TIE POINT BOOK

STREET [illegible] NTERS
MIDDLETOWN
NCA[illegible] OF IVY STREET

2

T.P. 2
FIRST
BOOK

Return to City Engineers O
City Hall, San Diego, Ca

T.P. BOOK # 2

LOCATION	DESC.	PAGE
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14.	THORN: VINE: BEAN: WATER: } WATER TO CALIF	15 ~~16-17~~
	ATLANTIC: KURTZ: CALIFORNIA: } THORN TO BEAN	

4	0·24	11	1·88	18	5·14	2
5	0·38	12	2·24	19	5·76	2
6	0·55	13	2·63	20	6·42	2
7	0·76	14	3·06	21	7·11	2
8	0·98	15	3·53	22	7·85	2
9	1·24	16	4·02	23	8·64	3
10	1·55	17	4·56	24	9·47	3

April 28 1888

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...tz - S. Carpenter
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...o City Engineers Office
...Hall, San Diego, Cal.

12

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APR 5 1965

15. Kurtz: Bean to Couts 16-17

16. Witherby: Kurtz to Calif 18
Couts: Pacific Hwy to Calif
17. Hancock: Estudillo to Witherby 19
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19. California: McKee to Stone
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22. Hancock: Calif to Witherby 24
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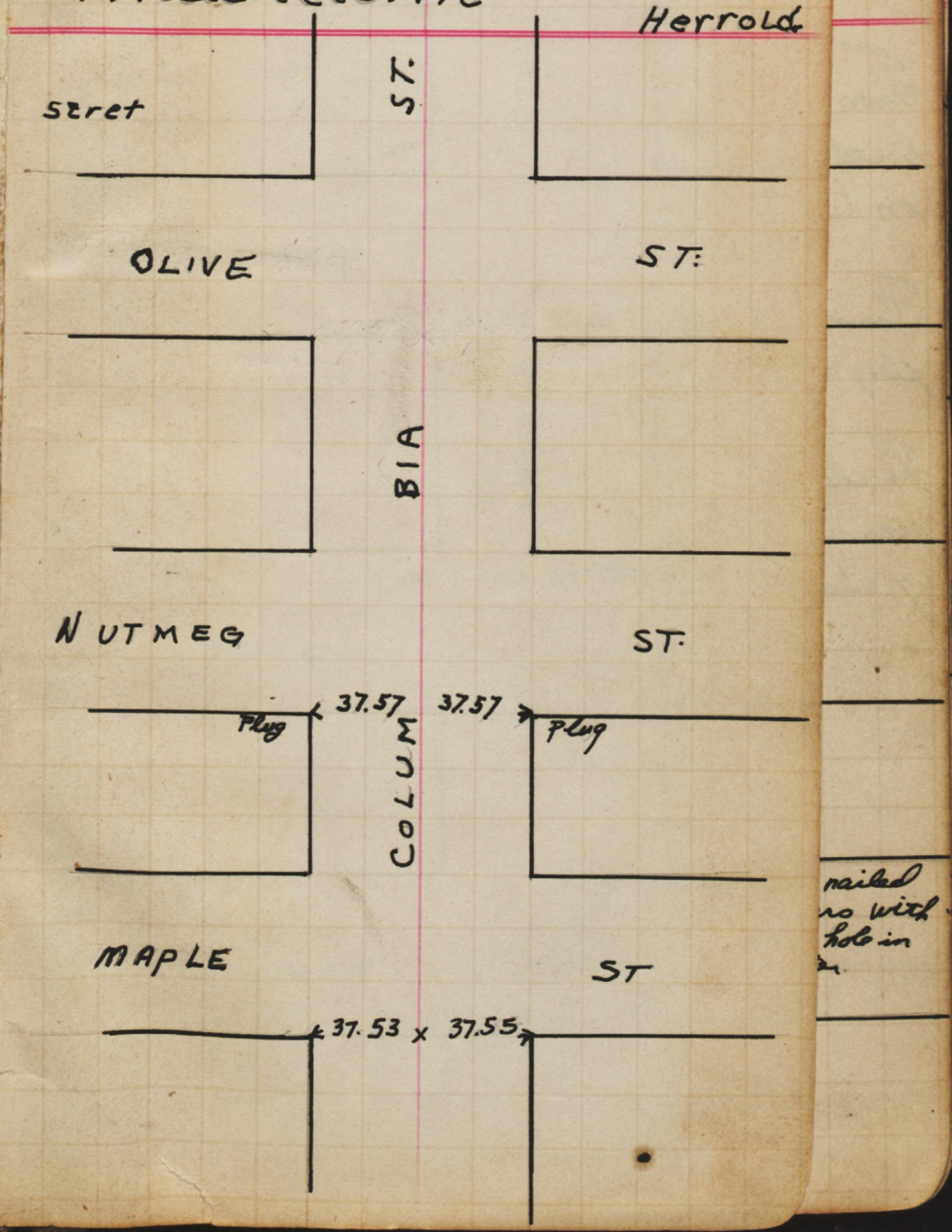
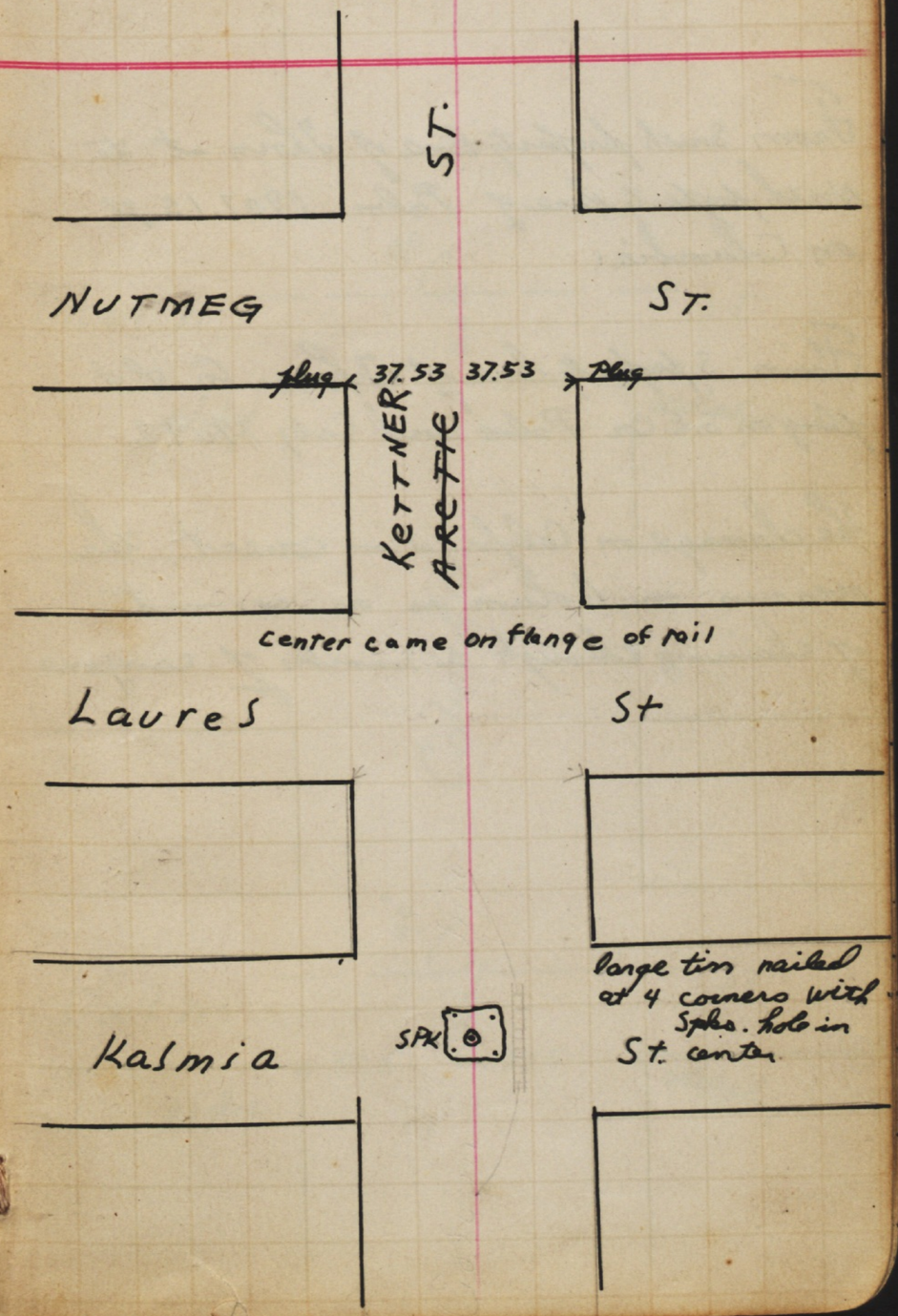
24. S.D. & P.B.R.R. 38-47
25. Blk #17 Lots 4, 5, & L 48
Middletown @ Bandini
& S.D. Ave

Memoranda

Middletown



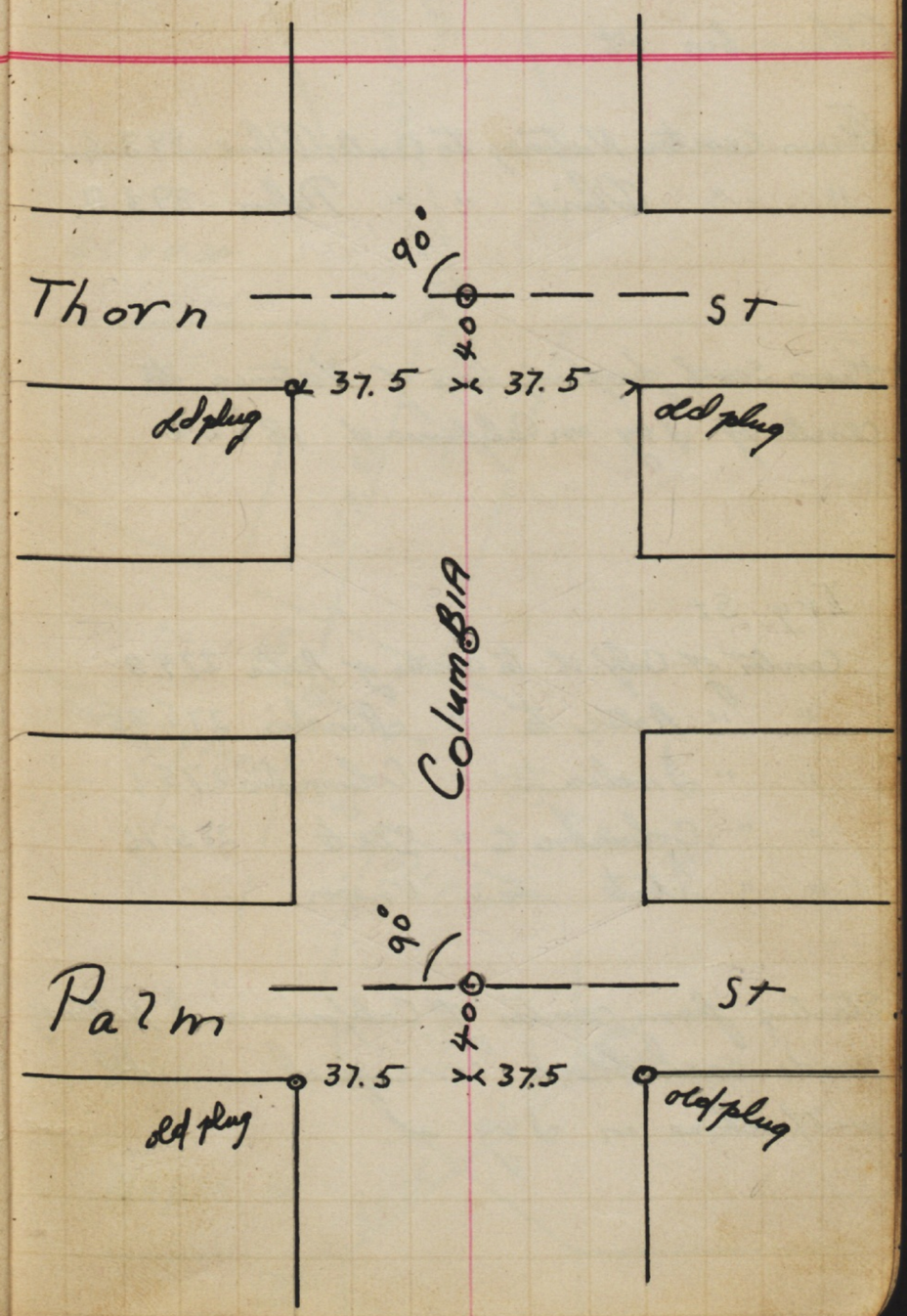
nailed
no with
hole in


ST.
NUTMEG
ST.
Plug
37.53
37.53
Plug
Kerr
Arc
center came on flange of rail
Laures
St
large tins nailed at 4 corners with Spike. hole in St. center
SPK
Kalmia

From South property line of Thorn st to North property line of Palm 1907.15 ft on Columbia!

From S. property line of Thorn to old plug on S.E. Cor Palm and Caly. 1904.2

The chainage on Calyor. st in correct. the overrun on Colum. is on account of chaining through a number of canyons



Columbia st.

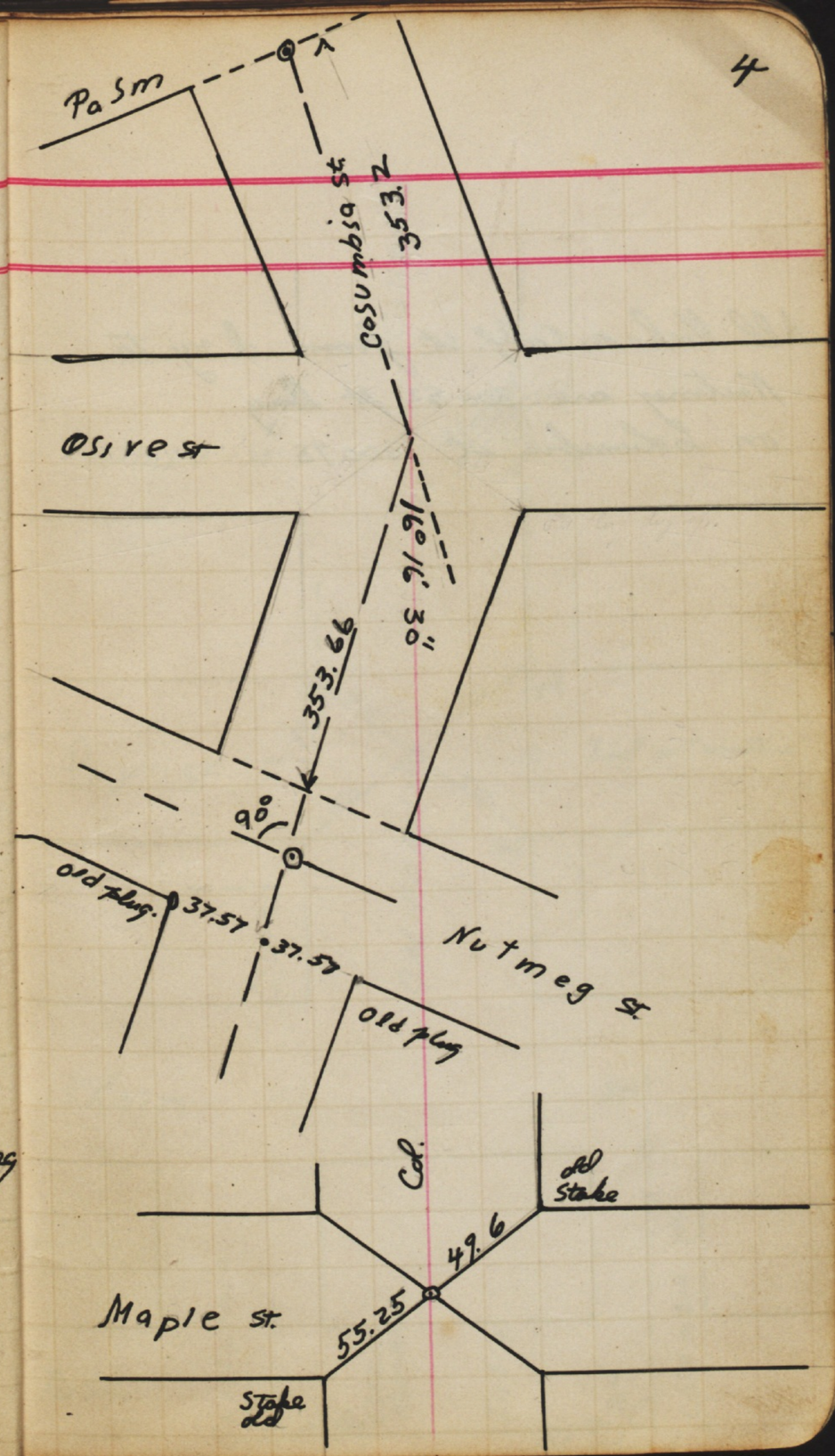
From center Nutmeg to center Olive 393.6
" " Olive " " Palm 393.2

From south property line of Nutmeg to center of Ivy on California st. 1862.6

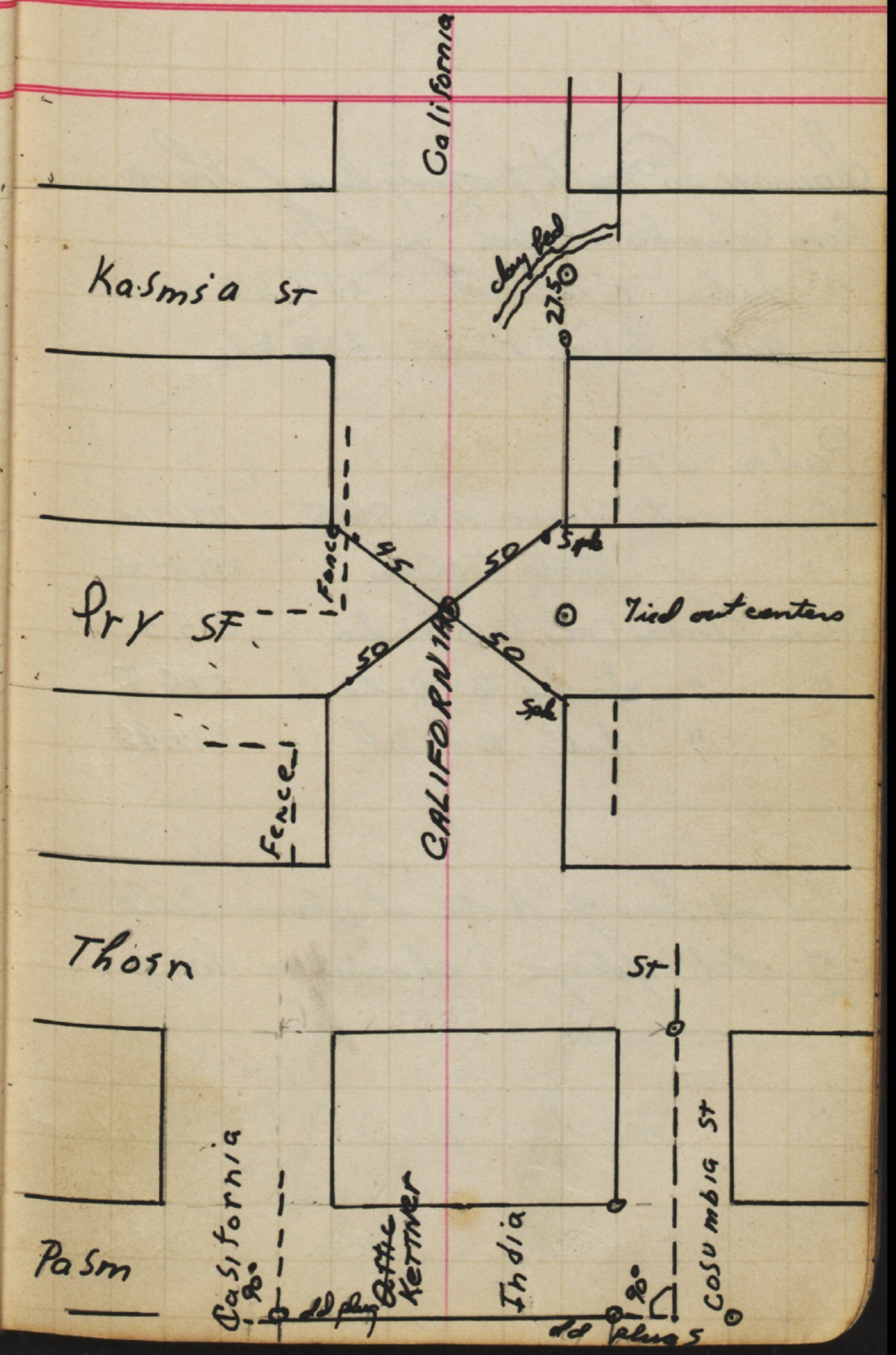
Ivy St

Center of Calif. st to center of Artic 279.8
" " Artic to " India 275.25
" " India to " Columbia 275.1
" " Columbia to " State 275.16
" " State to " Union

Starting from center of California and Nutmeg made each block correspond in width with those on Ivy st.



All blocks on Calif. st. from Ivy to Nutmeg are 300.52 ft long on Columbia st. 300.73



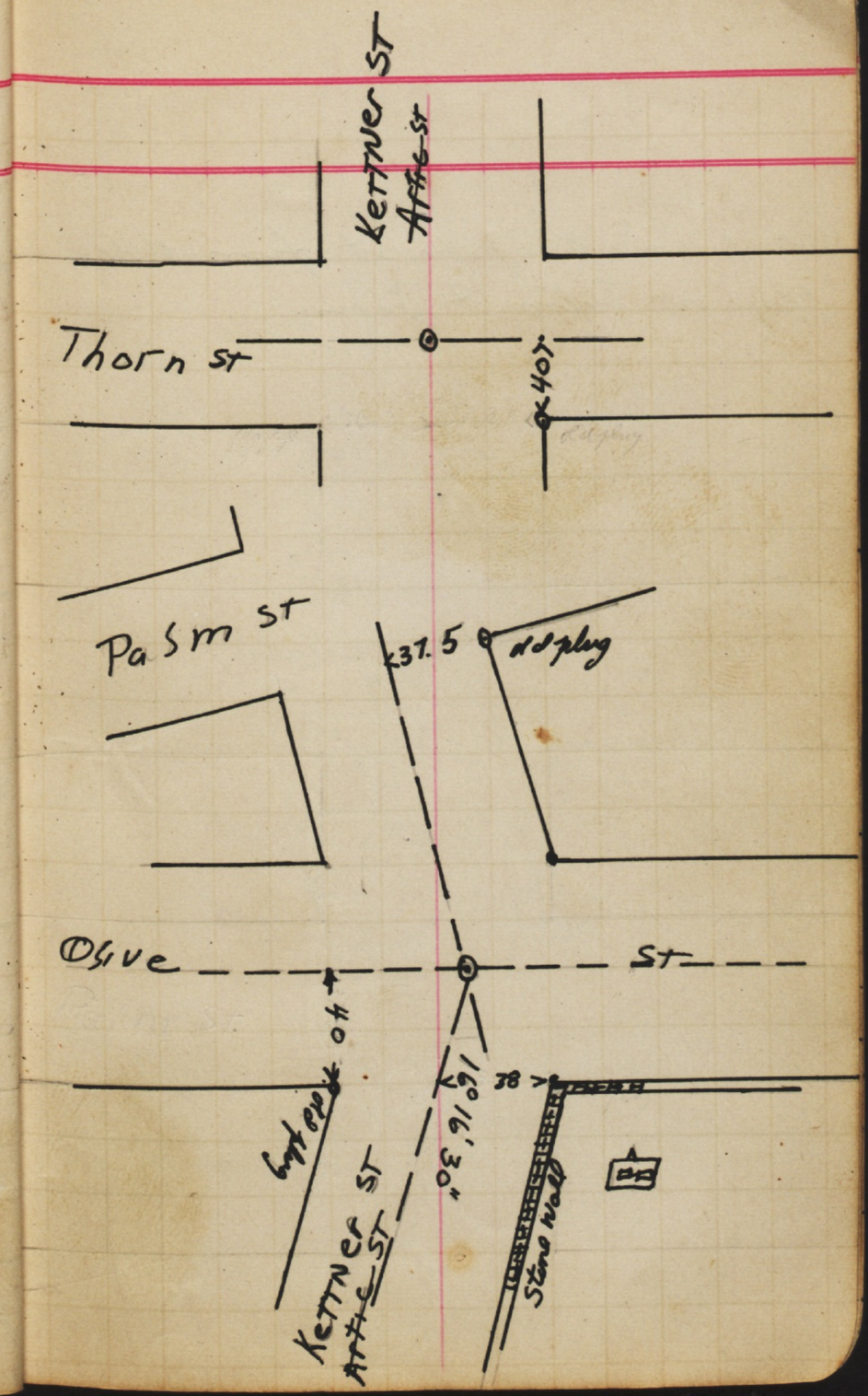
Chainage on ~~South~~ property line of Thorn

from Columbia to India		274.65
" India to Artic		274.88
" Artic to Col. P. Line		238.87

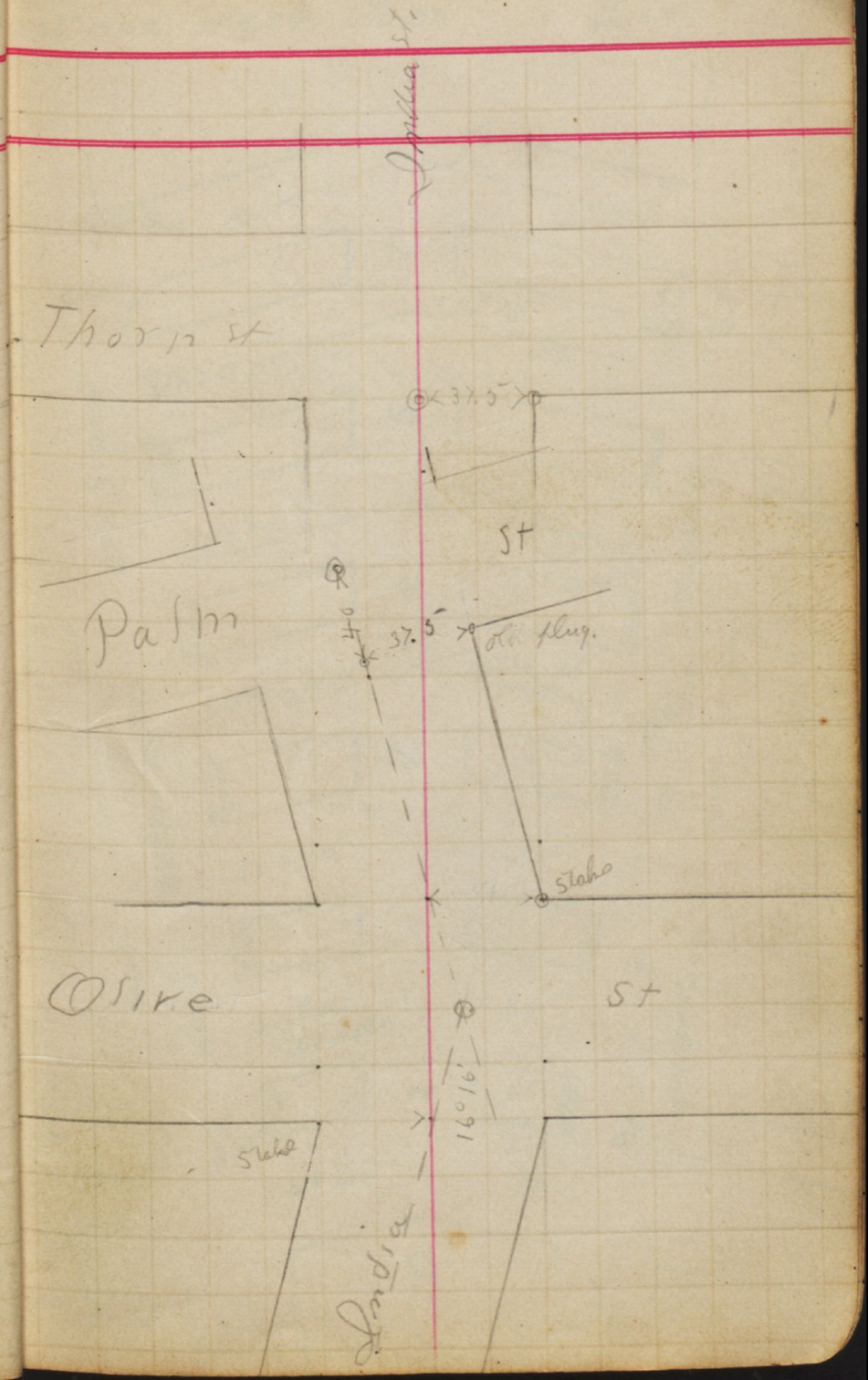
Palm St

From center Union to ⊙ State		275.
" " State to ⊙ Colu.		27.5.25
From Center Colu. to ⊙ India		275.3
" " India to " Artic		275.5
" " Artic to " Col.		274.85

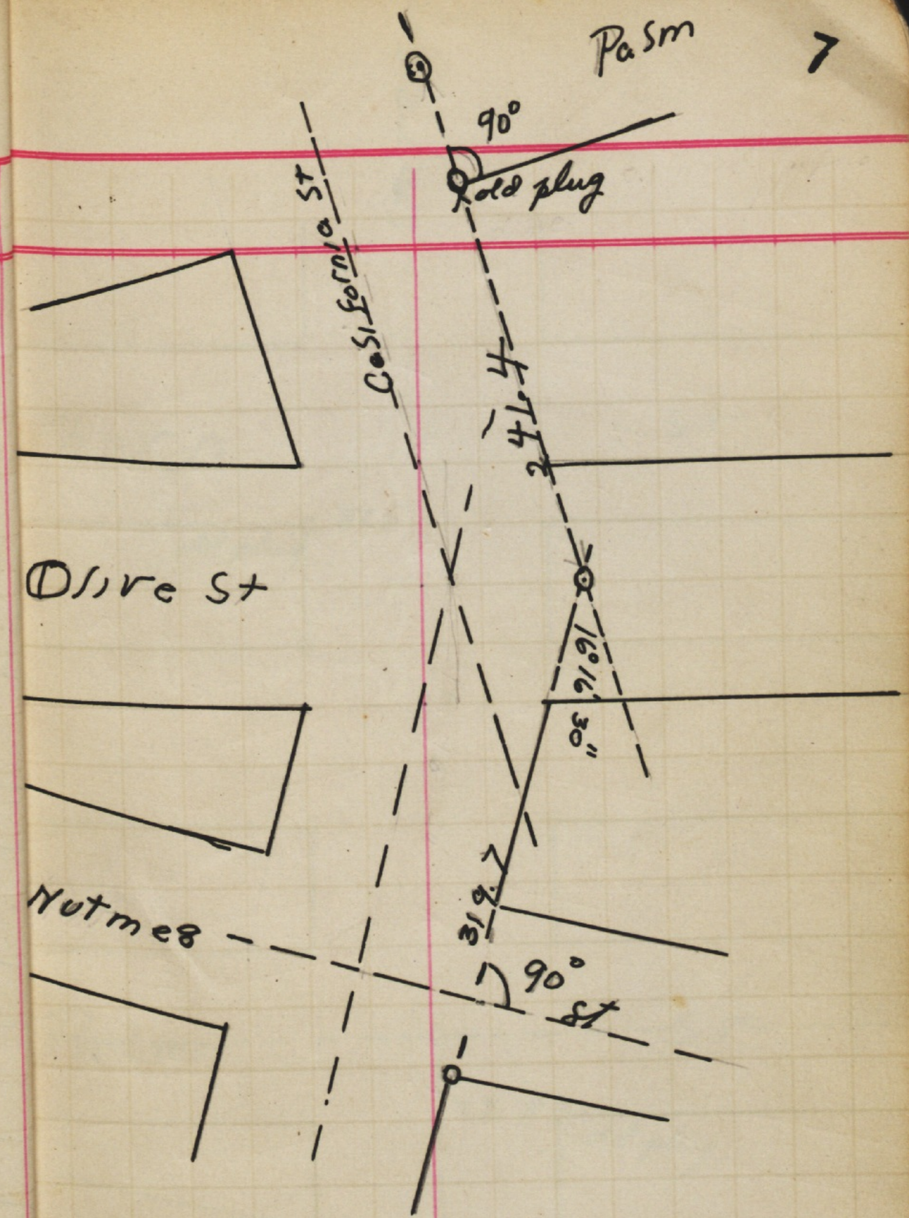
Got up line of Artic at from line
7 old plugs shown on map

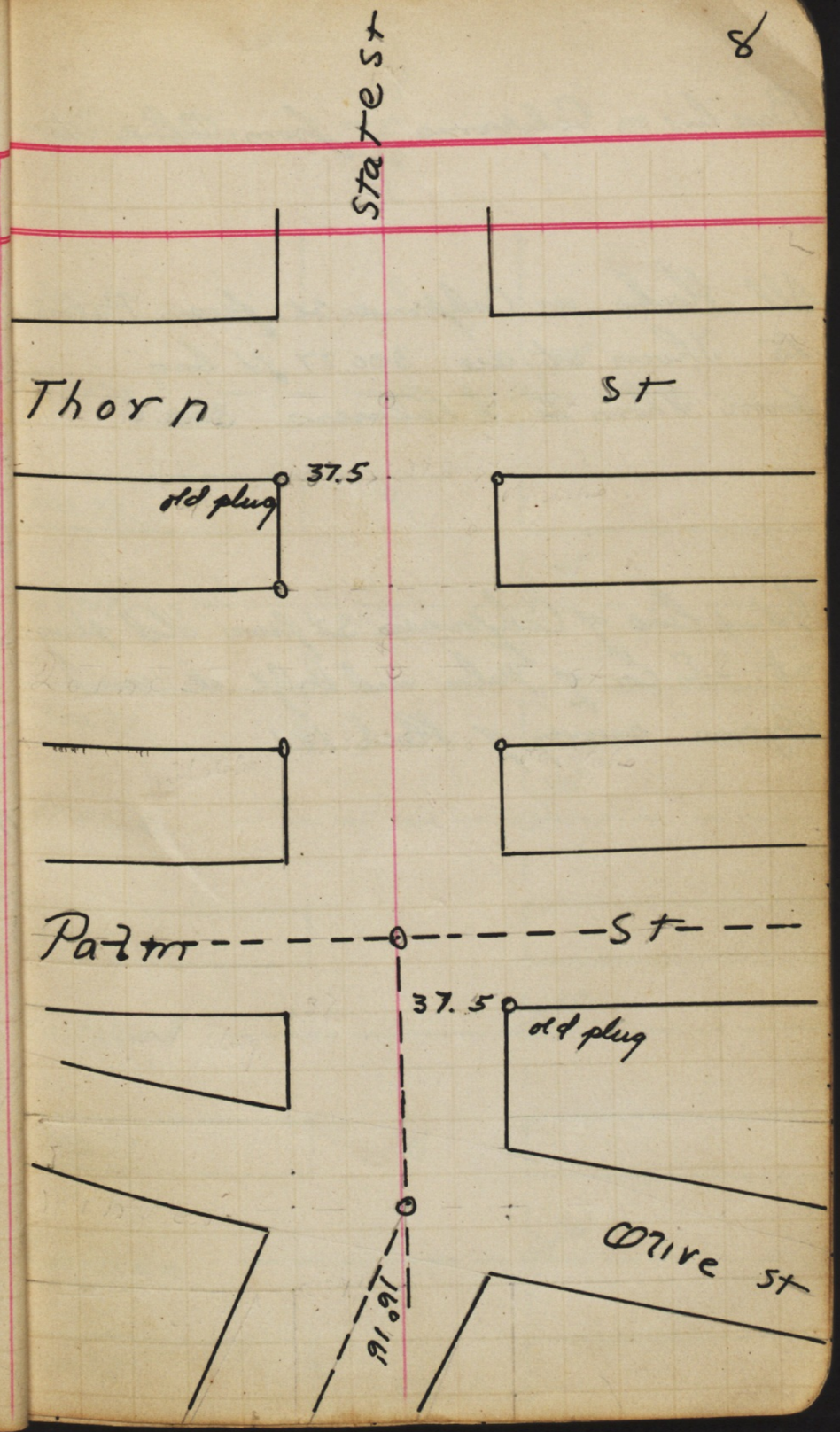


Got up. line of India St from old plug on Palm & Thorn



ast and West lines Base

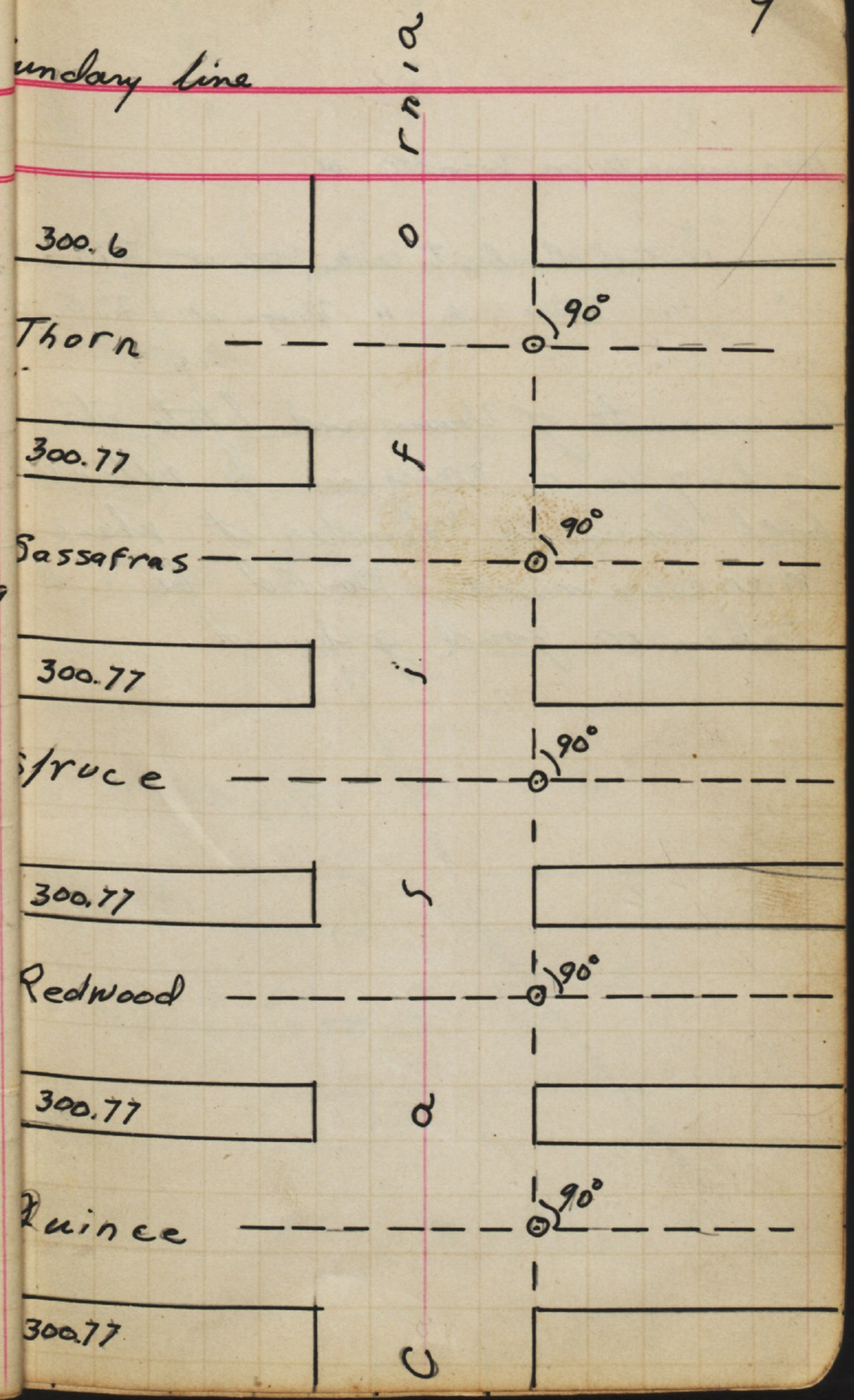

Pasm
90°
old plug
California St
Olive St
Nutmeg
90° St


State st
Thorn
st
37.5
old plug
Palm
St
37.5
old plug
Olive st
160 lb

Base line on California St from Olive to Boundary line

All blocks on California st from Palm to Thorn st are 300.77 ft. long from Thorn to Chalmers 300.6

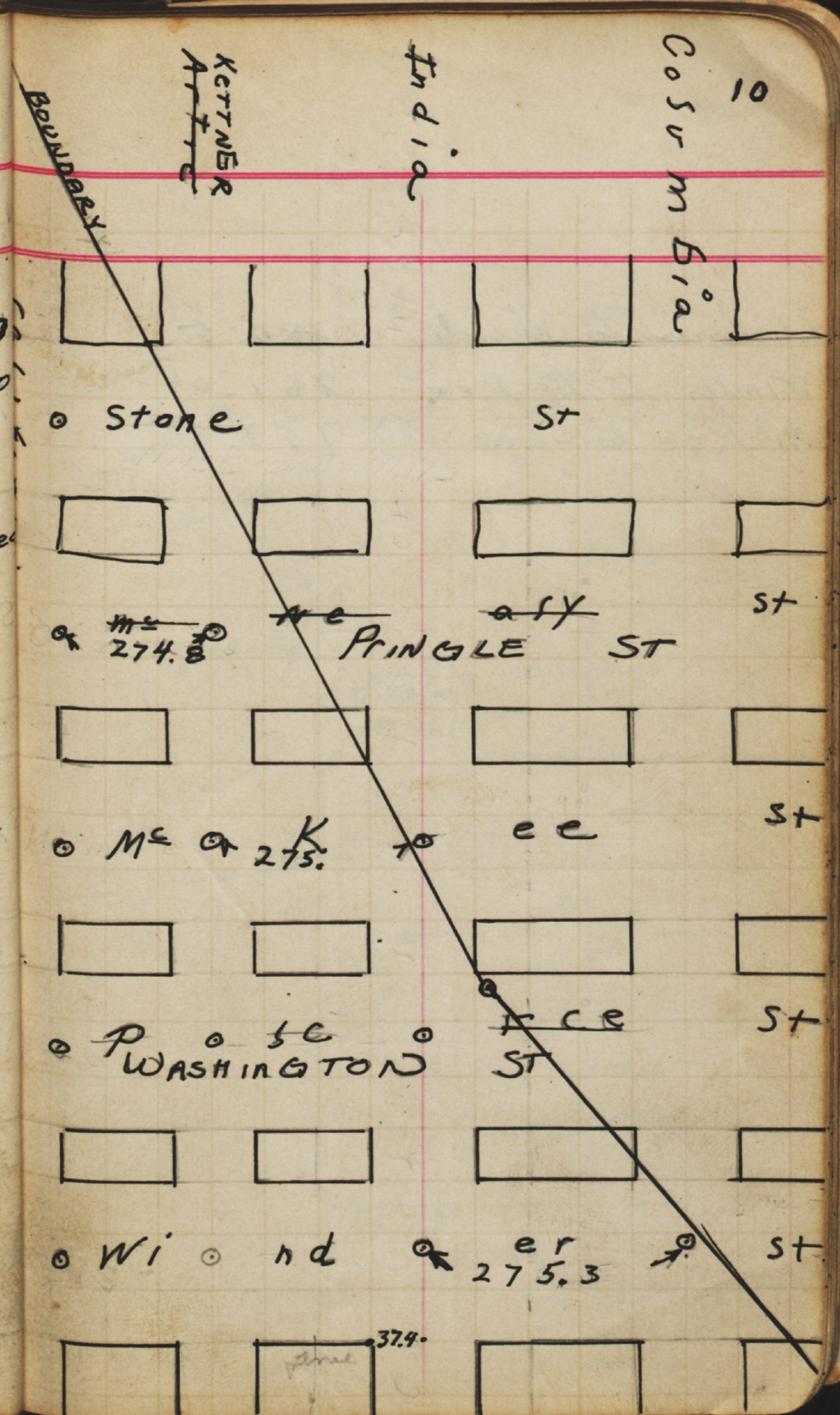
Get up line of California St from old plug at S.E. cor of Palm and Calif. st. and Ryans survey of Block 191



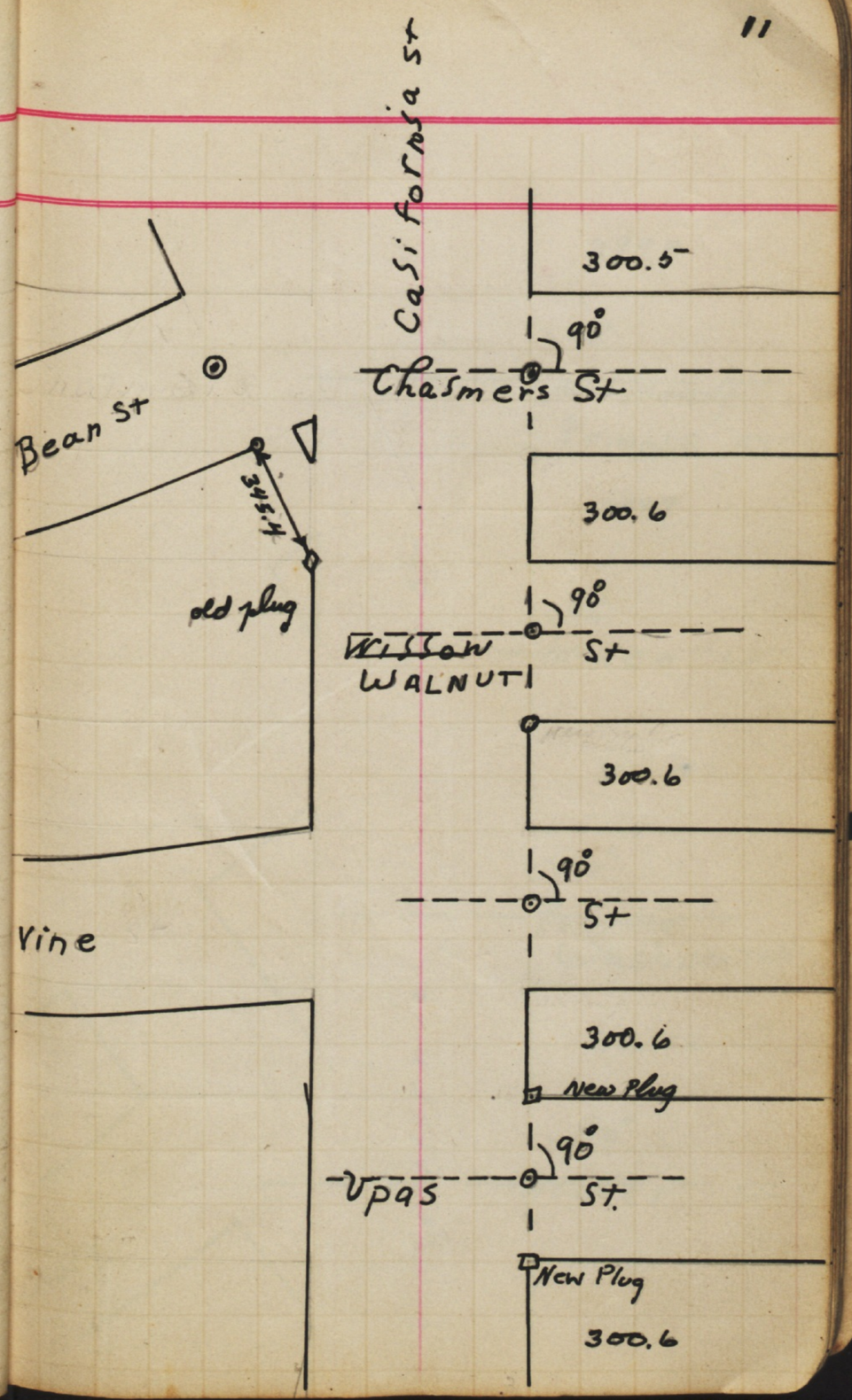
Measurements on Winder st

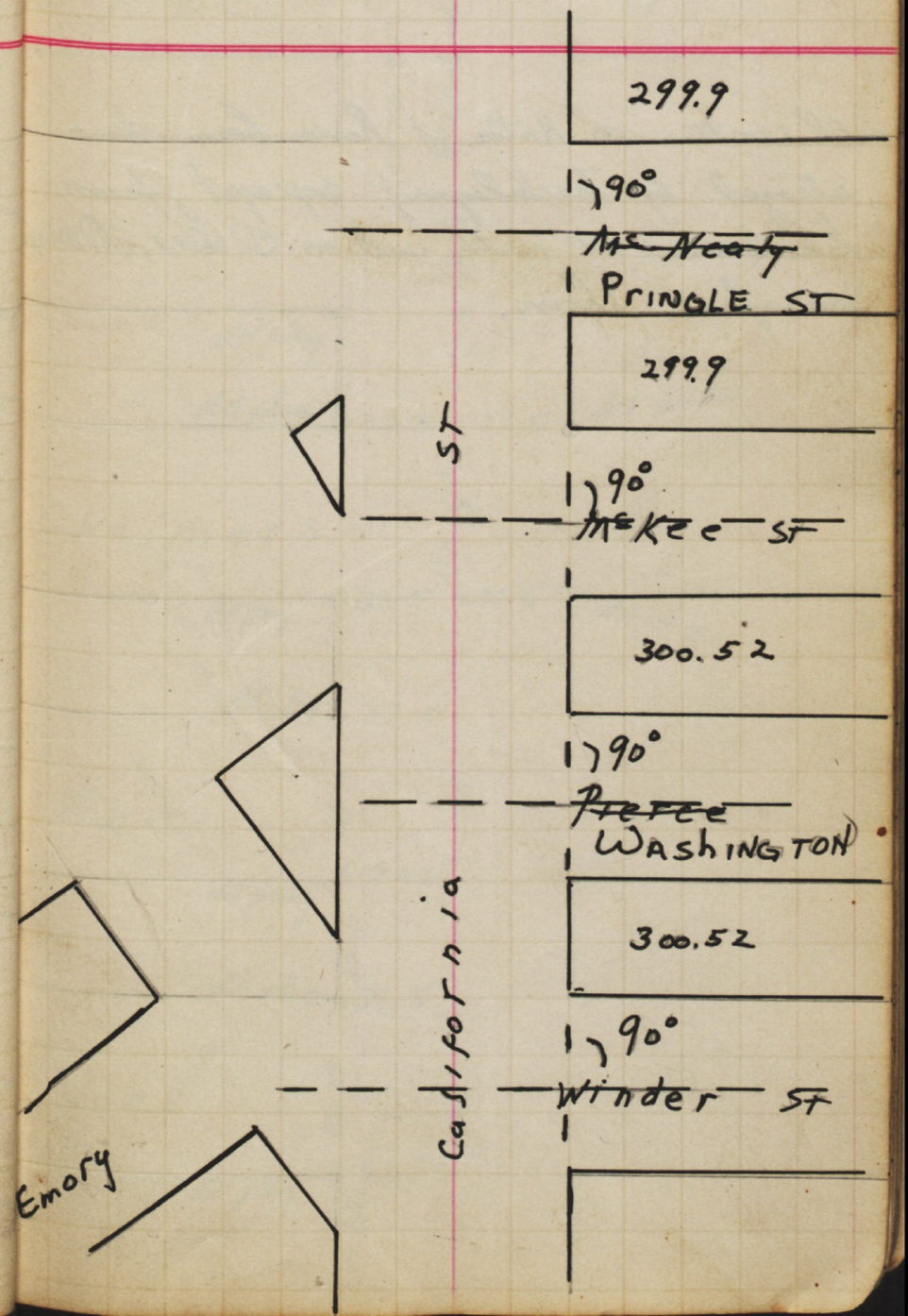
From axes Columbia to center, State st 275.27
" " State to " Union st 275.00

On account of Unions and State sts ending in a canyon I extended both lines to Winder st where measurements could be taken on good ground.

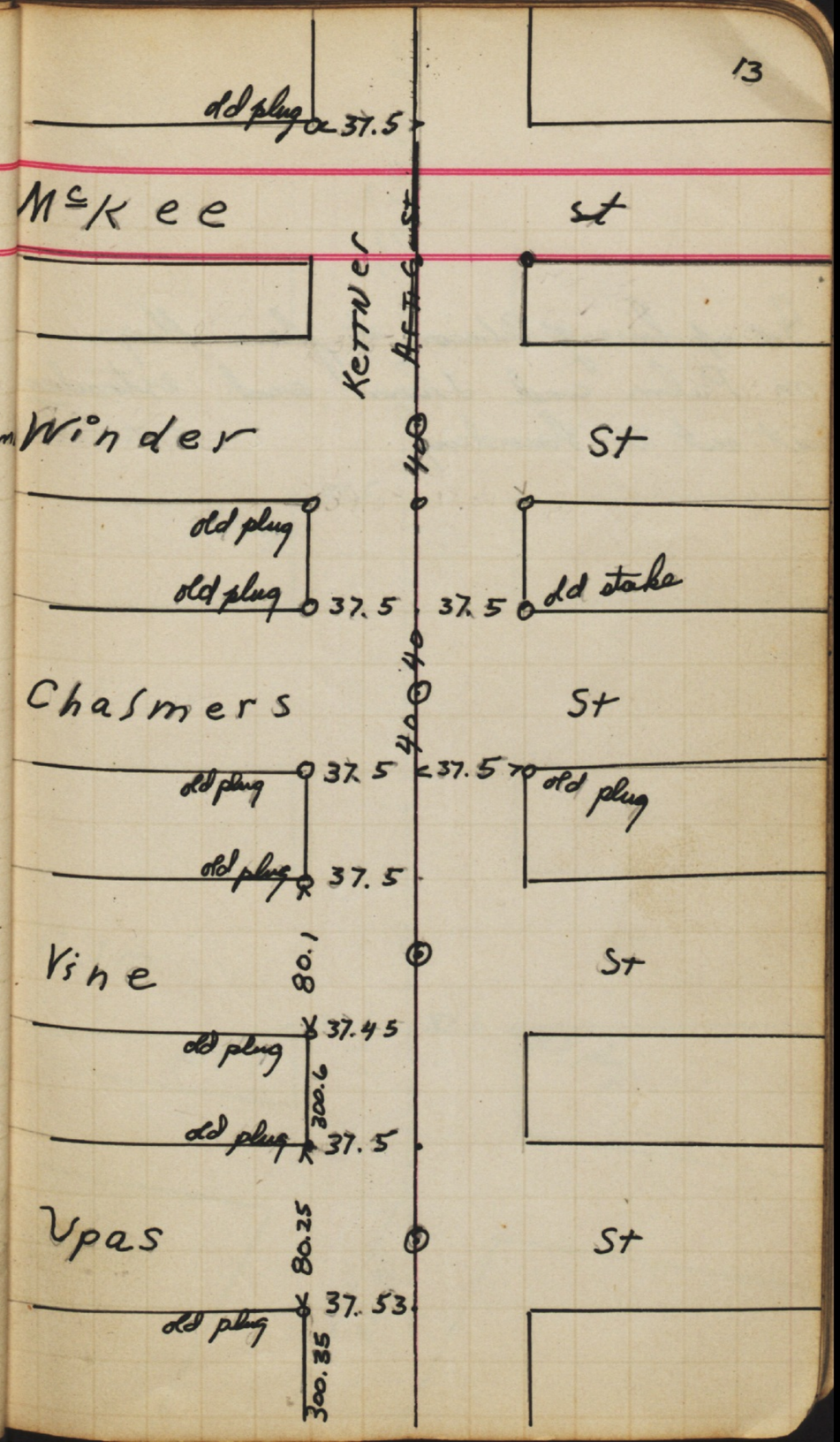


Chalmers to Winder	380.5
Winder to McKee	761.04
McKee to Stone	759.8

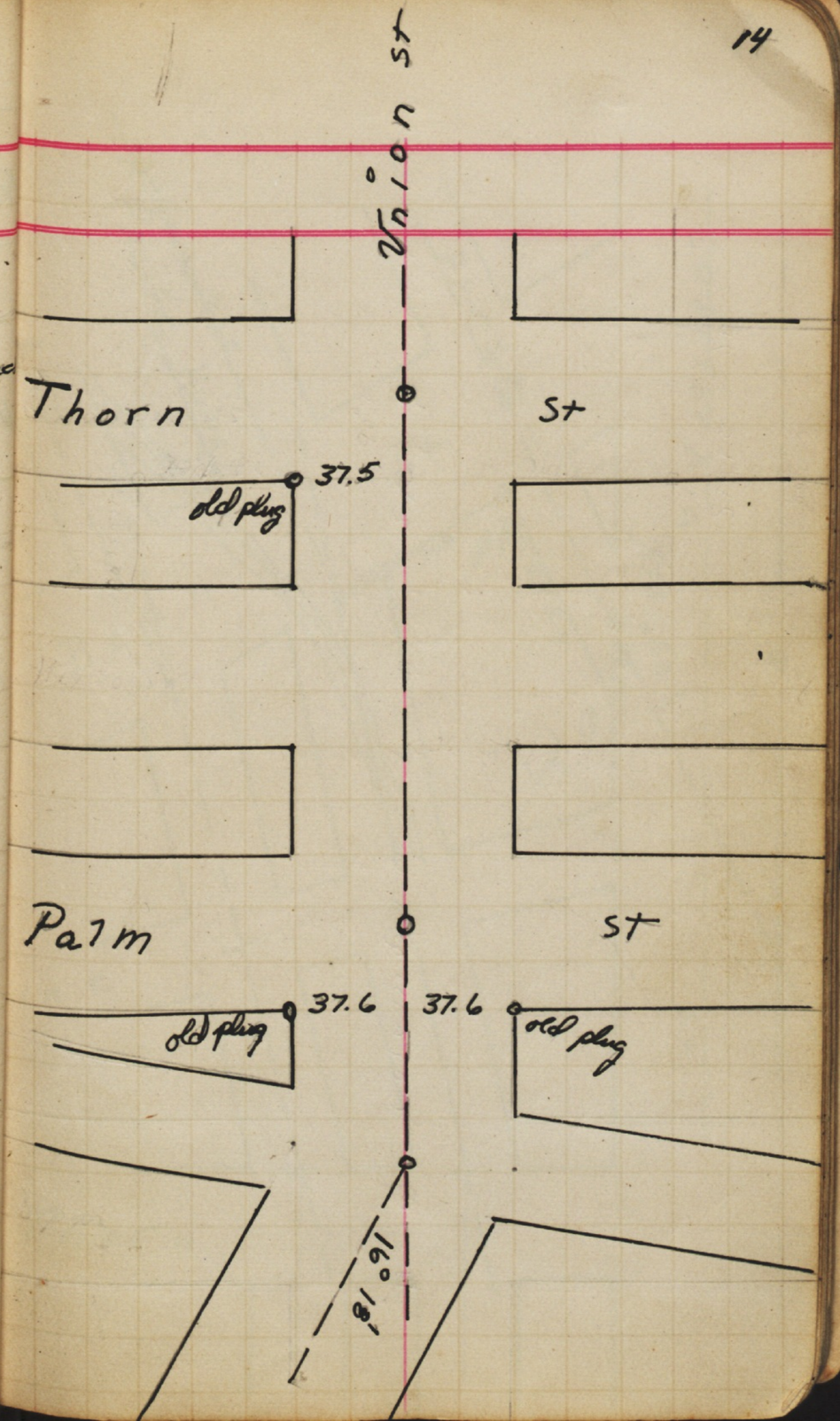



299.9
90°
~~Mc Neely~~
PRINGLE ST
299.9
90°
~~McKee~~ ST
300.52
90°
~~Pierce~~
WASHINGTON
300.52
90°
~~Winder~~ ST
California
Emory

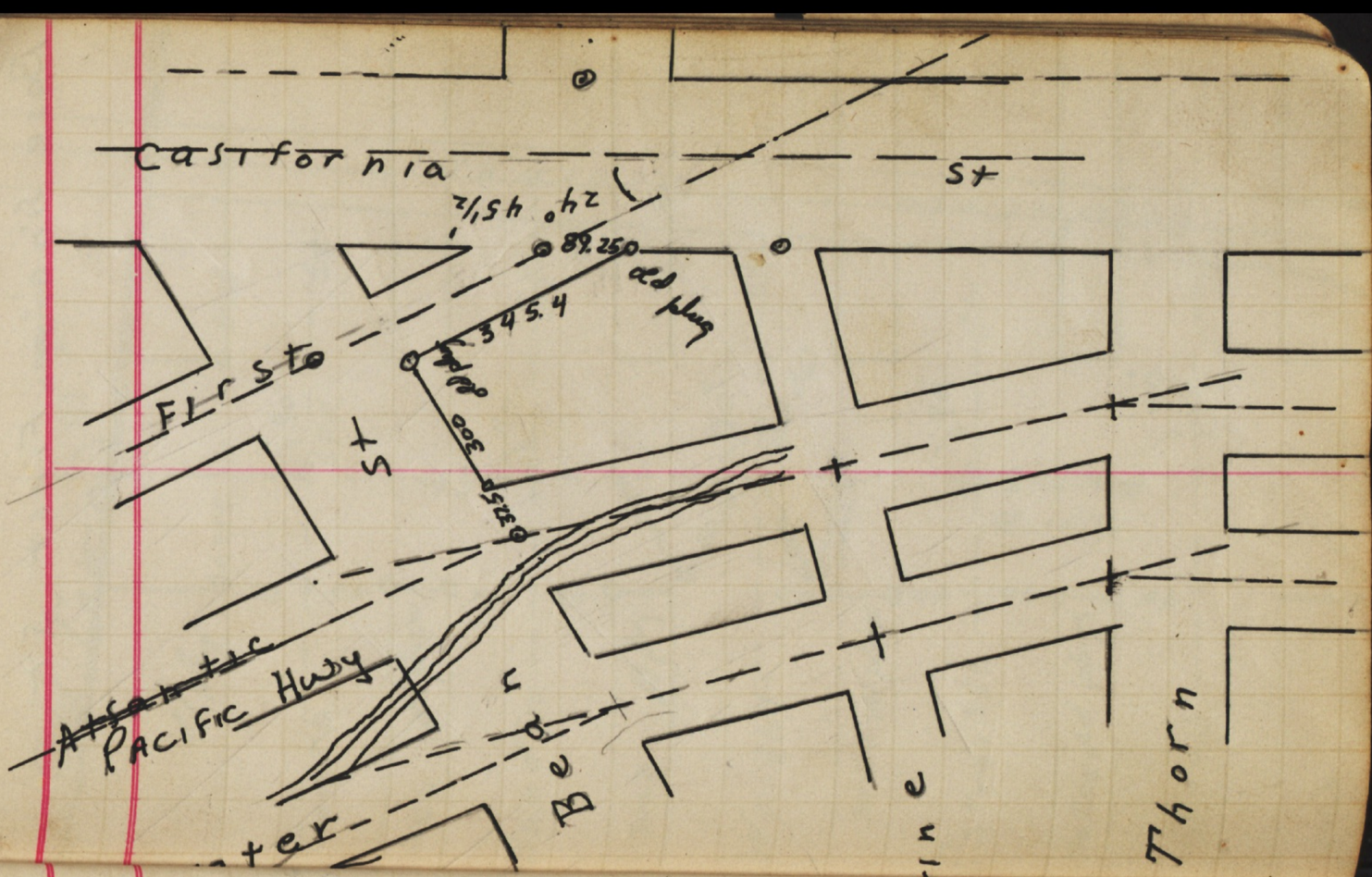
All centers on Artic st have been destroyed by tracklaying except from Chalmers st north and on Olive, Gum Sassafras, Thorn.



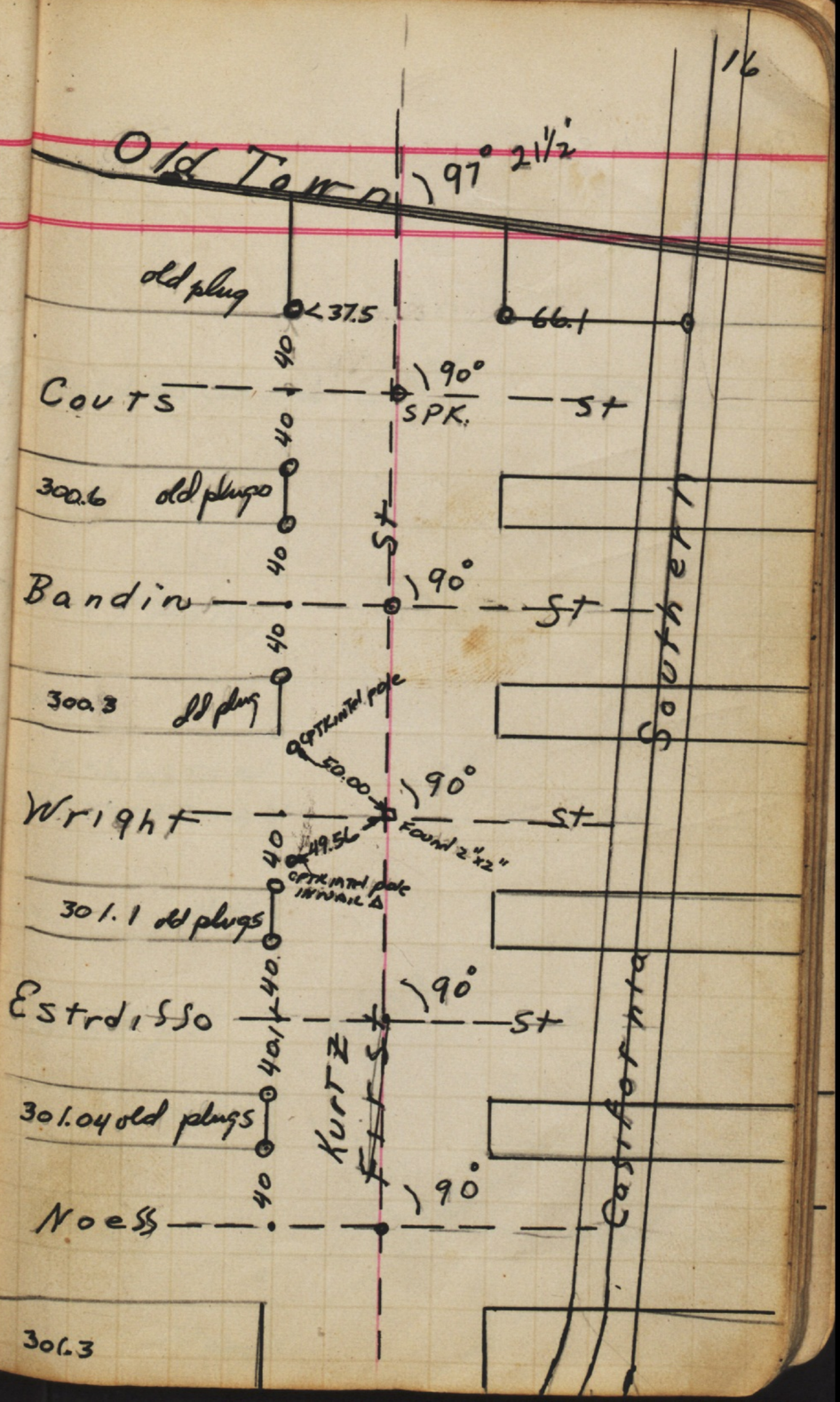
Got up line of Union st from plugs on Palm and Thorn and extended it out to boundary.



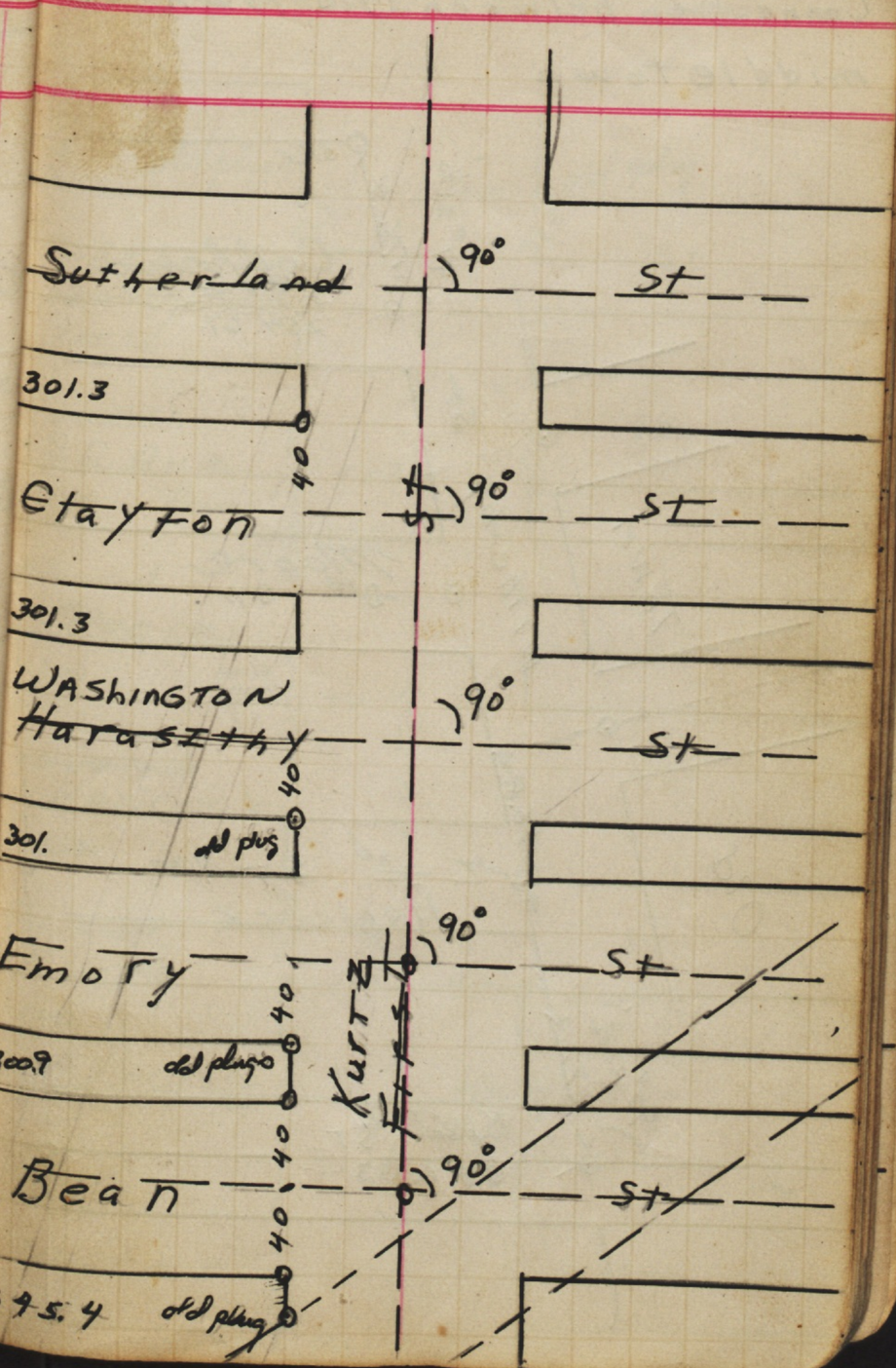
15



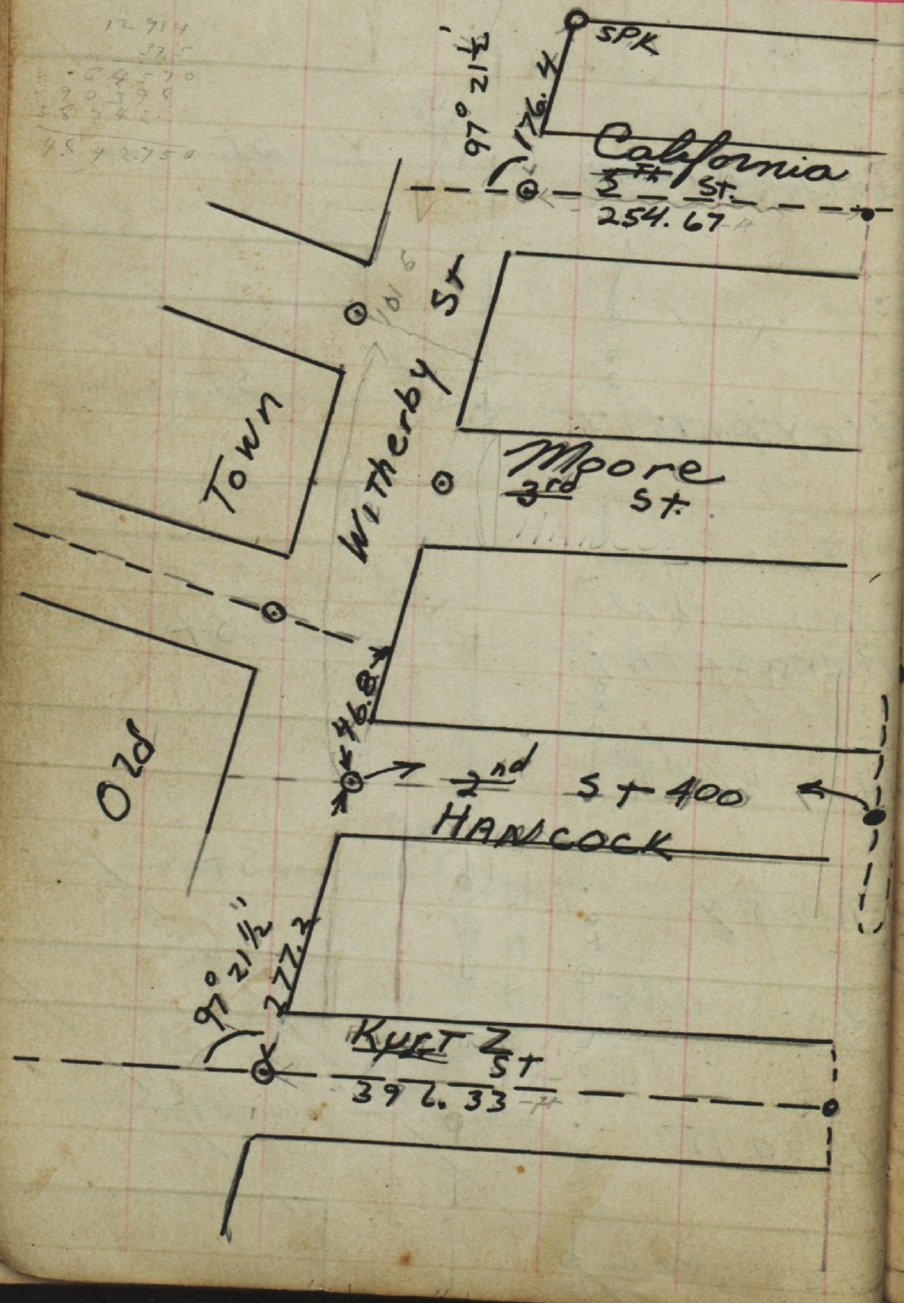
Base line on First St



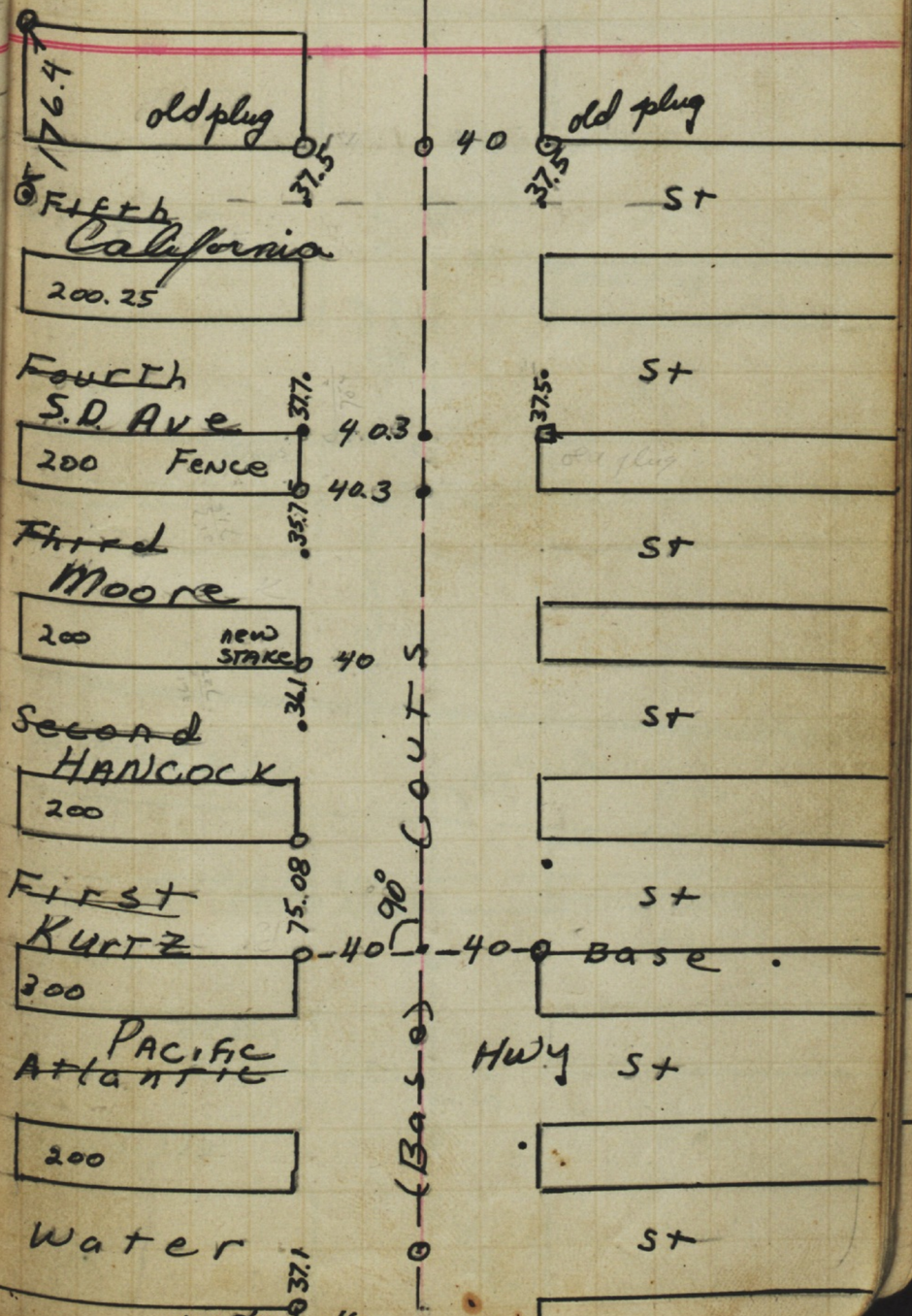
Baseline


Sutherland
90°
St
301.3
40
Etayfon
90°
St
301.3
WASHINGTON
Harasztthy
90°
St
40
301.
old plug
Emory
90°
St
40
Kurtz
300.9
old plug
Bean
90°
St
40
345.4
old plug

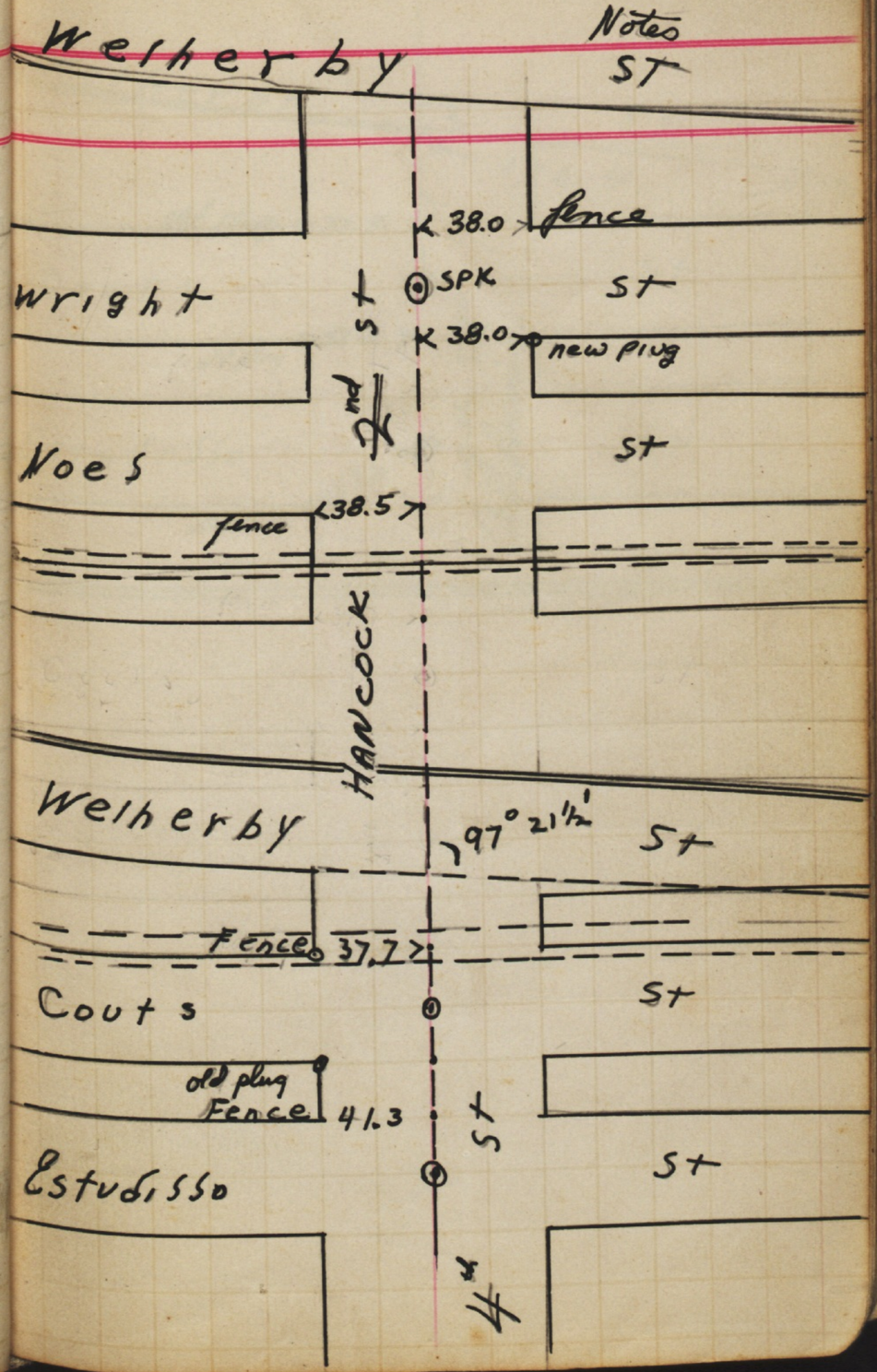
Connection between Old Town and middletown

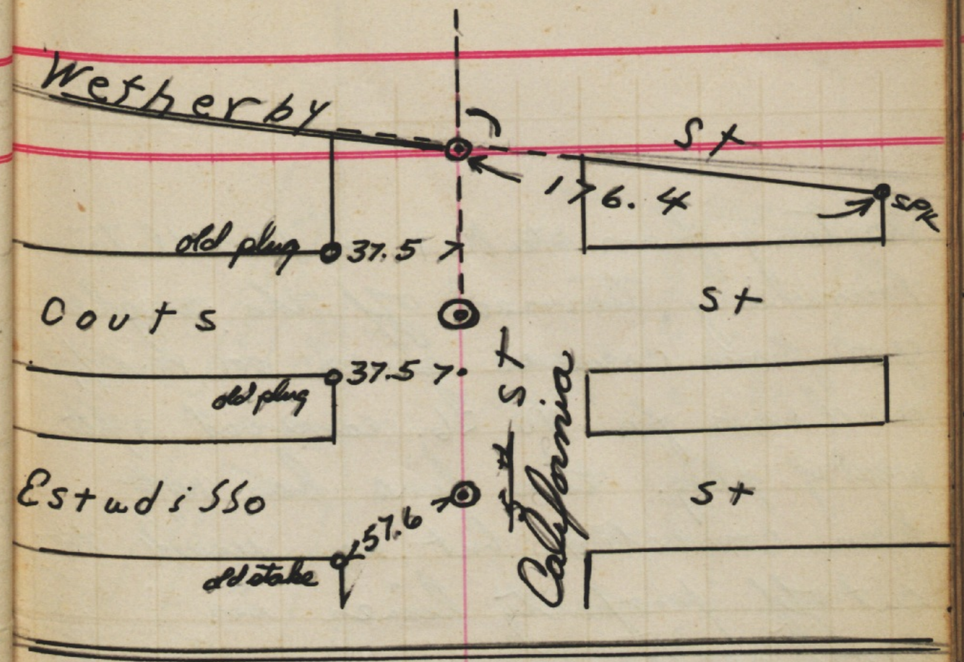


East and West line Base

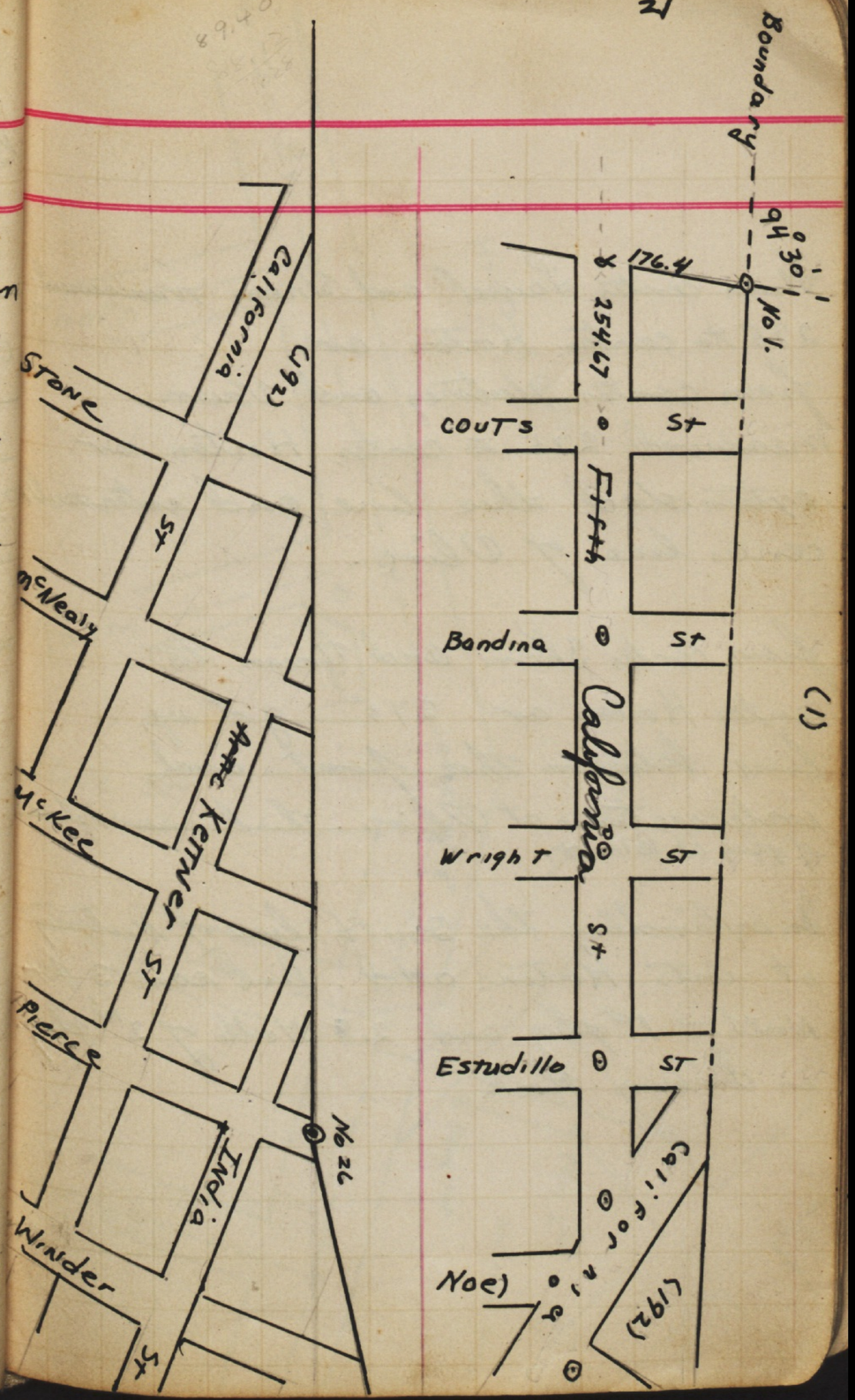


Notes


Welherby
ST
38.0
fence
SPK.
Wright
ST
ST
38.0
new plug
2nd
Noes
ST
38.5
fence
HANCOCK
Welherby
97° 21½'
ST
Fence
37.7
Couts
ST
old plug
Fence
41.3
ST
Estudisso
ST
4th


Wetherby
St
16.4
spk
old plug
37.5
Oouts
St
37.5
old plug
St
Estudisso
St
57.6
old stake
California

Starting from sta No. 1 on Middletown boundary, turned off the angle got from corners given on map and ran for No 26. came out 3 ft west of plug this line has not been corrected but was used to cut off property lines in Cross sectioning

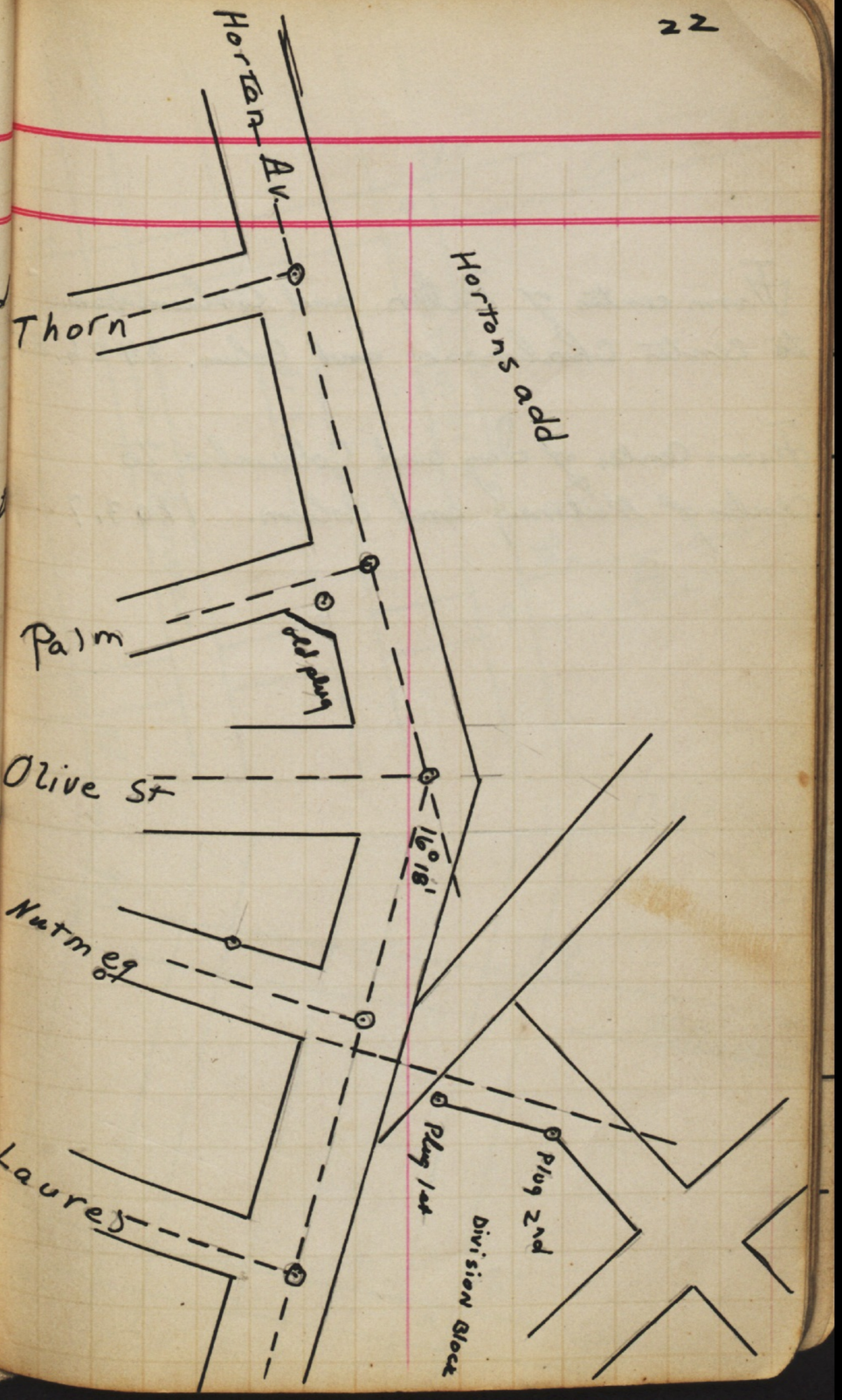


(1)

From center Laurel and Union measured 275 to center Horton ave
from center Nutmeg and Union measured 275 to center Horton av extended this line and intersect center line of Olive.

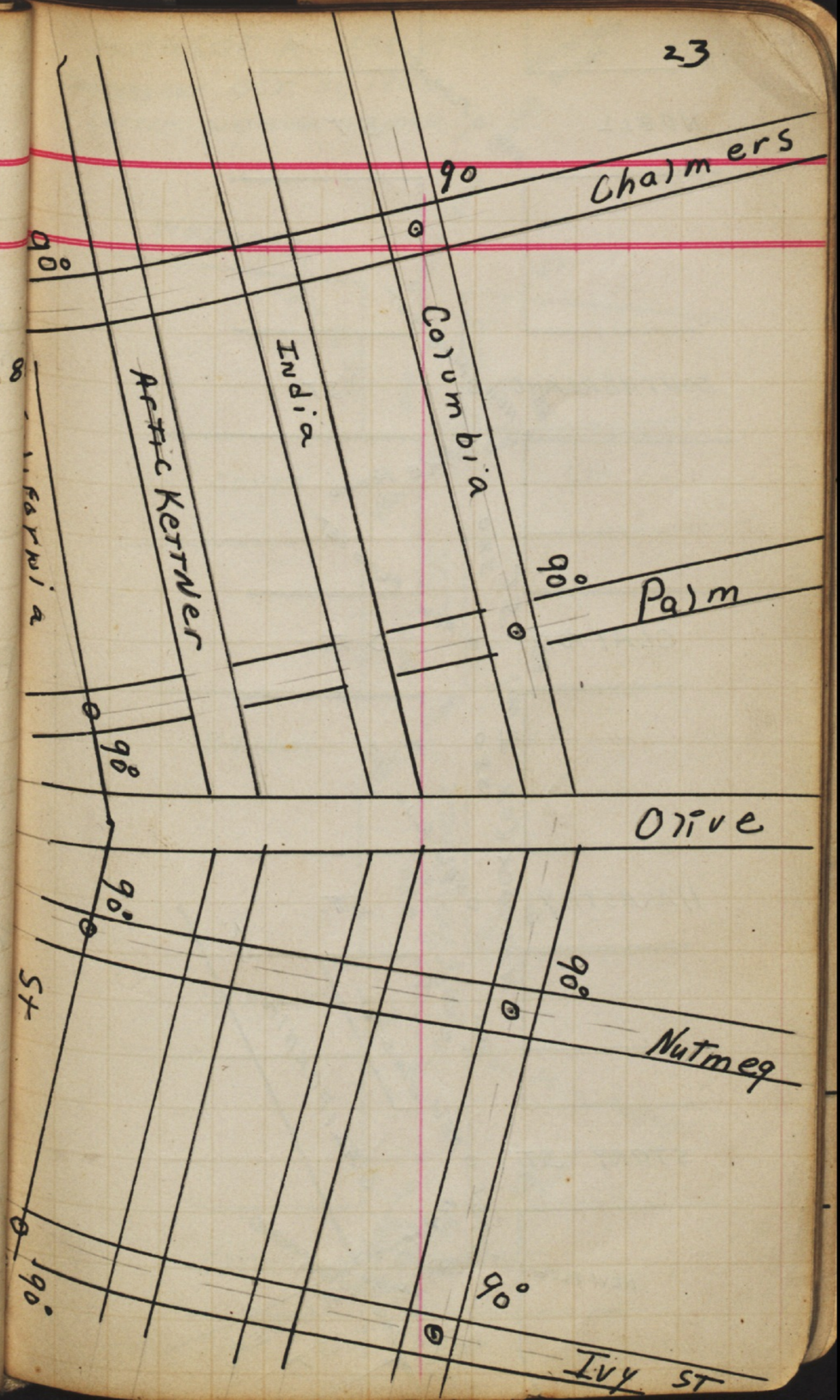
from center Thorn and Union to center Horton av 275. got up line between this point and intersections at Olive. This line runs 1ft w of plug at Palm st.

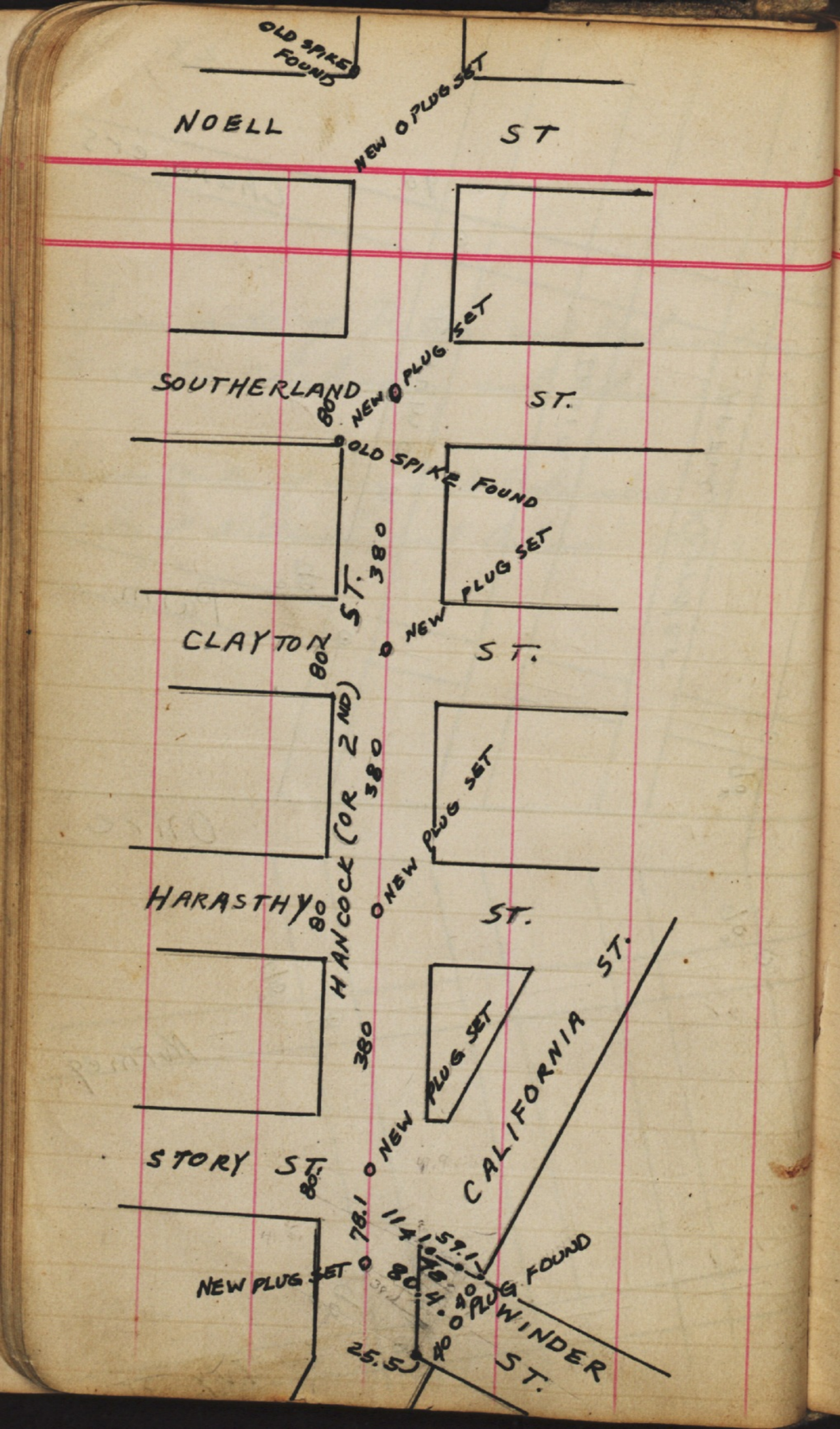
In extending the South line of Nutmeg st into Hortons add. line ran 3 ft North of 1st plug and 2.8 North of 2nd plug in division block.



From center of Palm and Columbia to center Chalmers and Colum. 3426.8

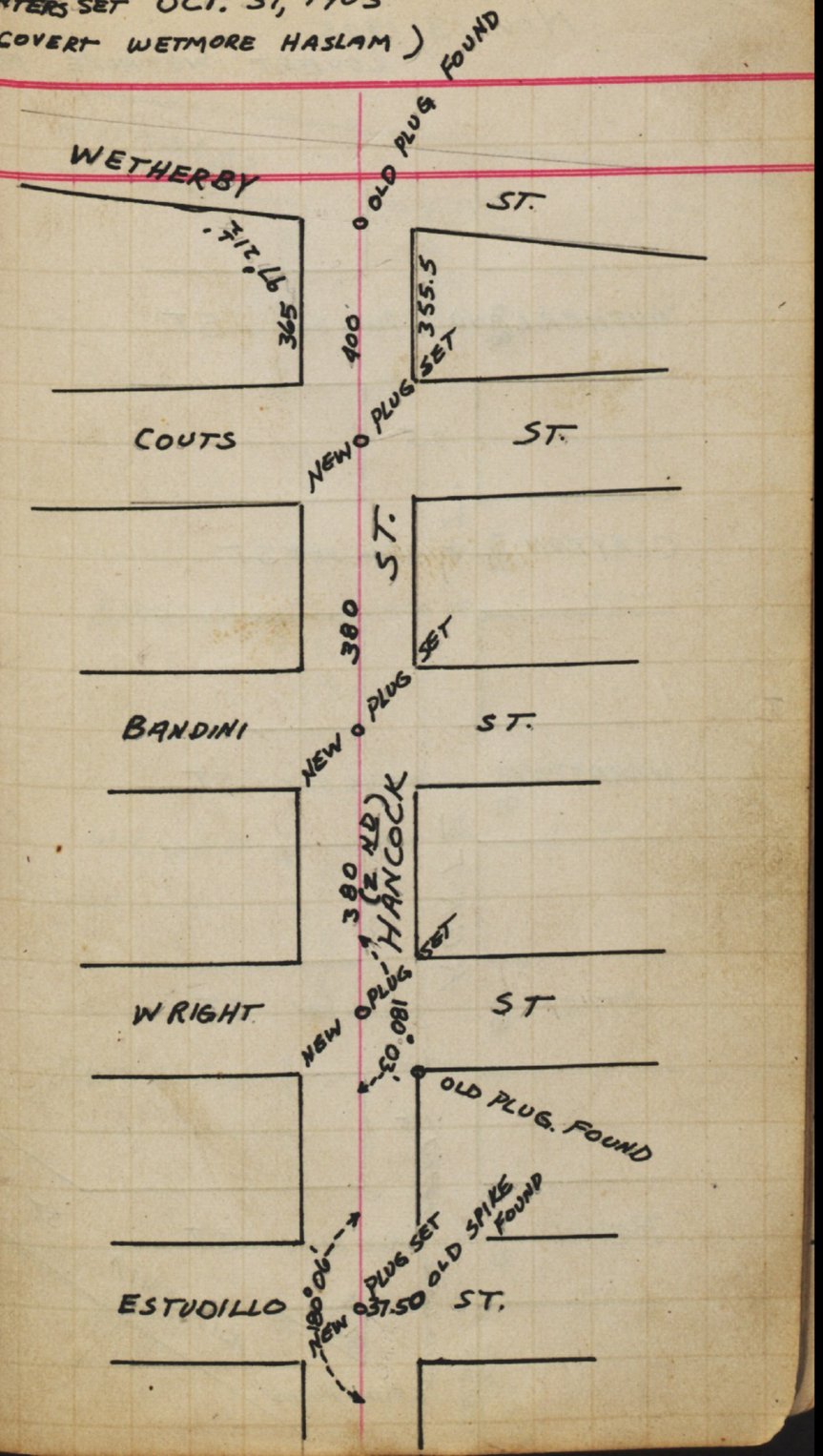
From center of Ivy and Columbia to center of Nutmeg and Colum. 1903.7



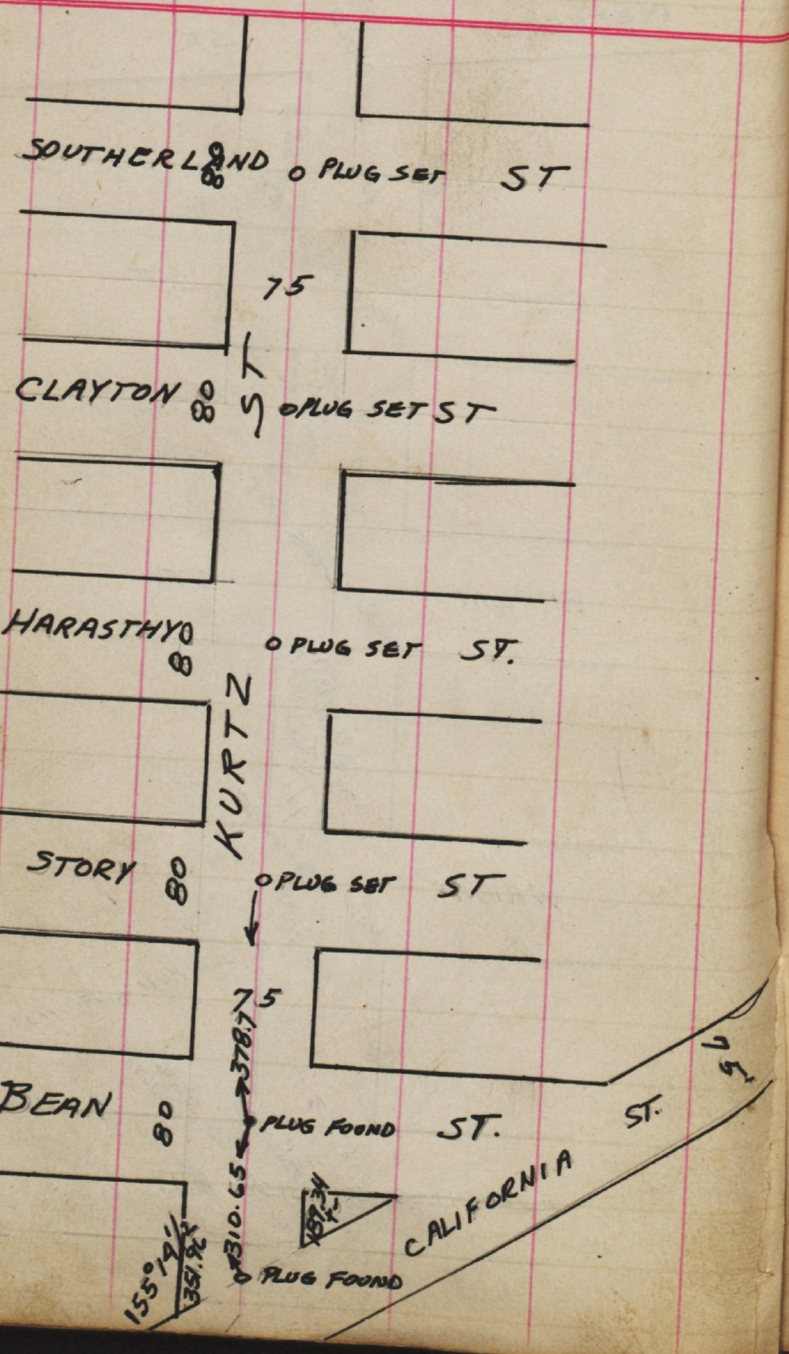


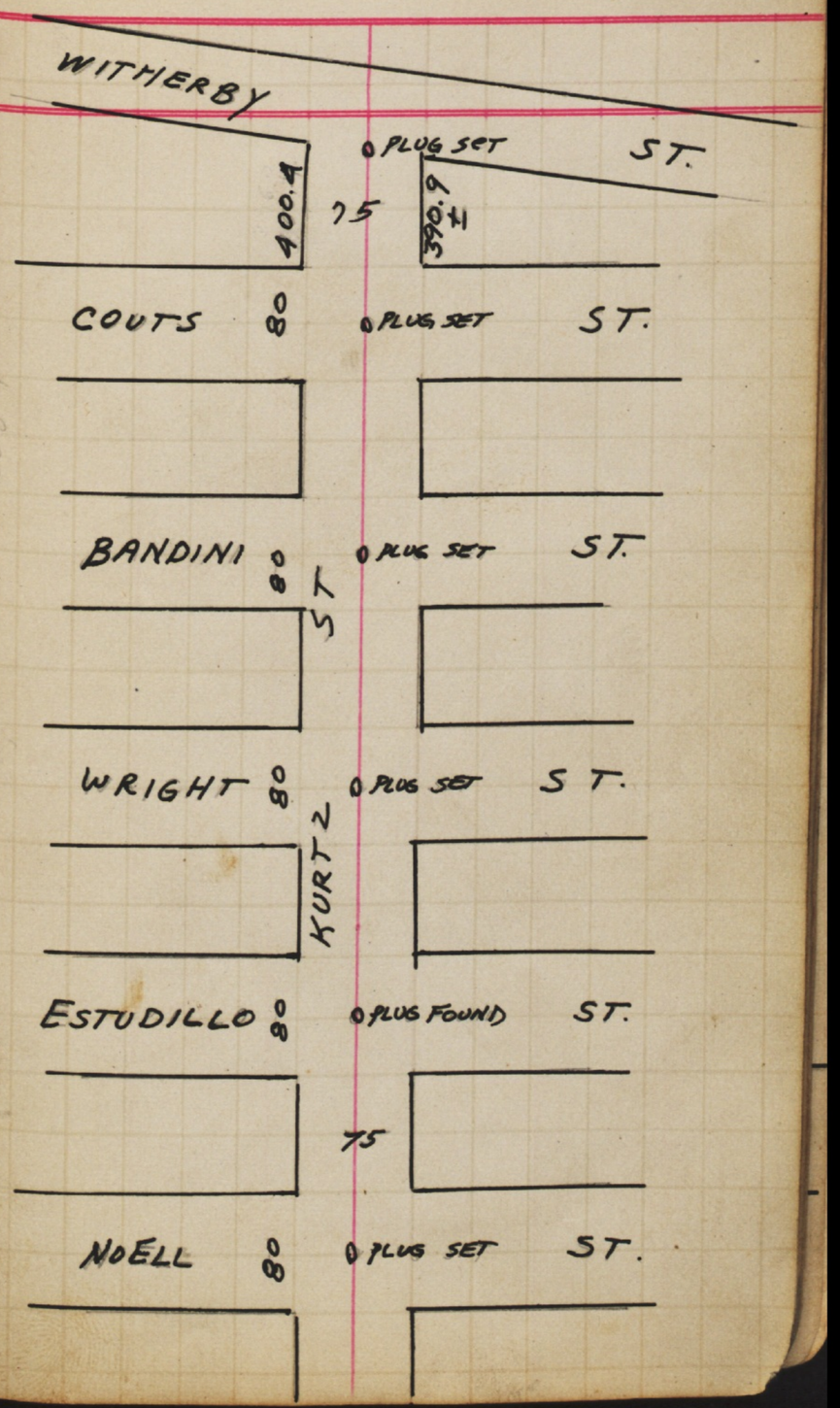
HANCOCK (OR 2ND) ST

CENTERS SET OCT. 31, 1905
(COVERT WETMORE HASLAM)



KURTZ ST. (1st)
NOV. 13, 1905
COVERT WETMORE MOO





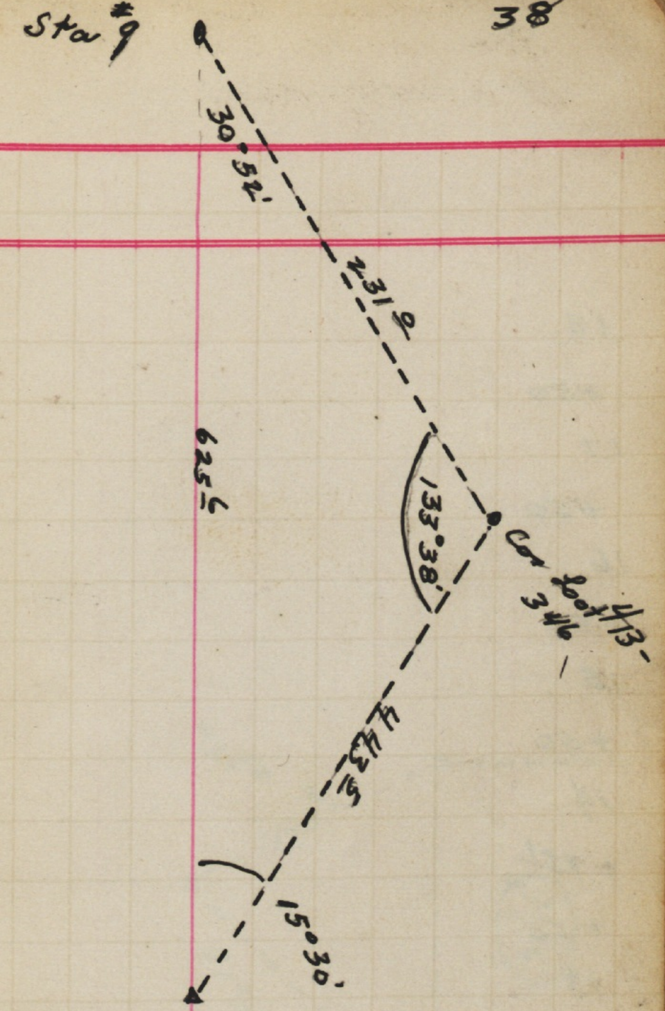
J M Shaw asst
G E O Herrold Tran.
S. C Holtz Chain

M. C. Mowry Chain
J. J Tucker asst

8
+50
7 +06 P.I. of old line
+50
6
+80 Edge of Bank S. W. + P. B. B R
+50
5
+50
4
+50
3
+74 4 △
+50
2
+50
1
+50
0 S 31°15'E Mag.

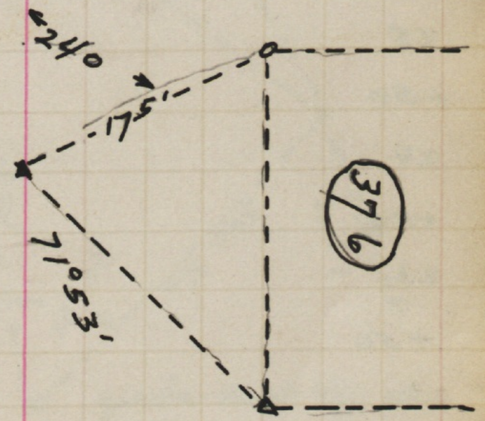
June 9th 1888.
Survey for A. J. Gasson
S. W. + P B. R. R.

Preliminary

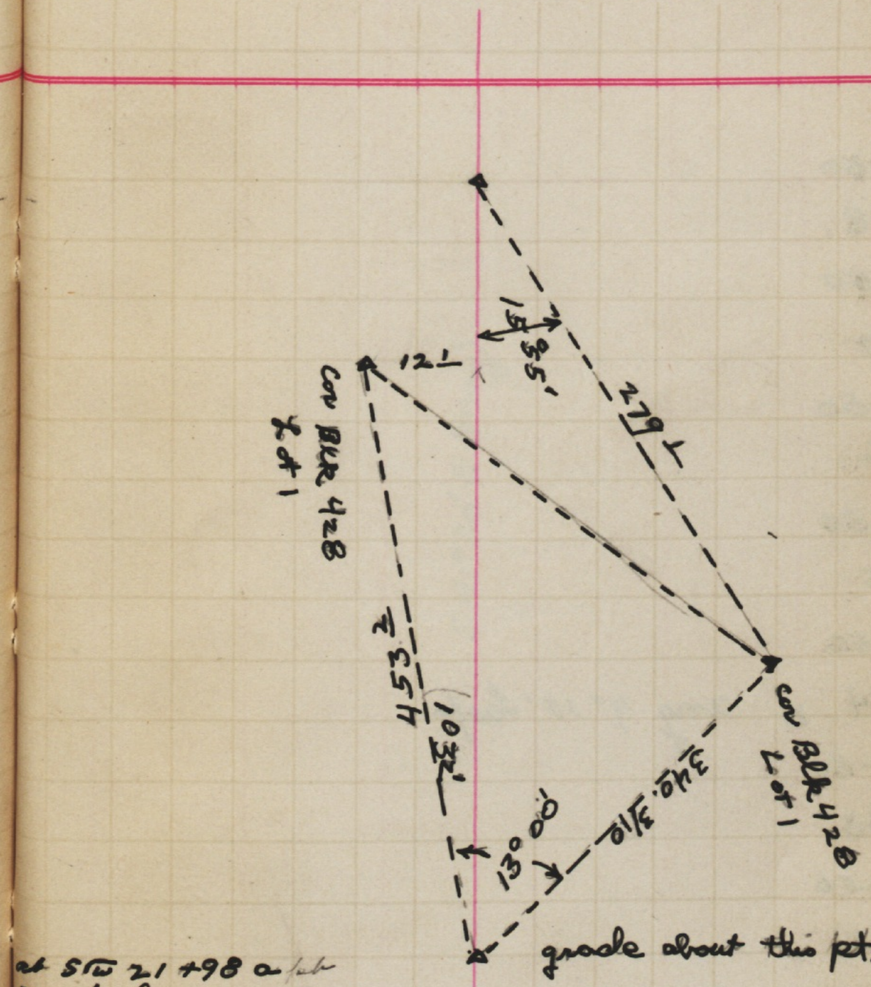


o South Bulkhead of
Bridge at San Diego Riv

18
+50
17
+50
16
+50
15
+50
14
+75
+50
13
+50
12
+50
11
+50
10
+50
9
+50



28 ▲
+50
29
+50
+50 +53
+50
26
+50
25
+50
24
+50
23
+50
22 ▲
+50
21
+50
+43.4
20
+50
19
+50



at Sta 21 +98 a hub
marked 24+74 ▲

1E ▲ Cor Lot, Blk 32

+50
38
+50
37
+50
36
+50
35
+50
34 ▷ ang 9° 15' Left
+50
33
+50
32
+50
31
+50
30
+50
29
+50

S 41° 30' E (mag)

J 1036
+50
35
+50
34
+50
33
+50
1032

J 1031+58
= +66.2 ▲ Ang 0° 22' Right
43
+50
42
+50
+07.8 ▲ Ang 5° 07' Left
41
+50
40
+50
39

= S Fw 1031+58
J Line

S 45° 37' E (mag.) ▲ Station marked at Centers

+50

1045

+77 b Ang 29°35' Left

+50

1044

+50

1043

+50

1042

+50

1041

+50

1040

+50

1039

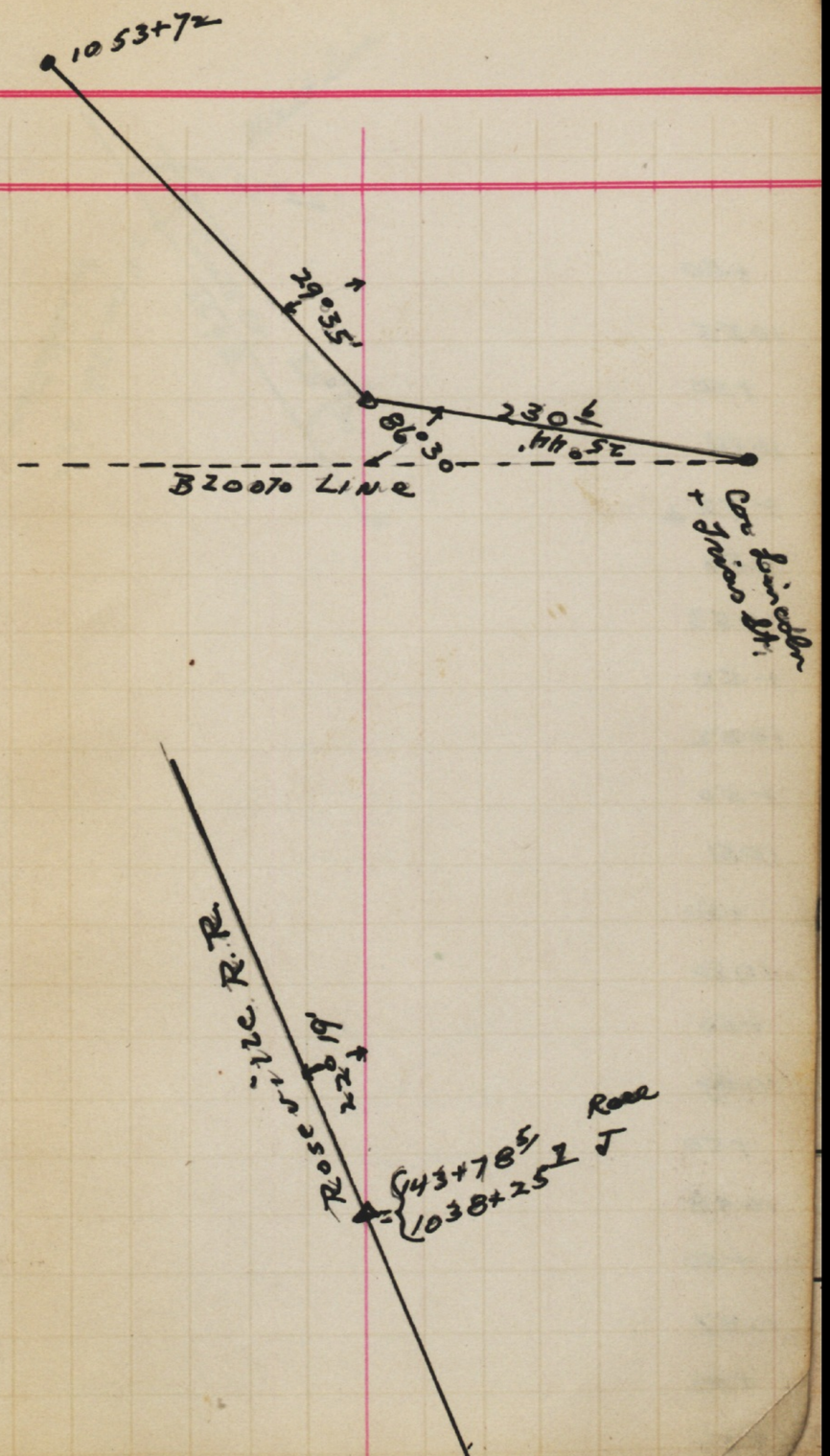
143+78.5 Roswell line
J+25.7

1038

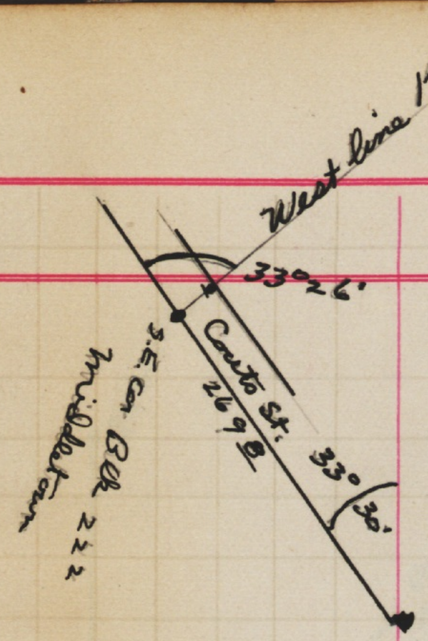
+50

1037

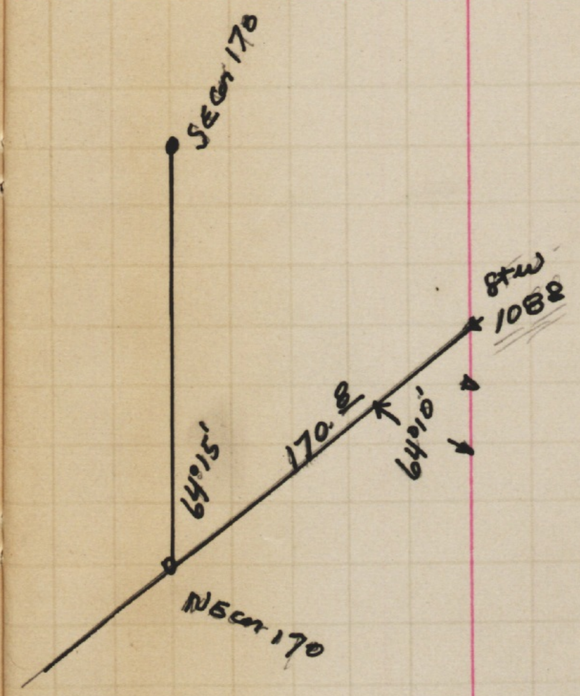
+50



+50
1055
+50
1054
+72
+50
1053
+50
1052
+50
1051
+50
1050
+50
1049
+50
1048
+50
1047
+50
1046



1088 ▲
1073+50
+50 ▲
1063
+50
1062
+50
1061
+50
1060
+50
1059
+50
1058
+60
1057
+50
1056



Sta	+	H I	−	Elev	
0				50.00	
	0.35	50.35			
T.P.			11.75	38.60	
	2.30	40.95			
			11.65	29.30	
				27.30	C.L. Track

assumed on the L.D. & P.B. Chalmers St.

746
2.70
1016
100
4) 1116
279

917
2.16751
166
83
2.16751
2.16834-0
37.5-0
1084170-0
1517838
650502
81312750-0

310.65
81.31
229.34
40
187.34

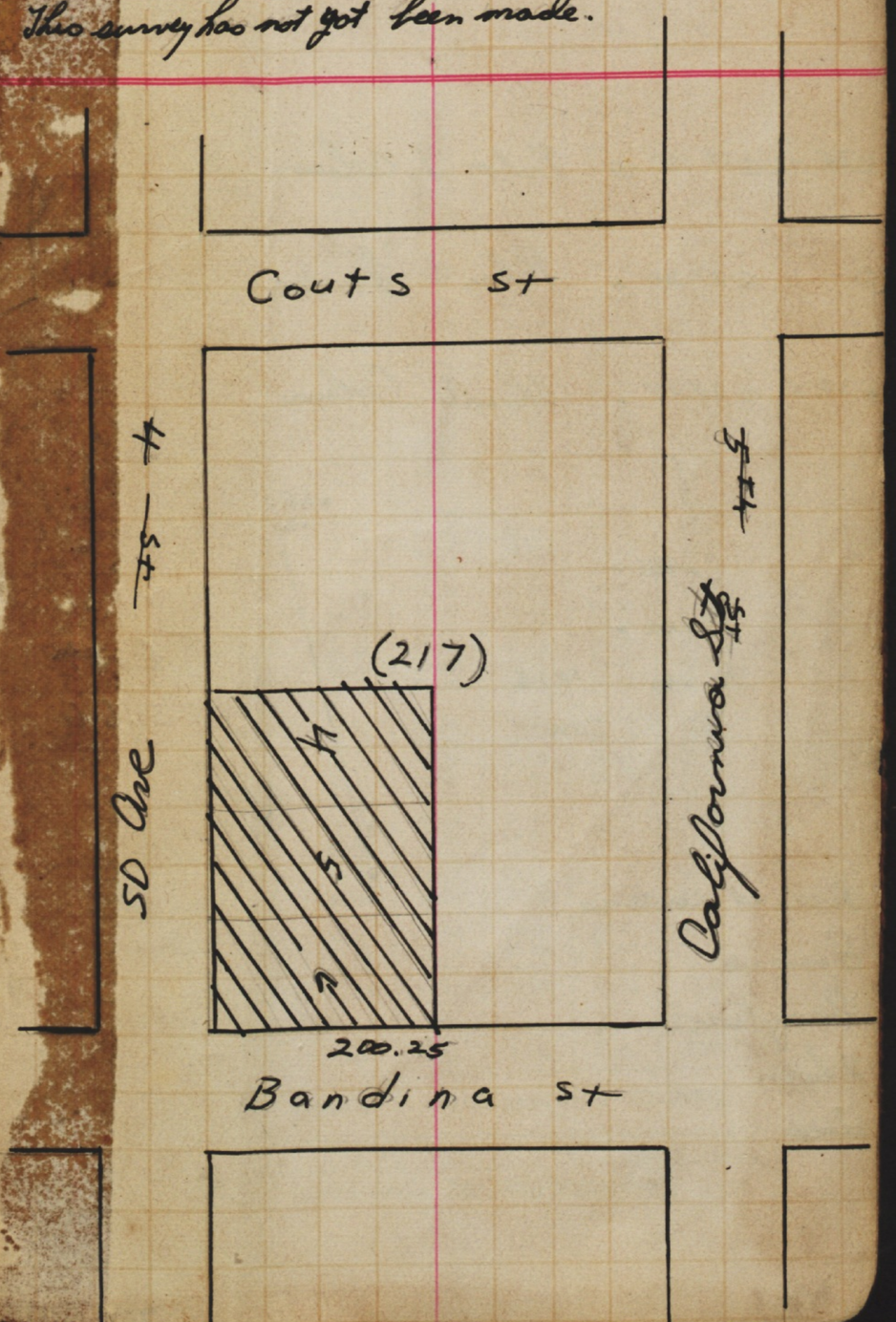
310.65
81.31
391.96
40
351.96

2.35
22.60
24.95

25.00
37.50
1.60
35.90

Survey of lots 4 5 and 6, blk 217
Middletown for Titus June 16, 1888

This survey has not yet been made.



391.27 178.62 436.3

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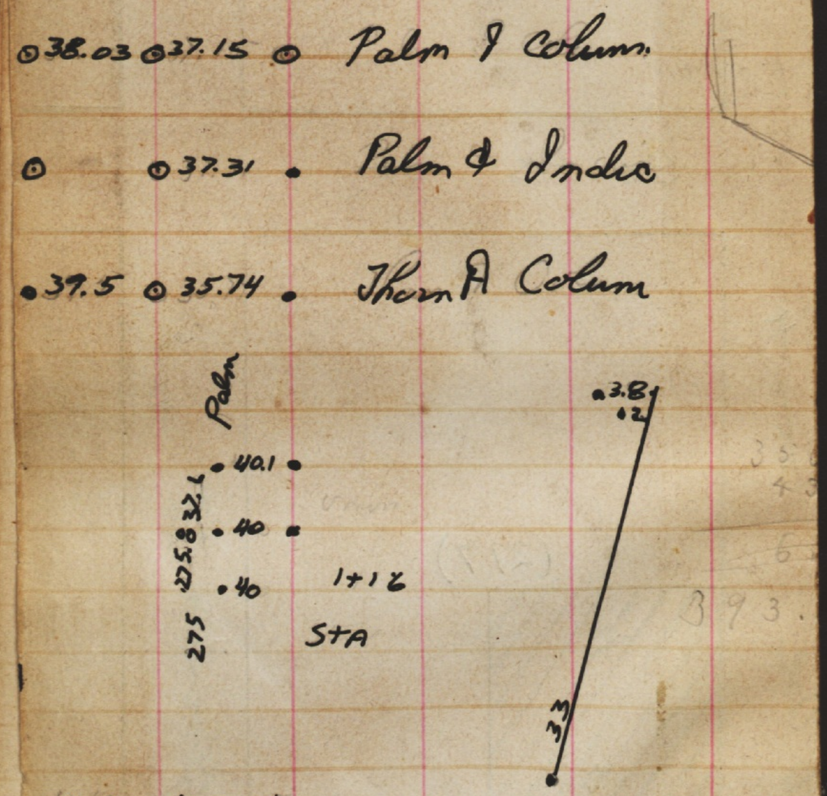
Return to City Engineers Office
City Hall, San Diego, Cal.



Artic at centers
Quince
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to City Engineers Office
Hall, San Diego, Cal.

ABLE FOR TRANSIT BOOK,
to 90° for a distance of 100.

DEGREE.		½ DEGREE.		¼ DEGREE.		Degrees
t.	Dep.	Lat.	Dep.	Lat.	Dep.	
00	0.44	100.00	0.87	99.99	1.31	89
98	2.18	99.97	2.62	99.95	3.05	88
92	3.93	99.91	4.36	99.88	4.80	87
84	5.67	99.81	6.10	99.79	6.54	86
73	7.41	99.69	7.85	99.66	8.28	85
58	9.15	99.54	9.58	99.50	10.02	84
41	10.89	99.36	11.32	99.31	11.75	83
20	12.62	99.14	13.05	99.09	13.49	82
97	14.35	98.90	14.78	98.84	15.21	81
70	16.07	98.63	16.50	98.56	16.93	80
40	17.79	98.33	18.22	98.25	18.65	79
08	19.51	97.99	19 94	97.90	20.36	78
72	21.22	97.63	21.64	97.53	22.07	77
34	22.92	97.24	23.34	97.13	23.77	76
92	24.62	96.81	25.04	96.70	25.46	75
48	26.30	96.36	26.72	96.25	27.14	74
00	27.98	95 88	28.40	95.76	28.82	73
50	29.65	95.37	30.07	95.24	30.49	72
97	31.32	94.83	31.73	94.69	32.14	71
41	32.97	94.26	33.38	94.12	33.79	70
82	34.61	93.67	35.02	93.51	35.43	69
20	36.24	93.04	36.65	92.88	37.06	68
55	37.86	92.39	38.27	92.22	38.67	67
88	39.47	91.71	39.87	91.53	40.27	66
18	41.07	91.00	41.47	90.84	41.87	65
45	42.66	90 26	43.05	90.07	43 44	64
69	44.23	89.49	44.62	89.30	45.01	63
90	45.79	88.70	46.17	88.50	46.56	62
09	47.33	87.88	47.72	87.67	48.10	61
25	48.86	87.04	49 24	86.82	49.62	60
38	50.38	86.16	50.75	85.94	51.13	59
49	51.88	85.26	52.25	85.04	52.62	58
57	53.36	84.34	53.73	84.10	54.10	57
63	54.83	83.39	55.19	83.15	55.56	56
66	56.28	82.41	56.64	82.16	57.00	55
66	57.71	81.41	58.07	81.16	58.42	54
64	59.13	80.39	59.48	80.13	59.83	53
60	60.53	79.34	60.88	79.07	61.22	52
53	61.91	78.26	62.25	77.99	62.59	51
44	63.27	77.16	63.61	76.88	63.94	50
32	64.61	76.04	64.94	75.76	65.28	49
18	65.93	74.90	66.26	74.61	66.59	48
02	67.24	73.73	67.56	73.43	67 88	47
84	68.52	72.54	68.84	72.24	69.15	46
63	69.78	71.33	70.09	71.02	70.40	45
o.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
DEGREE.		½ DEGREE.		¼ DEGREE.		

Denny & Co., Stationers, Drawing Materials,
l Instruments, Etc., San Francisco.