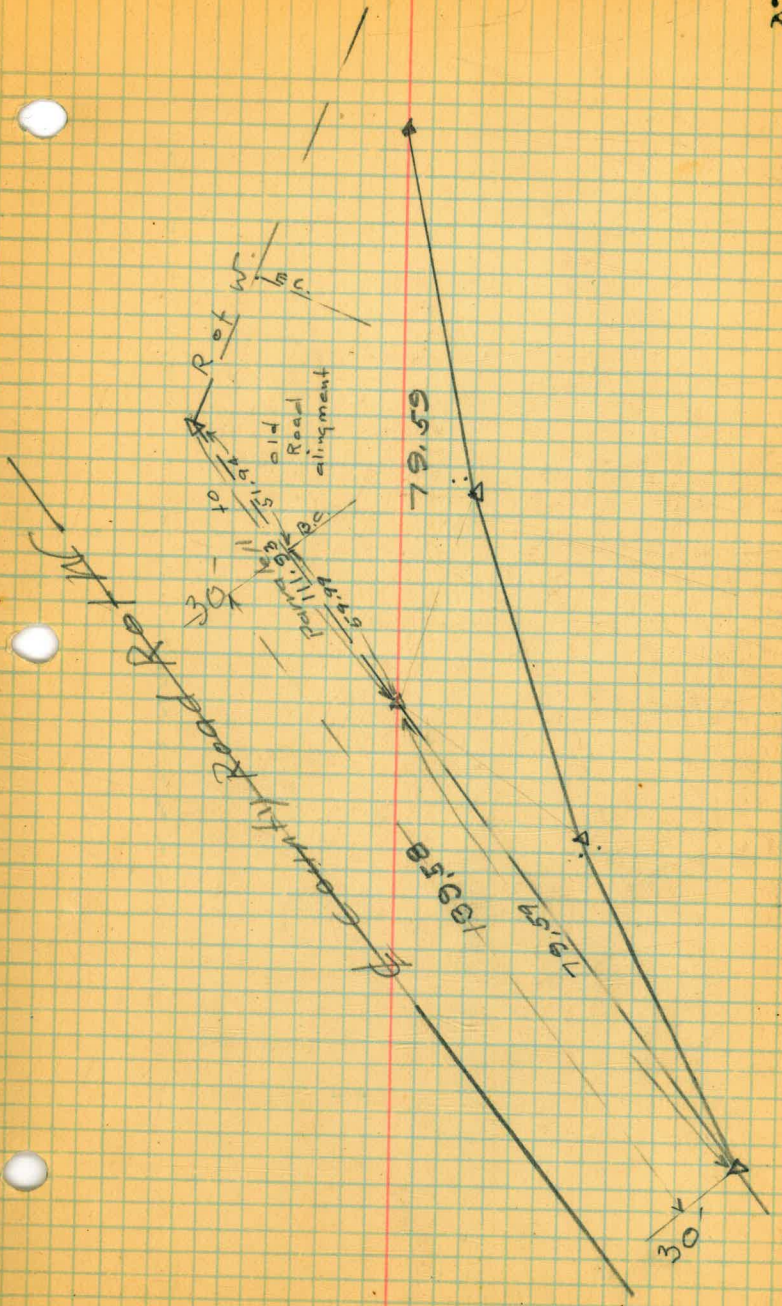
$\Delta = 14^{\circ}28' R^+$   
 $N 19^{\circ}16'37.5" E$   
 $50.36$   
 $N 19^{\circ}25' E$

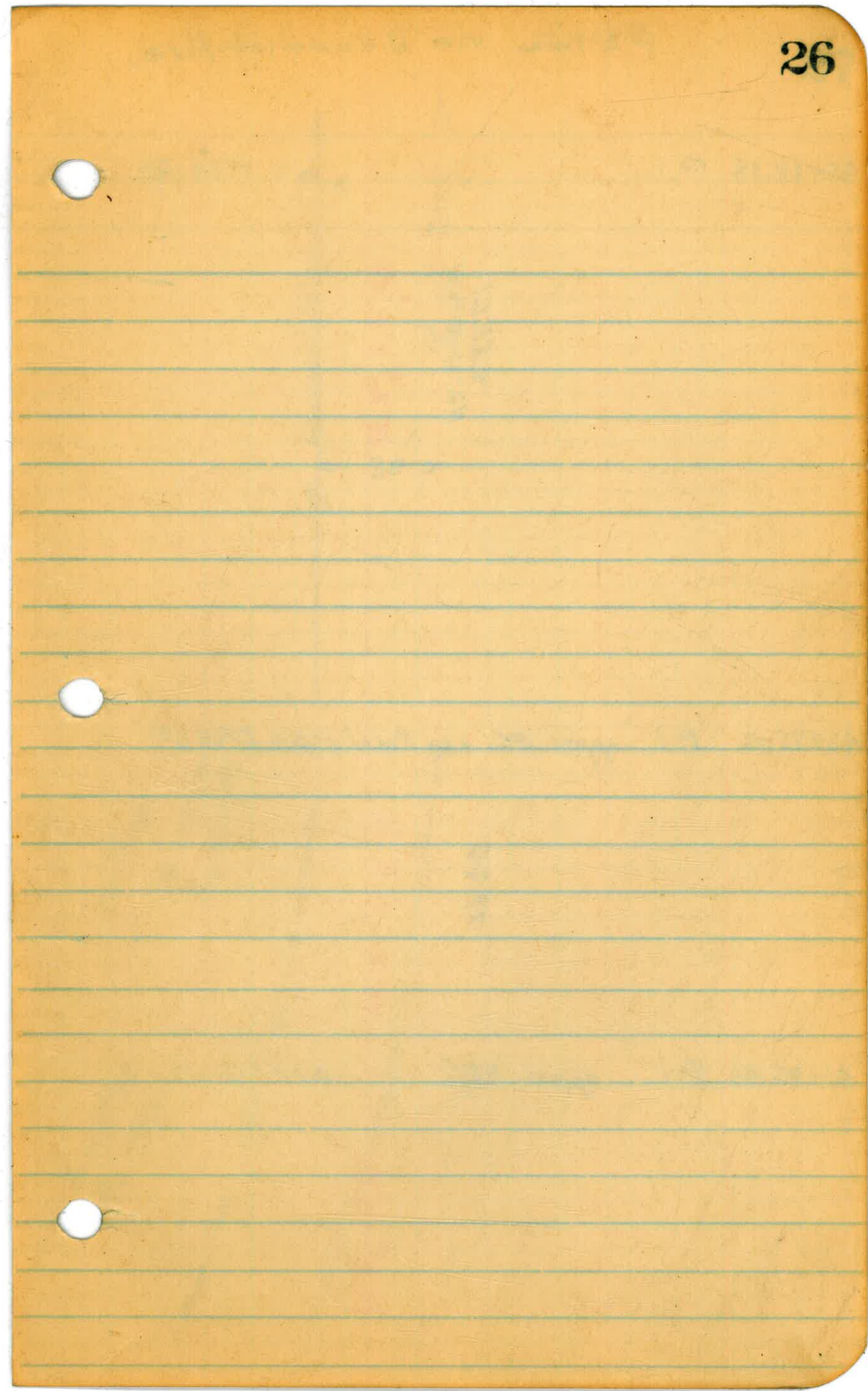
45+79.69 P.I.

$\Delta = 14^{\circ}28' R^+$   
 $N 4^{\circ}12'37.2" E$   
 $50.36$   
 $N 4^{\circ}57' E$

45+29.33 P.I.

$\Delta = 7^{\circ}14' R^+$   
 $N 2^{\circ}17' W$   
 $253.61$   
 $N 2^{\circ}31'24.4" W$





45+29.33 P.I.

$\Delta = 7^{\circ}14' RE$

253.61  
N 2-31-22 1/2 W

N 20 17' W

42+75.72 P.I. oppos. E.C. Len Ref N  $\Delta = 5^{\circ}15' L+$

79.26

N 20 58' E

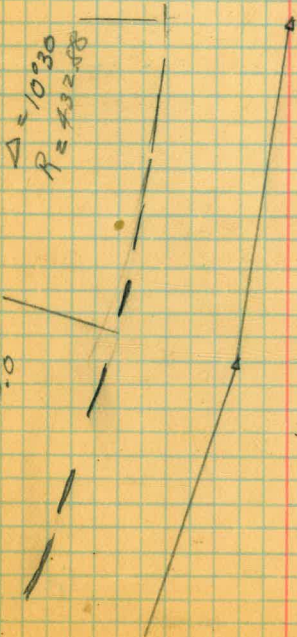
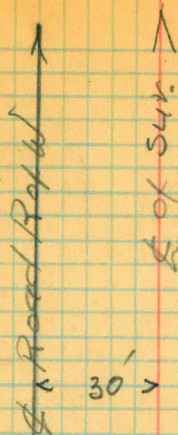
41+96.46 P.I. oppos. F.E.C.

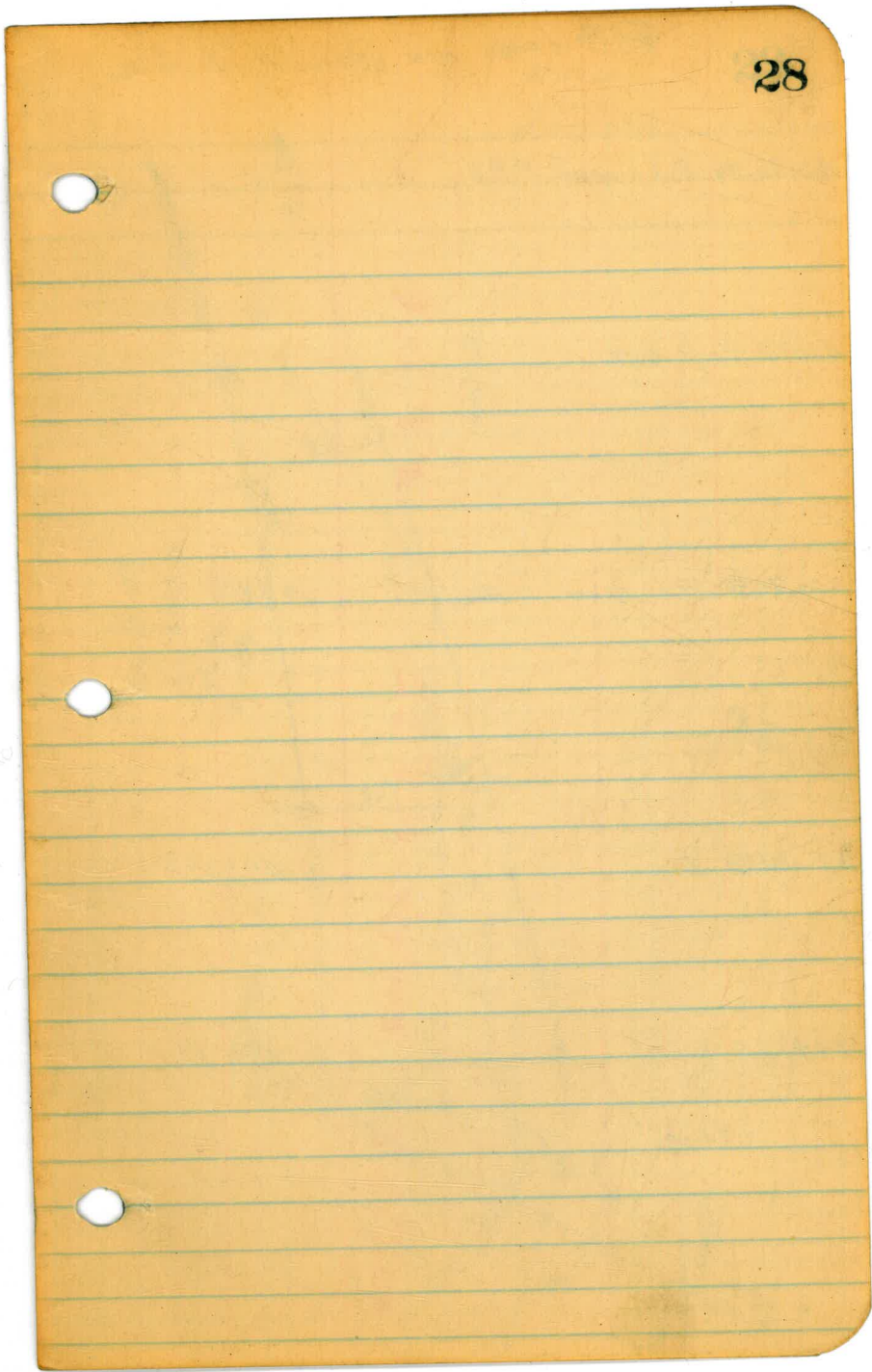
$\Delta = 5^{\circ}15' L+$

N 8 13' E

$\Delta = 11009$   
 $R = 990.0$

for Road  
 $\Delta = 10^{\circ}30'$   
 $R = 432.48$





P3 line via Benedict Arc

10-5-28  
P.O.G.  
Leach  
Simpson

41496.46 P.I. oppos. P.R.C

$\times 5^{\circ}15'4''$

99.56

**N 8° 13' E**

41436.46 P.D.T

40+96.90 P.I. oppos. C. Road P.I.

$\times 5^{\circ}4''$

$\sim 18.87$

38+78.03 P.I.

$\times \Delta = 16^{\circ}30'4''$

28.78

**N 18° 43' E**

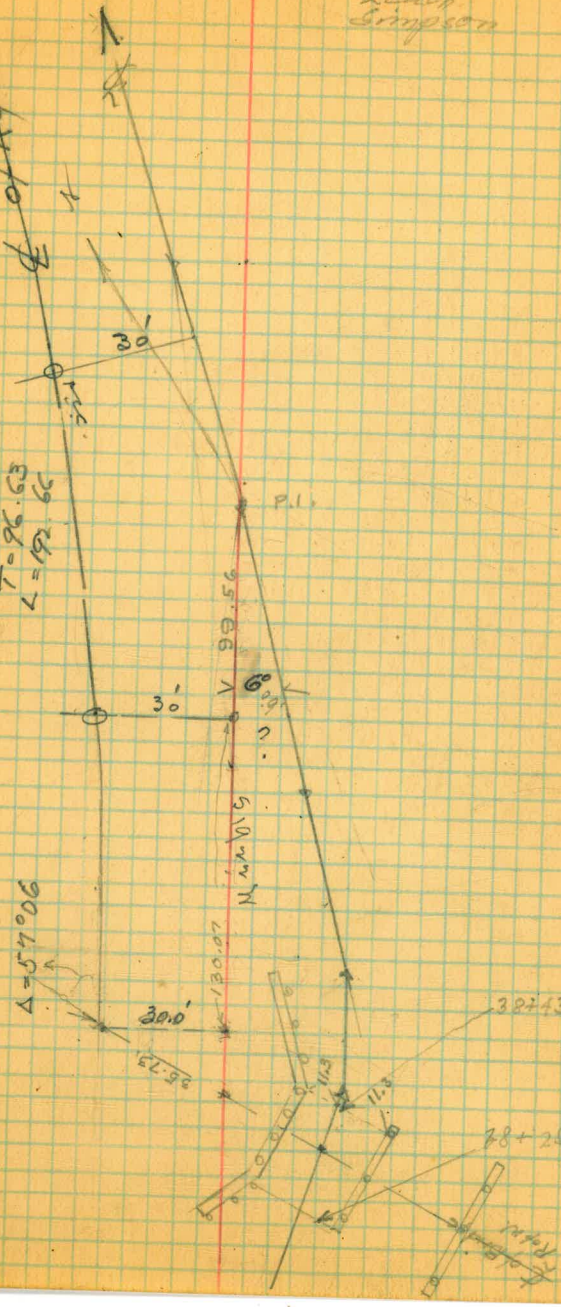
38+49.85 P.I.

$\times \Delta = 16^{\circ}30'4''$

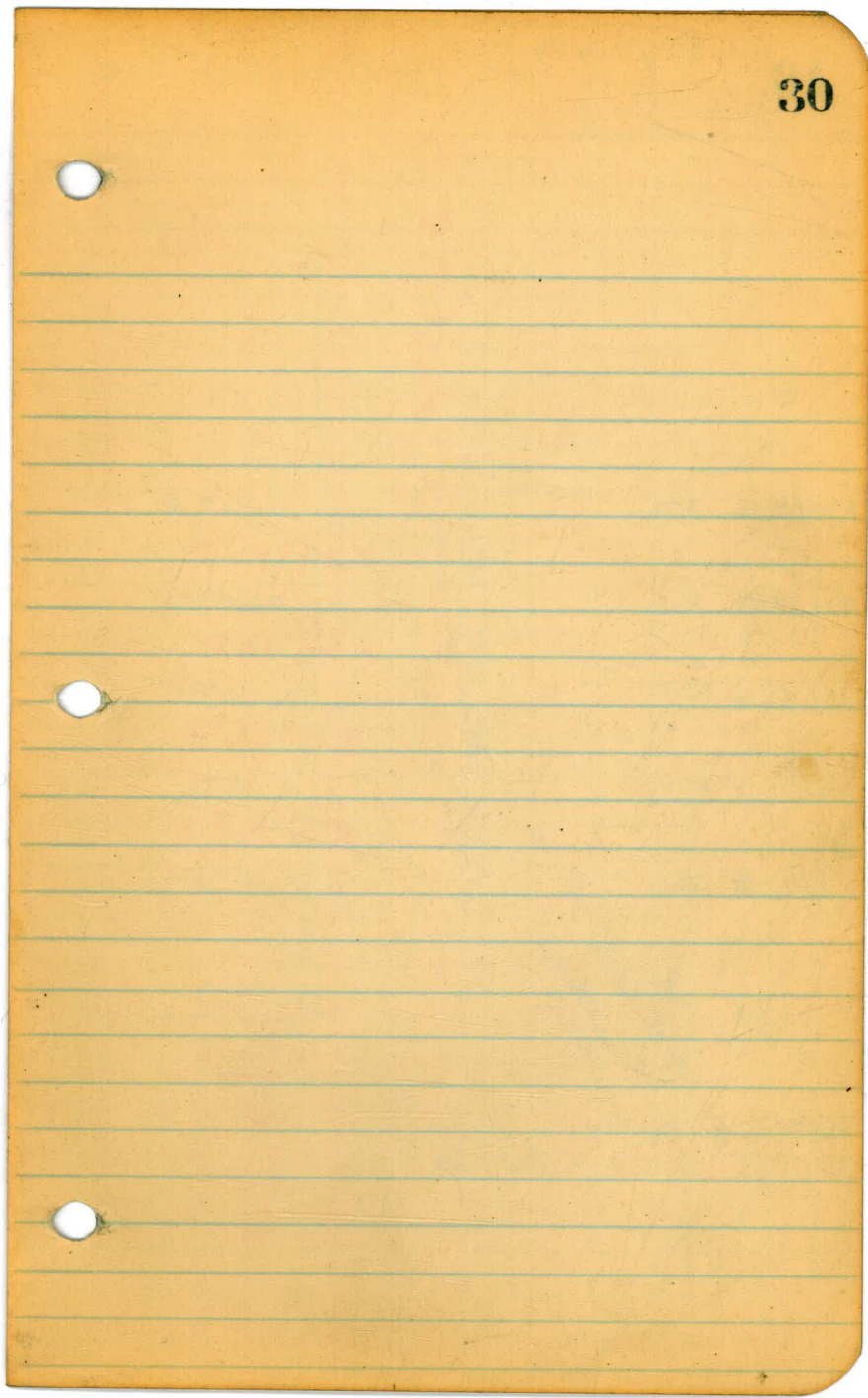
454.89

**N 46° 13' E**

$\Delta = 11-09$   
 $R = 990.0'$   
 $T = 96.63$   
 $L = 192.66$







P<sup>3</sup> line via Benedict Ave.

May 11-28  
P.O.G.  
head  
Bromson

N 46° 13' E

33+94.36 P.I.

X 24.37 X 24.37 X 24.37 X 24.37 X 24.37 X

X Δ = 7° RT  
N 39° 13' E

33+69.99 P.I.

X Δ = 14° RT  
N 29° 13' E

33+45.62 P.I.

X Δ = 14° RT  
N 11° 13' E

33+21.25 P.I.

X Δ = 14° RT  
N 2° 47' W

32+96.88 P.I.

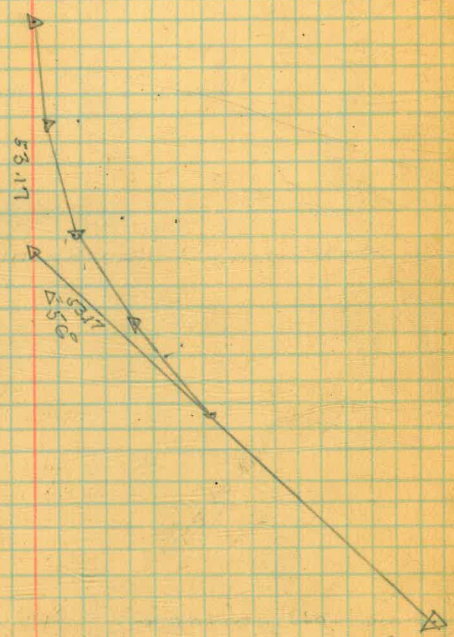
X Δ = 14° RT

~ 56.68  
On Benedict Ave  
Tangent to curve

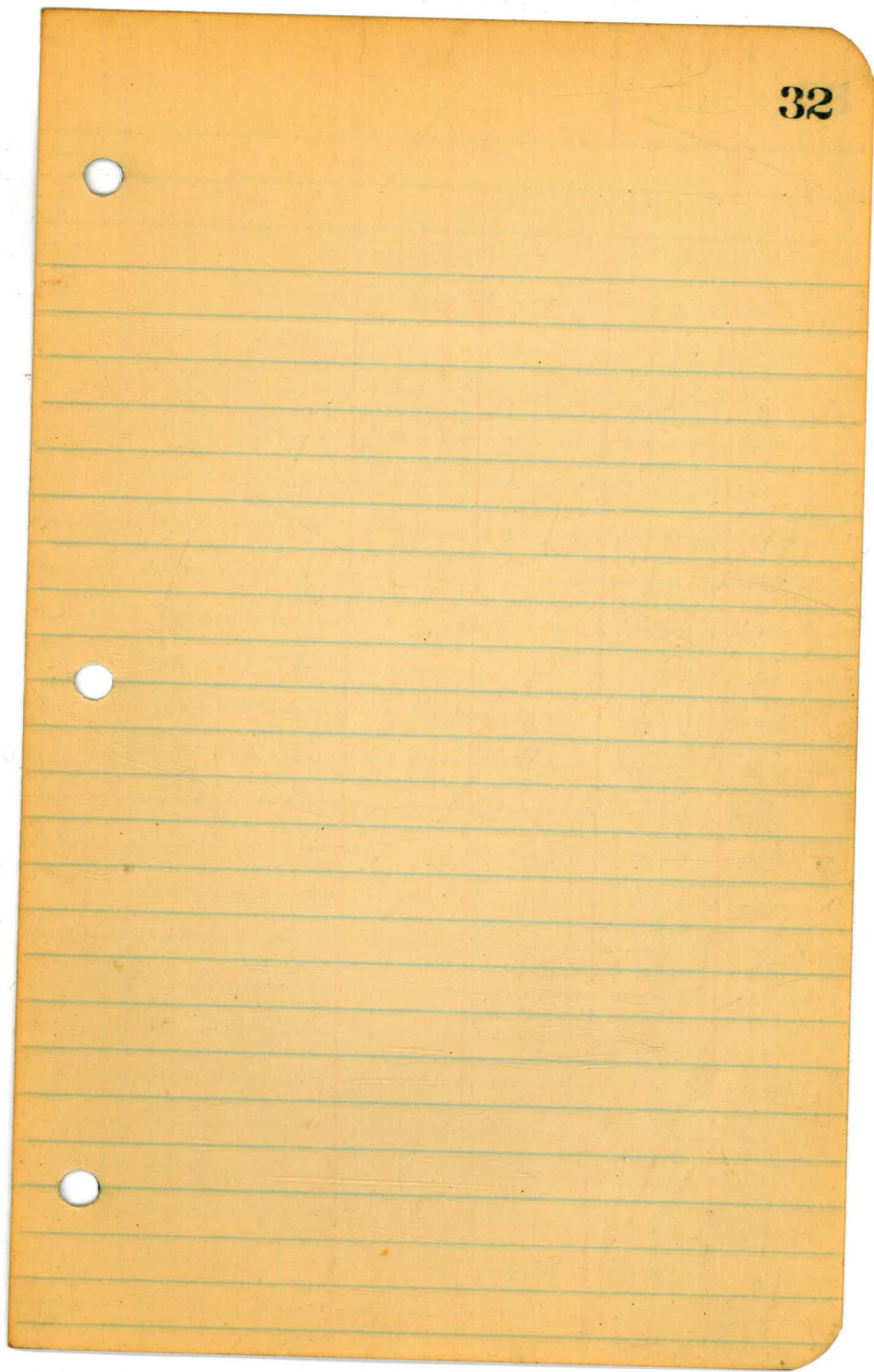
30+40.20 Equation  
31+03.19 Benedict Ave line

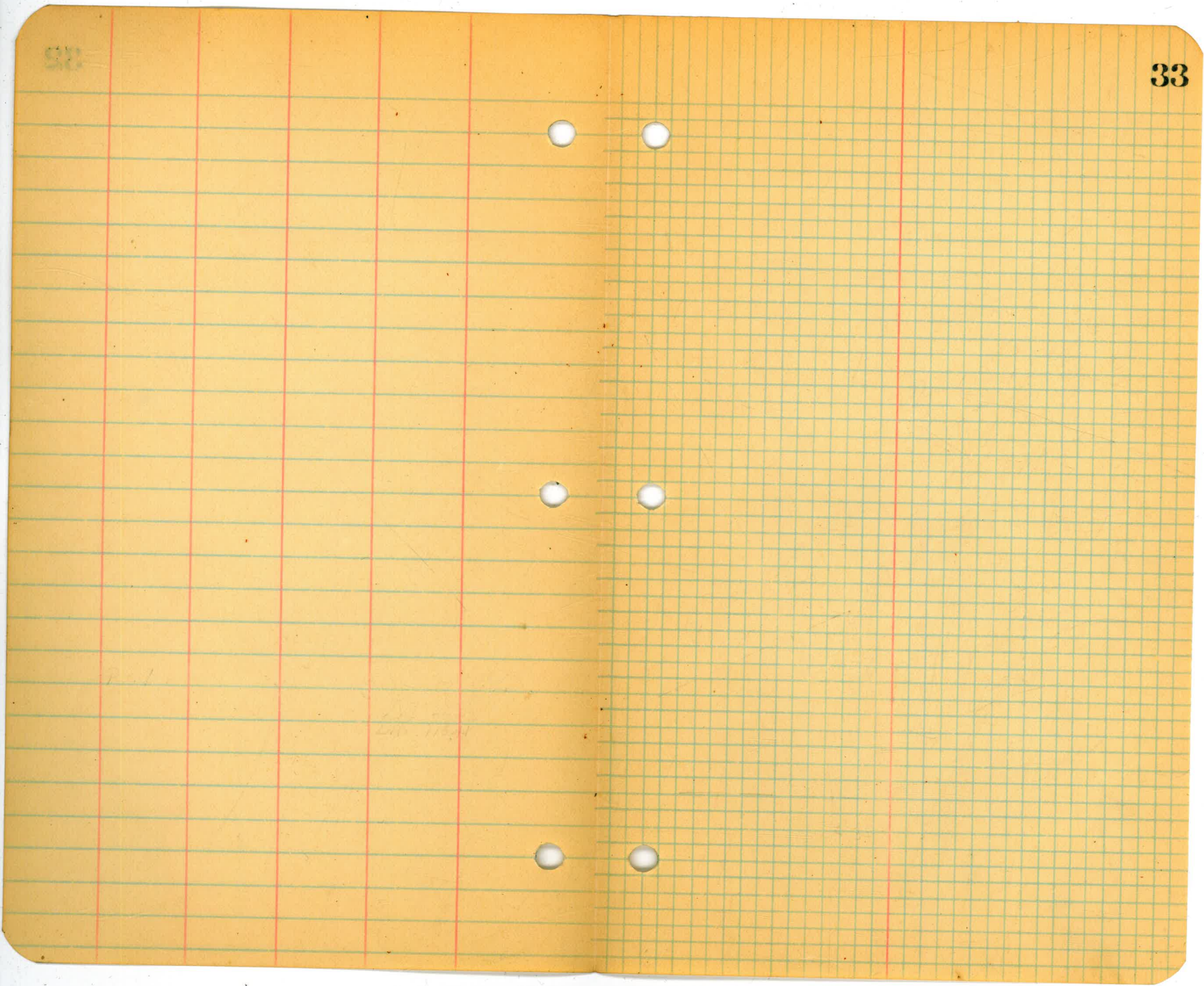
N 9° 47' W

N. 139 ft



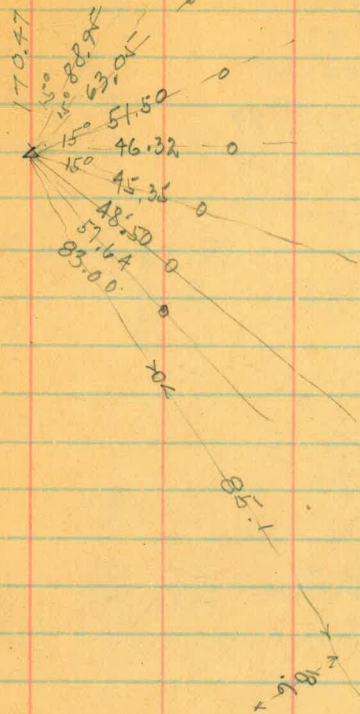
Pipe line Sta. = 30+40.20  
Benedict Ave Sta. = 31+03.19





3344119

Distance on Radians  
to Southside of Pavement



20+27.88 1120.23 1120.23  
11 20.23 904.49 41  
9 07.65 20+24.72 27.98 1120.71  
27.98  
3.16

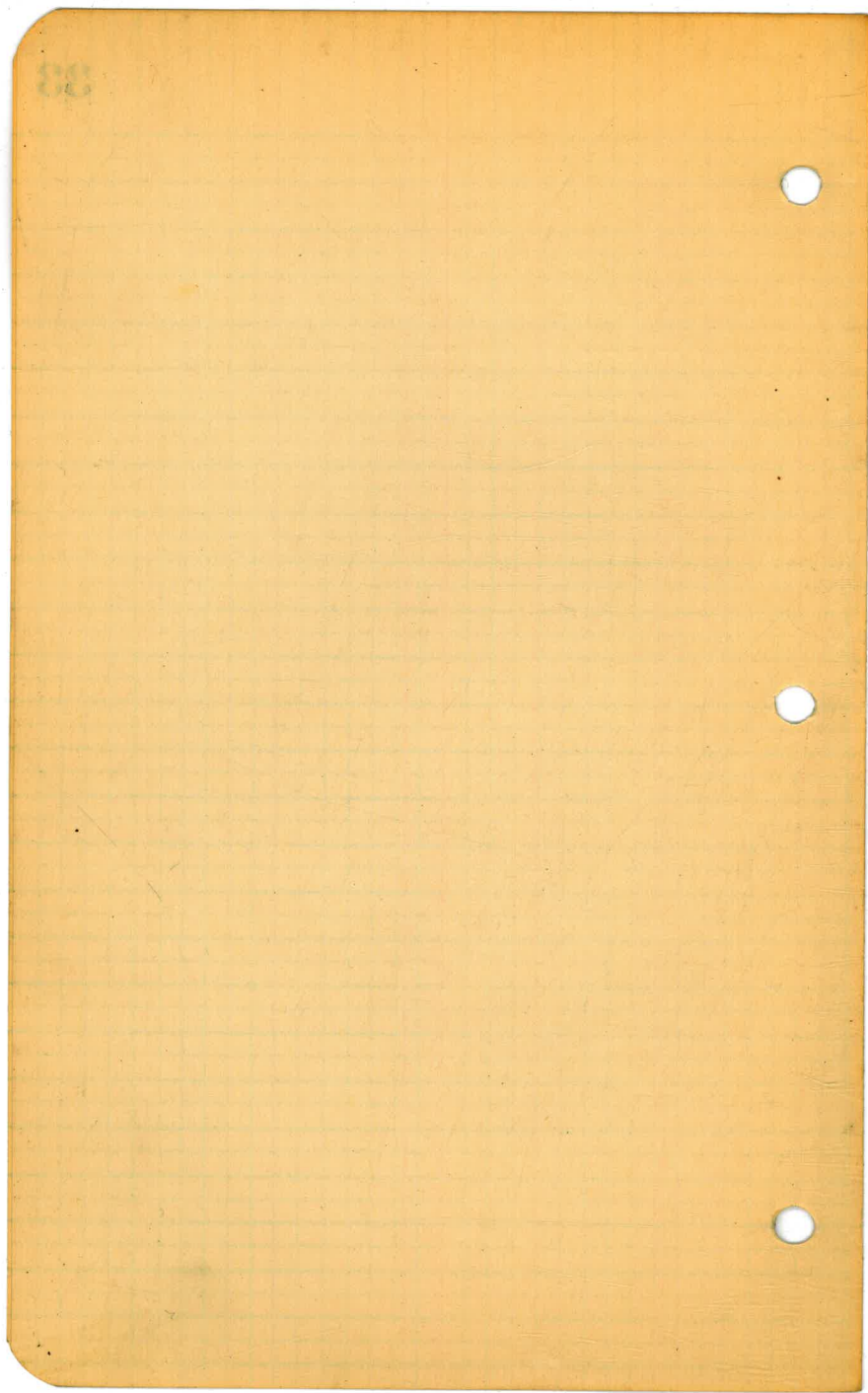
695 30 27 05  
369.29 10+90.45  
1061.29 T9 36.60  
2027.88 18 93.95 38.58  
3092.17 19.56  
4.68 42.65 9+04.49  
30+89.49 11 20.70  
13.70 20+25.19  
31+03.19 30  
18.91 19+95.19  
32+22.10 604.60  
+ 3.98

32+26.08 19-22 7 27.83  
6 04.60 10 48 21  
38+30.68 8-23 8-32 8-34 68  
11-31 11-32 11-32 63  
20-04 4 20-00 53  
49  
4

29-52 19-22 W 19-22  
59-44 10-49 10-49  
29-52 20-01 8-33 18.27  
S 11-31 11-33  
S 11-31 20-06

5-02 37-44 19-03.7 1/2  
5-25-20 20.04 10  
10-51 N 5-03 1/2  
5-25 57-48 N 5-56.52 1/2

38+68.03  
38+78.03





for 10 foot strip only

36

P 3 line Woodbine  
via Benedict Pave. to sta 85+  
96+

37

76+70.65 P in East Fence line

75+79.85 set back in Guardrail Westside of Traveled Road

75+63.10 P.O.T.

73+35.83 P. 1. to lot line

75+14

72+70.59 P. 1.

X

$\Delta 5^{\circ} 10' R^+$

72+19.04 P.O.T.

P<sup>3</sup> line from Wardbine - Benedict  
 Pavement to Ricketts Ranch Sta 25<sup>+</sup>  
 @ 96<sup>+</sup>

38+63<sup>33</sup> P.I.

x 37.65

x Δ = 10° 49R<sup>±</sup>38+30<sup>28</sup> P.I.

x

x Δ = 11° 31 L<sup>±</sup>

10 foot strip only

x 50.50

 118.91  
 +3.98  
 122.89
x Δ = 38° 58 L<sup>±</sup>32+22<sup>26</sup> P.I.

P3 line

2-5-28  
P.O.G.  
Leach  
Simpson

39

Leach  
Simpson

68+8949	E.C.	17°45'
+75		15°53.0'
+50		12°46.1'
+25		9°39.3'

244.44

68+2110	P.I.	X
69+00		6°32.5'
+75		3°25.6'
+50		0°18.8'
67+4948	B.C.	0°00'

249.91

$\Delta = 35^{\circ}30'$   
 $R = 230.0$   
 $ST = 73.62$   
 $LA = 192.51$

66+2561	E.C.	17°45'
		17°38.7'
66+00		13°26.1'
65+7440	P.I.	X
+75		9°13.2'
+50		5°00.0'
+25		0°47.7'
65+2028	B.C.	0°00'

$\Delta = 35^{\circ}30'$   
 $R = 170.0$   
 $ST = 54.42$   
 $LA = 105.37$

for detail  
of Water system  
see page

65+592

Walnut tree 1/2" diam.  
Pear tree 1" diam.  
65+16.43

○ For 10 foot  
strip parallel to old R&W  
Only

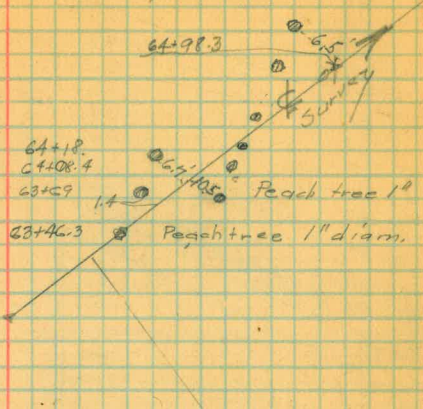
for lines located  
see leaves 1 to

P3 line Woodbine via  
Benedict Ave. to Richett's Ranch

1-5-28  
P.O.S.  
Leach  
Simpson

41

Fd iron pin in Fence cor.



63+26.78 E.C. 22°41'  
63+25 22°00'  
63+00 12°39.4'

279.64

76.48

62+98.4 P.I.

62+75 3°08.2'

62+66.69 B.C. 0°00'

X Δ = 45°22'  
R = 75.89  
S.T. = 31.72  
W.H. = 60.09

62+21.93 10' East of East Prop. line

Fd 2x2 Rwd

62+21.93

10'

61+85

< 13.7' Apricot tree 8" diam.

59+76.0

< 8.2' Walnut tree 8" diam.

59+56.4

< 5.7' Peach tree 6" diam.

59+12.7

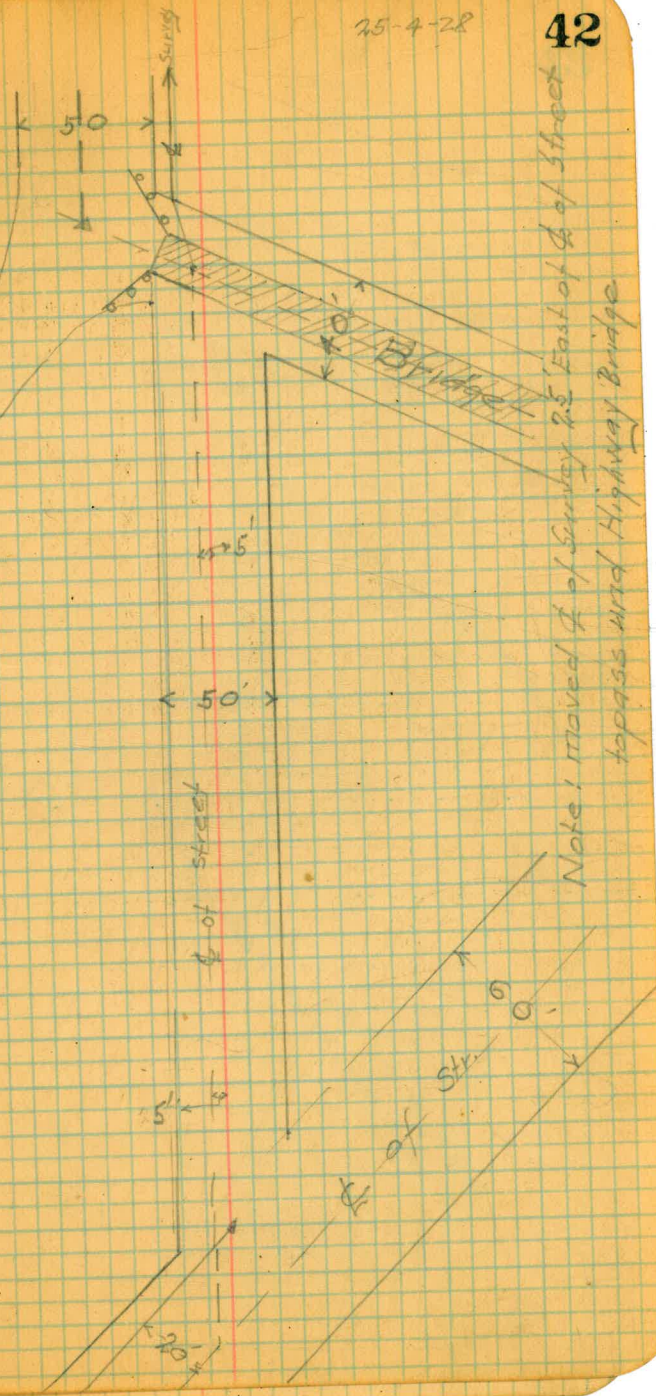
< 11.7' Peach tree 6" diam.

E.C.

Shoulder 388.30  
95 ch of 392.55  
4.25

58+92.33 E.C.

25-4-28



Note: moved E of Survey 25' East of C of Street to pass under Highway Bridge

2-5-28  
P.O. G.  
Leach  
Simpson

43

76+43

Traveled Road 76+00

75+60 P. Pole

Well & pump

at Bridge  
East end 75+50  
irrigation  
pipe 75+47.3

73+23.7  
West end of  
Bridge

73+20

SAN VICENTE CREEK



Lake Hodges Notes.  
to Establish length of Dam Axis  
on 350 contour.

44

P.O.G  
Aug 9- 28

N.S. of Lake

			315.00	Top of Spillway Crest
12.64	327.64			
		0.60	327.04	T.P.
12.57	339.61			
		0.22	339.39	
12.27	351.66			
		0.47	351.19	T.P. North of Small house
11.80	362.99			
		0.85	362.14	
12.61	374.75			
		2.00	372.75	
12.24	385.59			
		0.01	385.58	
12.45	398.03			
		0.31	397.72	
12.55	410.27			
		0.93	409.34	
8.28	417.62			
nail in Guardrail post		2.21	415.41	set B.M.
top of Road Summit		12.64	404.98	
1.67	406.63			
		12.70	393.93	
0.51	394.44			

## S-Side of Lake

45

+	+	-	El.	
				327.04 N.S. of Lake
7.92	334.96			
		4.93	330.03	Top of Dam So. Side
		0.16	334.80	T.P.
11.97	346.77			
		0.24	346.53	
12.41	358.94			
		0.23	358.71	
12.53	371.24			
		0.60	370.64	
12.30	382.94			
		0.50	382.44	
8.71	391.15			
		1.15	390.00	390' Contour
			246.69	
15.00	24.69			
		7.53	254.16	Flow Line Conduit
		11.6	250.1	invert elev. at point where pipe comes out of Dams

87-52 1/2

Base  
line

V=2° 45'

D=27370

57-31 1/2

115-01 1/2

57-30-45

9999500

2497275

2436775

2640

135

127.2

22

87-52 1/2 - 1

57-31 - 2

177-59-00

145-23-30

34-36-30 - 3

273.58

87-52-30-1

32-25 - 2

177-59-00

120-17-30

59-42-30-3

273.385 = 2.436775

57-31 = 9.926110

2.362885

76-32-30 34-36-30 = 9.7543204

76-32-30

153-06

76-33-

38-03-30

174-59-00

114-36-30

65-23-30

2.6085641

26

38.4

32.1

49

406.036

33.10

372.936

136.627

406.036

169.717

236.309

136.627

133.40

202.827

203.209

236.807 = 2.3734769

65-23-30 = 9.758648

233.21249

38-03-30 = 9.7899074

21542217A

03

14.9

12.5

19.

273.385 = 2.436775

32-25 = 9.729223

2.165998

59-42-30 = 9.936247

322.11

2.229751

622

69

172

172

169.727

33.10

136.627

136.627

42-02-30

84-06

42-03-

32-24

74-28

87-52-30 - 1

74-28 - 2

177-59-00

122-20-30

117-39-30 - 3

273.385 = 2.436775

74-28 = 9.988840

2.420615

17-39-30 = 9.4819265

868.337

33.10

835.237

2.9386885 = 868.337

70

756.636

184

15

3.53

33.10

136.627

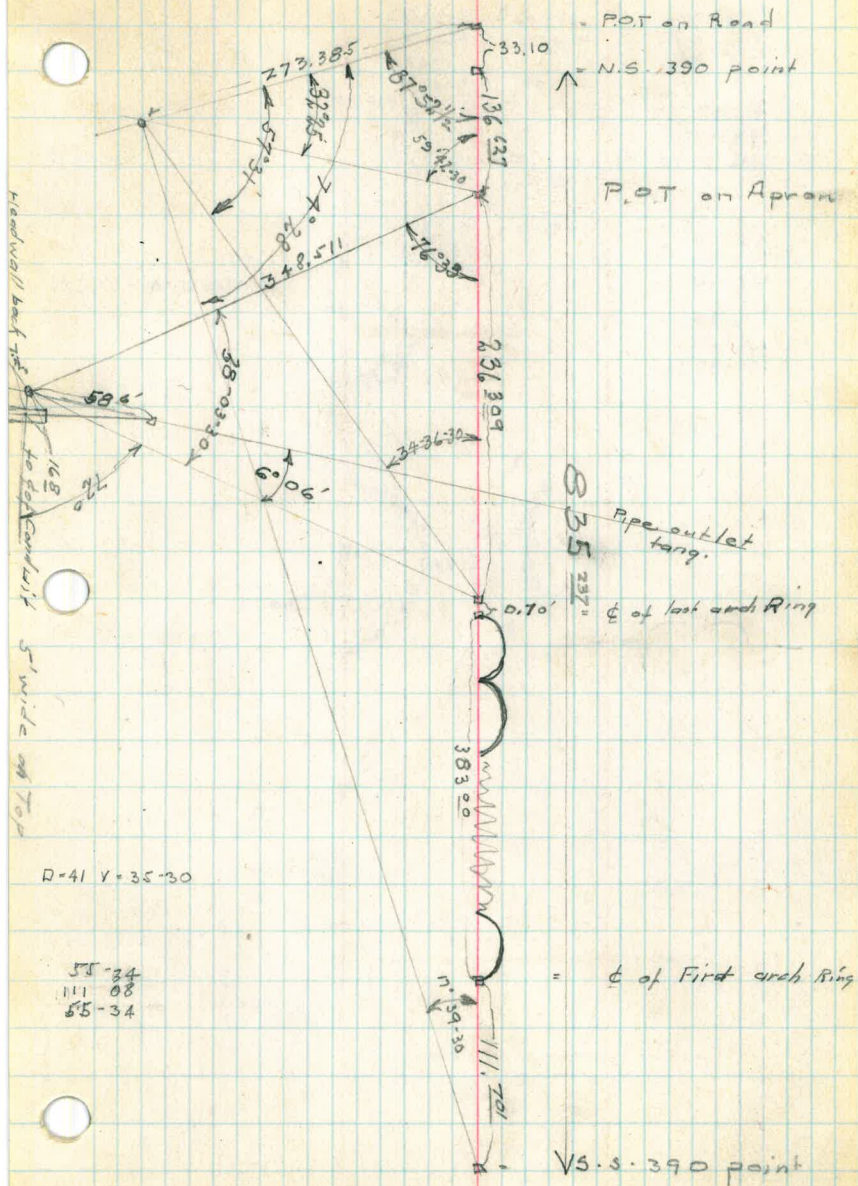
203.209

383.700

786.636

668.5

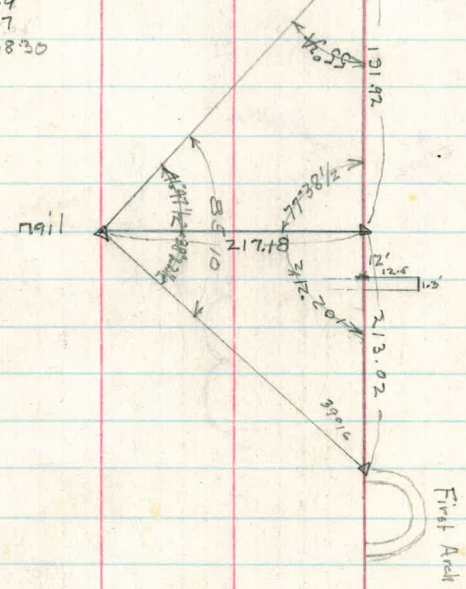
111.704



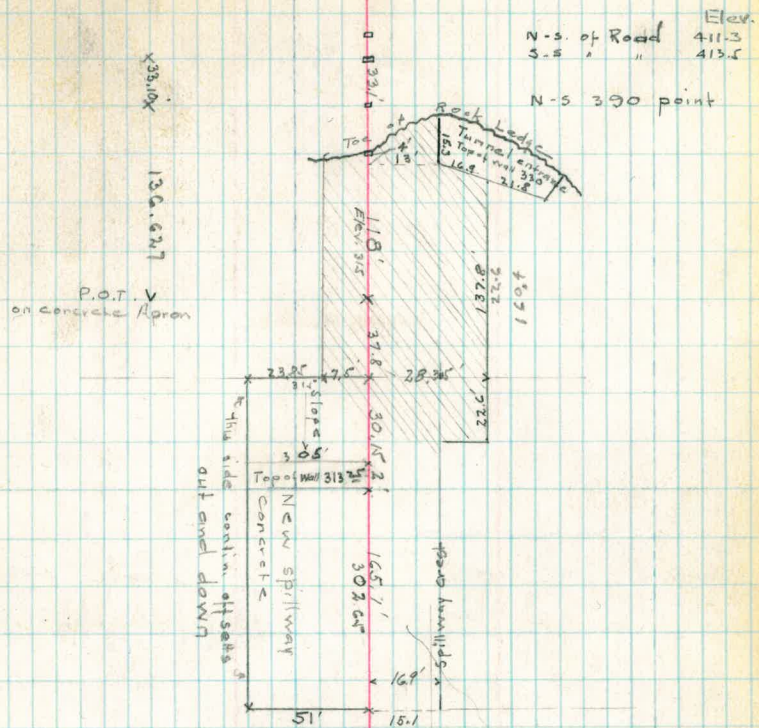
55-34	217.18 = 2.336660
111 08	46-47 1/2 = 9.862650
55-34	2.199471
46-47	55-34
93-35	4
46-47 1/2	91.6391
	2.283130 = 191924
	2.336660
	38.2212 = 9.792956
	2.129777
	39-16 = 9.801366
	2.328428 = 2.1302

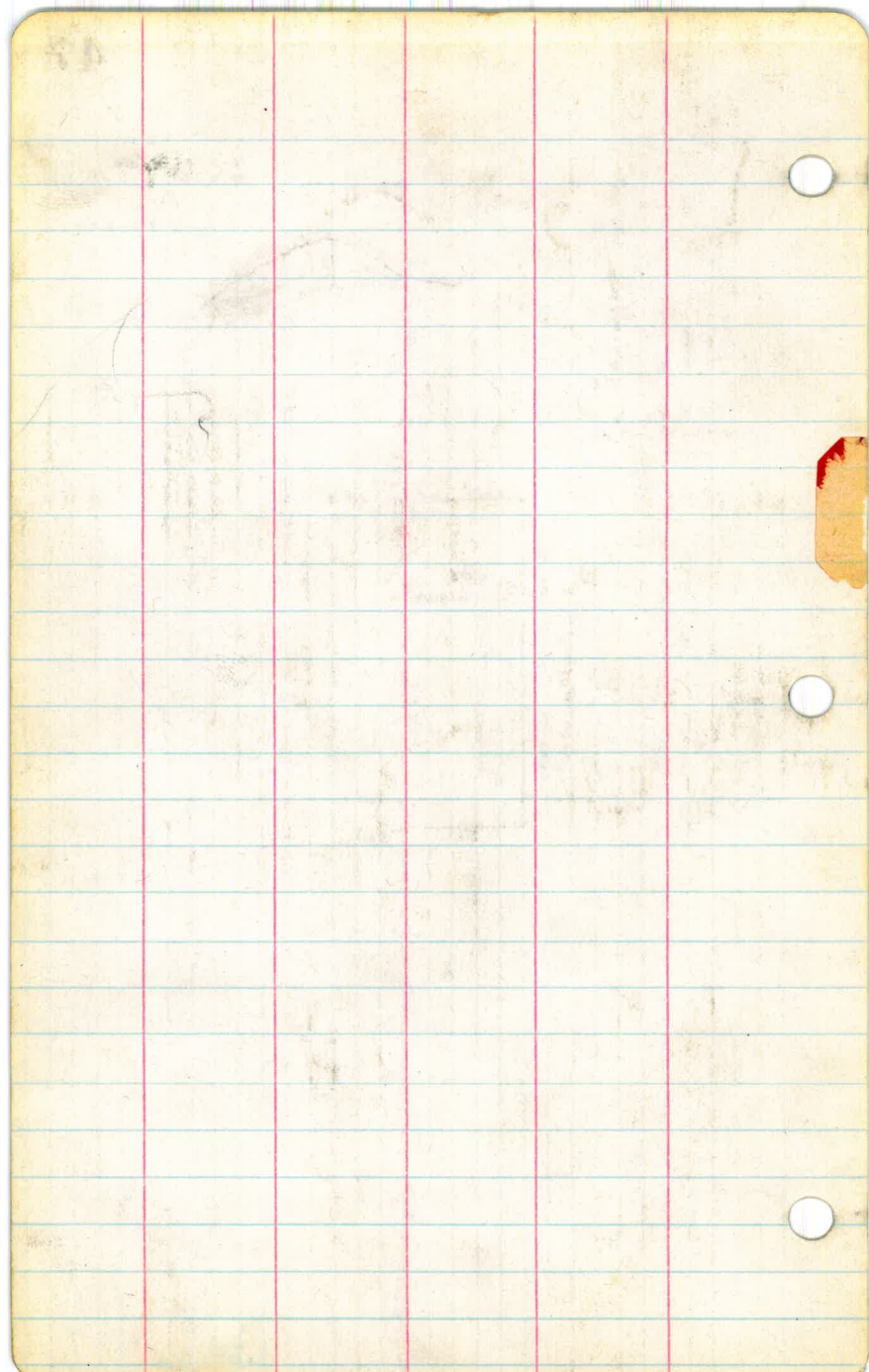
85-10  
170-20  
85-10  
77-39  
45-17  
77-38.30

D=41 VA=35.32 HD=32.56



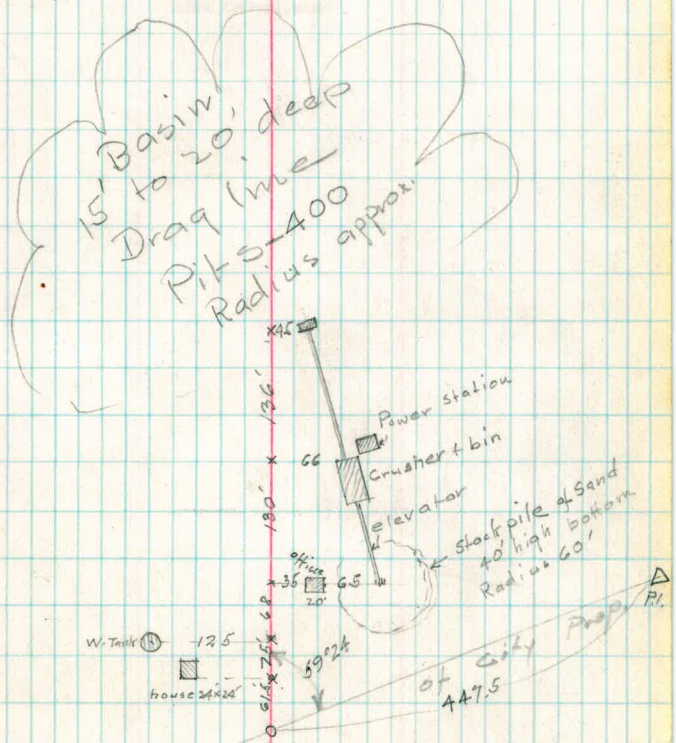
2.13.02  
17.3  
199.72



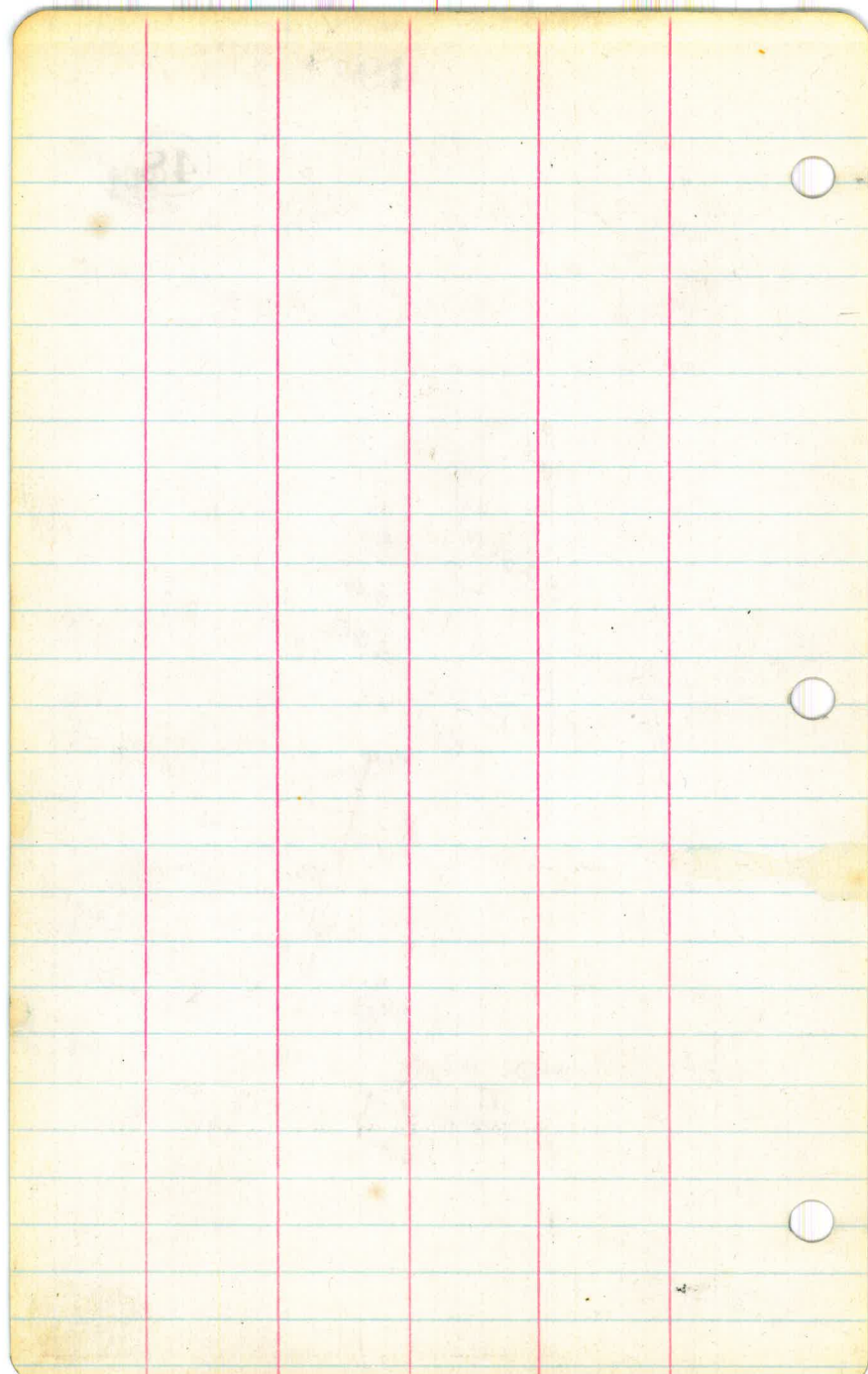




# SKETCH of Gravel & Sand Plant on City Property



South Bay



Relocation of Property  
Lines and Corners. Lots 32 and 35  
Rancho Ex Mission, (Mission Valley)

Pages 1-5.

July, 1928.

Converse

Goodbody

Kiernan

12+40° Δ.

8 +17.6 P.O.T.

6+13.4

5+07.03

1+66 Fence

1+14 Fence.

0+00

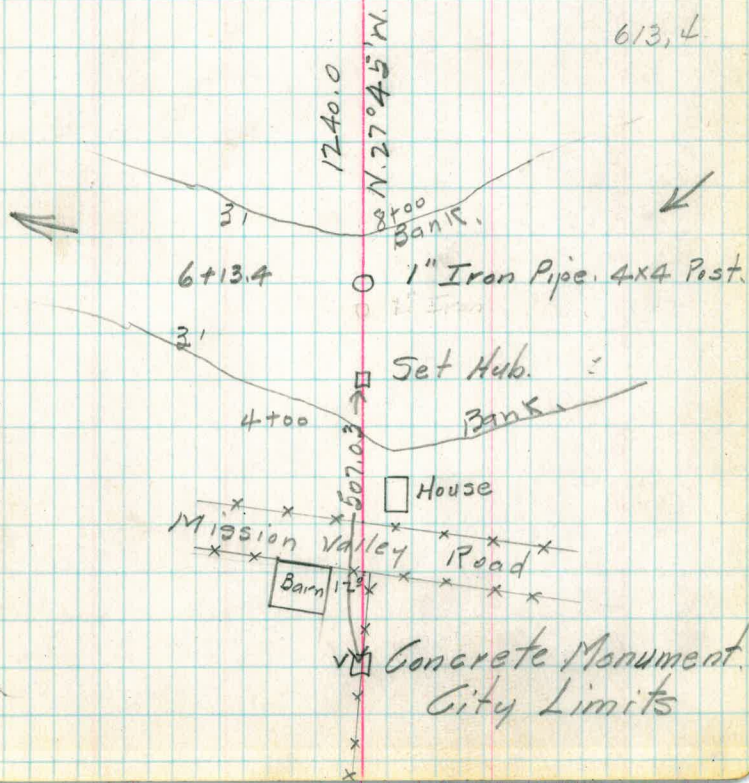
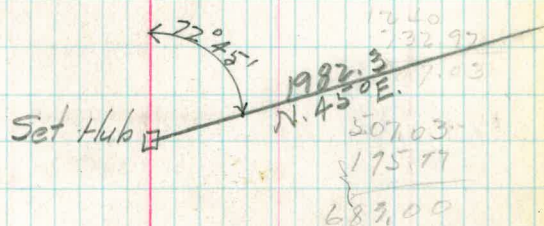
N.27°45'W.

Concrete Mon.  
City Limits 50

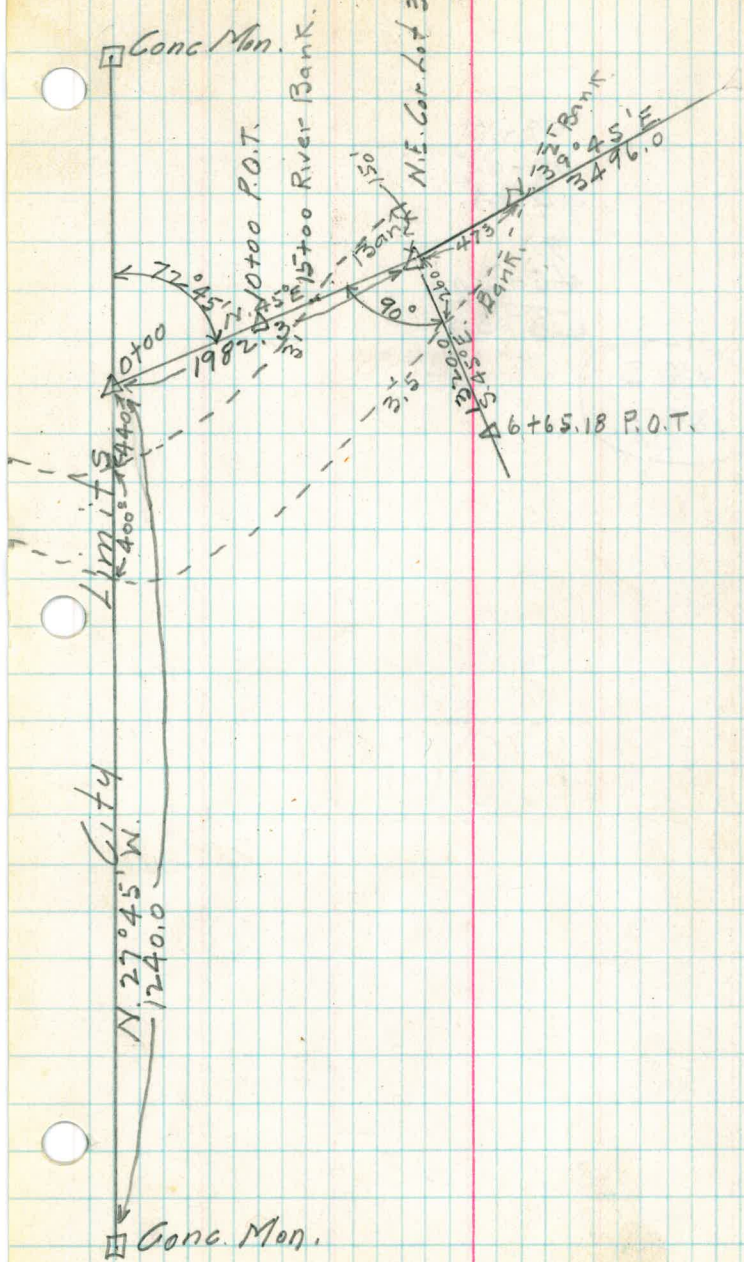
1240  
557  
683

732.97  
557.00  
175.97

27-45  
45  
72-45



$$\begin{array}{r} 45 \\ 39-45 \\ \hline 5-15 \end{array}$$



$$\begin{array}{r} 59-17 \\ 39-45 \\ \hline 99\ 02 \\ 90 \\ 46-30 \\ \hline 43^{\circ} 30 \end{array}$$

1.6 S.  
18.9 E.



52 E. Cor. A

(A)

N.E. Cor. Lot. 35, Rancho Ex Mission

34+96

2400

Edge Old

39+00

25+00

19+62

19+44

11+12

14+00

14+00 P.O.T.

9+00 P.O.T.

14+00

14+00

14+00

14+00

14+00

14+00

14+00

14+00

14+00

14+00

14+00

9+00

P.O.T.

9+86

14+00

59°17'E

2840.0

Lot. 35

East

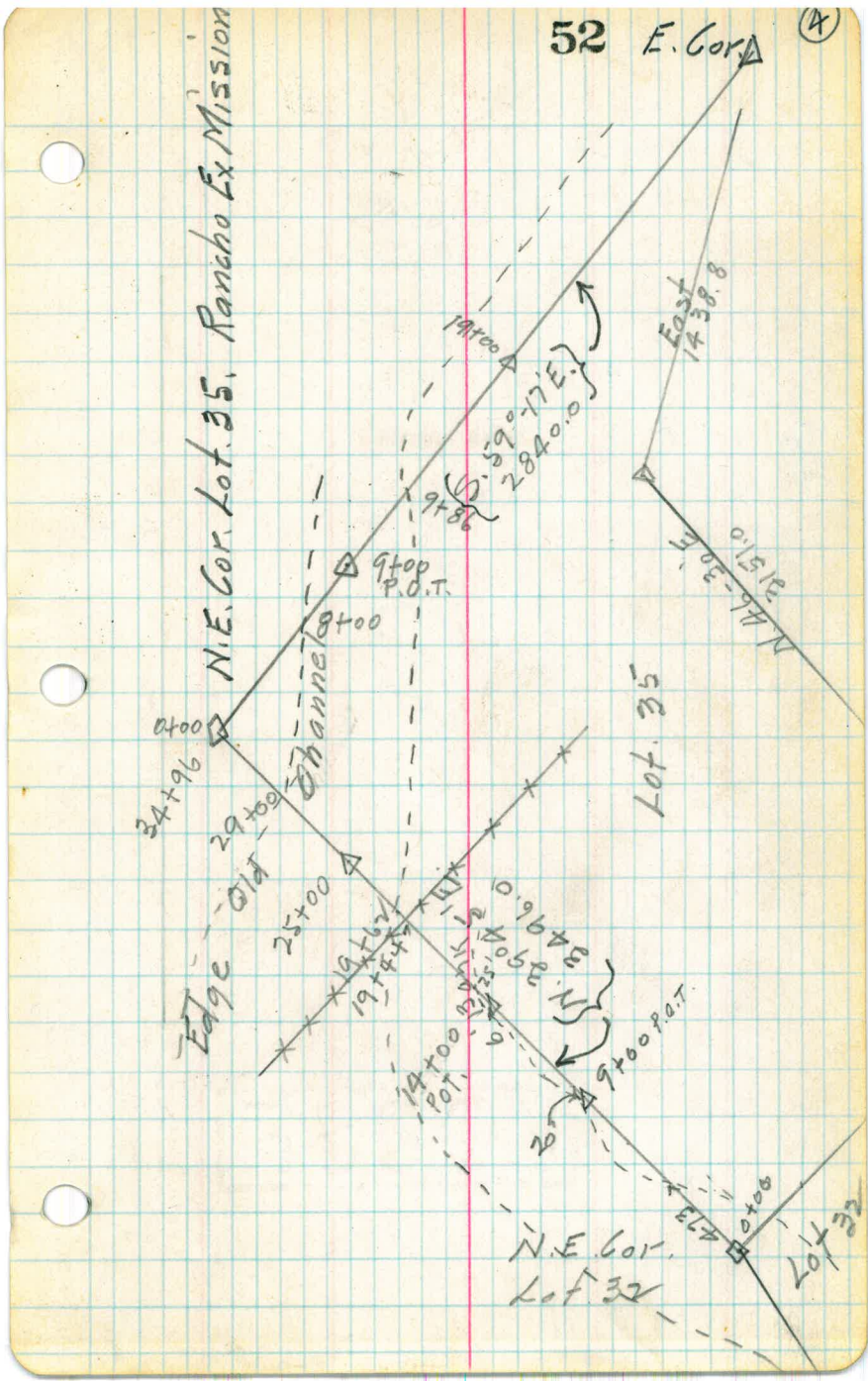
1438.8

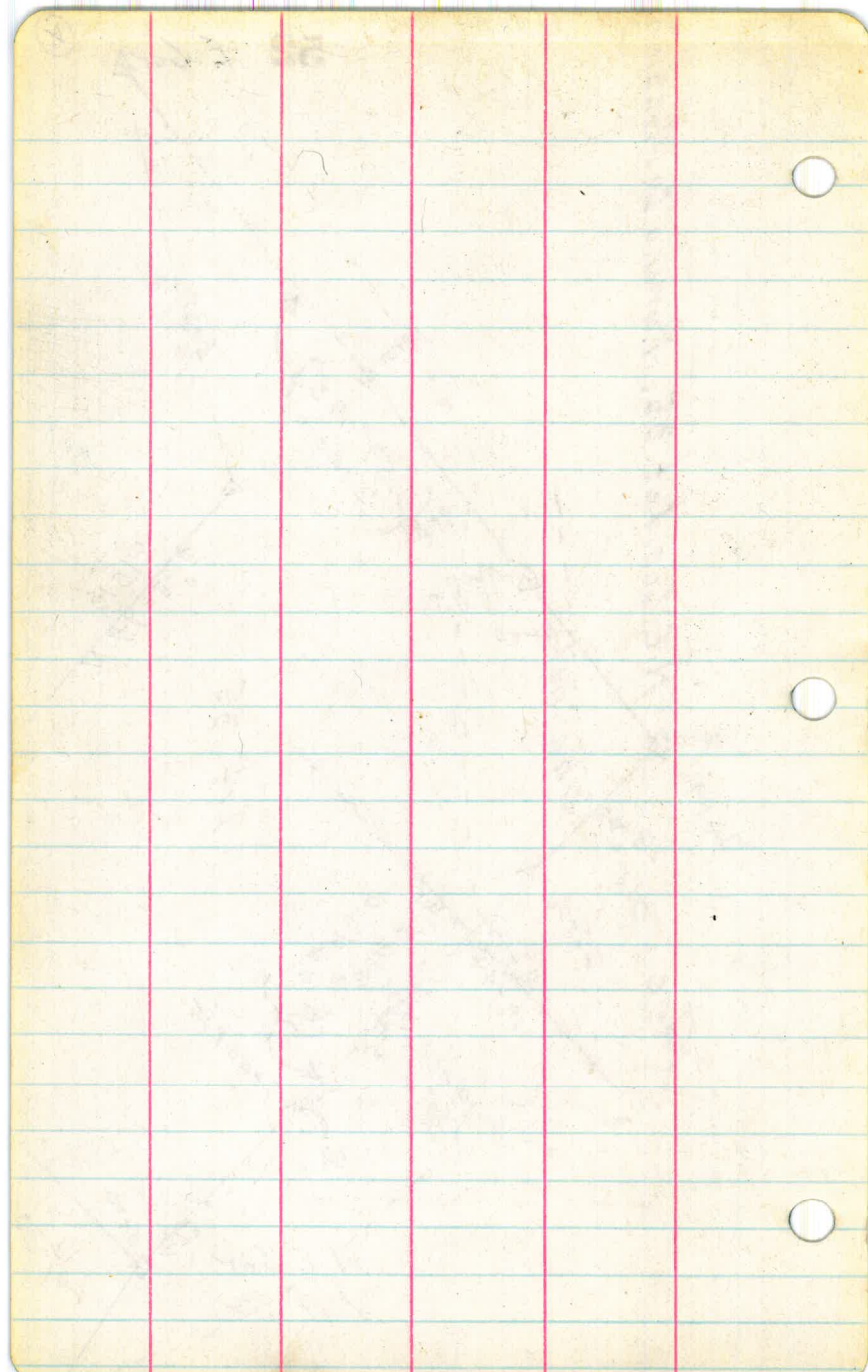
N 41-30 E

2151.0

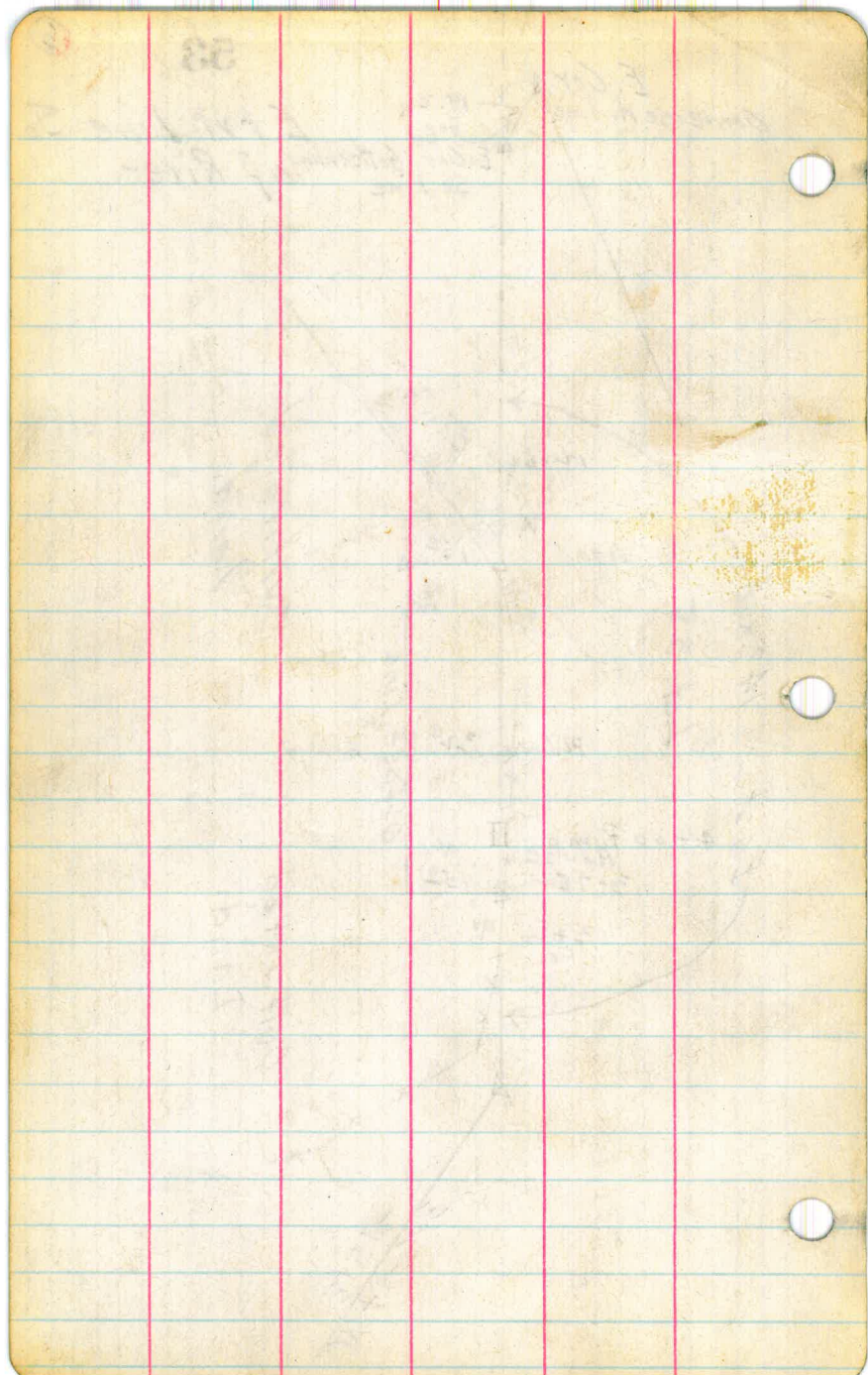
N.E. Cor. Lot 32

Lot 32









## Sand Line Surveys

(Stadia)

## San Pasqual

Page # 1-3 Geo. Prentice Triangle.

Page 1-2. E. Line Bernardo Ranch.

" 4 Janet Prentice. W. Sand Line.

5-8. Story + White Property and E. Sand  
Line Janet Prentice.

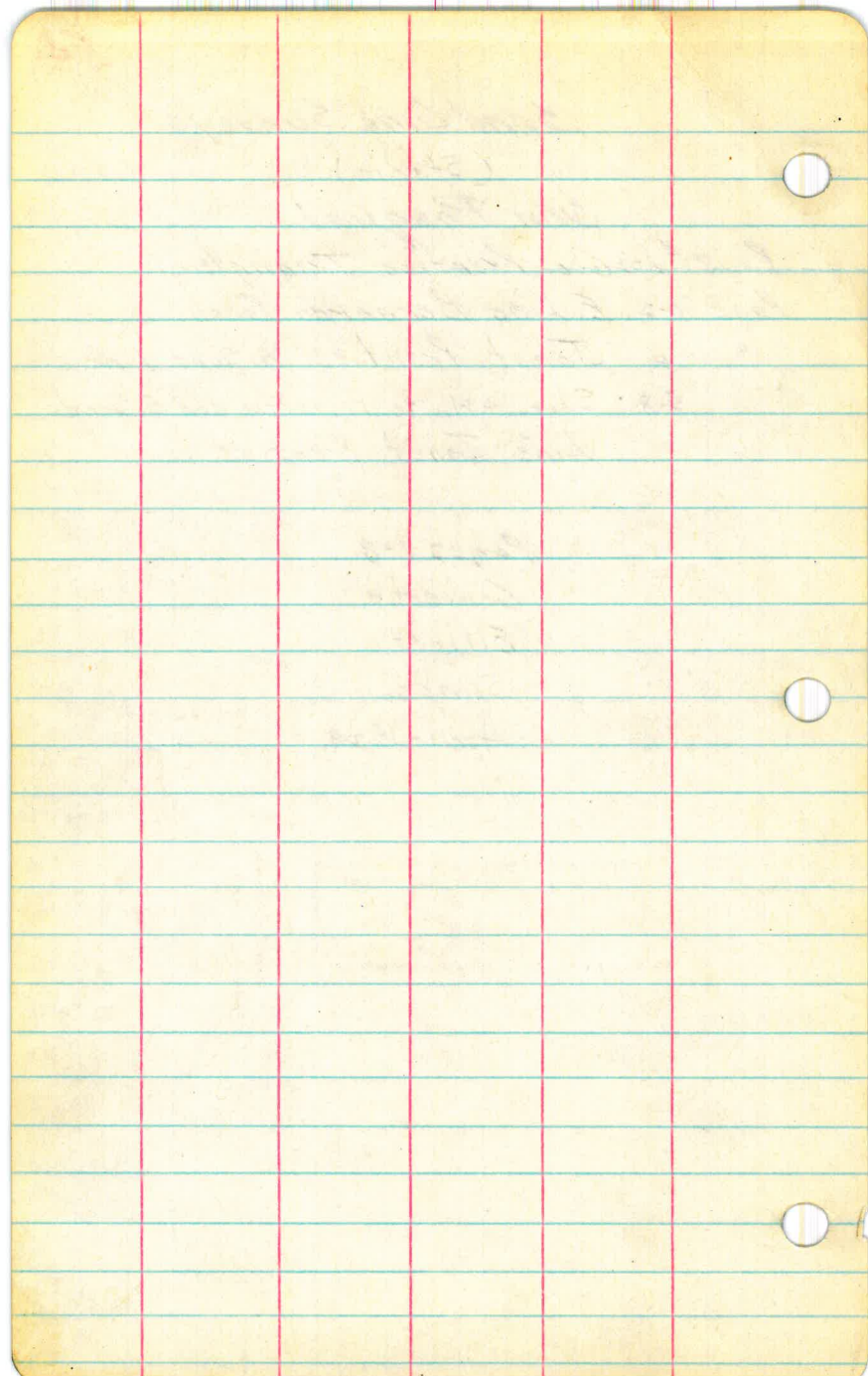
Pages 1-8.

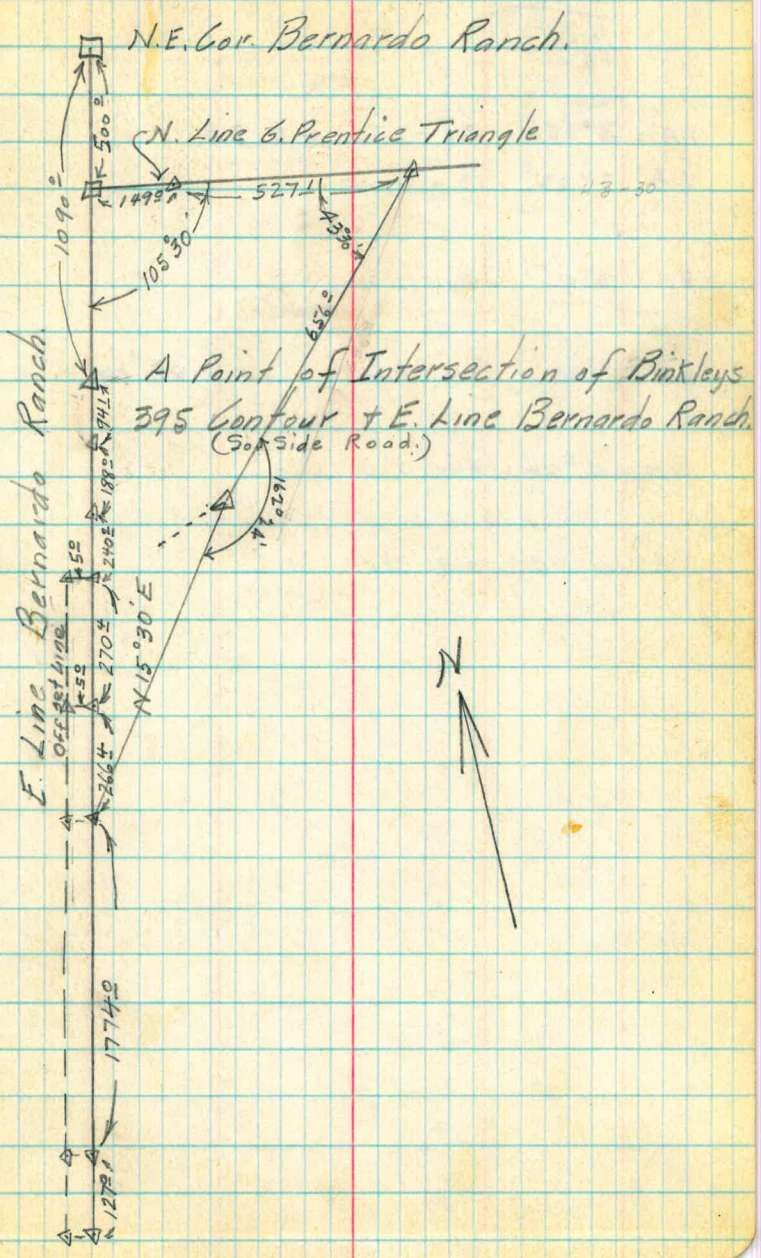
Converse

Elliott

Simpson

April - 1929.





98°-55'

13.00  
6.48  

---

6.52  
13.04

6.26  
4.00  

---

2.26

183-37  
162.24  

---

21 13

V.A = 4°05' 2.0 - 7.30 = 528.3

V.A 2°25' 13.0 - 1.00

V.A. 3°0' 9.0 - 12.48

V.A 5°40' 0.0 - 13.20 + 44' HOC

V.A = 5°04' 4.44 - 7.30

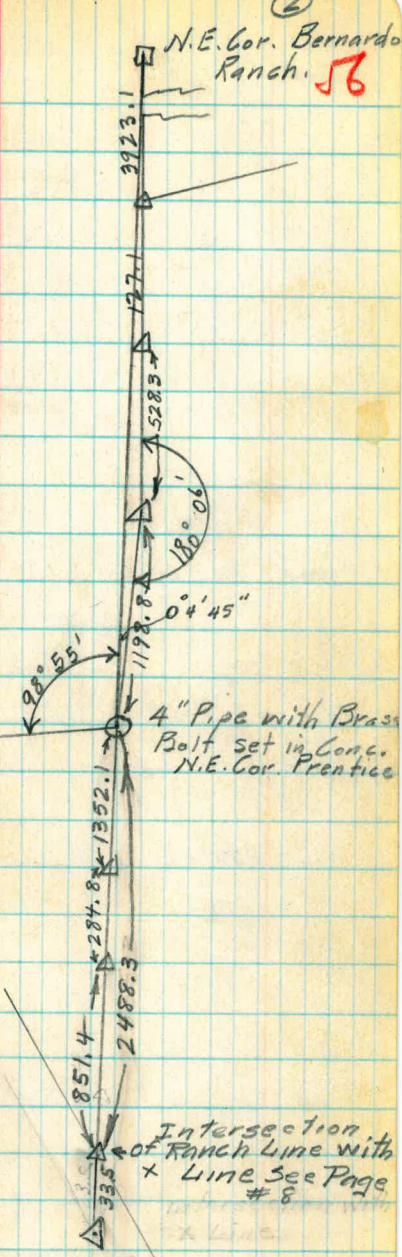
V.A 6°40' 4.04 - 13.0



4" Pipe with Brass Plug Set in Concrete

N.W. Cor. Prentice

N.E. Cor. Bernardo Ranch. 56



4" Pipe with Brass Bolt set in Conc. N.E. Cor. Prentice

Intersection of Ranch Line with X Line See Page # 8

527.1  
149.  

---

676

N. E. Cor. Bernardo Ranch.

③

57

E. Line Bernardo Ranch.

N. 15° 30' E.

Sand

1304.0

Line 500.0

500.0

N. Line G. Prentice Triangle East

676.1

433.30

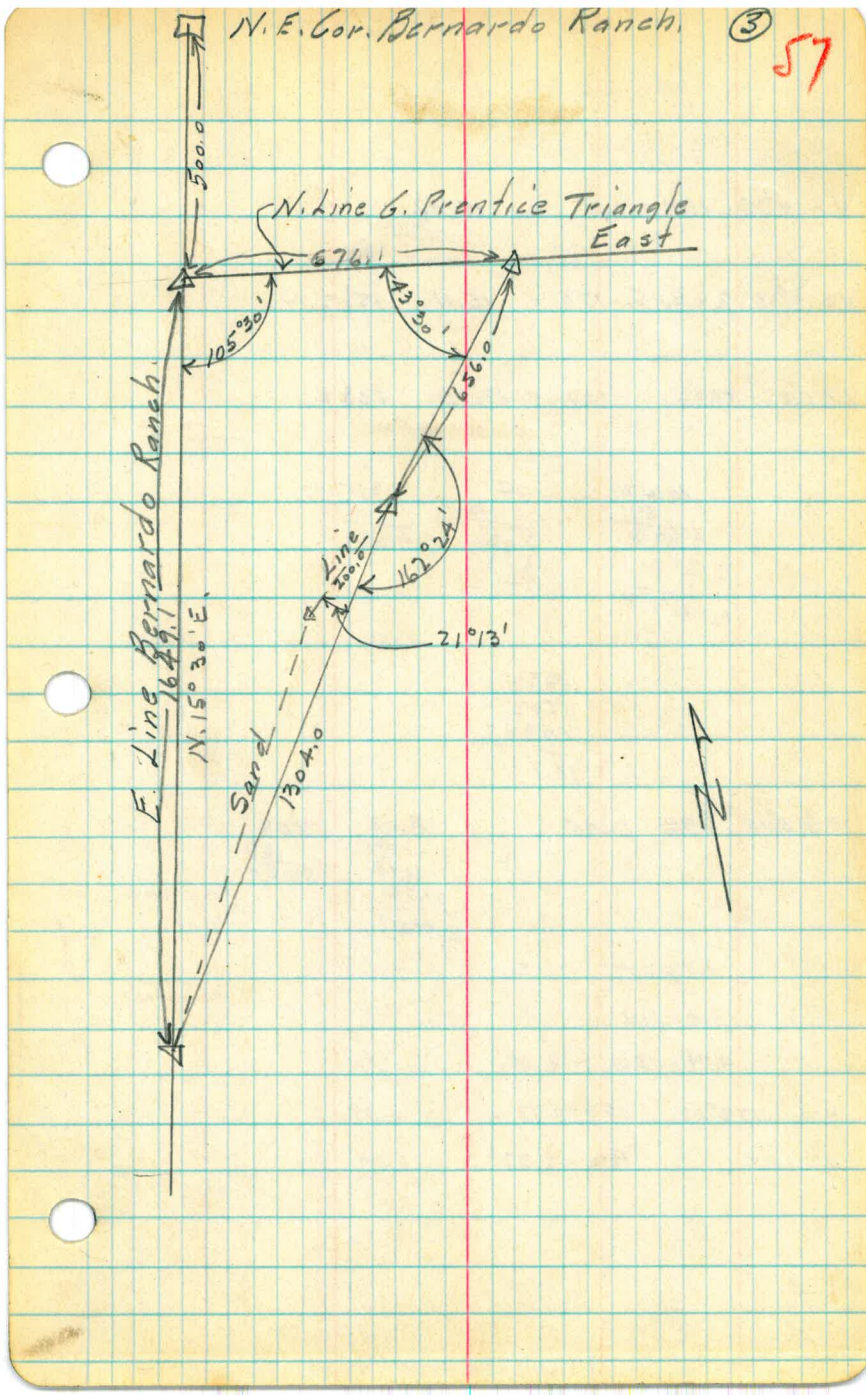
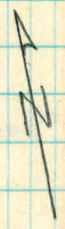
656.0

105° 30'

143° 30'

122° 24'

21° 13'



$$V.A. 4^{\circ}25' 2.59 - 13.0 = 10.42$$

$$\begin{array}{r} 13.00 \\ 2.59 \\ \hline 10.35.85 \\ 6.15 \end{array}$$

$$V.A. 4^{\circ}08' 2 \times 5.45 - 13.0 = 15.11 \quad 1503.14$$

$$V.A. 1^{\circ}35' +0.32 - 13.0 = 13.33 \quad 1332.1$$

$$\begin{array}{r} 10.42 \\ .59 \\ \hline 9.378 \\ 5.210 \\ \hline 6.1478 \end{array}$$

$$\begin{array}{r} 15.11 \\ .52 \\ \hline 3.022 \\ 7.555 \\ \hline 7.8572 \end{array}$$

$$\begin{array}{r} 13.33 \\ .07 \\ \hline 9.331 \end{array}$$

$$\begin{array}{r} 1332.1 \\ 1503.1 \\ 1035.8 \\ \hline 3871.0 \end{array}$$

$$V.A. 3^{\circ}15' 4.93 - 13.0$$

$$\begin{array}{r} 8.08 \\ .32 \\ \hline 16.16 \\ 2.424 \\ \hline 2.5856 \end{array}$$

$$\begin{array}{r} 808. \\ .26 \\ \hline 805.4 \end{array}$$

$$4.0 - 7.09 = 3.10$$

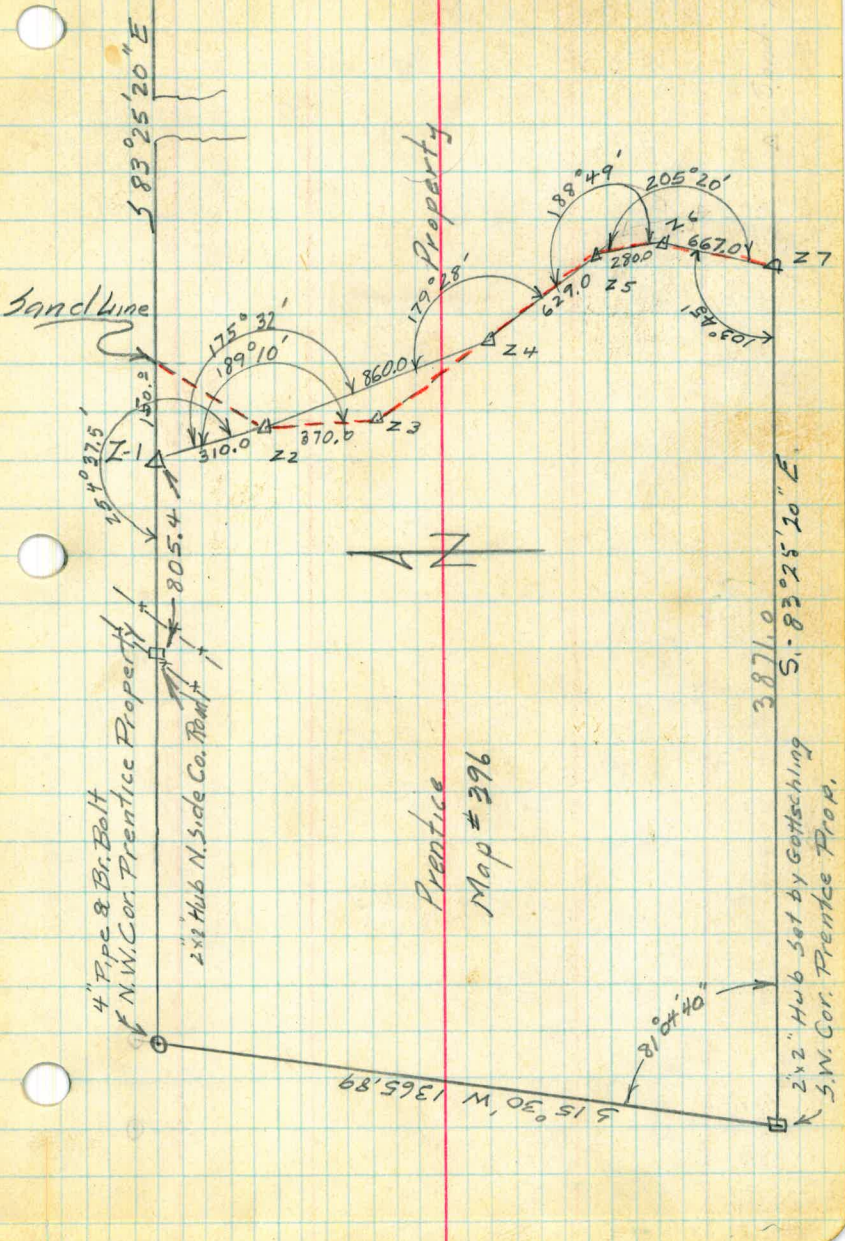
$$3.0 - 6.69 = 3.70$$

$$4.41 - 13.0 = 8.60$$

$$4-5 \quad 179^{\circ}28' \quad 13.0 - 6.72 = 6.29$$

$$13.0 - 6.37 = 6.64$$

4" Pipe with Brass Bolt Set in Concrete



4" Pipe & Br. Bolt

N.W. Cor. Prentice Property

2x2 Hub N. Side Co. Point

Prentice Map # 296

2x2 Hub Set by Gattschling S.W. Cor. Prentice Prop.

$S. 15^{\circ} 30' W$  1365.89

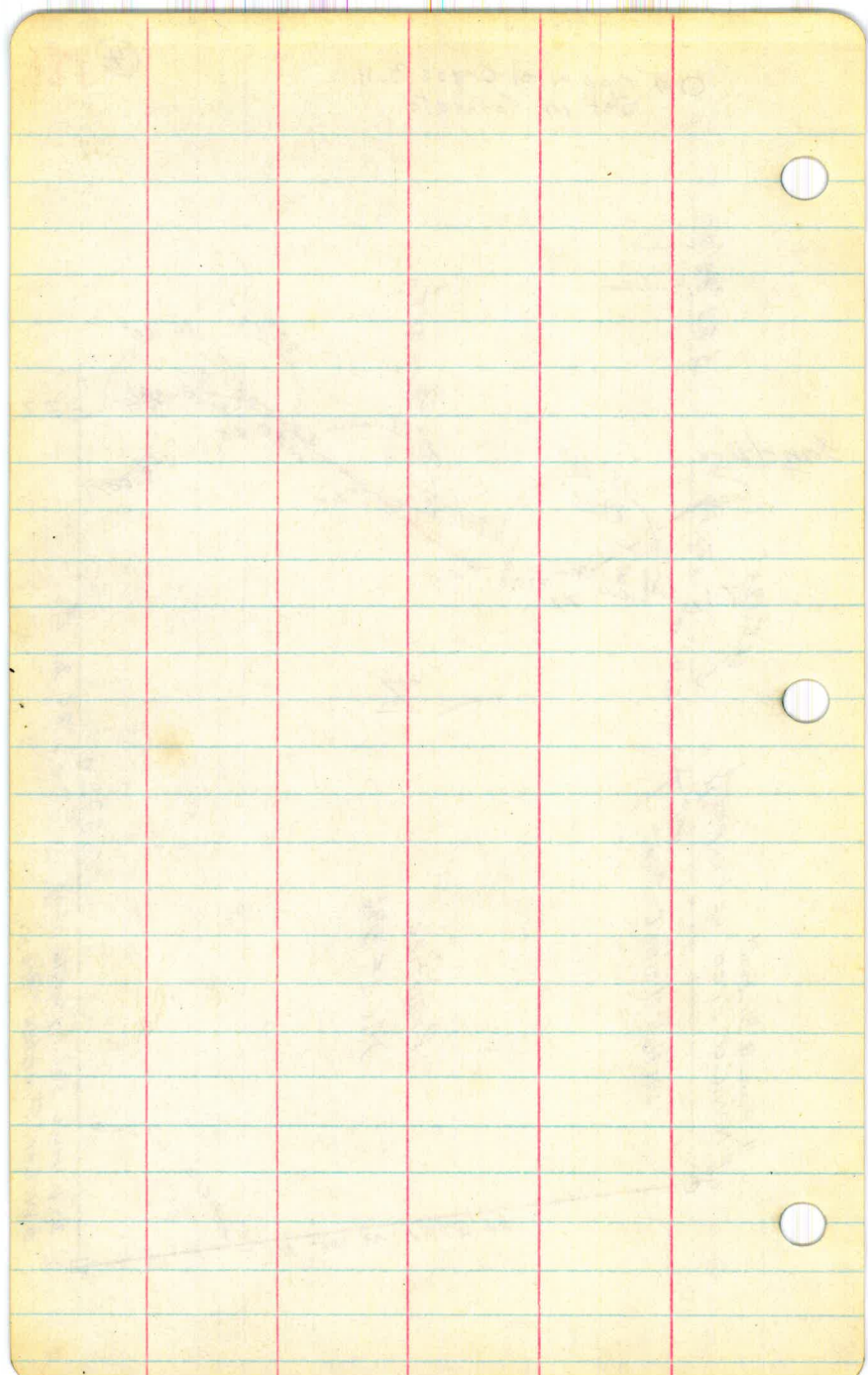
$81^{\circ} 40'$

387.0

$S. 83^{\circ} 25' 10'' E$

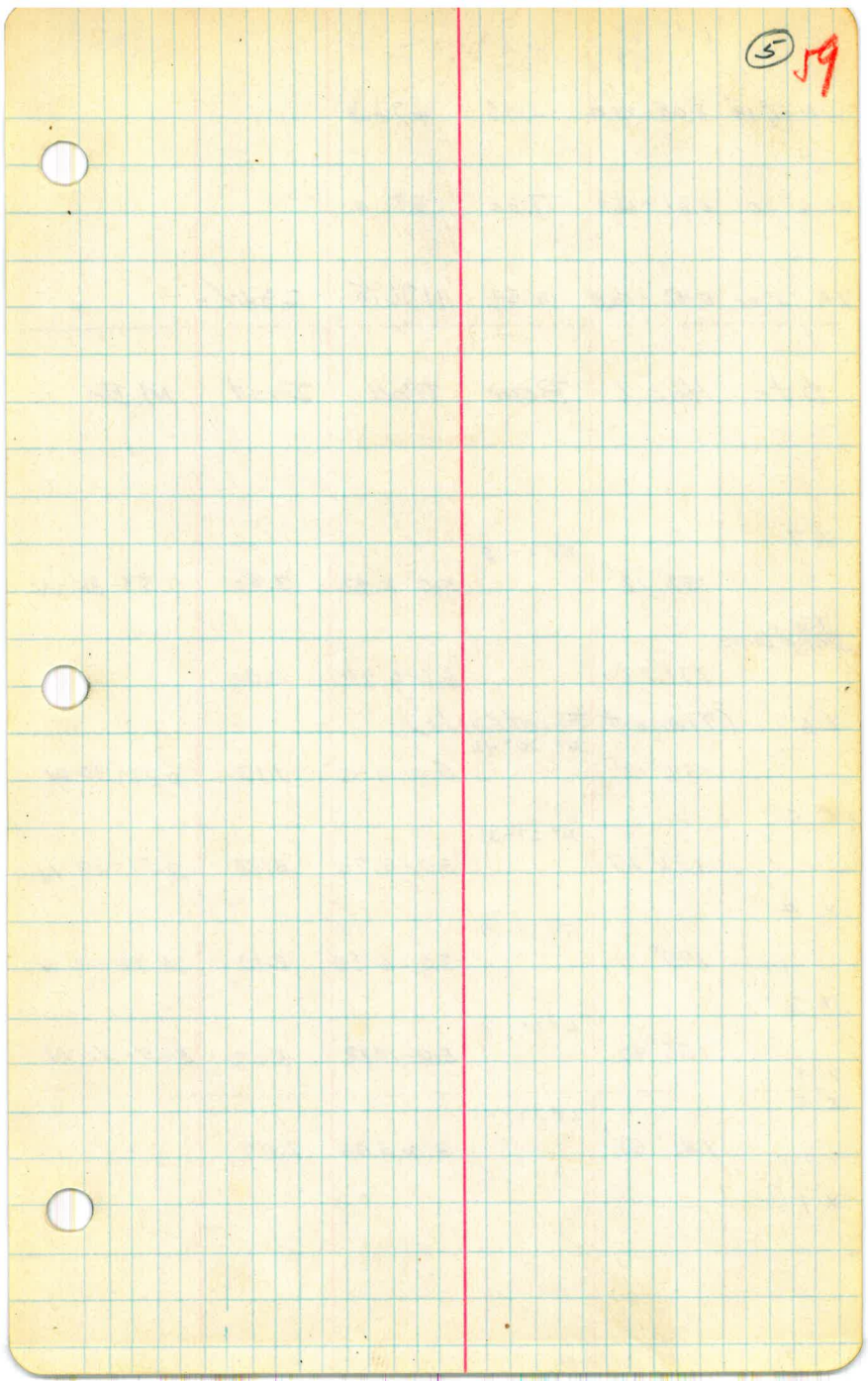
sandline





5

59



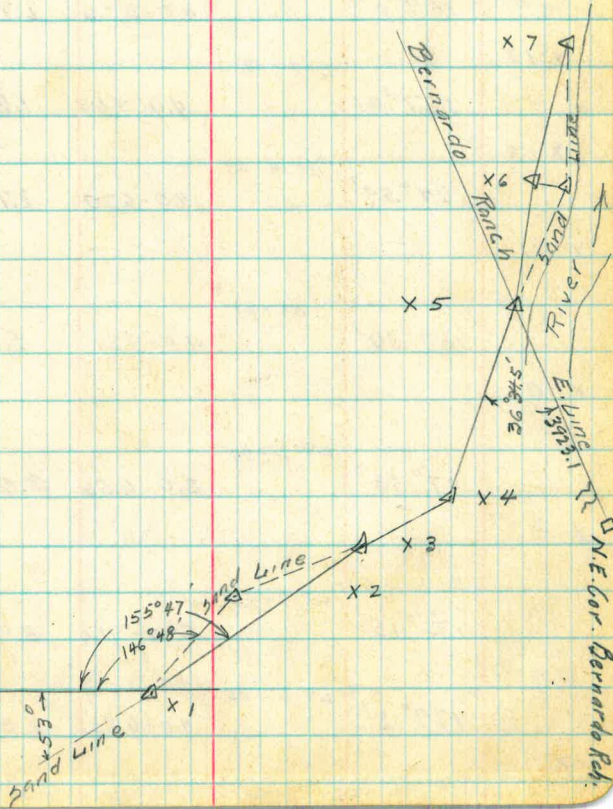
		$\begin{array}{r} 13.0 \\ .42 \\ \hline 12.58 \end{array}$	$\begin{array}{r} 13.0 \\ 8.02 \\ \hline 4.98 \end{array}$		
V.A. $11^{\circ}14'$	8.08-13.0	4.93	474.3		
V.A. $6^{\circ}30'$	6.01-13.0	7.00	691.0		
V.A. $14^{\circ}50'$	0.42-13.0	12.59	1176.5	2347.0	
<hr/>					
Sta	Hor. L	Bear	Rod	Dist	M. Br.
X 2					SEE P. 5
X 7		RT 2-18			
	$182^{\circ}18'$		5.0-8.92	3.93	533-30 W
X 6					
	$271^{\circ}21'$		6.0-6.29	0.30	
X 6	(Transit Point Only)	LT 20-42			
	$159^{\circ}18'$		5.0-6.12	1.13	531-30 W
X 5		LT 27-33			
	$152^{\circ}27'$		3.0-8.72	5.73	551-30 W
X 4		RT 13-19			
	$193^{\circ}19'$		3.0-6.09	3.10	579-0 W
X 3		LT 24-13			
	$155^{\circ}47'$		5.0-10.28	5.29	565-30 W
X 1					
X 2		LT 33-12			
	$146^{\circ}48'$		3.0-5.06	2.07	
X 1					



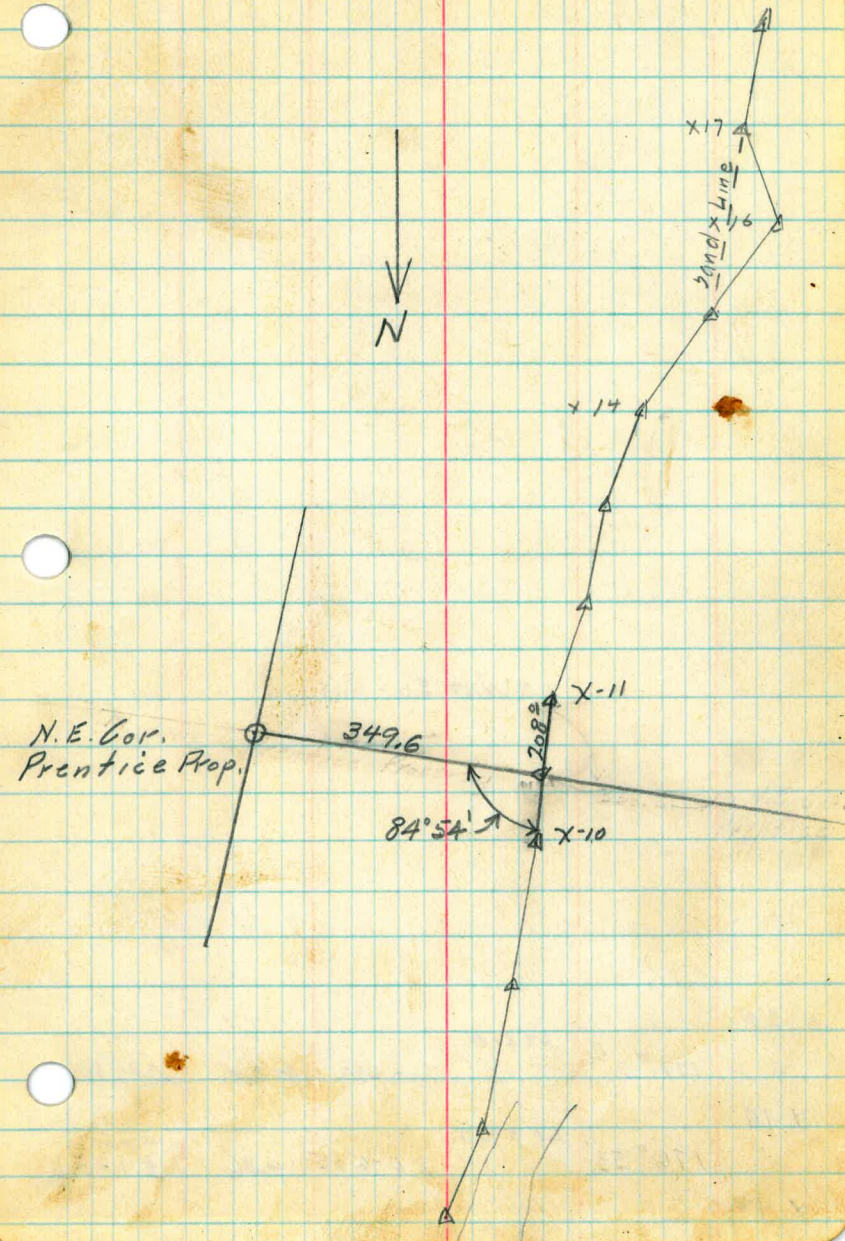
660



5	6	T13'S
32	31	T12'S



Sta	Hor. L	Bear	Rod	Dist	M. Br.
X 18	220° 51'	RT 40-51	3.0-6.75	3.76	S 2-0 W
X 17	122° 33'	LT 57-27	4.0-5.45	1.46	S 41-30 E
X 16 (Transit Point Only)	182° 03'	RT 2-03	2.0-5.62	3.63	S 18-45 W
X 15	198° 31'	RT 18-31	4.0-7.0	3.01	S 16-45 W
X 14 <small>Small spider</small>	164° 0'	LT 16°	4.0-6.26	2.27	S 1-40 E
X 13	167° 41'	LT 12-19	4.0-5.63	1.64	S 14-30 W
X 12	194° 59'	RT 14-59	4.0-6.70	2.71	S 26-30 W
X 11	168° 39'	LT 11-21	4.0-9.21	5.22	S 11-30 W
X 10	177° 53'	LT 2-07	3.0-6.06	3.07	S 23-0 W
X 9	172° 15'	LT 7-45	5.09-11.0	5.92	S 25 W
X 8	179° 15'	LT 0-45	4.0-6.53	2.54	S 33-0 W
X 7					



Sta Hor. L Bear Red Dist M. Br.

V.A = 8.57 5.0 - 6.18

X 20

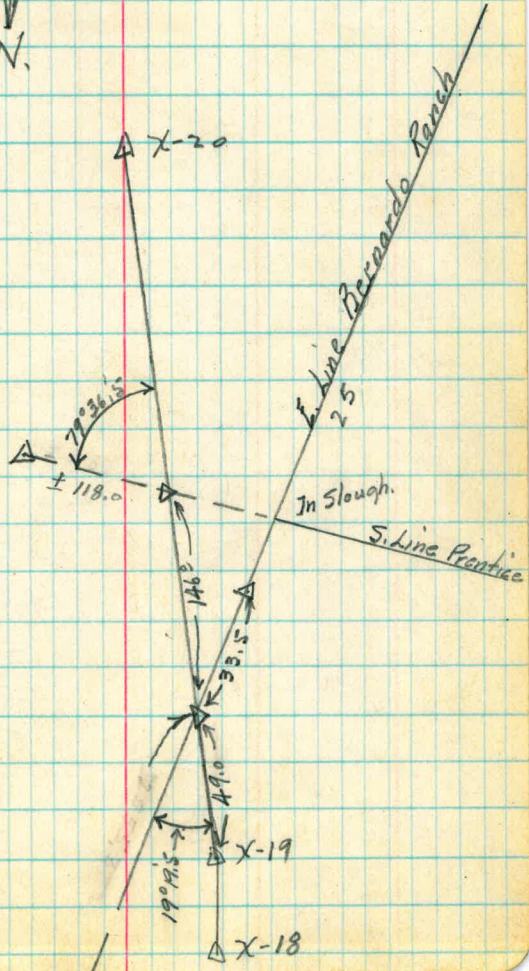
177° 0' 43-0 2.0-6.67 468.0 35.45'

X 19

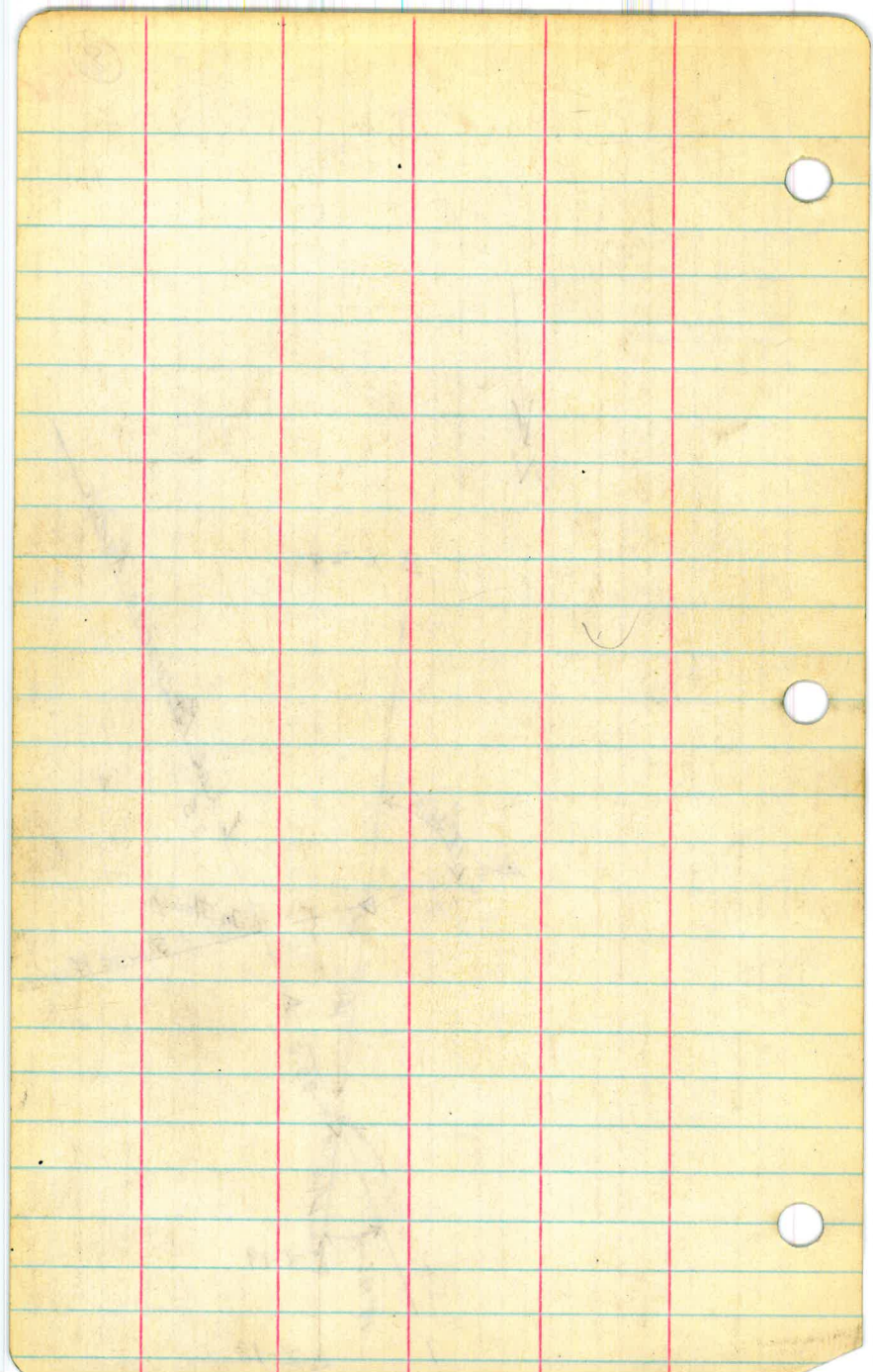
176° 53' 43-07 2.0-6.35 4.36 31.0 F

X 18

8  
62



205  
49  
156



# Sand Line Surveys.

(Stadia)

## San Pasqual Valley

Being a Stadia Survey of Limits  
of Pumping Sands of San Dieguito  
River, thru. Lands not owned by  
City of San Diego, from Center of  
Sec. 32, T. 12 S. R. 1 W. S. B. M. to Approx.  
Center of Sec. 31, T. 12 S. R. 1 E.

April 1929.

Converse

Elliott

Simpson

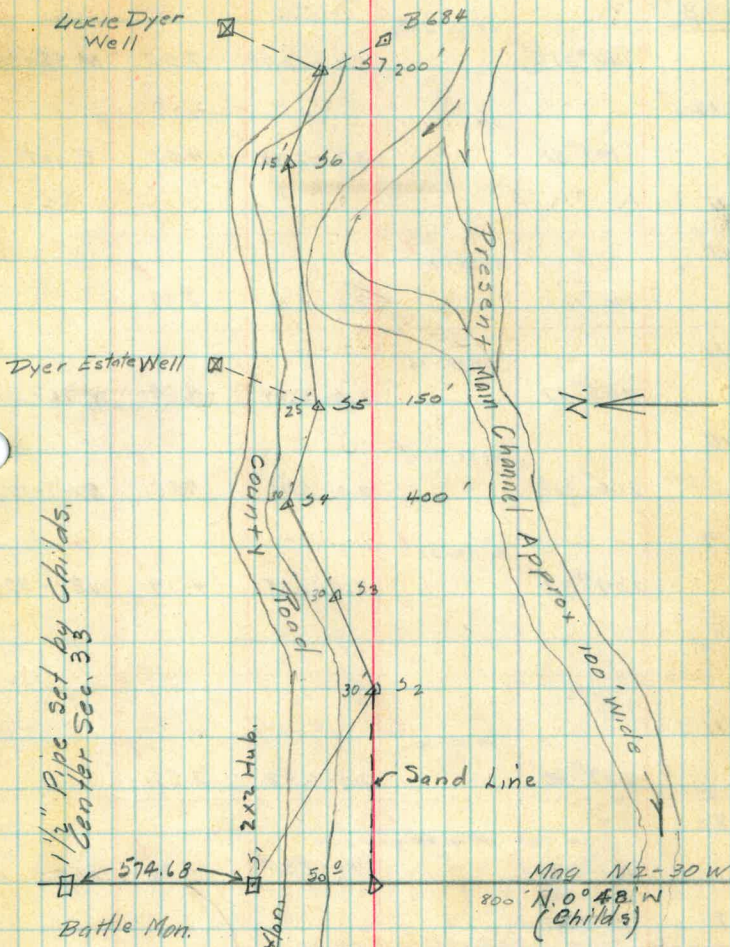
Pages 1-25.

Note: All Angles Az. to the Rt.

Sta.	Hor. L	Defl. L & Bearing	Rod.	Dist.	Mag.
Dam. Well	95°-0'	Lt 85-0 ✓	1.0-3.67	2.68	N 18-45 W
57	186° 05 1/2	Rt 16-05 1/2 ✓	3.0-6.34	3.35	N 67-15 E N 68-15 E
56	169° 13 1/2	Lt 10-46 1/2 ✓	5.0-9.41	4.42	N 61-0 E N 62-0 E
55	135°-0'	45-0 Lt 25-0 ✓	4.0-5.70	1.71	
55	190° 04'	Rt 10-04 ✓	5.0-9.79	4.80	N 71-30 E N 72-30 E
54	170° 46 1/2	Lt 9-13 1/2 ✓	3.0-6.76	3.77	N 67-30 E N 62-30 E
53	144°-26'	Lt 35-34 ✓	4.0-6.30	2.34	N 71-0 E N 72-0 E
52	108° 54 1/2	Lt. 71-05 1/2 ✓	3.0-5.22	2.29	57°-0 E ✓
51	(Note: Transit Point Only - sand line 50' h.)				



299.68  
 275.  
 574.68



1 1/2" Pipe set by Childs.  
 Center Sec. 33

Set by Childs  
 S.E. Cor. Battle Mon.

Note -  
 For Traverse of Sand  
 Line West. See Page 22

Sta	Hor. L	Bearing	Red	Dist	M. Br.
514		RT 18-41½			
	198° 41½		3.0-5.12	2.13	N 73-0 E
513		LT 35-28½			
	144° 31½		6.0-12.99	7.00	N 55-15 E
512		RT 12-51			
	192° 51		3.0-7.03	4.04	East
511					
Well		RT 35-11			
	215° 11		2.0-4.96	2.97	
511		LT 34-13			
	145° 47'		2.0-5.99	4.00	N 76-31 E
510		RT 26-32½			
	206° 32½		2.0-5.99	4.00	S 69-30 E
59		RT 29-32			
	209° 32'		2.0-6.18	4.19	N 84-30 E
58					
Well		RT 52-30			
	232° 30'		3.0-6.58	3.59	
58		LT 12-50½			
	167° 09½		4.0-8.35	4.36	N 55-E
57					
B 684		RT 46-01			
	226° 31'		3.0-3.73	0.74	
57					



Sta	Hor. L	Bear.	Pod	Dist	M. Br
Well	263°-57'	RT 83-57	10.65-13.0	2.36	
523 Well	173°-30'	LT 6-30	5.0-5.81	0.82	
523					
	195°-16'	RT 15-16	4.55-13.0	8.46	N 82-30 E
522					
	176°-58'	LT 3-02	5.10-13.0	7.91	N 68-0 E
521	175°-25 1/2'	LT 1-14 1/2	3.0-5.36	2.37	N 71-15 E
	178°-45 1/2'	LT 1-24 1/2			
520	186°-24 1/2'	RT 6-24 1/2	3.0-8.25	5.26 5.25	N 76-15 E
519	174°-22'	LT 5-37	6.0-11.65	5.66	N 69-30 E
518	177°-40'	LT 2-20	2.05-13.0	10.96	
517	190°-01'	RT 10-01	4.0-6.77	2.78	N 75-30 E
516	190°-57 1/2'	RT 10-57 1/2	7.0-11.71	4.72	N 66-0 E
515	162°-01 1/2'	LT 17-58 1/2	4.0-9.42	5.43	N 55-0 E
514					



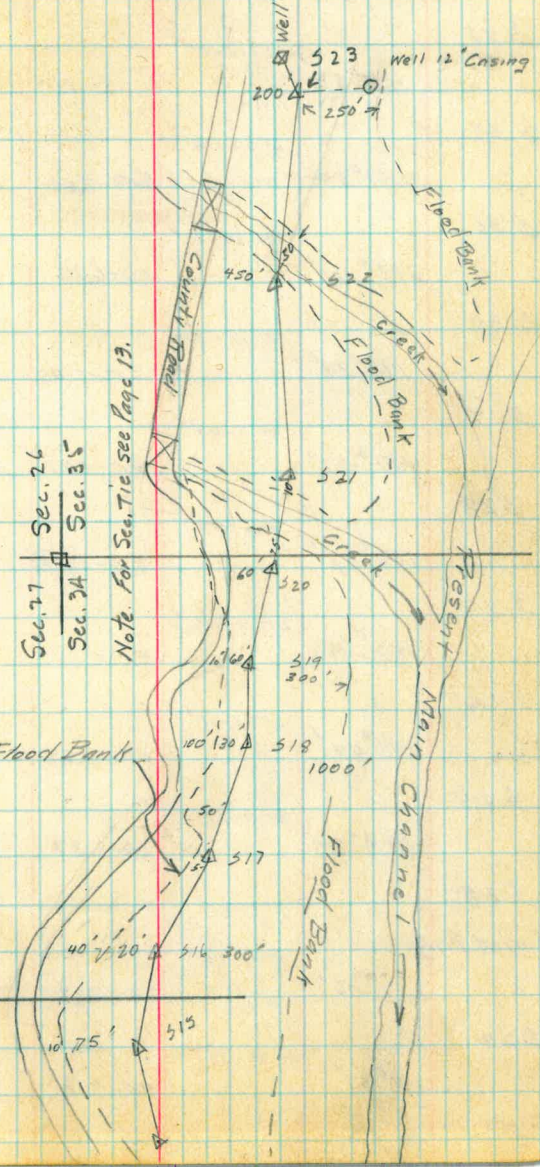
N. 1/4 Cor. Sec. 34.

Note. For Sec. Tie see Page 13.

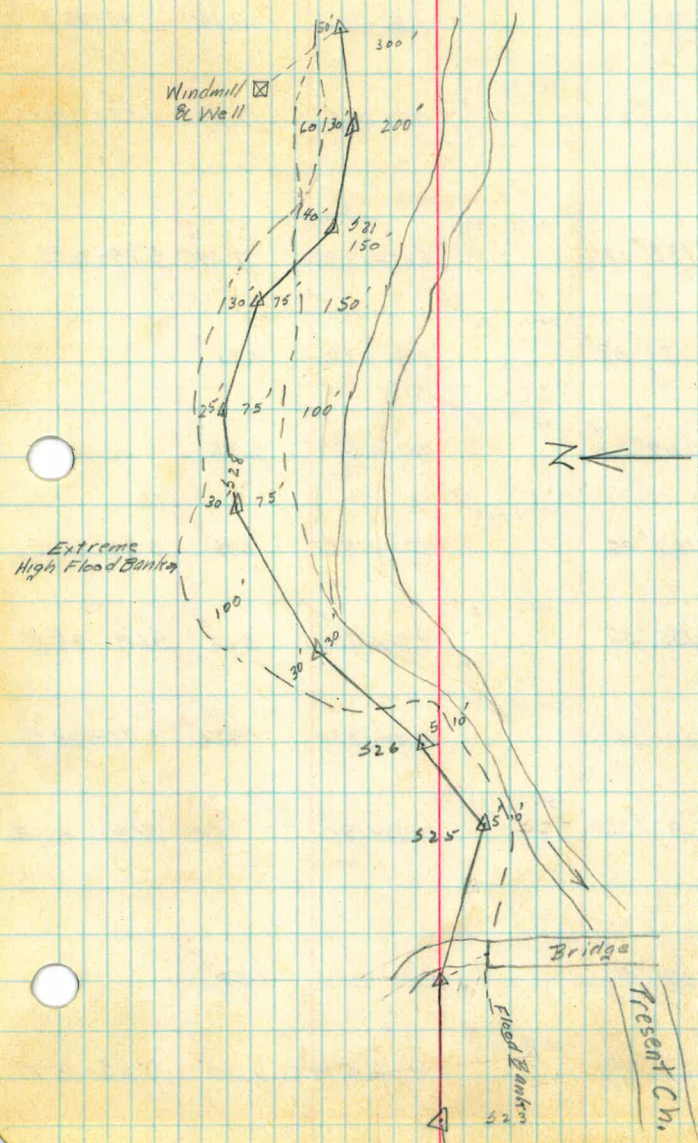
Sec. 77 Sec. 26  
Sec. 34 Sec. 35

Note. For Sec. Tie see Page 13.

Extreme Flood Bank

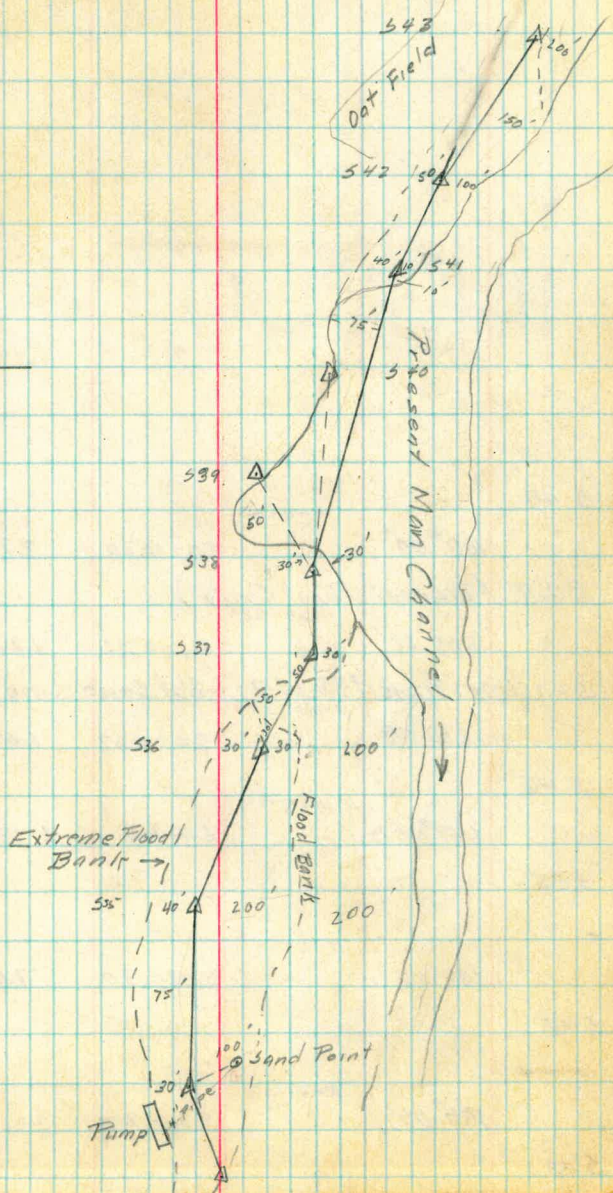


Sta	Hor. L	Bear	Prod	Dist	M. Br
Well		L+153-25 ✓			
	26° 35'		2x11.0-12.75	3.51 ✓	
533		L+114-31 ✓			
	165° 29'		6.55-13.0	6.46 ✓	N 81-15 E
532		L+22-06 ✓			
	157° 54'		5.0-8.66	3.67 ✓	S 87-30 E
531		R+27-01 ✓			
	217° 01'		3.0-6.70	3.71 ✓	S 62-0 E
530		R+17-37 ✓			
	197° 39'		3.0-5.42	2.43 ✓	N 81-0 E
529		R+9-07 ✓			
	189° 07'		4.0-6.87	2.88 ✓	N 63-30 E
528		R+6-02 ✓			
	186° 02'		8.0-12.92	4.93 ✓	N 53° 45 E
527		L+27-11 1/2 ✓			
	152° 48 1/2'		5.0-7.18	2.19 ✓	N 48-30 E
526		L+31-11 ✓			
	148° 49'		6.0-6.55	0.56 ✓	N 75-30 E
525		R+14-27 ✓			
	194° 27'		1.0-3.37	2.38 ✓	S 73-30 E
524					
End of Bridge		R+49-05 ✓			
	229° 05'		2.0-3.18	1.19 ✓	
524		R+10-39 ✓			
	190° 39'		4.0-9.10	5.11 ✓	S 88-30 E
523					



Sta	Hor. L	Bear.	Red	Dist.	M. Bear.
543		RP 12-24 1/2			
	192° 24 1/2'		5.85-13.0	7.16	S 40-45 E
542		RP 21-57			
	201° 57'		4.0-5.85	1.86	S 53-30 E
541					
	185° 18 1/2'	RP 5-18 1/2	5.62-13.30	7.69	S 75-0 E
538					
540		RP 1-28			
	181° 28'		2.0-6.30	4.31	
538					
539		LT 10-27			
	169° 33'		4.0-6.35	2.36	
538					
	167° 46'	LT 12-14	4.0-5.45	1.46	S 80-30 E
537					
	186° 36'	RP 6-36	3.0-6.61	3.62	S 68-45 E
536					
	201° 26 1/2'	RP 21-26 1/2	4.10-12.30	9.21	S 75-30 E
535					
	197° 58'	RP 17-58	7.95-13.0	5.06	N 81-45 E
534					
Sand Point					
	251° 03'	RP 71-03	5.0-5.58	0.59	
534					
	163° 49'	LT 16-11	4.0-5.99	2.00	N 65-15 E
533					





Sta.	Hor. L	Bear.	Rod	Dist	M. Br.
------	--------	-------	-----	------	--------

548

180° 00'

0-0-0

5.0-13.30

8.31

8.30

516-30W

P.O.T. (Transit Point Only)

204° 38'

R+24-38

4.0-5.35

1.36

516-30N

547 (Note: Transit Point Only, Not Sand Line)

230° 58'

R+50-58

3.0-4.67

1.68

58-30E

546

159° 40 1/2'

L+20-19 1/2

6.0-8.16

3.17

559-45E

545

177° 40'

L+2-20

5.94-13.0

7.07

537-15E

544

184° 05 1/2'

R+4-05 1/2

5.30-9.0

3.71

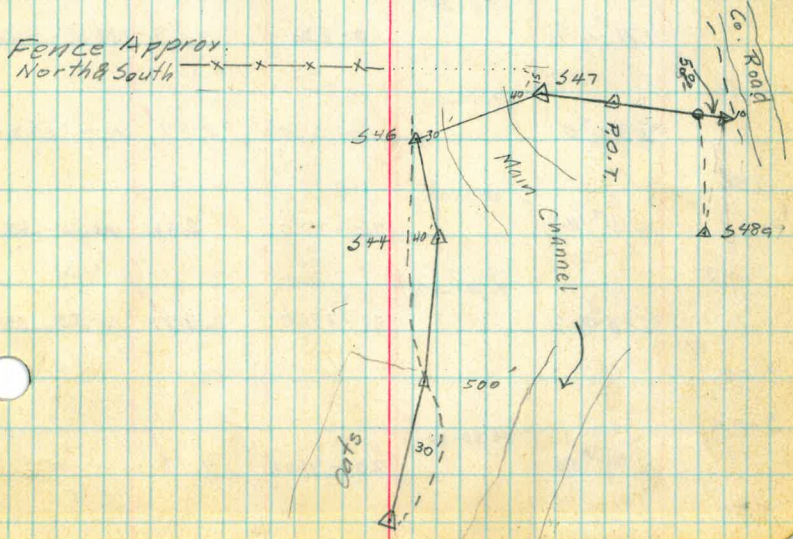
537-30E

543



Note - Traverse of Sands  
Upstream from this point  
Cont'd. on Page 16

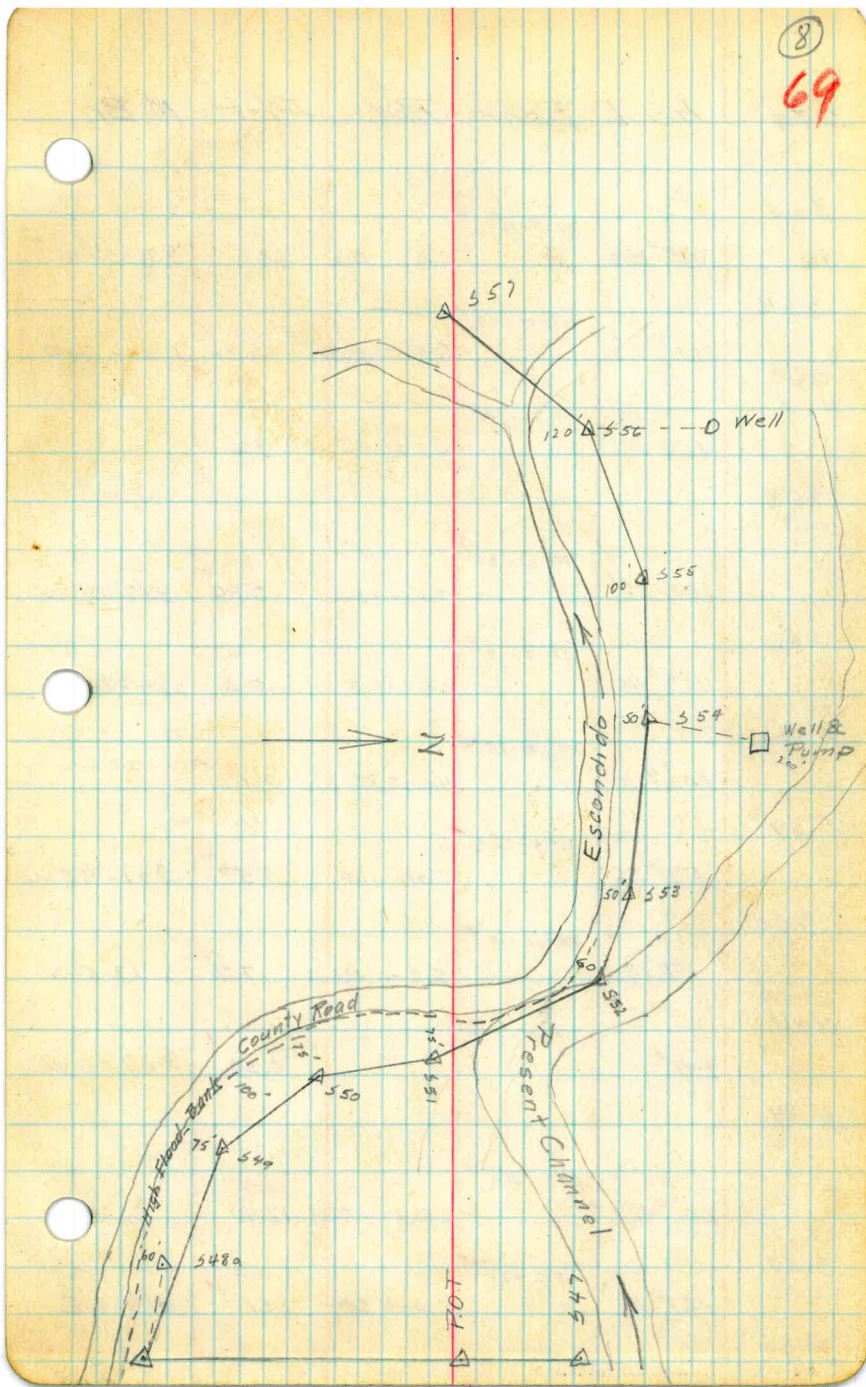
Fence Approx.  
North & South



Sta	Hor. L	Bear.	Rod	Dist	M. Br
557		Lt 17-26 ✓			
556	162° 34'		4.21 - 13.30	9.10	557-0W
Well		Rt 101-52 ✓			
	281° 52'		6.0 - 9.20	3.21	
556		Lt 24-32 1/2 ✓			
	155° 27 1/2'		3.50 - 9.0	5.51	574-30 W
555		Lt 11-33 ✓			
554	168° 27'		6.0 - 10.73	4.74	N 80-0 W
Well		Rt 105-0 ✓			
	285°		6.0 - 9.62	3.63	
554		Lt 5-44 1/2 ✓			
	174° 15 1/2'		4.62 - 13.30	8.67	N 69-W
553		Lt 46-39 ✓			
	133° 21'		3.0 - 3.64	0.65	N 63-0 W
552		Lt 8-35 1/2 ✓			
	171° 24 1/2'		1.0 - 8.26	7.27	N 16-0 W
551		Rt 27-0 ✓			
	207° 0'		4.0 - 5.88	1.89	N 7-15 W
550		Rt 20-45 1/2 ✓			
	200° 45 1/2'		7.0 - 10.90	3.91	N 34-30 W
549		Rt 108-0 1/2 ✓			
	288° 01 1/2'		5.6 - 13.30	7.71	N 55-15 W
548					
548a		Rt 98-56 ✓			
	278° 56'		7.0 - 11.18	4.19	
548					

8

69

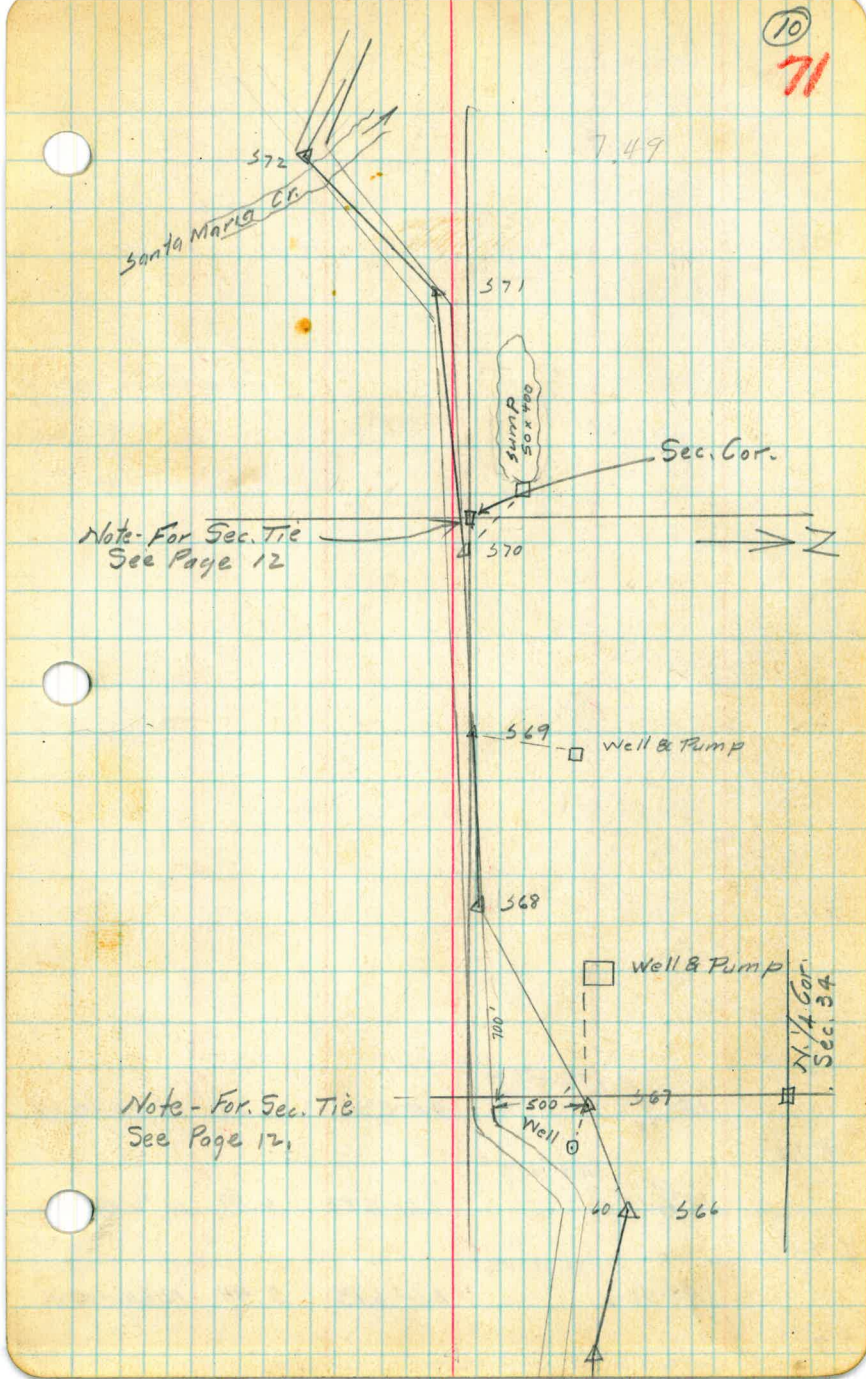


Sta	Hor. L	Bear	Rod	Dist	M. Br.
565	195° 15 1/2'	R+15-15 1/2'	2.3	13.3	11.01 576-15 W
564	159° 11'	L+20-49	0.45	13.30	12.86 561-30 W
563 Well	153° 30'	L+26-30	3.0	6.65	3.66
563	201° 32'	R+21-32	7.21	13.0	5.80 582-0 W
562	167° 46'	L+12-14	2.8	13.3	10.51 559-45
561 Well	242° 15'	R+62-15	4.0	6.62	2.63
561	175° 06 1/2'	L+4-53 1/2'	5.48	11.0	5.53 571-45 W
560	190° 18'	R+10-18	5.6	13.3	7.71 577-0 W
559 Well	297°	R+117-0			0.50 567-0 W
559	201° 41 1/2'	R+21-41 1/2'	227.1	13.3	12.41
558	167° 36'	L+12-24	2.0	4.50	2.51 545-0 E
557					



Sta	Hor L	Bear	Rod	Dist	M.Br
572					
	140° 37 1/2	LT 39-22 1/2	40-13.10	9.11	548-0 W
571					
	177° 46 1/2	LT 2-18 1/2	3.0-10.48	7.49	587-0 W
570 Pump	201° 0	RT 21-0	5.0-6.65	1.66	
570					
	179° 37 1/2	LT 0-22 1/2	2.0-13.30	11.31	588-30 W
569 Well	300° 50'	RT 120-50	5.0-8.75	3.76	
569					
	213° 12	RT 33-12	5.0-12.92	7.93	589-0 W
568					
	176° 25'	LT 3-35	2 x 6.0-11.46	10.93	556-0 W
567 Well	191° 44	RT 11-44	4.0-11.75	7.76	
567 Well	71° 10'	LT 108-50	3.0-5.97	2.98	
567					
	152° 54 1/2	LT 27-05 1/2	2 x 7.82-13.30	10.97	559-45 E
566					
	191° 20 1/2	RT 11-20 1/2	2.92-9.00	6.09	587-15 W
565					





Note - For Sec. Tie  
See Page 12

Note - For Sec. Tie  
See Page 12

Sec. Cor.

Well & Pump

Well & Pump

N 1/4 Cor.  
Sec. 34

569

568

567

566

571

570

572

7.49

Santa Maria Cr.

Summ  
50 x 700

Well

575	151° 47'	Dr 28-13	4.0-6.36	2.37	575-0W
574	167° 10 1/2'	Dr 12-49 1/2	6.0-12.88	6.89	N 76-45
573	248° 11 1/2'	Rt 28-11 1/2	3.0-6.93	3.94	N 64-15W
572					

①  
72

636.1  
17.1  
6.27  
4.  

---

237

636.  
4  

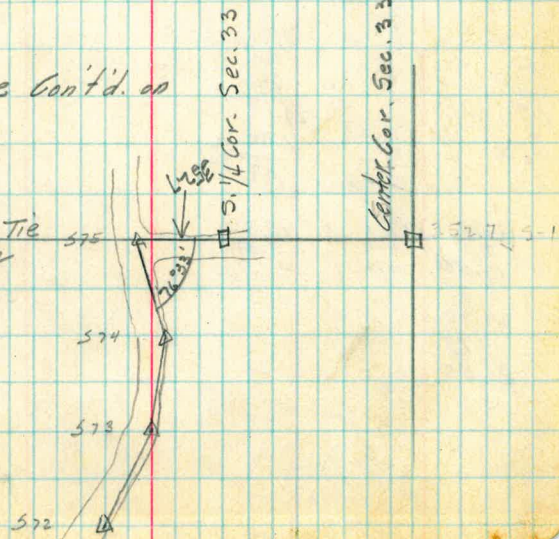
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236



Note - Traverse Cont'd. on  
Page # 21.

Note - For Sec. Tie  
See Page 12



52671

143.7  
2658.6  
2802.3

2673.5  
2670.8  
2.7

2663.6  
2514.9  
148.7

26  
24  
23  
22

2670.76

2658.6  
143.7  
2514.9

7.49  
.15

00873  
2660  
52380  
5238  
1746

60) 2322180

N 89-56 1/2 W  
0 51 W  
89-05 1/2

2789

2802.3  
2670.7  
131.6

13.30  
2.60  
10.70

1070 2802  
848 2789  
871 13

12.71  
4.0  
8.71

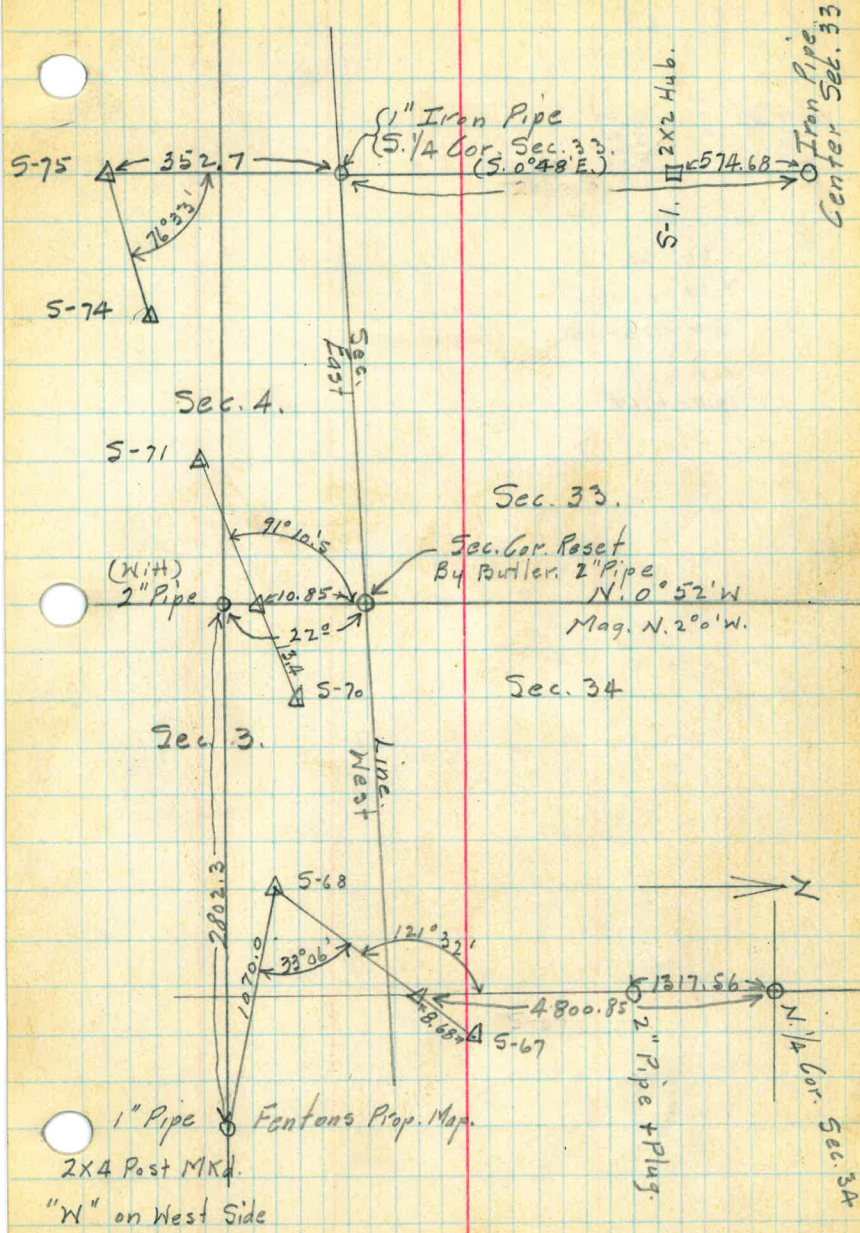
12.48  
4  
8.48

2789  
2670.76  
118.24

13.3  
2.8  
10.50  
8.3  
18.80  
7.75  
26.55

13.3  
5.0  
8.3

13.30  
5.50  
7.75



VA. 7.32'

-13.30

5.94

7.36

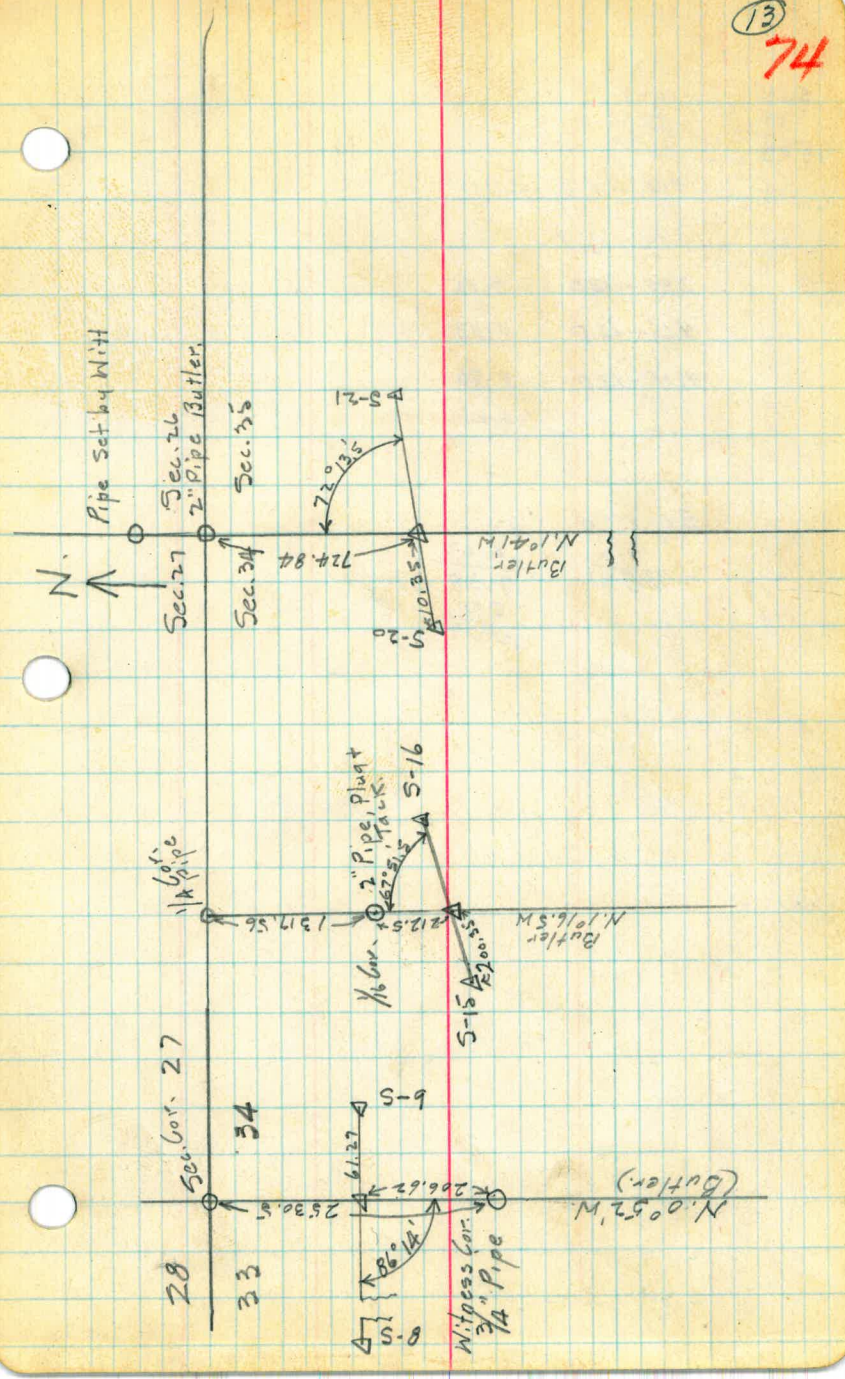
723.34 +

84-03+

168-06-30

84-03-15

6.0-11.64



$$\begin{array}{r} 5.65 \\ 7.39 \\ \hline 13.04 \end{array}$$

$$\begin{array}{r} 12.38 \\ 5.00 \\ \hline 7.38 \end{array}$$

$$90 - 13 - 40$$

$$180 - 27 - 20$$

$$3.95 - 13.0 \quad 9.06$$

$$4.68 - 13.0 \quad 8.33$$

$$4.15 - 13.0 \quad 8.86$$

$$\underline{26.25}$$

$$\begin{array}{r} 3.0 - 8.20 \\ 3.0 \\ \hline 5.21 \end{array}$$

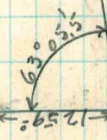
$$\begin{array}{r} 12.0 \\ 4.63 \\ \hline 7.38 \\ 5.21 \\ \hline 12.59 \end{array}$$



Sec. 27      Sec. 26  
-----  
2" Pipe

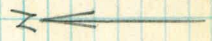
Sec. 34      Sec. 35

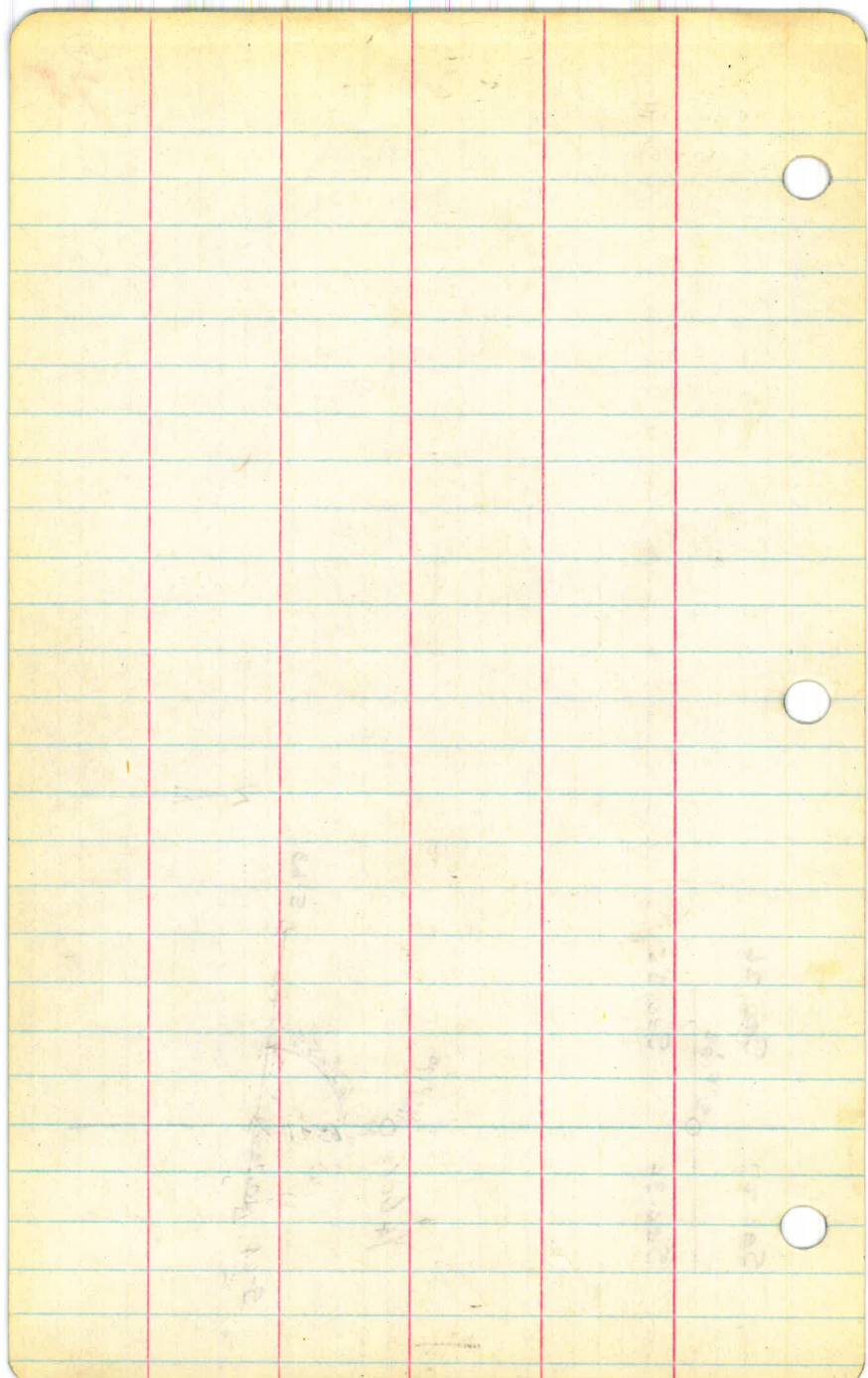
1/4 Cor.



5-64

5-63



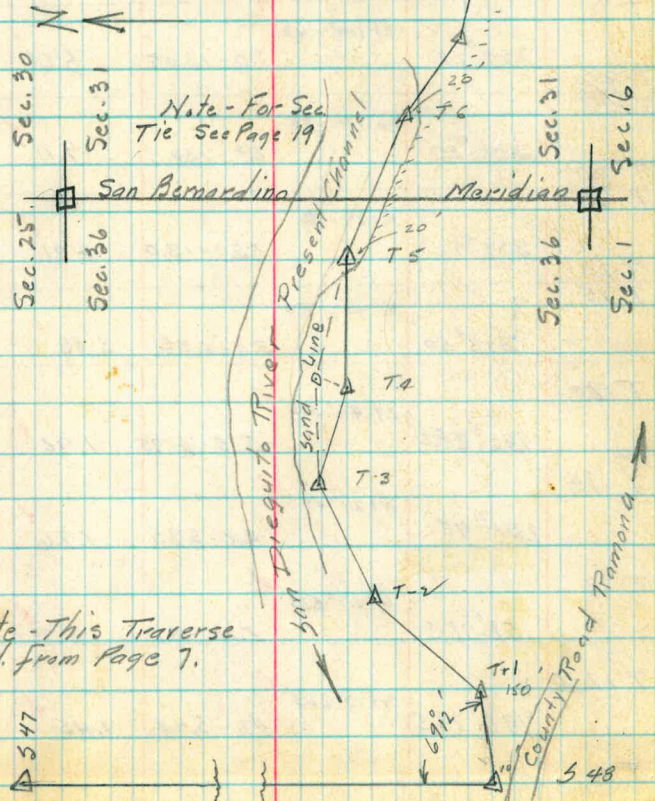


Sand Survey

Upper San Pasqual Valley

Note: All Angles Azimuth Right

Sta	Hor. L	Bear.	Rod Dist.	M. Br.
T 11	181° 20'	RT 1° 20'	4.0-6.44	2.45 N 64-0 E
T 10	158° 53.5	LT 21° 06.5'	5.30-9.00	3.71 N 62-40 E
T 9	152° 47'	LT 27° 13'	3.0-6.17	3.18 N 84-15 E
T 8	172° 37'	LT 7° 23'	3.0-5.60	2.61 S 69-05 E
T 7	191° 16'	RT 11° 16'	5.0-5.90	0.91 S 61-45 E
T 6	192° 10.5	RT 12° 10.5'	6.20-13.0	6.81 S 73-0 E
T 5	175° 41'	LT 4° 19'	4.0-5.70	1.71 S 85-15 E
T 4 Sand Line	87° 50'		— —	0.30
T 4 (Transit Point Only)	224° 19.5	RT 44° 19.5'	1.0-3.89	2.90 S 81-45 E
T 3	194° 36'	RT 14° 36'	13.0-6.94	6.07 N 54-30 E
T 2	133° 51.5	LT 46° 08.5'	2.0-6.12	4.13 N 40 E
T 1	69° 12'		3.0-6.28	3.29 N 86-15 E
S 48				



Note - This Traverse  
Cont'd. from Page 7.

Note - For Sec  
Tie See Page 19

N

Sec. 30

Sec. 31

Sec. 25

Sec. 36

San Bernardino

Meridian

Sec. 31

Sec. 16

Sec. 36

Sec. 1

San Diego River

Present Channel

Sand Pit

T-4

T-3

T-2

T-1

547

548

County Road Ramona

150

20

20

20

20

20

20

20

20

20

20

20

20

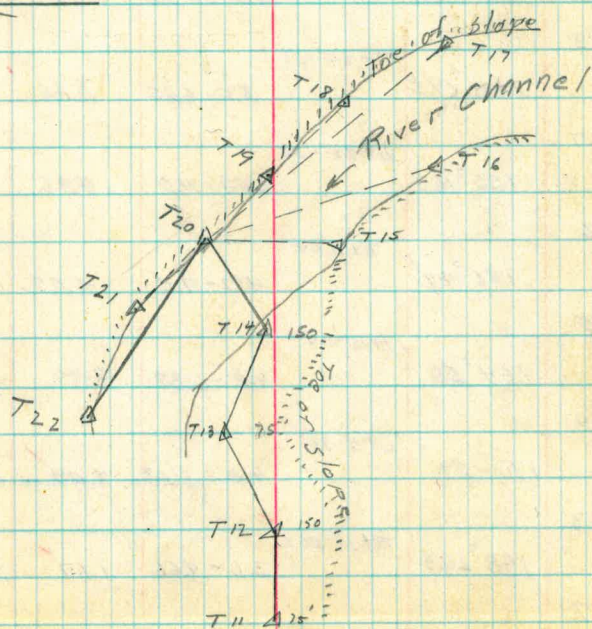
Sta Hor. L Bear. Rod. Dist M. Br

T 22		LT 116° 25'			
	63° 35'		4.75-13.0	8.26	N 89-45 W
T 20					
T 21		LT 97-00			
	83° 0'		3.0-6.18	3.19	
T 20					
T 19		RT 82-35			
	262° 35'		4.0-5.52	1.53	
T 20					
T 18		RT 104-48			
	287° 48'		8.0-13.05	5.06	
T 20					
T 17		RT 120-30			
	300° 30'		3.9-13.0	9.11	
T 20					
T 16		RT 127-10			
	307° 10'		6.20-13.0	6.81	
T 20					
T 15		RT 155-50			
	313° 50'		3.0-6.35	3.36	
T 20					
	133° 28.5'	LT 46° 31.5'	5.0-6.95	1.96	N 27-0 E
T 14					
	201° 48'	RT 21° 48'	4.0-5.25	1.26	N 73-30 E
T 13					
	152° 02.5'	LT 27° 57.5'	5.16-8.0	2.85	N 52 E
T 12					
	195° 23.5'	RT 15° 23.5'	4.0-5.44	1.45	N 79-30 E
T 11					

179-60  
63-35  
116-25

(17)

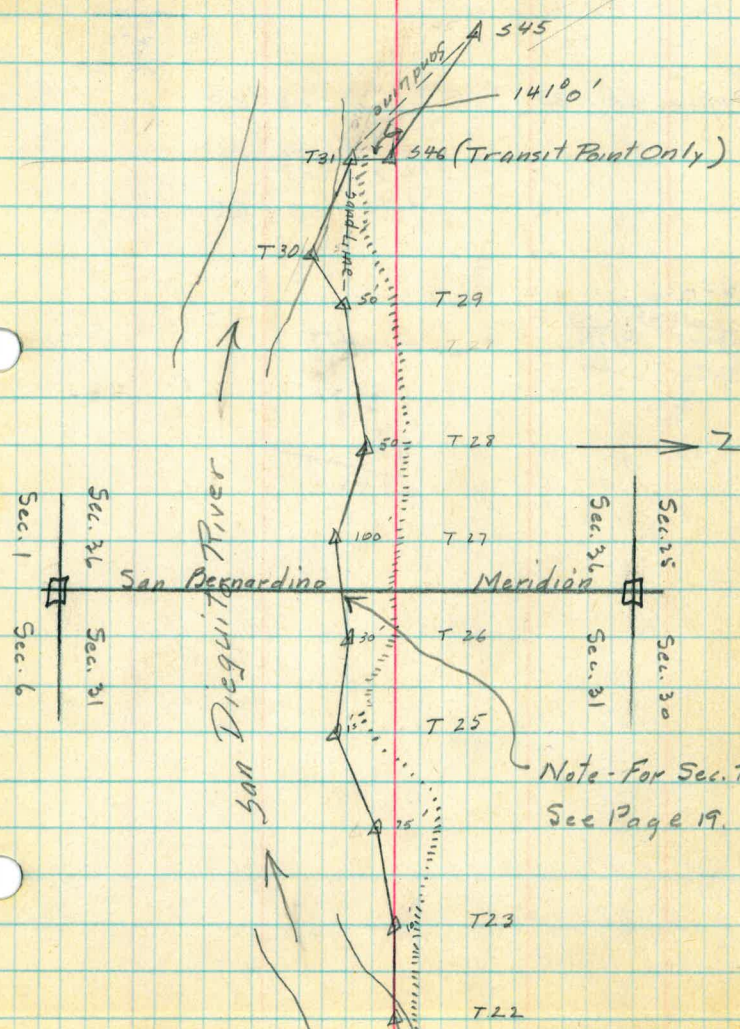
78



Sta Hor. L Bear. Prod Dist M. Br.

S 45	141° 0'	LT 39° 0'				N 59-0 W
S 46	237° 32'	RT 57° 32'	— —	0.25		
T 31	209° 56'	RT 29° 56'	5.0 - 7.52	2.53		N 76-45 W
T 30 (Transit Point Only)	170° 25'	LT 9° 35'	5.0 - 6.25	1.26		S 78-15 W
T. 29	160° 59.5'	LT 19° 00.5'	3.0 - 9.58	6.59		S 82-0 W
T 28	204° 19.5'	RT 24° 19.5'	3.0 - 6.65	3.66		N 77-45 W
T 27	156° 16.5'	LT 23° 43.5'	6.05 - 11.0	4.96		S 78-0 W
T 26	196° 44'	RT 16° 24'	4.92 - 9.0	4.09		N 78-30 W
T 25	164° 56'	LT 15° 04'	4.0 - 6.37	2.40		S 85-0 W
T 24	170° 57'	LT 9° 03'	4.0 - 6.08	2.09		N 80-15 W
T 23	198° 20.5'	RT 18° 20.5'	3.0 - 4.66	1.67		N 71-15 W
T 22						





3-0-7.18 6°16' 8.92 M.B.

~~106-50-52~~  
62-11-45  
179-59-60  
169-02-37  
10-57-23

7.42-11.00  
7.42  
3.58  
3.41

4.19  
5  
4.14

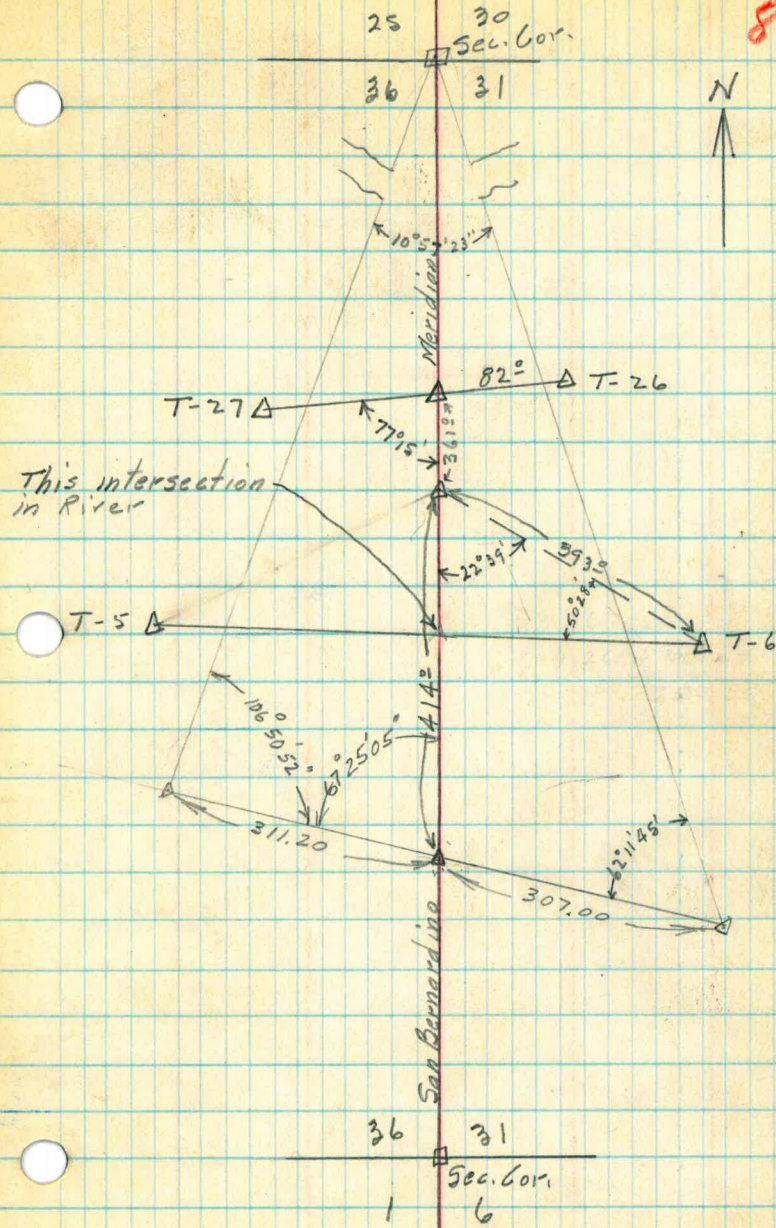
5.00  
3.92

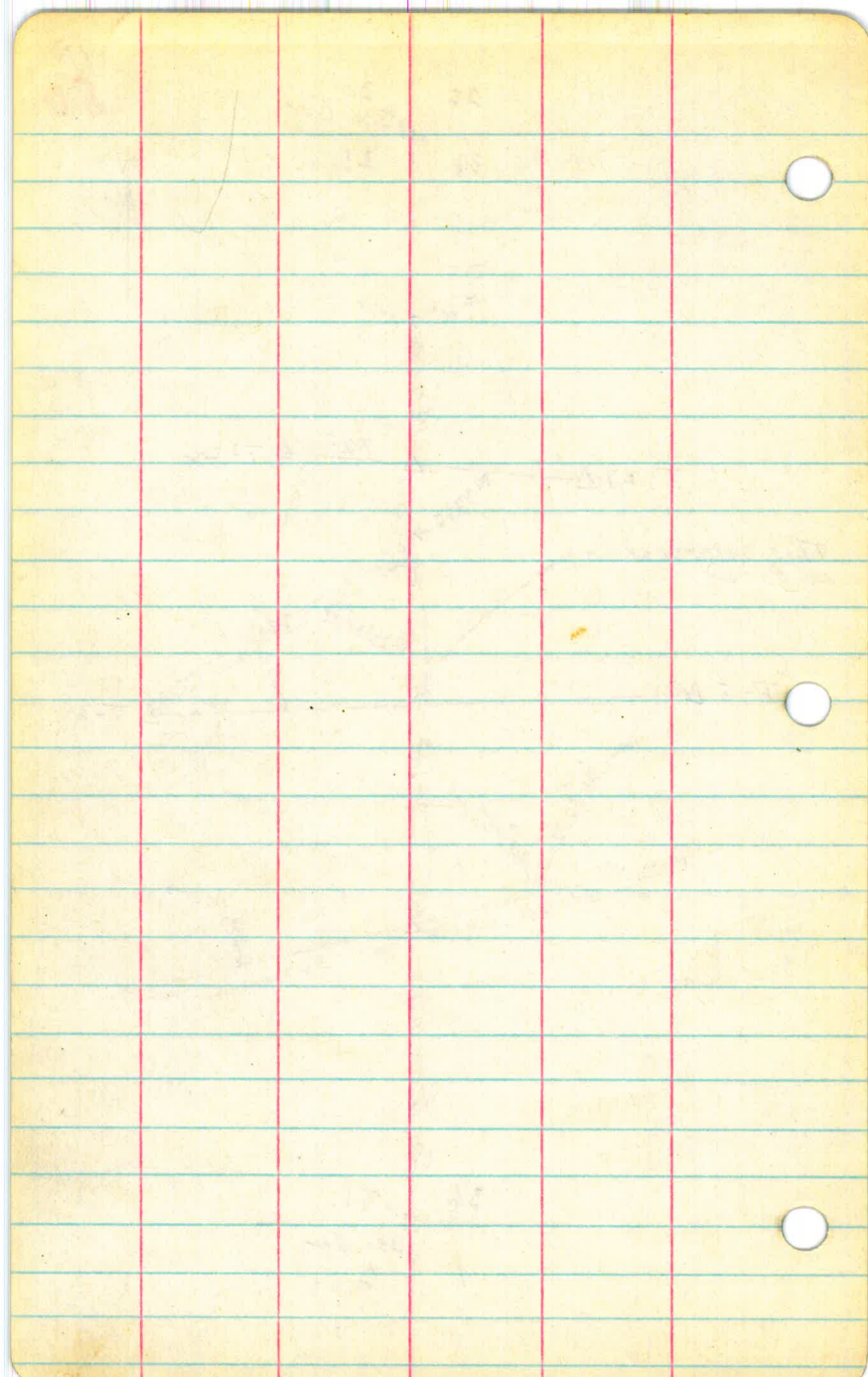
106-50-30

67-23-30  
360  
4) 427-23-30  
106-50-52

62-12-0  
62-11-45  
4) 248-47  
24  
8. 4  
7  
8.5

4) 180  
15  
4.19  
1.19  
5771  
419  
419  
4.9861





20

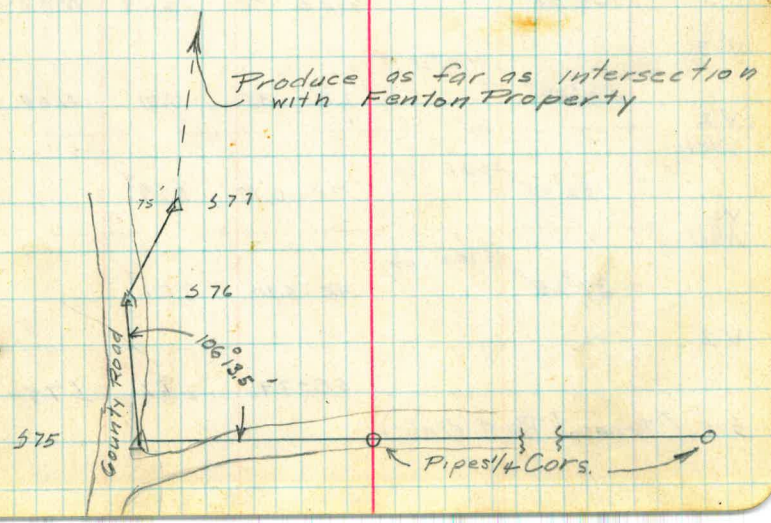
81

All Angles Azimuth Right Unless Shown Other<sup>wise</sup>

Sta Hor. L Bear. Rod Dist M. Br.

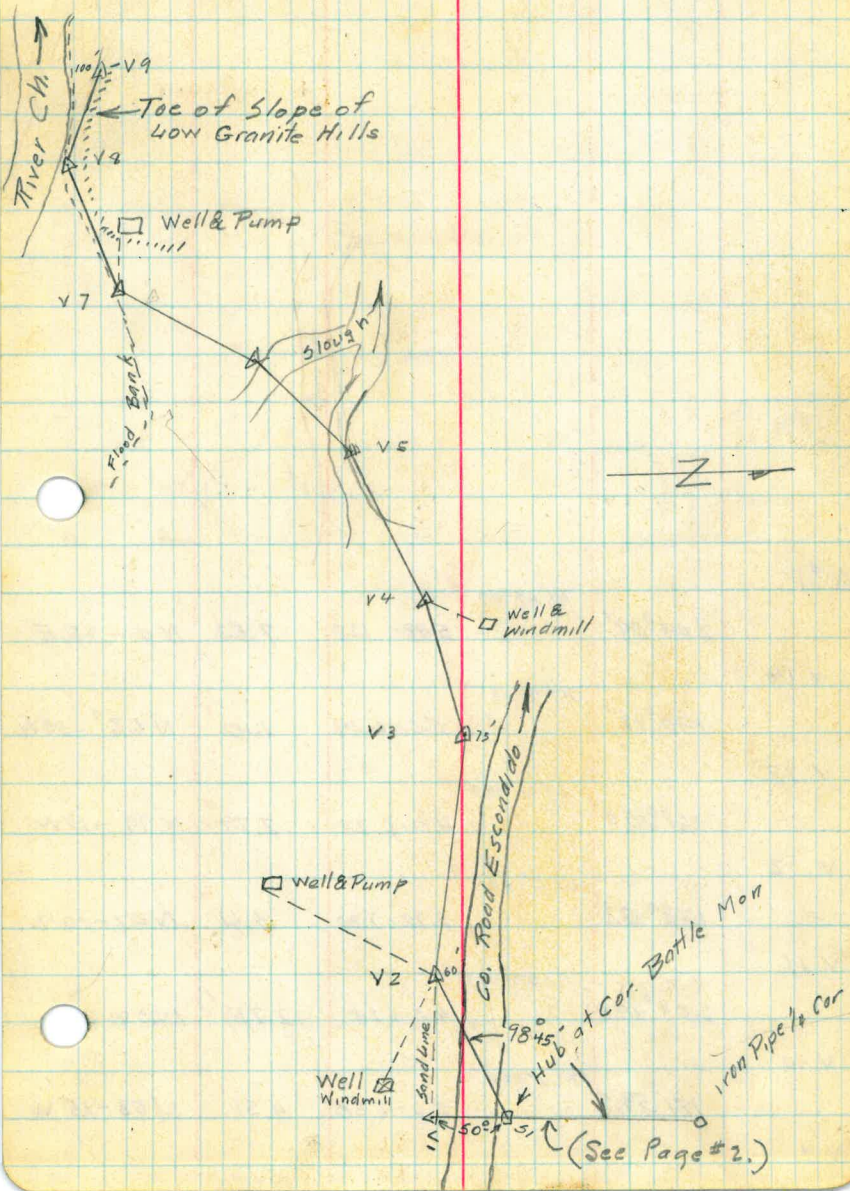
	166° 20'	L+ 13-40			576-0W
577					
	196° 12'	R+ 16-12	3.0-6.03	3.04	West
576					
			2.70-130	9.11	573-0W
575					

Note - This Traverse Cont'd.  
From Page #11.



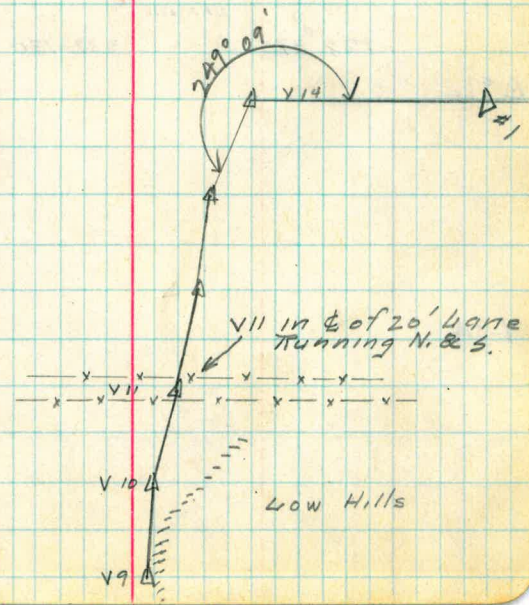
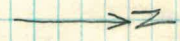
Sta	Hor. L	Bear.	Rod	Dist	M. Br
V 9		RT 54-17			
	234°17'		4.0-6.97	2.98	N85-0 W
V 8		RT 150435			
	195°43.5'		2.0-5.62	3.63	S 40-45 W
V 7					
Well		RT 16-20			
	196°20'		4.0-5.86	1.87	
V 7		LT 30-15			
	149°45'		2.0-6.82	4.83	S 25-0 W
V 6		LT 30-12			
	149°48'		6.60-13.0	6.41	S 55-0 W
V 5		LT 8°26'			
	171°34'		3.90-13.0	9.11	S 85-0 W
V 4					
Well		RT 243-00			
	323°		— —	1.50	
V 4		LT 23°18'			
	156°42'		6-22 13.0	6.79	N 87-0 W
V 3		RT 36°30'			
	216°30'		2.70-13.0	10.31	N 64-0 W
V 2					
Well		LT 26-15			
	152°45'		7.0-12.88	5.89	
V 2		LT 142-40			
Well					
	37°20'		4.0-6.20	2.21	
V 2					
			5.0-7.41	2.42	S 79-30 W
S 1 (Transit Point Only)					





Sta Horiz Bear Rod Dist M.Br

Sta	Horiz	Bear	Rod	Dist	M.Br
Δ #1					
	249°09'	RT 69°09'	5.48-13.0	7.53	N 0 - 45 E
V 14	190°13'	RT 10°13'	5.0-6.09	1.10	N 68° - 30 W
V 13	168°20.5'	LT 11°39.5'	4.0-6.78	2.79	N 79 - 15 W
V 12	173°02'	LT 6°58'	3.70-7.30	3.61	N 67 - 10 W
V 11	203°07.5'	RT 23°07.5'	4.0-6.24	2.25	N 60 W
V 10	181°59.5'	RT 1°59.5'	2.0-6.50	4.51	N 83 - 15 W
V 9					



Sta Hor. L Bear Rod Dist M.Br

1/4 Cor.

180°00' 4.10-13.0 8.91

Δ #3

180°00' 3.95-13.0 9.06

Δ #2

Co. Rd

180°00' 2.0-6.32 4.33

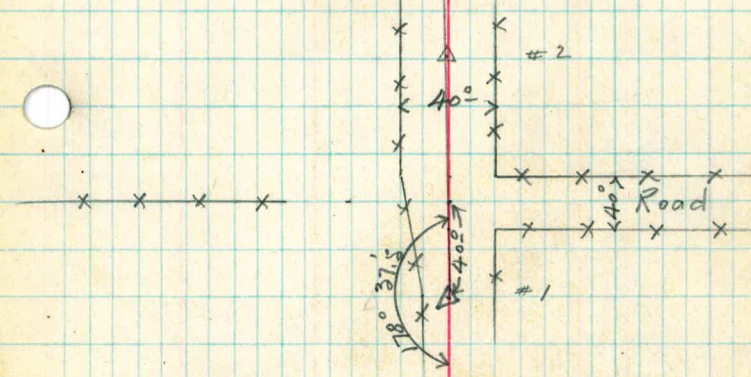
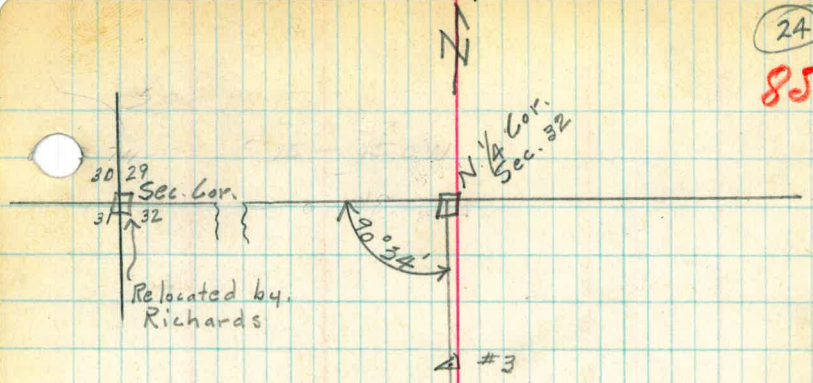
Δ #2

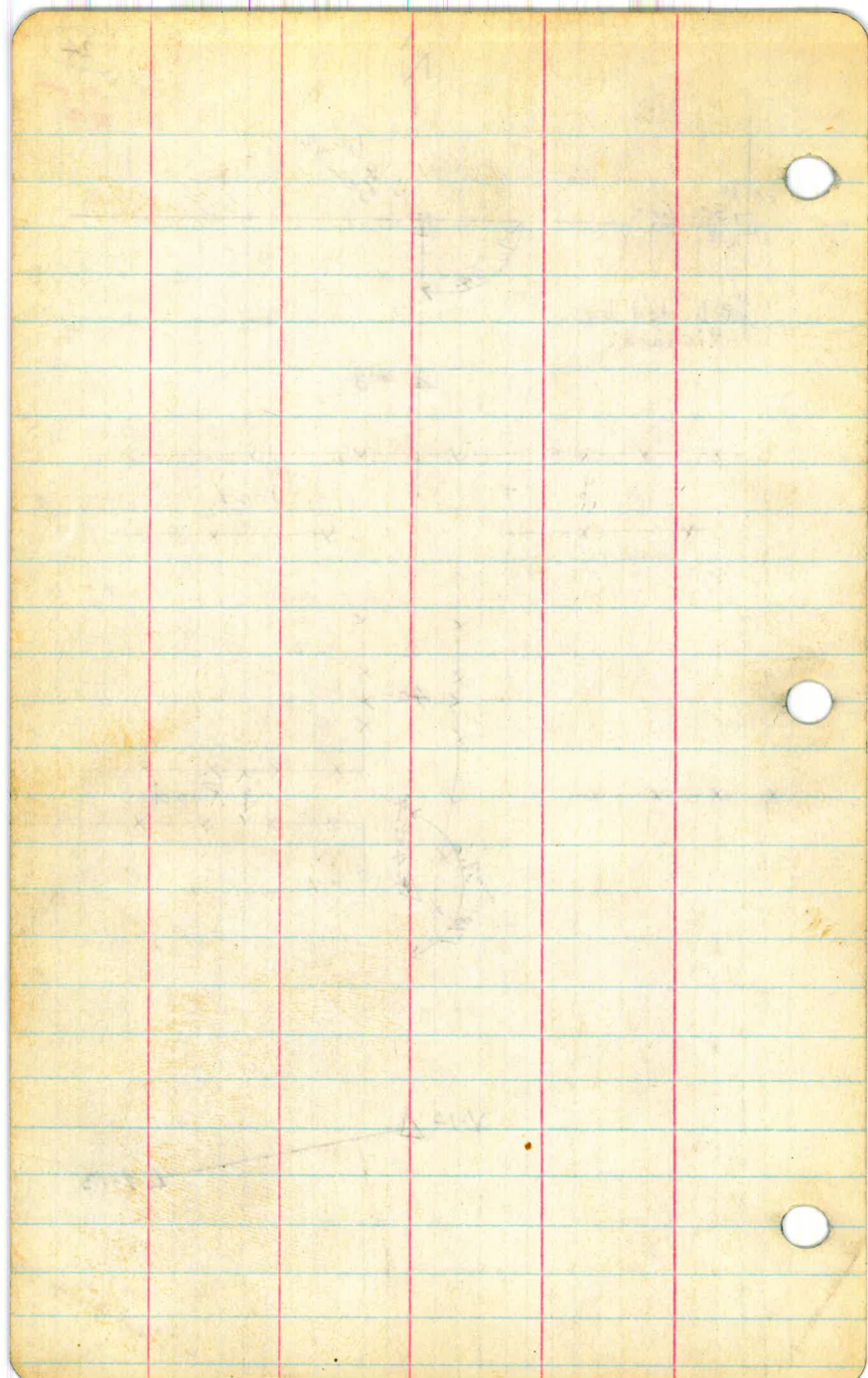
178°37.5' <sup>LT 1°22.5'</sup> 3.72-13.0 9.29 N 0-45 W

Δ #1.

Y-14

9.29  
9.06  
8.91  
27.26





86 25

27  
94  
26  
35

1/2" Pipe Butler

N. 1° 41' W. 2636.36  
W. 1/4 Cor. Sec. 35.

S-61 Δ

15° 37.5'

3049'

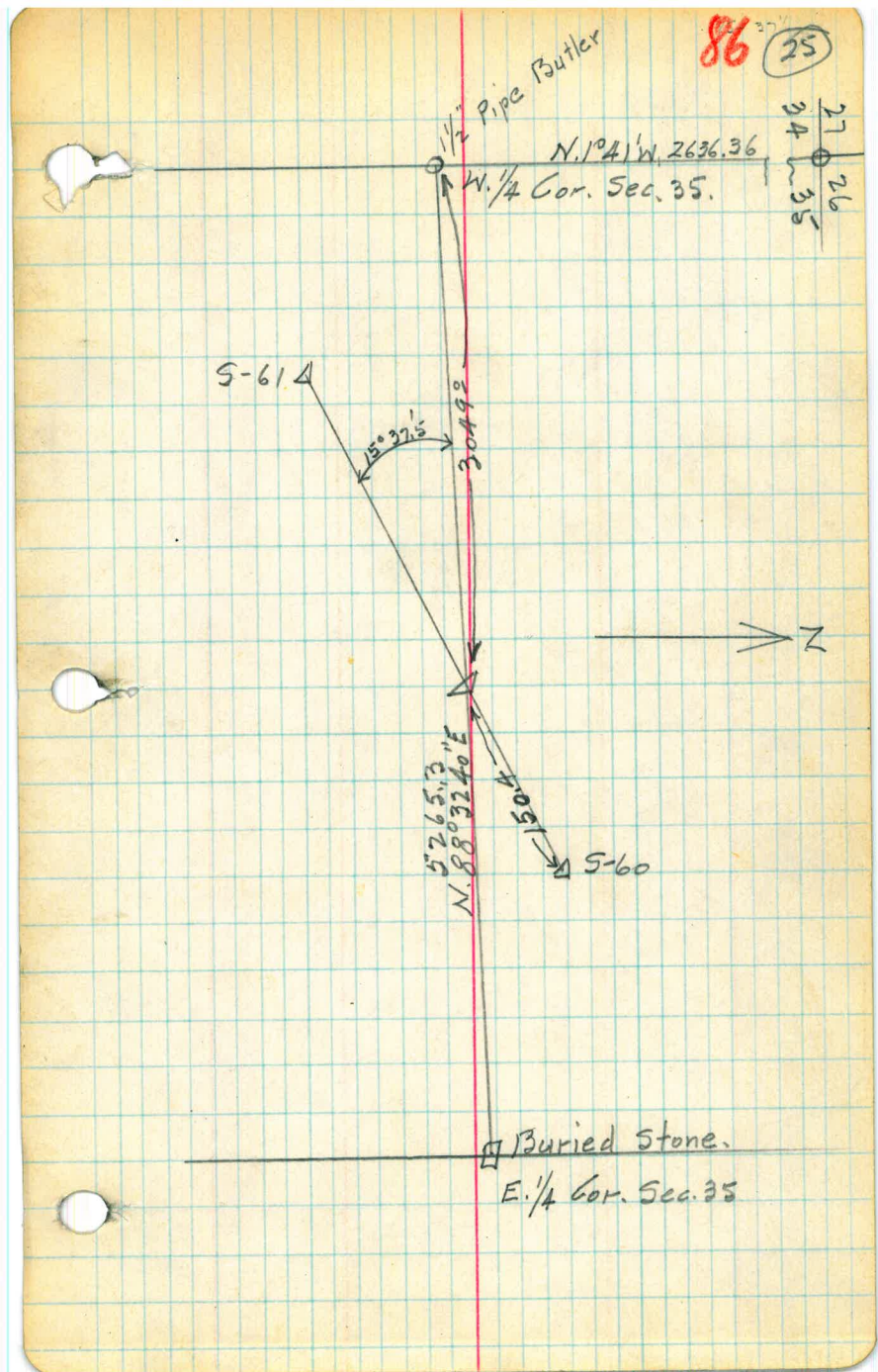
→ N

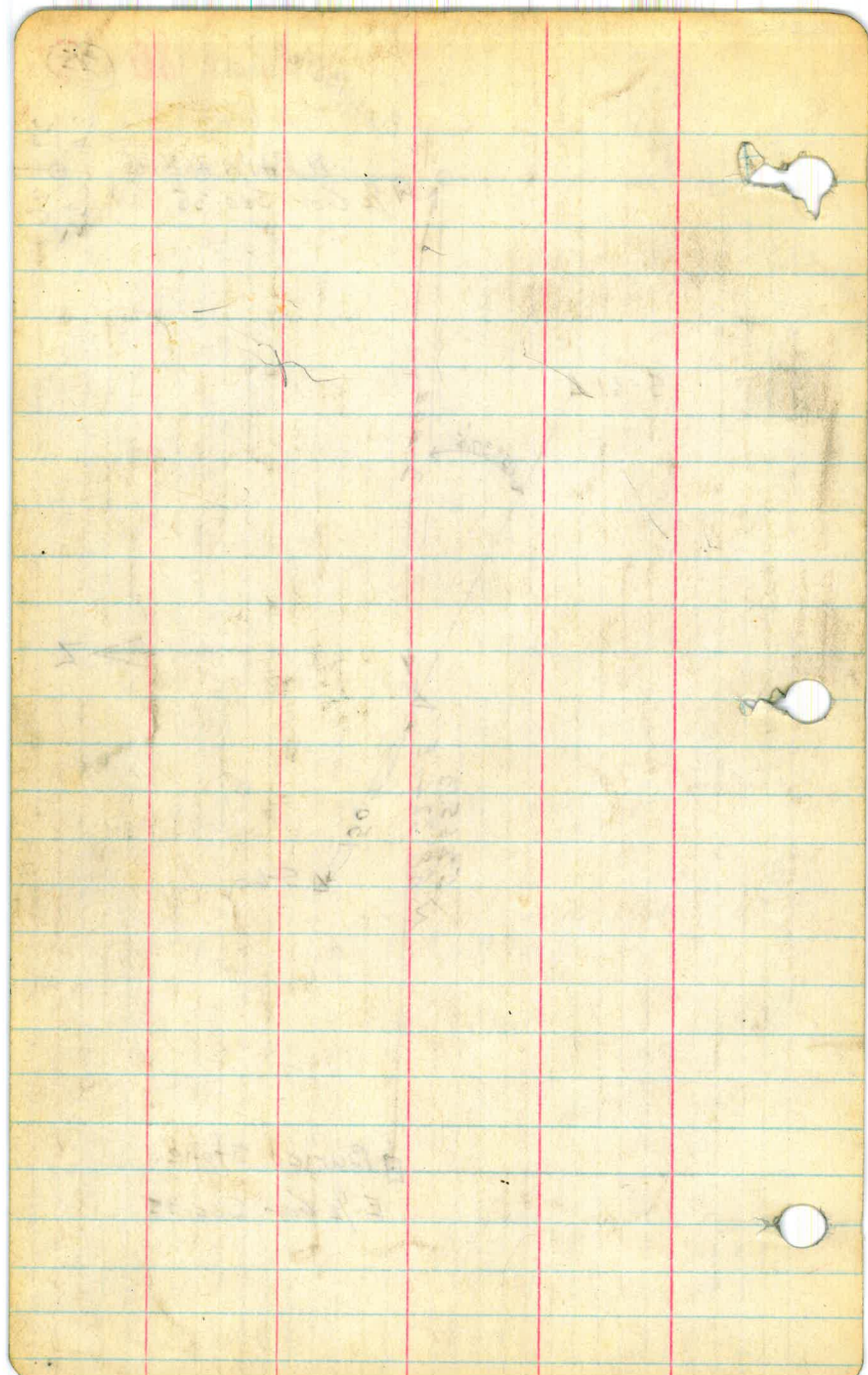
S 265.3  
N. 88° 32.40" E

150.4'

S-60

□ Buried Stone.  
E. 1/4 Cor. Sec. 35

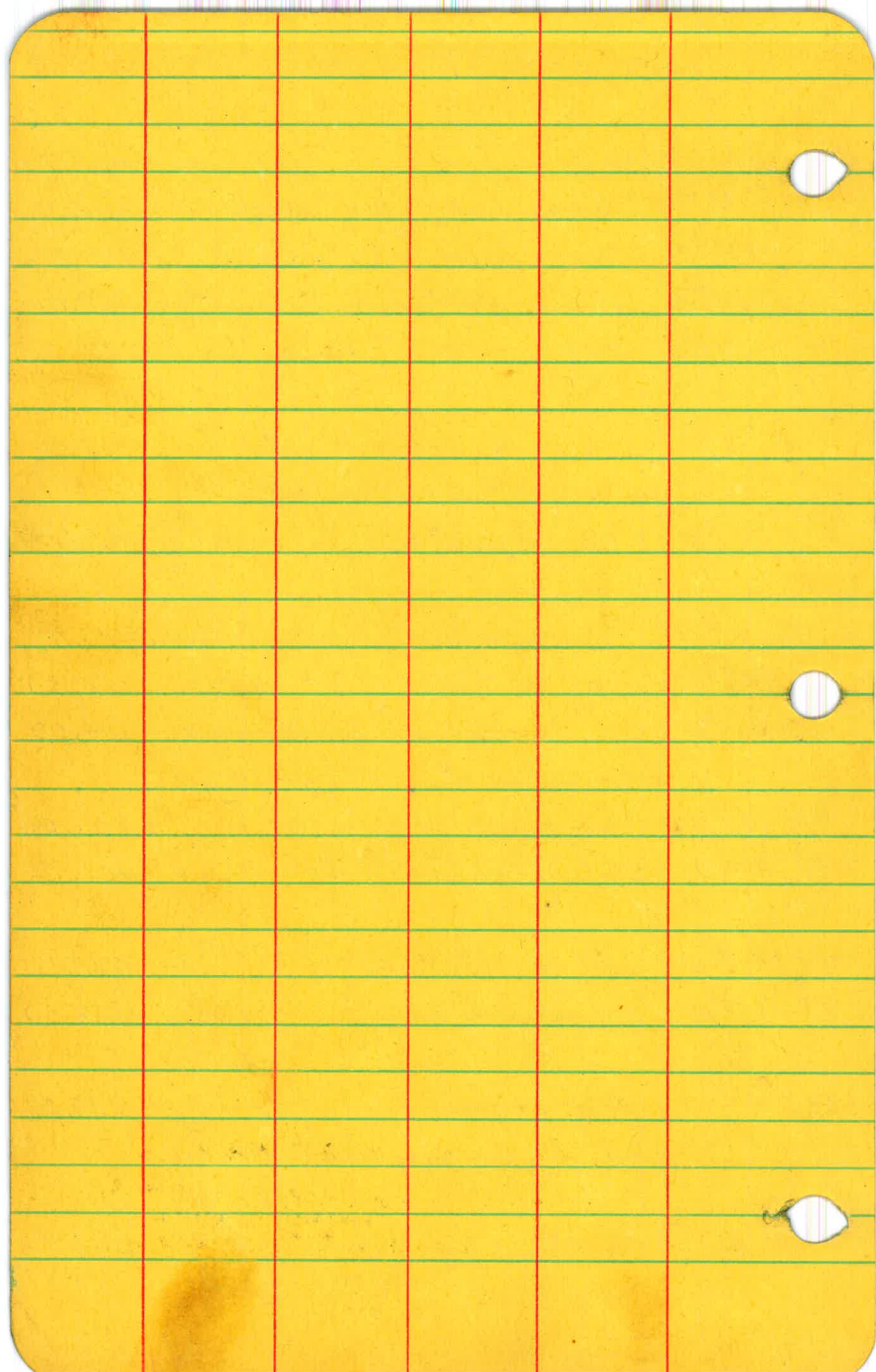




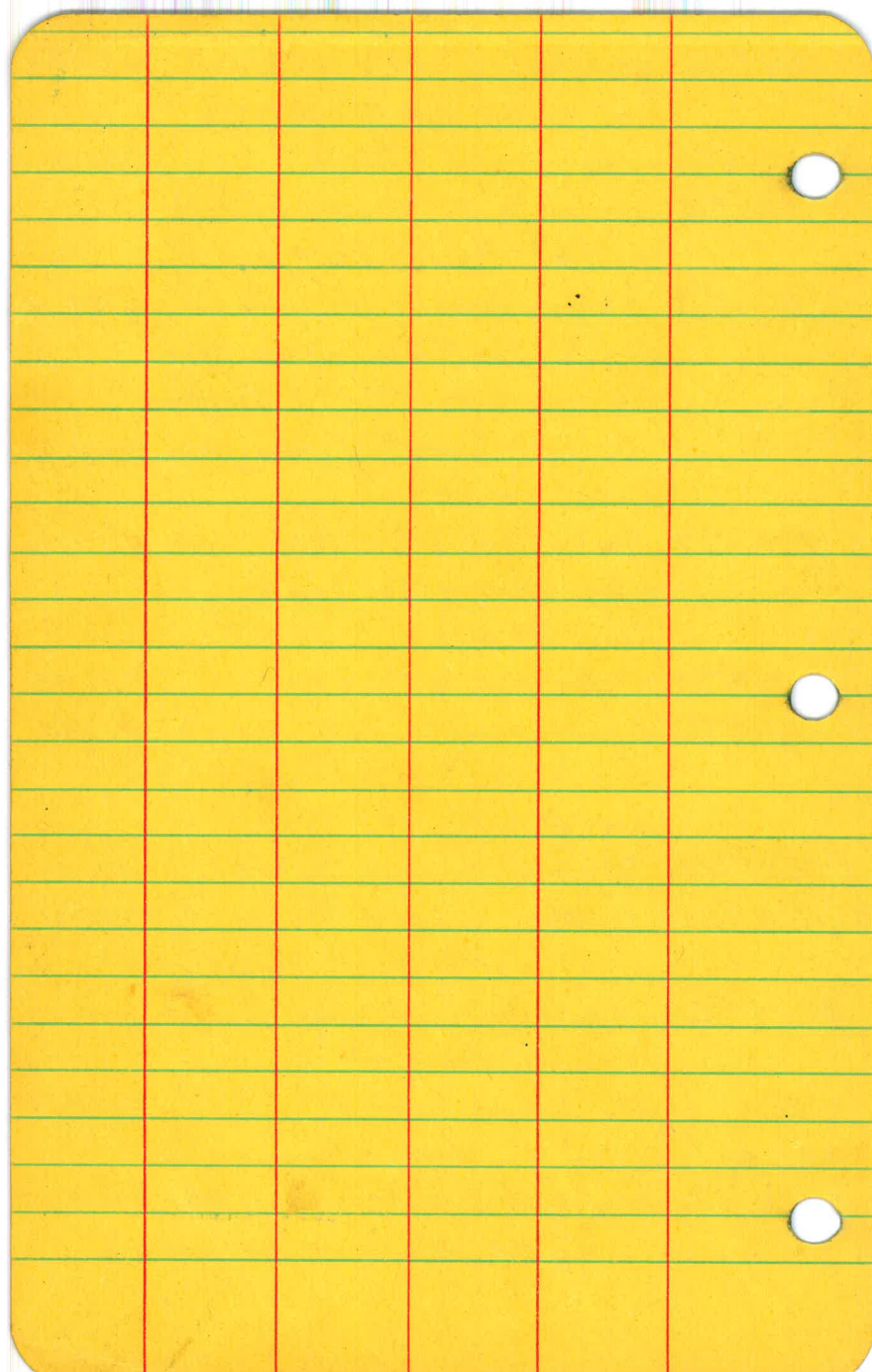


List of B.M.s San Pasquale 87

✓	U.S.G.S. B.M.		366.79
✓	B.M. #1	Nail in power pole # 11635	367.11
✓	B.M. #2	Nail in power pole # 11637	373.30
✓	B.M. #3	Nail in first pole east of pole # 5	388.01
✓	B.M. #4	Nail in pole # $\frac{5}{42} \frac{30}{2}$	385.16
✓	B.M. #5	Cross in rock, west side entrance to San P. Battle Field	392.52
✓	B.M. #6	Nail in pole, first pole east of $\frac{6}{18} \frac{5}{5}$	397.93
✓	B.M. #7	Concrete base flagpole S.P. School	409.10
✓	B.M. #8	Nail in Power Pole # 11629	362.34
✓	B.M. #9	Nail in anchor pole S.E. side of intersection of San P. Road + Hedges	354.59
✓	B.M. #10	Nail in anchor pole 200 S. of Well # 12	350.06
✓	B.M. #11	Nail in Tel. pole # $\frac{7}{2} \frac{8}{8}$	401.05
✓	B.M. #12	Nail in pole # 14279	420.12
✓	B.M. #13	Hub, S. side road 250' N. of pole # 14287	422.50
✓	B.M. #14	Point of granite rock N.E. wing - wall of San Guejito R. Bridge	429.07
✓	B.M. #15	Bolt-head west side of N. end San Dieguito Riv. Bridge	435.93



		88
✓	BM #16 Bolt-head west side of S. end of San Dieguito Riv. Bridge	435.84
✓	BM #17 Nail in pole #11916	438.90
✓	BM #18 Spike in pole #11922 at fork in San P. Road $\frac{1}{2}$ from grade	448.54
✓	B.M. #19 Mark in granite boulder on S. side San P. Road under large oak tree, about $\frac{1}{4}$ mile from grade	454.17
✓	BM #20 Spike in pole # $\frac{2}{15}$ $\frac{1}{1}$ near gray School House	463.30
✓	B.M. #21 Spike in pole # 11902 at road inters. $\frac{1}{4}$ mile S. of San Dieguito River Bridge	431.04
✓	BM #22 Spike in pole # 11894	421.45
✓	BM #23 Spike in anchor pole in big turn in road 250' S. of tank on platform.	417.34
✓	BM #24 Spike in pole # 11651	401.73
✓	BM #25 Spike in pole # 11648 $\frac{1}{4}$ mile east of Santa Maria Cr.	388.81
✓	BM #26 Spike in fence post S. bank of Santa Maria Cr.	384.13
✓	U.S.G.S. By Adobe School	410.636
✓	U.S.C. Cr. 125' W. San Pasqual store on S. side Hwy, 30' W. of Haley road, 1 Ht. from fence, #A308, 1935 B.C. in Corner	429.24

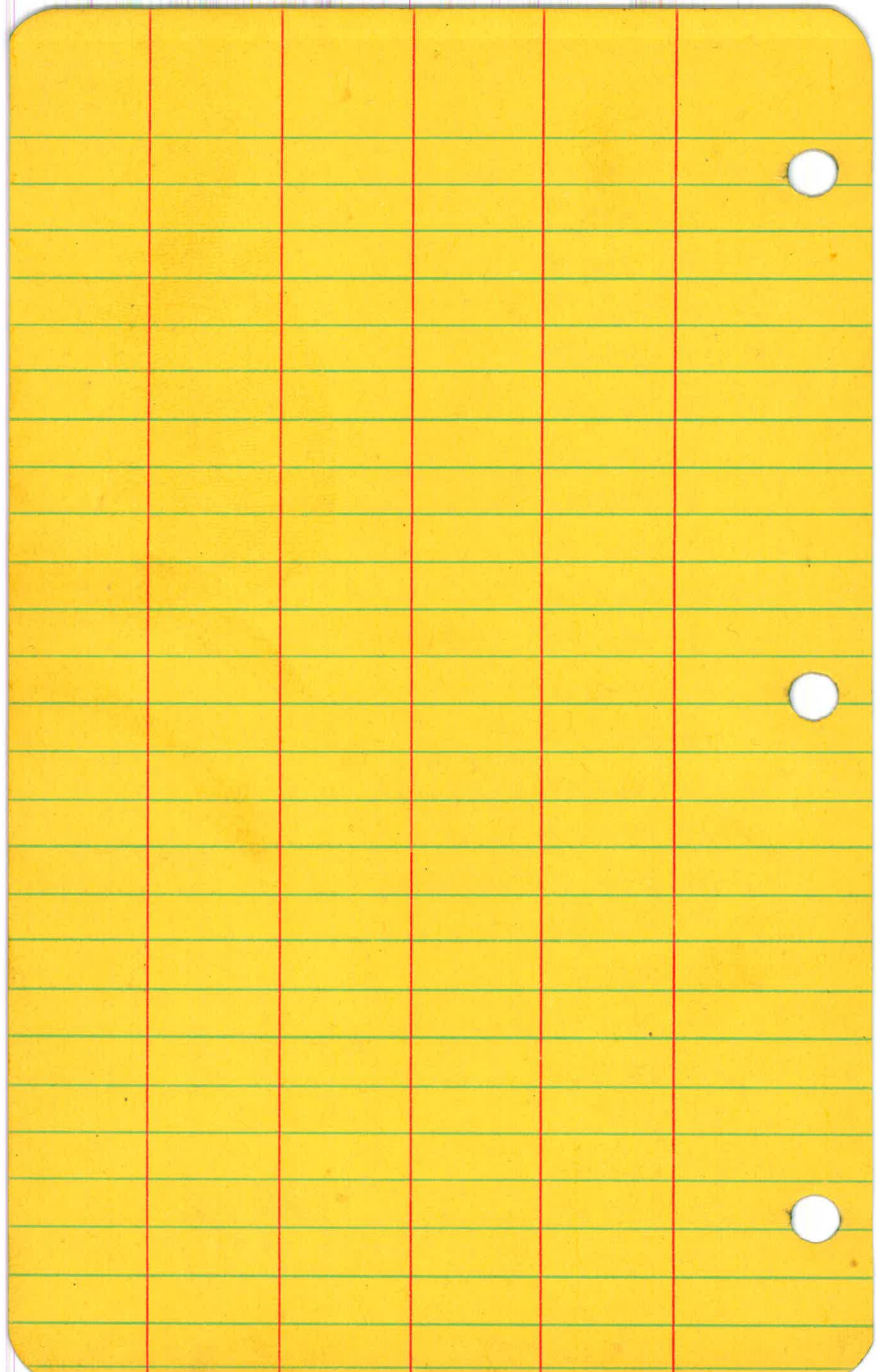


Unless otherwise stated elevs. are  
on casings cap removed.

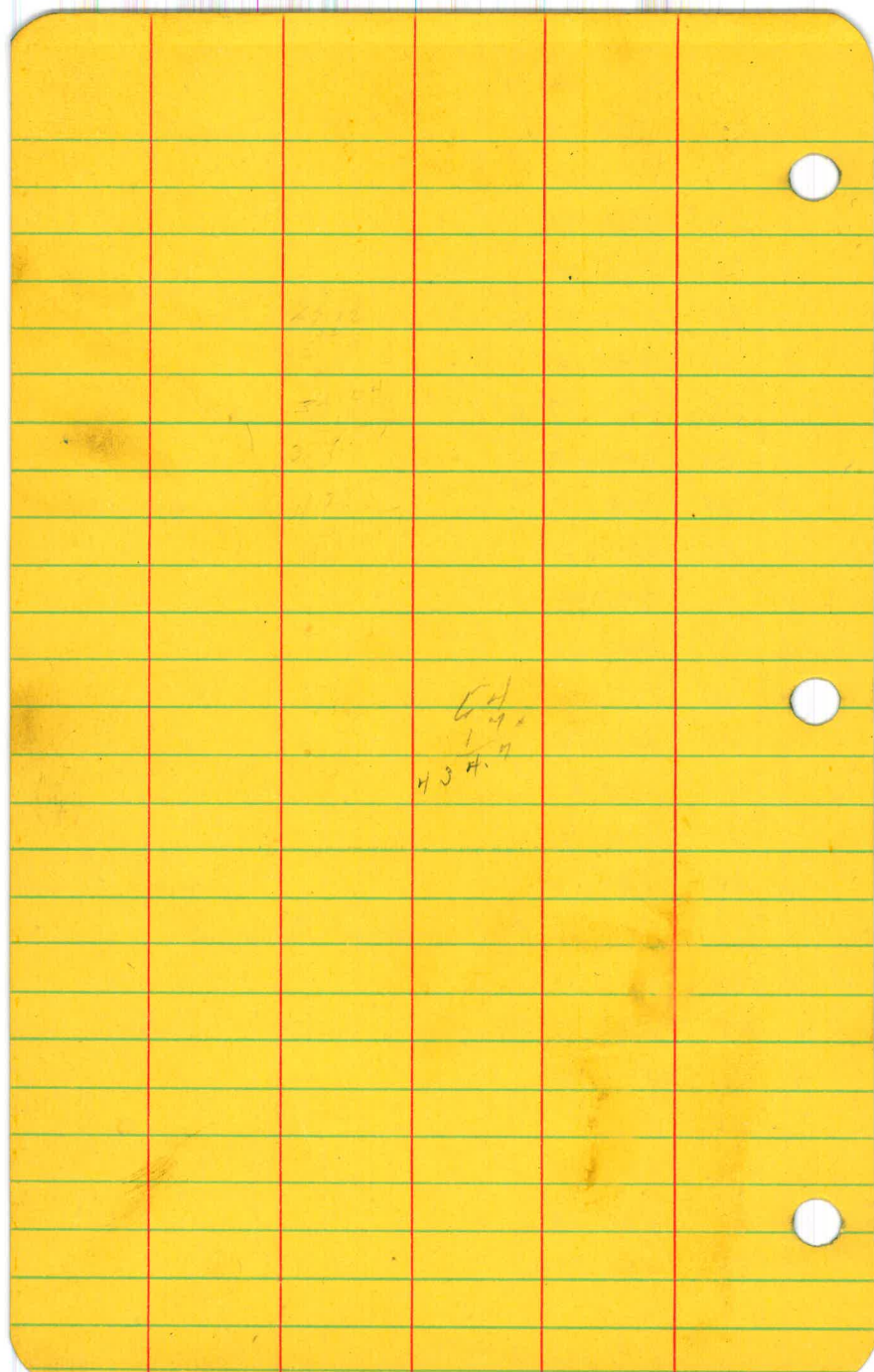
89

### El. of Observation Wells

# 1	366.80	El. on casing 10' West of old pump house
✓ 2	357.57	
✓ 3	358.76	
✓ 4	356.07	
✓ 5	354.89	
✓ 6	361.96	
✓ 7	361.21	
✓ 8	358.30	El. on intake flange about 2' below ground surface
✓ 9	360.53	
✓ 10	361.05	
✓ 11	360.15	
✓ 12	348.05	
✓ 13	352.74	
✓ 14	362.34	On 2" x 2" plank 2 1/2' above ground blue arrow.
✓ 15	364.67	On 2" x 12" plank part of cover blue arrow.
✓ 16	370.16	On nail in 1" x 12" plank part of well cover
✓ 17	364.07	
✓ 18	365.80	
✓ 19	366.48	On blue cross on 2" x 12" plank part of cover
✓ 20	367.62	
✓ 21	367.01	
✓ 22	366.09	
✓ 23	370.98	On blue arrow on 2" x 6" plank, part of cover
✓ 24	374.19	On blue cross on 2" x 12" plank part of cover
✓ 25	369.49	

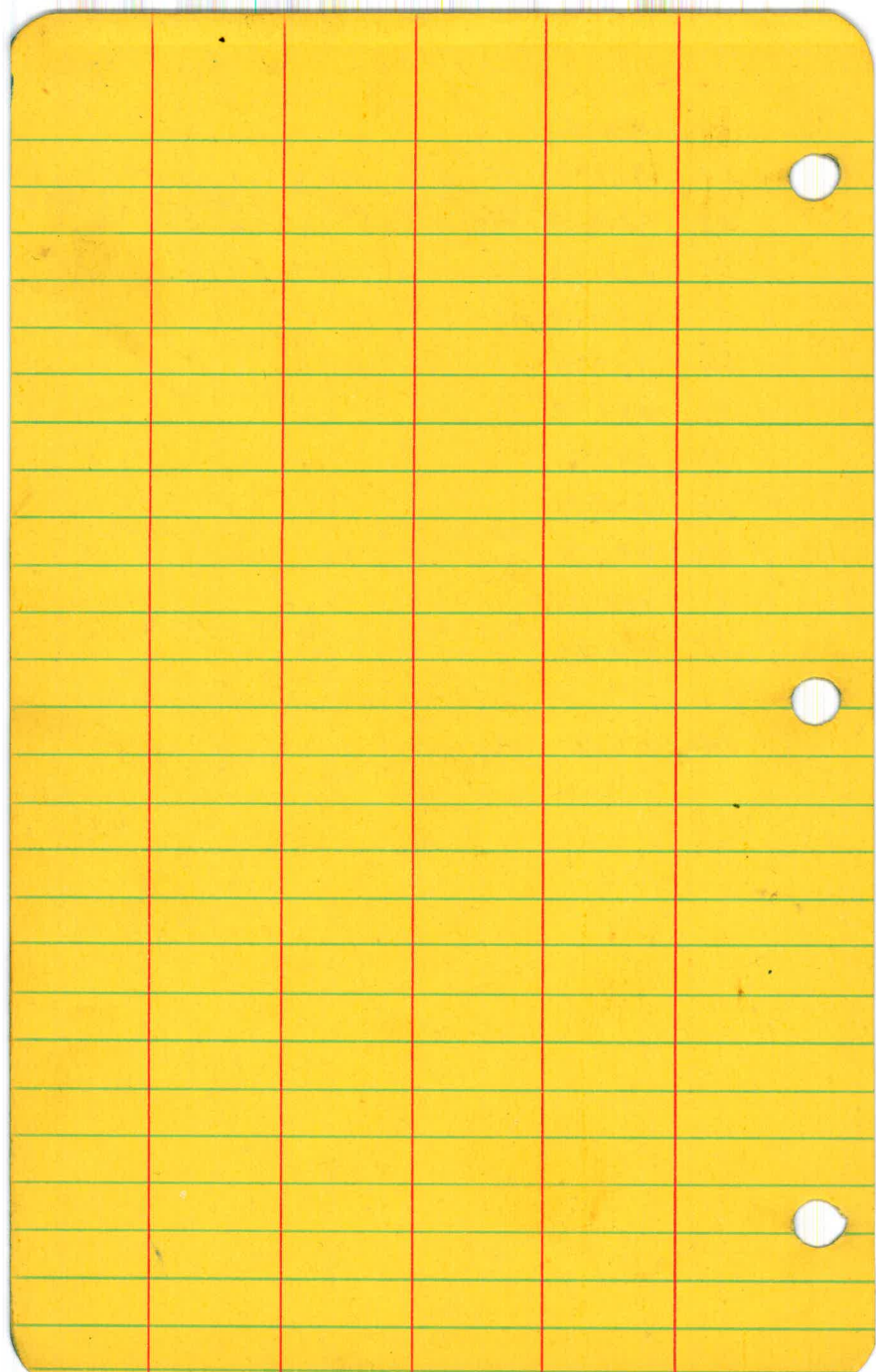


- ✓ 26 368.07
- ✓ 27 367.22
- ✓ 28 368.79
- ✓ 29 370.34
- ✓ 30 379.53 on blue cross on 2" x 12" plank, part of cover
- ✓ 31 380.16
- ✓ 32 393.97 El. on South curb
- ✓ 33 384.28
- ✓ 34 385.05
- ✓ 35 384.45
- ✓ 36 385.33
- ✓ 37 382.60
- ✓ 38 387.94
- ✓ 39 395.24
- ✓ 40 394.33
- ✓ 41 390.92
- ✓ 42 391.07
- ✓ 43 420.30 On intake flange
- ✓ 44 449.66
- ✓ 45 444.69 Blue mark on 12" casing
- ✓ 46 439.54
- ✓ 47 Out
- ✓ 48 439.89
- ✓ 49 438.58
- ✓ 50 437.51



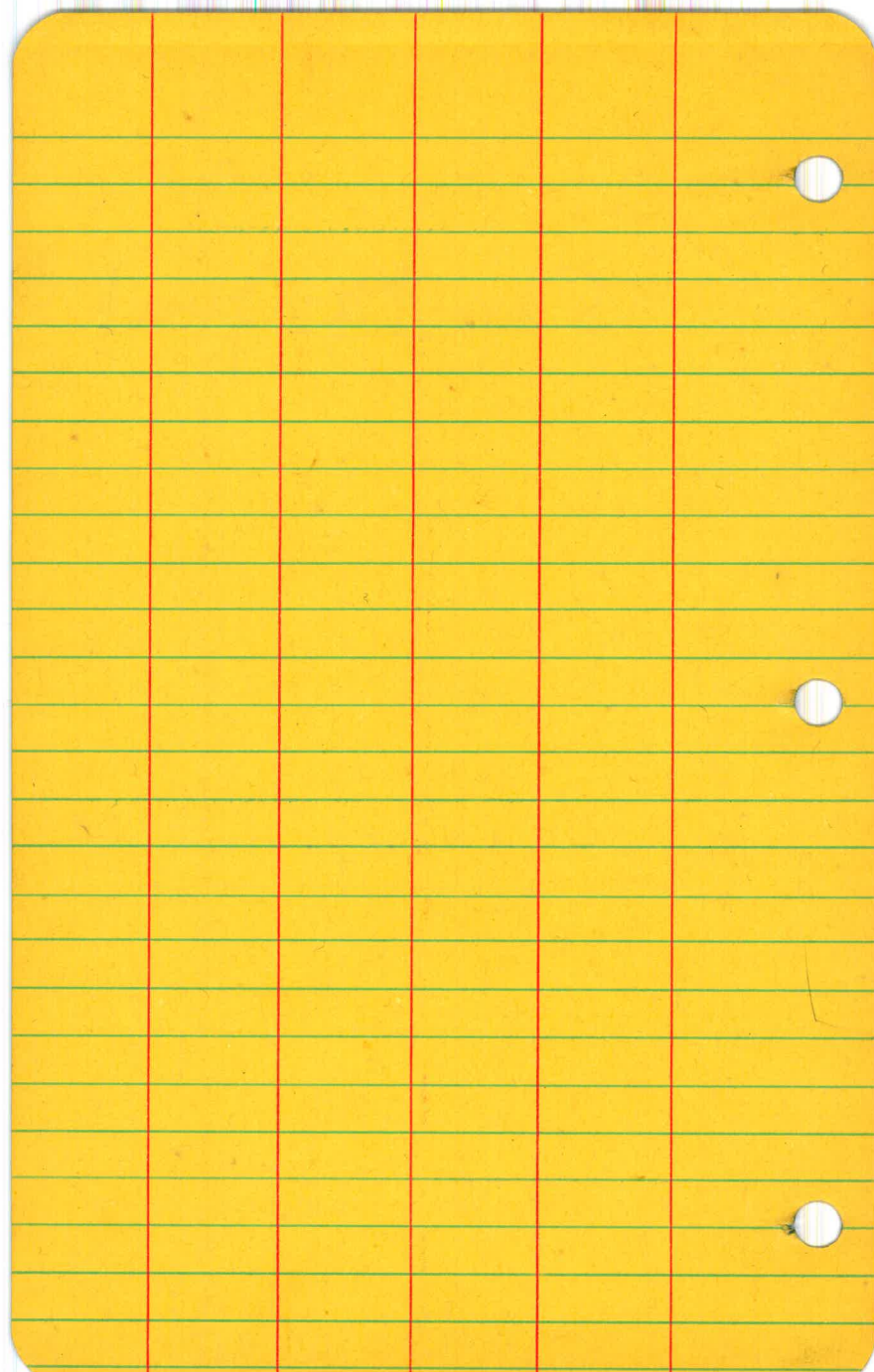


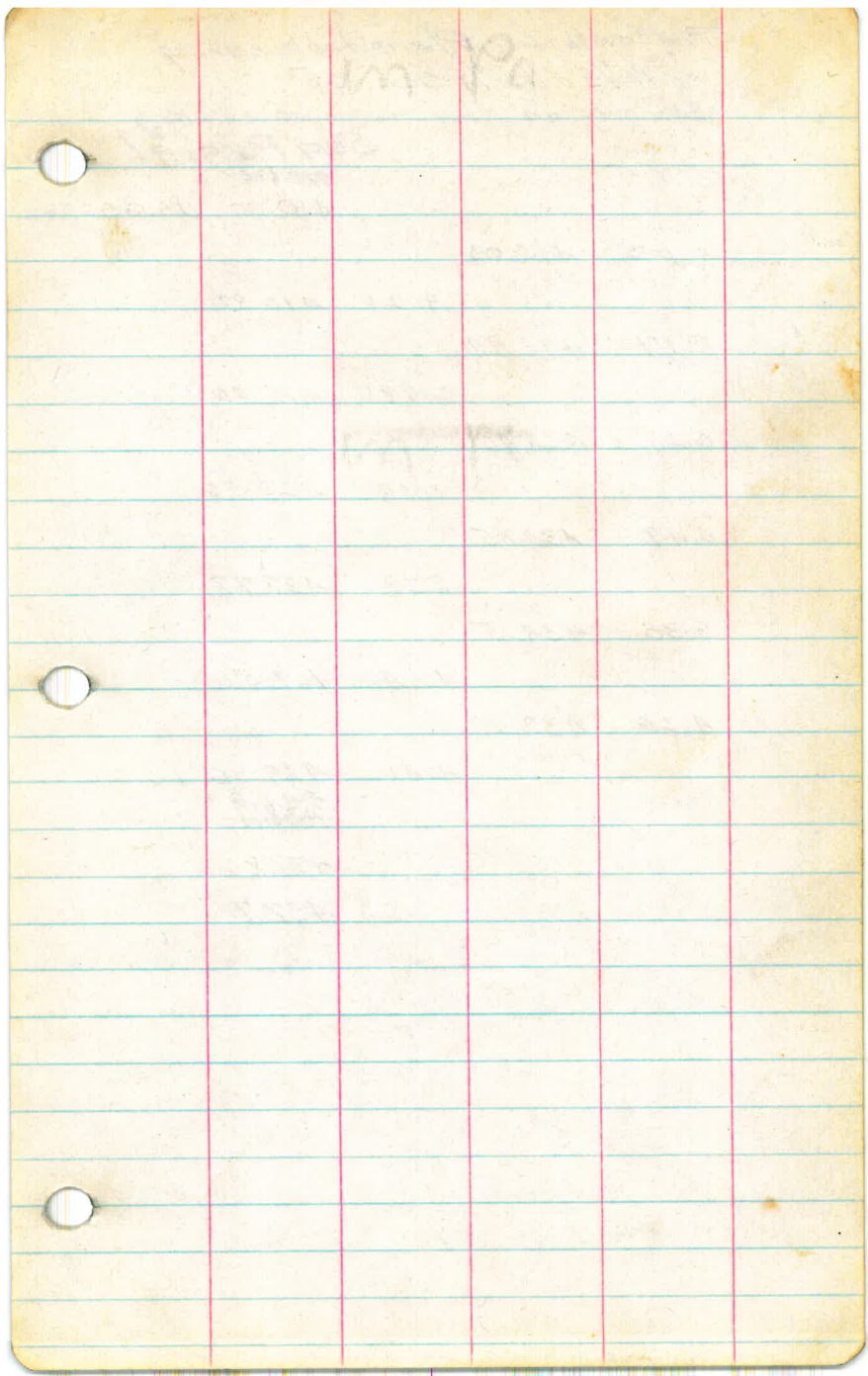
✓ 51	434.51	
✓ 52	429.32	On 12" casing in pit
✓ 53	425.48	On 4"x4" beam over well. Intake flange 3.19 lower = 422.29
✓ 54	432.49	El. on 1"x22"x22" well cover
✓ 55	436.42	
✓ 56	430.73	
✓ 57	431.12	
✓ 58	432.83	
✓ 59	424.48	
✓ 60	396.20	On blue arrow on well cover a 1"x12" x22" board
✓ 61	363.22	
✓ 62	375.51	On nail in 2"x12" plank part of cover
✓ 63	341.04	On nail in casing 15 above ground. West side wooden casing
✓ 64	410.00	Blue mark on 12" pipe casing



San Pasqual

$$\begin{array}{r} 32-25 \\ 26+75 \\ \hline 550 \end{array}$$





Peg levels for Plane table survey  
of W<sup>1</sup>/<sub>2</sub> - NE<sup>1</sup>/<sub>4</sub> Sec. 35  
Easterly on Road south side of Valley

Satg Pasghal

410.636

410.00 U.S.G.S. Elev.

5.03 415.03

4.21 410.82

8.17 418.99

0.99 418.00

6.40 422.40

0.89 423.56

6.49 430.05

2.28 427.77

6.38 434.15

4.64 429.51

4.26 433.77

4.41 429.36

~~436.9~~

~~435.7~~

439.8

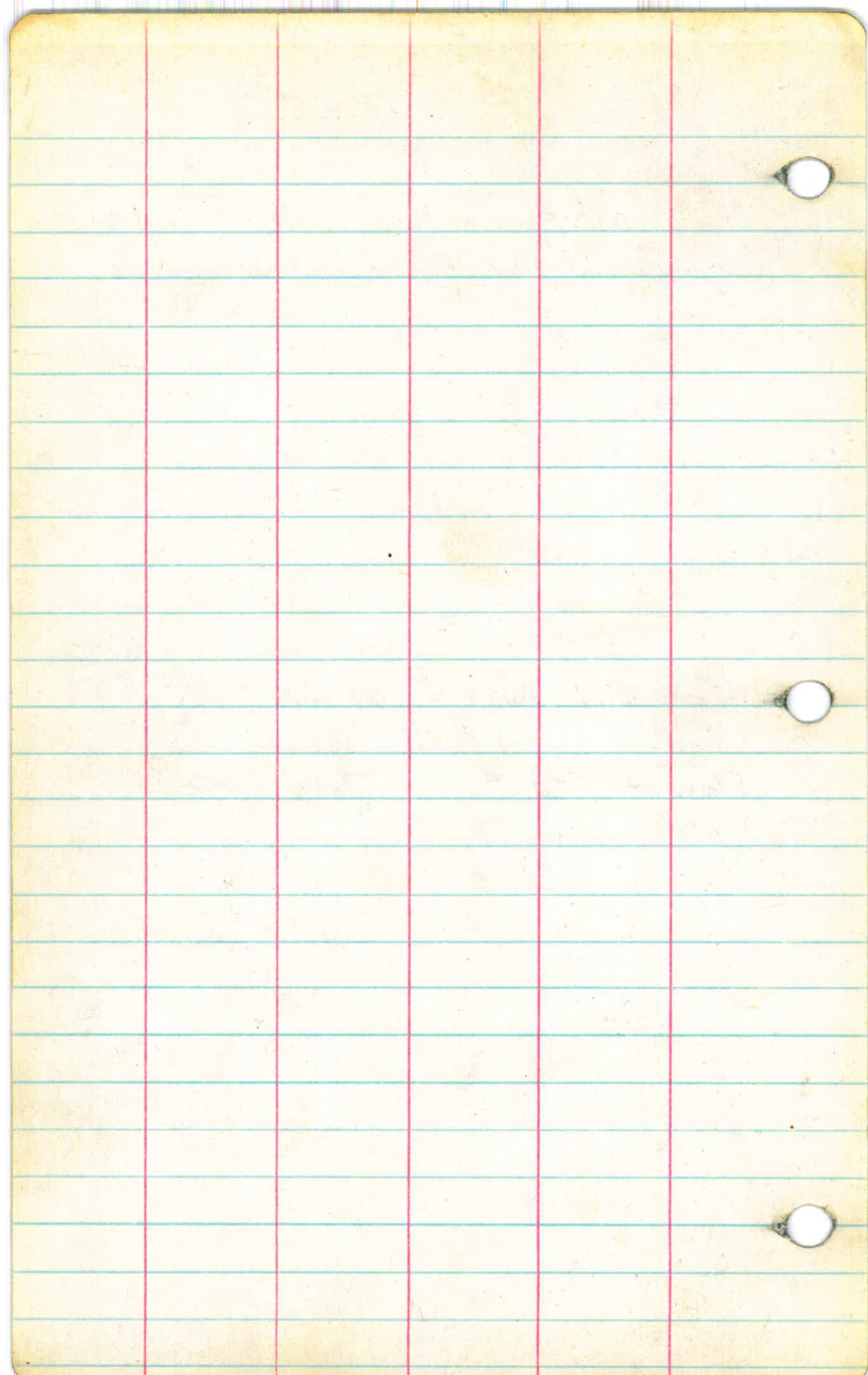
432.7

B.M. Pipe on Fence line 120 North  
of abandoned Adobe School house.

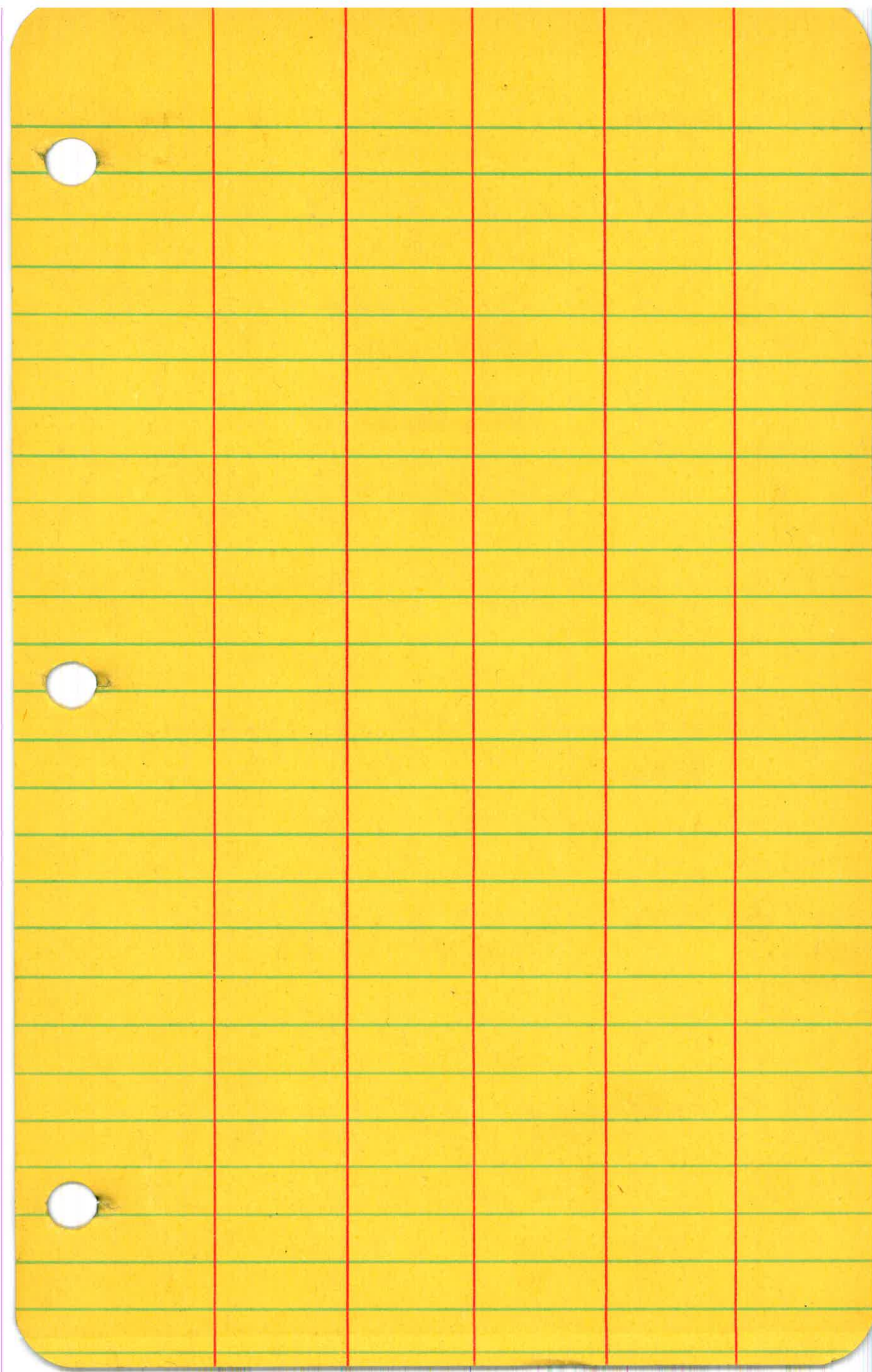
Set B.M. Spike in Tel. pole =  $\frac{86}{2}$

Elev. of Sta. #1 (Plane Table)

"	"	"	#2	"	"
"	"	"	#3	"	"
"	"	"	#4	"	"









8-12-27  
Bliss  
Lundy  
Mattoon

1910  
24

Rocky road fill

<sup>Top roadcut</sup>  
1930 (1933.3) 1935 1940 1945 1950  
34      35      38      52      63      74

1935 1940 1945 1950  
30      43      55      66

1915 1910  
34      38

Many granite boulders

1945 1950  
48      64

1915 1910  
30      35

1920 1915 (<sup>P. Road</sup> 1911 1911) 1910  
36      40      43      69      60



Top road cut  
 ↓  
 (19223) 1920 1915 (1910 1910)  
 32 33 42 (47 63)

1920 1915 1910  
 32 35 40

⊕ Thru many very large granite  
 boulders

1915 1910  
 29 33

1950  
 15

1920 (Top road cut) 1915 1910  
 23 (19168) 34 35  
 33

1950 < on side of large boulder  
 18

1910  
 40

conforms to 2950

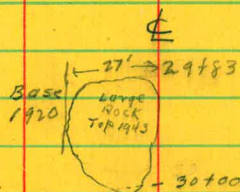
Sta	ϕ Elev	Edge of boulder	Base of boulder
29+77 <sup>16</sup>	1949.2	(1949) 4	(1931) 6
			(1930) 8
			(1926) 22

Top of large boulder

Edge of boulder	Base of boulder
Lst (1949) 3	1942 17
	1945 12
	1950 13

Base of boulder

29+83 1939.1  
Base of large rock



Sta	Elev	Edge of rock	Base
30+00	1945.2	RT 1940 15	(1937.8) 22
			(1931.8) 23

Lst. 1950  
11

Sta	Elev	Rock edge	Rock edge
30+25	1944.3	RT 1940 18	(1935) 35
			1924 39
			(1923) 48

Lst. 1945  
2

1950  
7

Sta	Elev	RT	Steep rock wall
30+56 <sup>23</sup>	1936.3	1935 3	19343 11
EC			(1930) 19
			(1910) 39

Lst 1940  
12

1945  
20

1950  
25

1920  
27

1915  
36

1910  
40

Very rocky with many  
large boulders

1930  
25

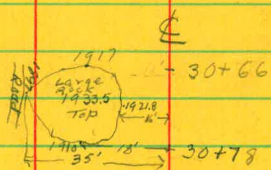
1925  
32

1920  
38

1915  
48

1910  
58

1910  
49



30+92 1910.6 RT 1910

Lst  $\frac{1915}{8}$   $\frac{1920}{15}$   $\frac{1925}{23}$   $\frac{1930}{29}$

31+38 1899.7

Lst  $\frac{1910}{10}$   $\frac{1915}{20}$   $\frac{1920}{26}$   $\frac{1925}{44}$

31+61 1918.1 RT  $\frac{1915}{5}$   $\frac{1910}{11}$

Lst  $\frac{1920}{5}$   $\frac{1925}{14}$   $\frac{1930}{27}$

32+00 1919.5 RT  $\frac{1915}{10}$   $\frac{1910}{19}$

Lst  $\frac{1920}{1}$   $\frac{1925}{9}$   $\frac{1930}{18}$   $\frac{1935}{27}$

32+25 1917.8



still very rocky

$\frac{1935}{37}$

$\frac{1940}{47}$

$\frac{1945}{54}$

$\frac{1950}{60}$

Bottom of ravine

$\frac{1930}{58}$

$\frac{1935}{67}$

$\frac{1940}{73}$

$\frac{1945}{80}$

$\frac{1950}{87}$

$\frac{1935}{37}$

$\frac{1940}{47}$

$\frac{1945}{54}$

$\frac{1950}{64}$

$\frac{1940}{35}$

$\frac{1945}{42}$

$\frac{1950}{52}$

Loose soil with few rocks

