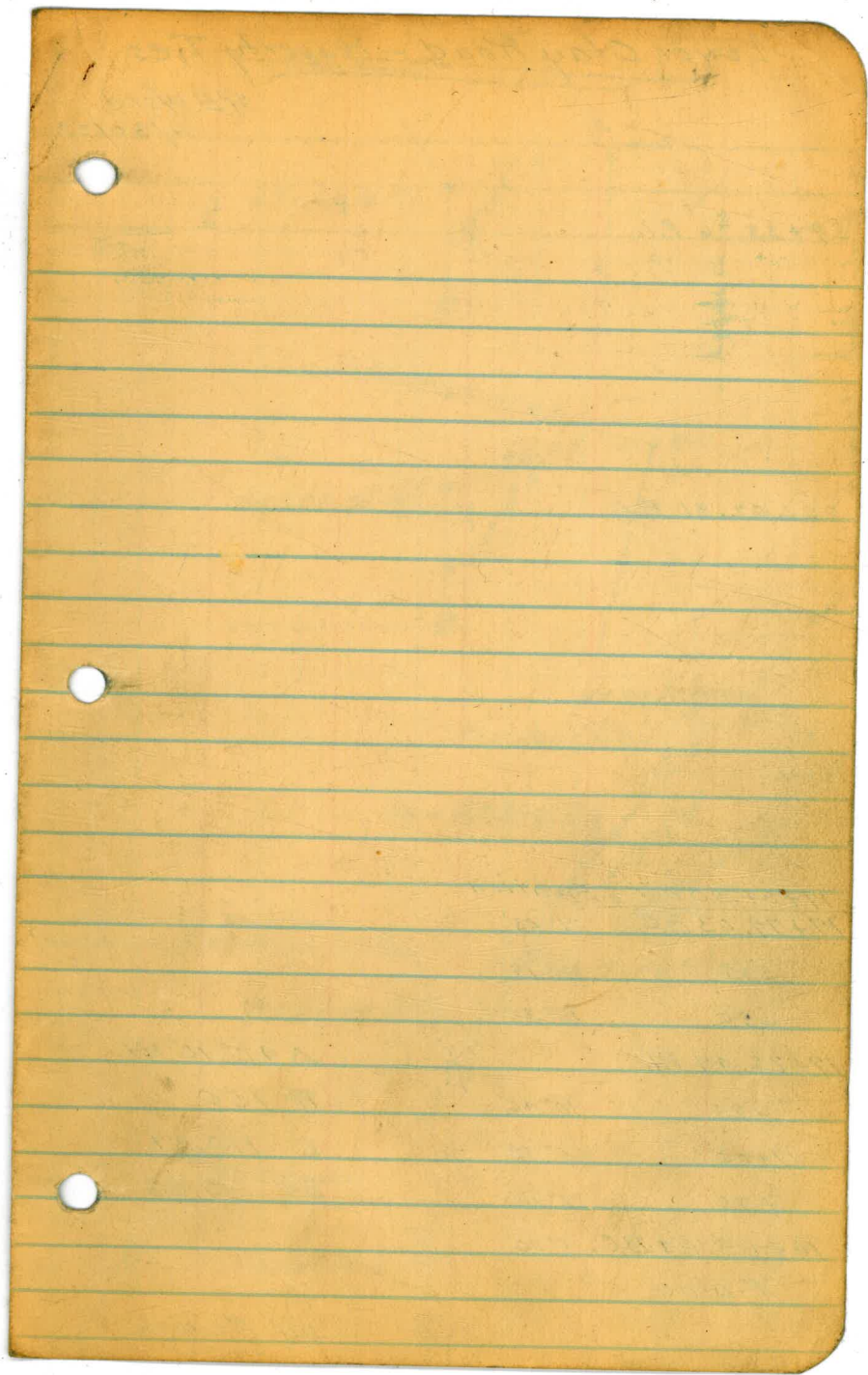


F.B. # 231

FB 531



Lower Otay Road - Property Ties.

F.E. Ward
11/30/27

29+35.76 P.I. X

26+02.81 P.I. X

17+84.30 P.O.T. Equation
17+79.03 E.C. 21° 05'

+75 20° 19'

+50 15° 32'

17+26.47 P.I. X

+25 10° 46'

17+00 5° 59'

+75 1° 13'

16+68.64 B.C. 0° 00'

"H" Line

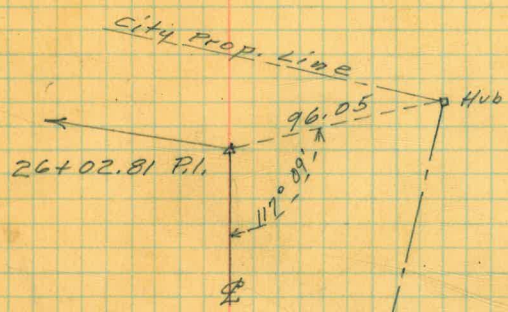
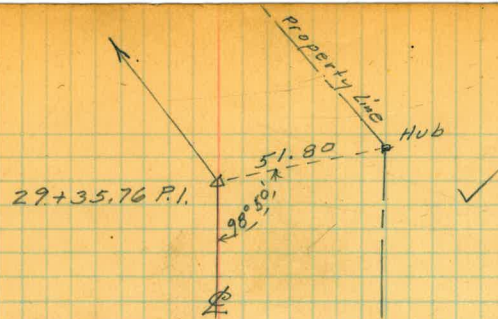
Δ 42° 10' FH.

FR 150

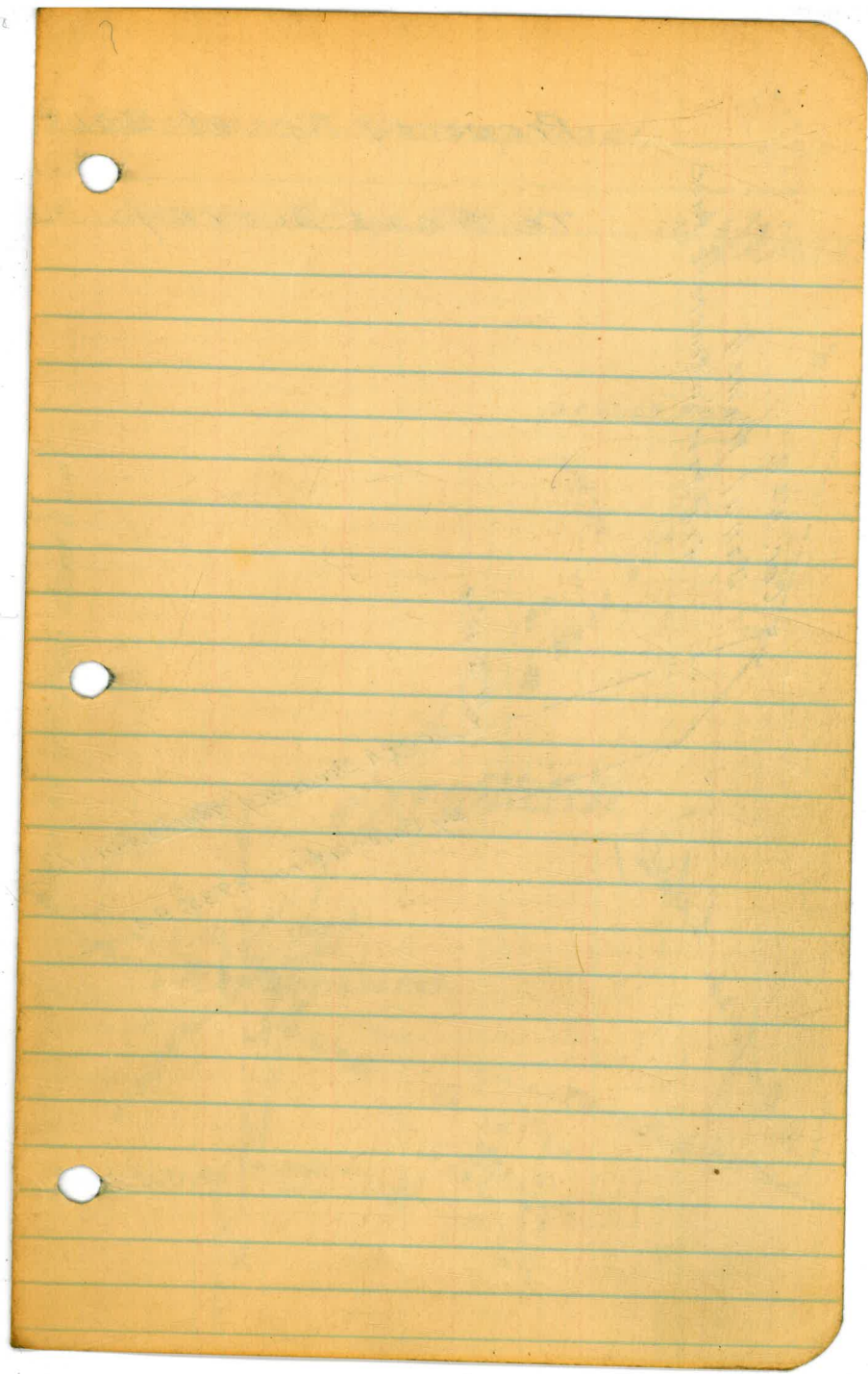
L 110.39

S.T. 57.83

Def. 1" = 11.46'



Plotted 11/3/27



Property Tie at South Boundary Rancho Janal,

To Road Survey at Lower Otay Dam.

12/5/27
F.E. Ward.

2935.83
2935.83
2935.83

Cor. No 2
Janal Ranch

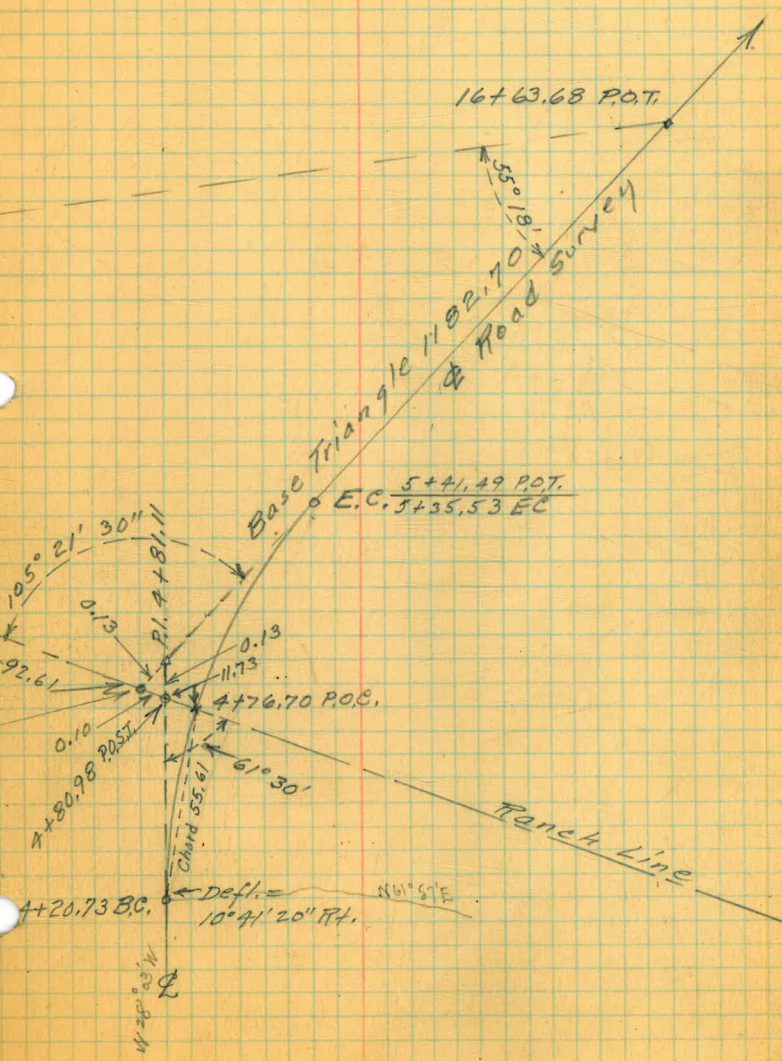
4" x 4" Post in Concrete Base

16 ft. from Richards

105	21	30
15	48	30
89	33	30
19	20	00
80	-13	00

South Boundary Rancho Janal
By Calculation 2935.83
91.61
2843.22

Hub on 150' Dam Contour.



4+20.73 B.C.
Defl. = 10° 41' 20" RT.

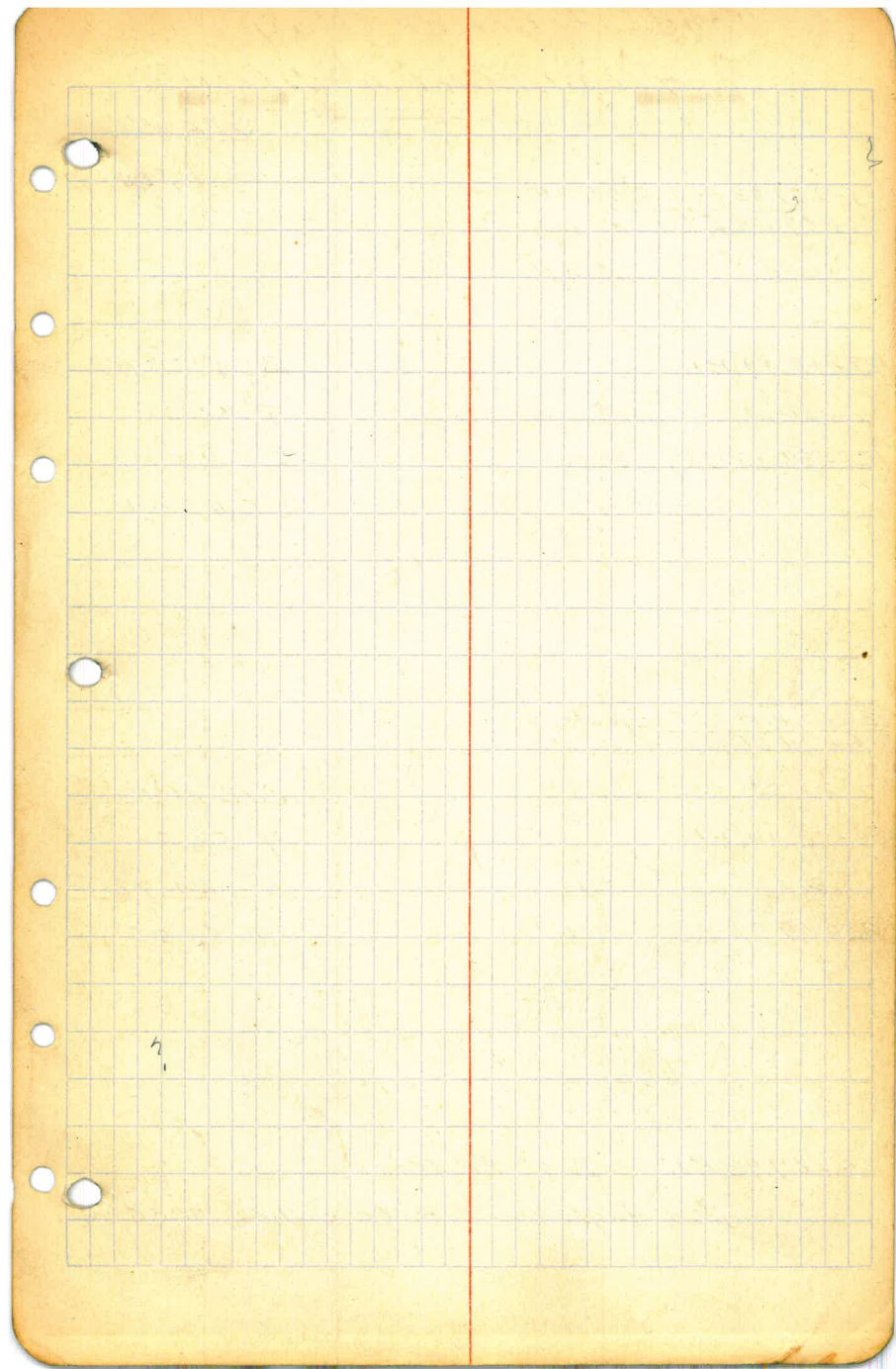
Base Triangle 1182.70
E.C. 5+41.49 P.O.T.
5+35.53 EC

16+63.68 P.O.T.

4+76.70 P.O.C.
Chord 55.61
61° 30'

105° 21' 30"
0.13
92.61
0.10
4+80.98 P.O.S.T.

W 28° 03' N



Road at Lower Otay
Alignment Additions

F. E. Ward,

11/30/27

130+09.53 P.O.T. Equation

130+07.88 E.C. $11^{\circ} 30'$

130+00 $10^{\circ} 45'$

+50 $5^{\circ} 58'$

129+48.49 P.I.

129+00 $1^{\circ} 12'$

128+87.45 B.C. $0^{\circ} 00'$

$\Delta 23^{\circ} 00'$ P.I.

R 300

L 120.43

S.T. 61.04

86+74.99 P.O.T. Equation

86+74.61 E.C. $6^{\circ} 00'$

+50 R 35'

86+22.44 P.I.

86+00 $1^{\circ} 44'$

85+69.89 B.C. $0^{\circ} 00'$

$\Delta 12^{\circ} 00'$ P.I.

R 500

L 104.72

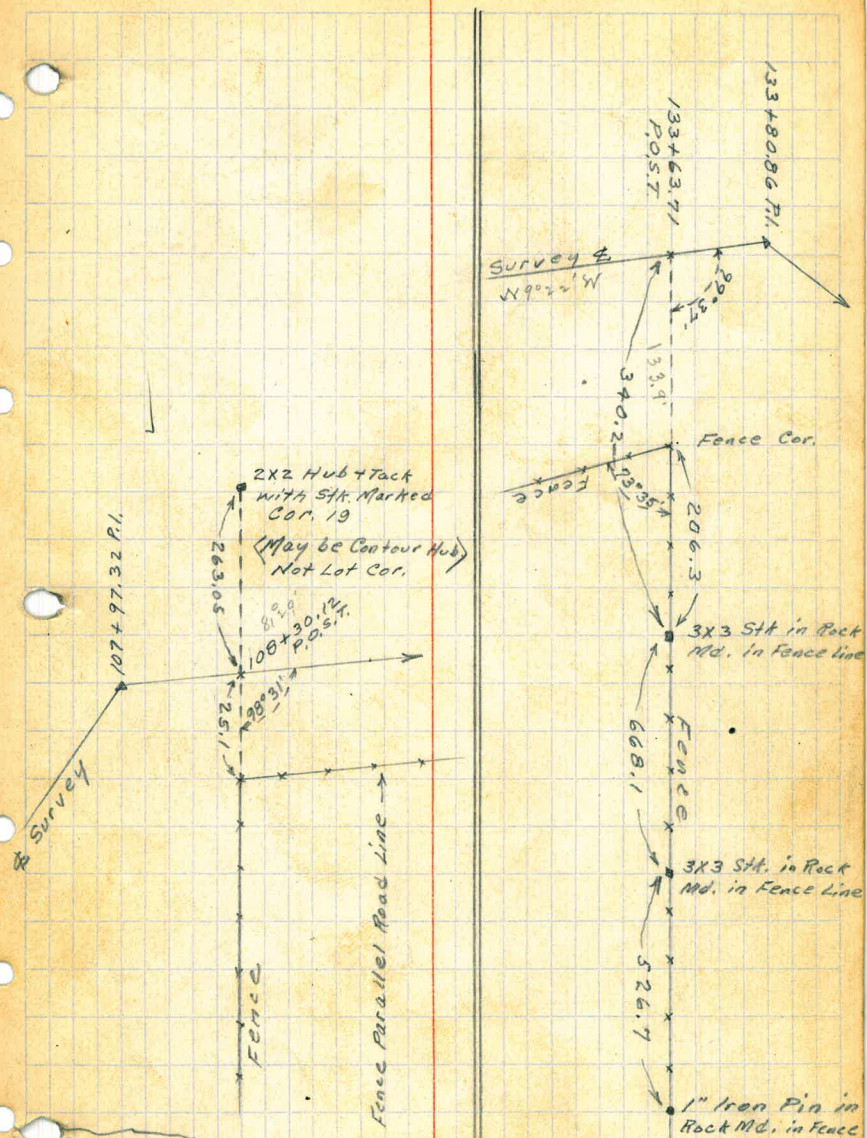
S.T. 52.55

66+67.93 P.I. — $\Delta 5^{\circ} 20'$ P.I.

Use Angle here — No Curve needed.

Plotted
12/3/27

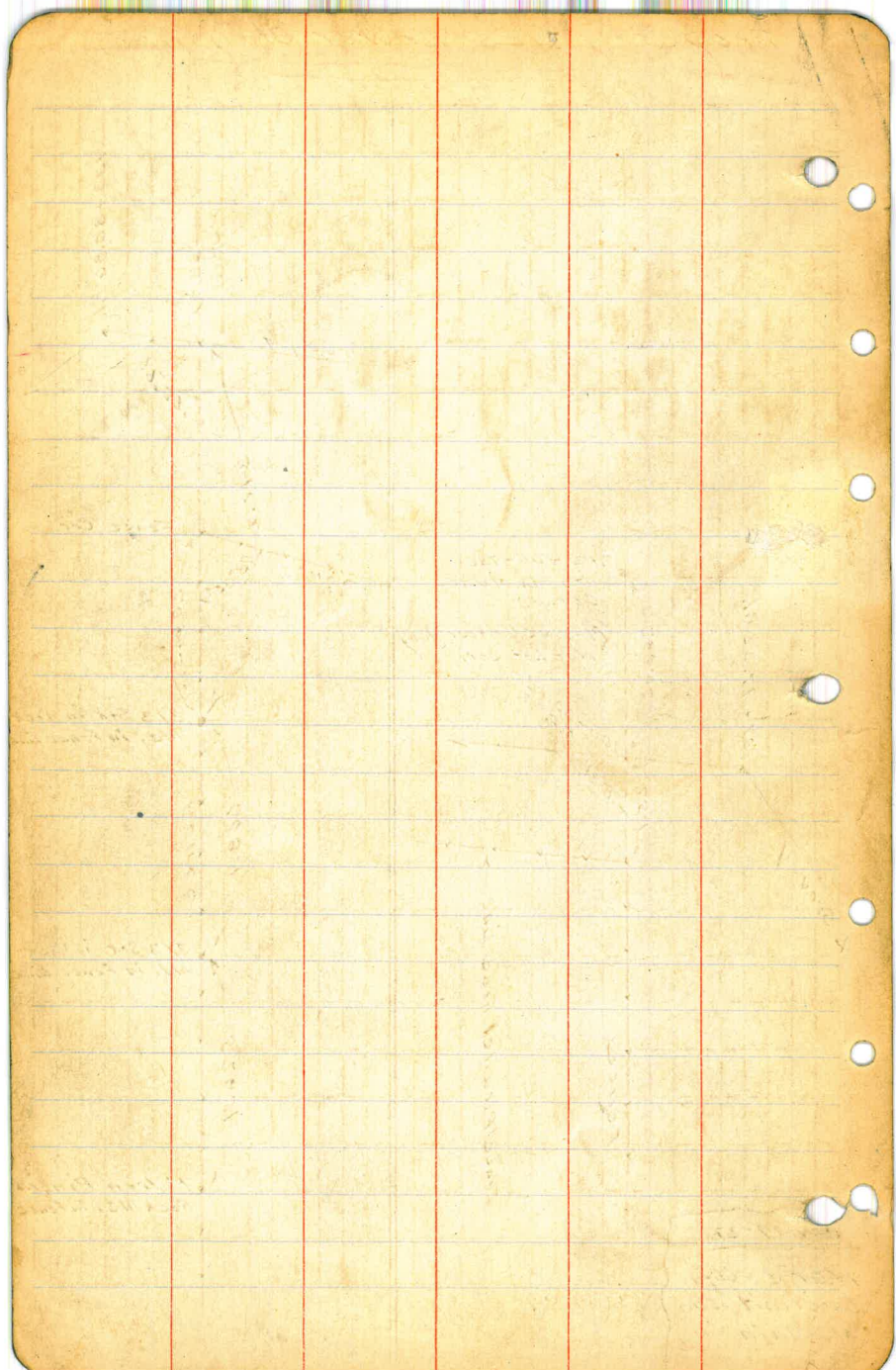
Property Ties Lower Otay Road.

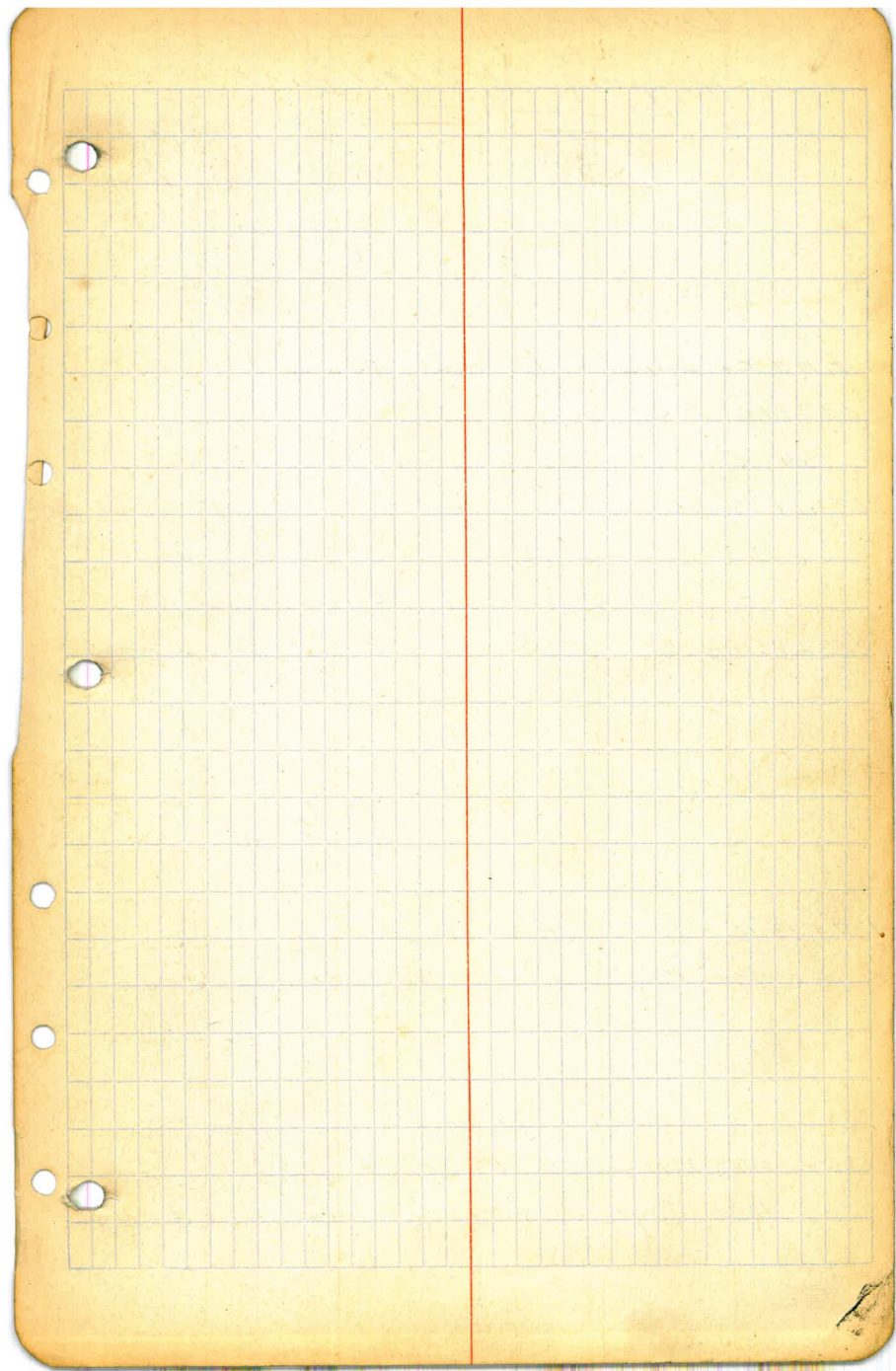


Nov. 19-27
 Ward - Chf.
 Duermit - Chf.
 M & Bain - ..

Plotted Nov. 19
 made to find 105.80
 m

Plotted Nov. 19





Lower Otay Road
Alignment Additions

R.E. Ward,
11/30/27

End of Line - ~~to~~ County Road

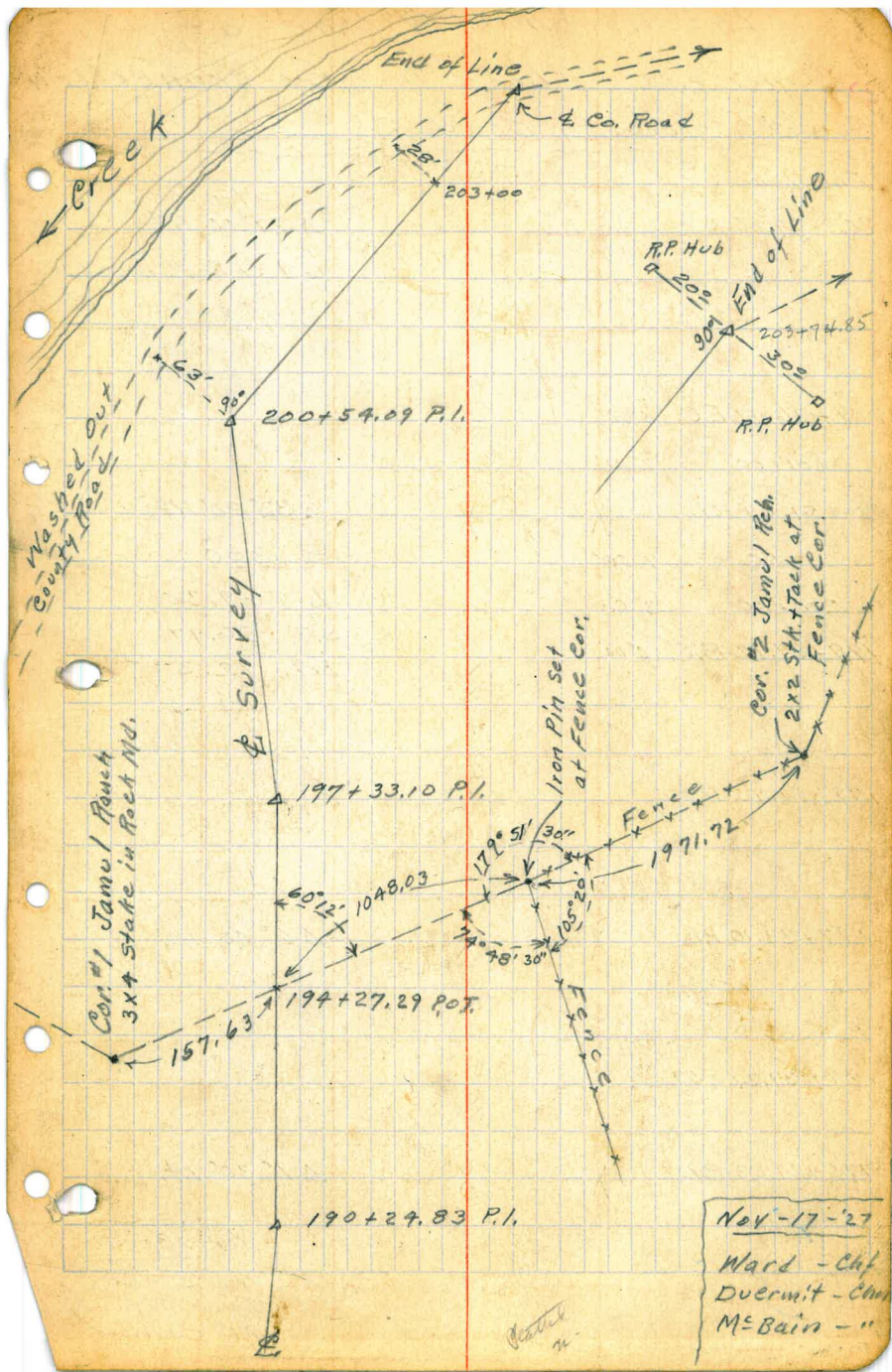
204+21.08 E.C.	13° 30'		
204+00	10° 29'		
203+74.85 P.I.		X	Δ 27° 00' Lt.
+75	6° 54'		R 200
+50	3° 19'		L 94.25
203+26.83 B.C.	0° 00'		S.T. 48.02

+90° A'
201+36.42

197+33.10 P.I. — Δ 6° 00' Lt.
Use Angle here - No Curve needed.

190+24.83 P.I. — Δ 1° 30' Lt.
Use Angle here - No Curve needed.

Checked 11/30/27
R.E.



Extension of "H" Line at
Upper end of Lake to new connection
with County Road.

End Line

203+74.85 Δ

X

X W 66° 41' E

Δ 27° 00' Rt

To Co Road Ahead.

Curve data on
other sheet.

201+36.42 E.C. 16° 10'

201+00 12° 41'

325.40
W 39° 44' E

200+54.09 P.I.

X

X

Δ 32° 20' Rt.

+50 7° 55'

R 300

200+00 3° 05'

L 169.30

199+67.12 B.C. 0° 00'

S.T. 86.97

Ext. 12.3

199+21.95 P.O.T.

320.99
W 7° 24' E

197+33.10 P.I.

X

X

Δ 6° 00' Lt.

194+27.29 P.O.T.

708.27
W 13° 24' E

190+24.83 P.I.

X

X

Δ 1° 30' Lt.

W 14° 34' E

Nov. 18-'27

Ward - Chf

Duermit - C

Mc Bain -