

TIE POINT
Book 1

T.P. 1

OLD TOWN

TIE POINTS

See Feb. 1895

380

FIELD

F.P. BOOK #1

OLD TOWN

LOCATION

TYPE

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2. HANCOCK: Hortensia to Greenwood 4-5
3. MOORE: Hortensia to Greenwood 6-8
4. JEFFERSON: Hortensia to Greenwood 9-11
5. CONGRESS: Witherby to Greenwood 12-13
6. S.D. AVE: Witherby to Greenwood 14-16
7. CALHOUN: Rile

Colusa: Yuma to Ruby
Eureka: Yuma to Ruby
Goshen: Yuma to Ruby

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CONGRESS: OLD TOWN to Hortensia
Hortensia: S.D. AVE to Congress
25. Pacific Hwy: Grape to Laurel Levels 75-77

F.P. BOOK #1 OLD TOWN
LOCATION TYPE PAGES

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Mildred: Azusa to Goshen
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Benecia: Gaines to Ruby

17.5
5.5

23.0

3 6170

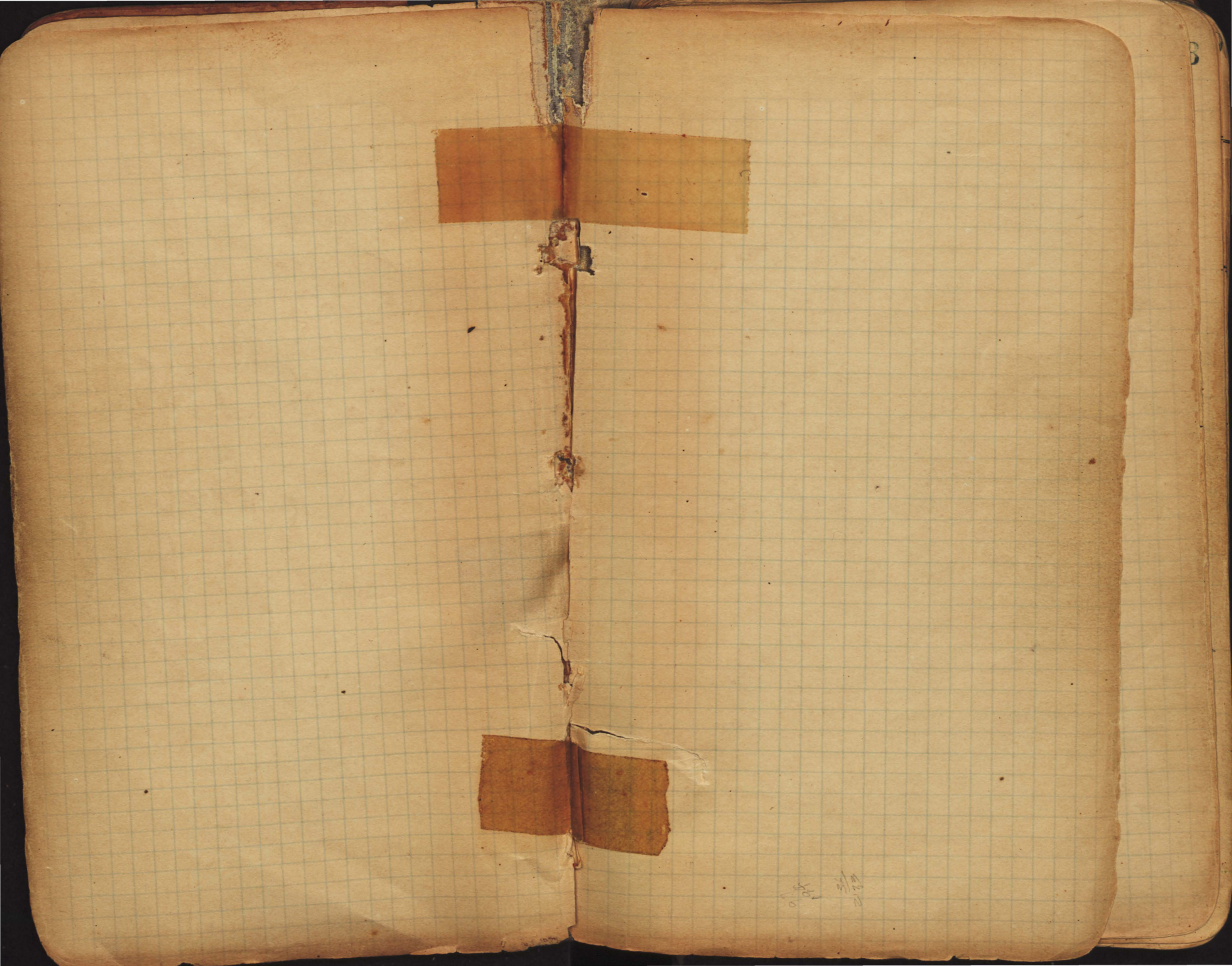
30125

6145

6160

25

3660



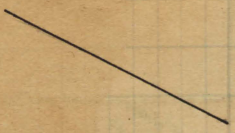
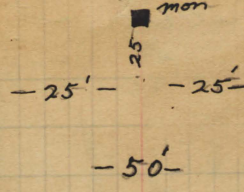
of
3/3
= 3/3



Kurtz St

OLD TOWN

OLD TOWN AVE



80'

7'

7'

mon
Found 1-7-31
Chas. Walker

mon

119.03

(65)

KURTZ ST

MORTENSIA

50'

300.47

75'

7'

25'

mon

15.68

75.62

25.62

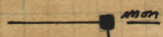
349.42

mon to mon

Willerby St

80.72

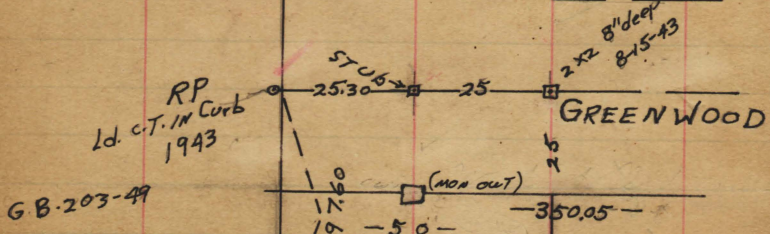
80'



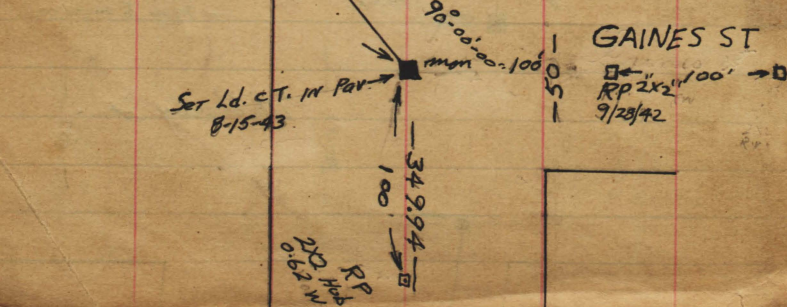
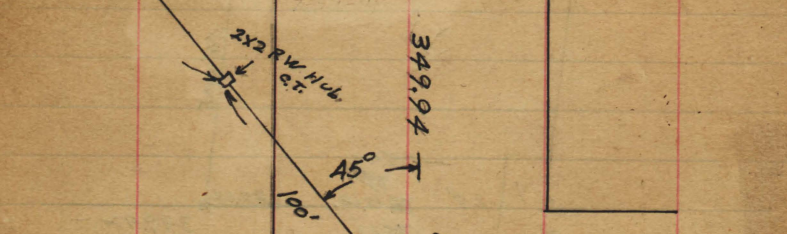
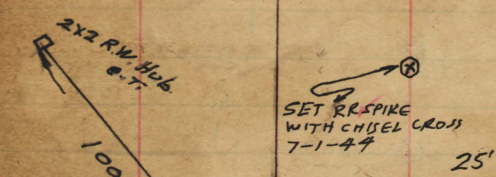
mon

75'

Kwartz St

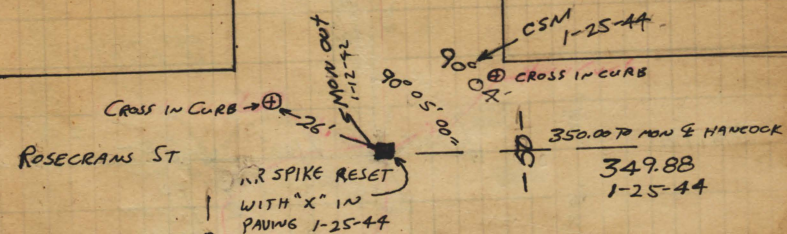


Destroyed by sewer work
 2" Pipe set by H.P. Engrs. 15 075 Too far SW.
 (SEE FB. 1634)

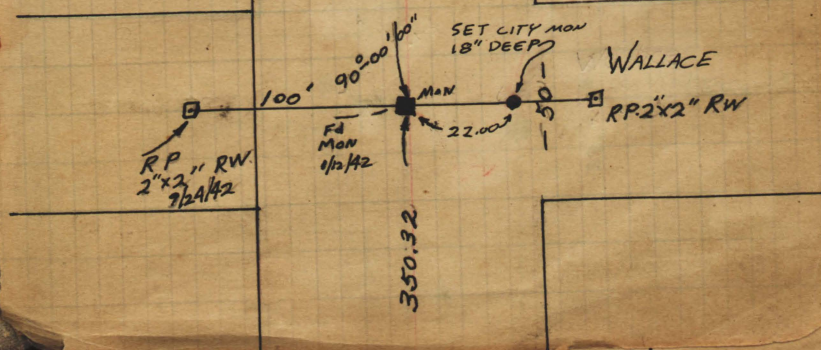
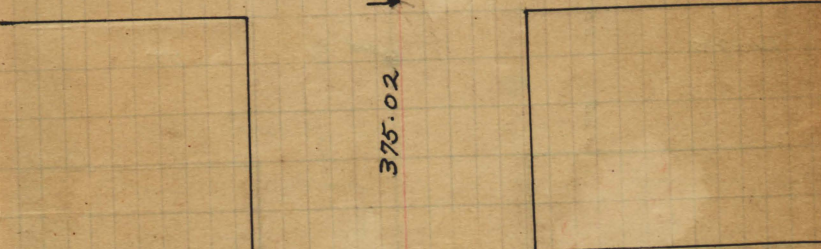
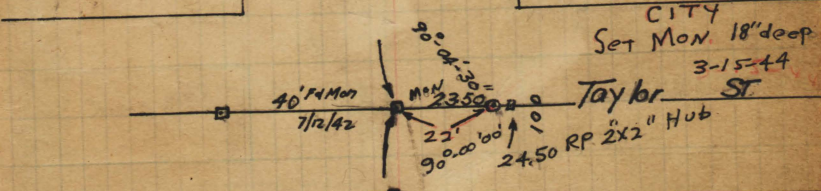


Kwartz St

E CT. AT GAINES C.S.M.

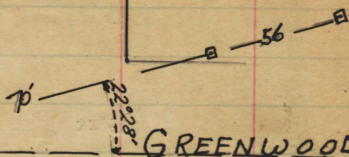


See FB 1422 P.30
 Walkers Survey of Atlantic St



HANCOCK ST.

-50-



REPLACED I.C.T.
7-21-44

GREENWOOD

ROSECRANS

West Leg of Old Town

-350.05- 25 -350.05-

FWD DESTROYED BY
HOUSING PROJECT
1-25-44

ST

MON 4' DEEP

ST

I.C.T.
7-21-44

25

25

HANCOCK ST

RILEY

TAYLOR

ST.

MON

-100-

25

25

25

25

GAINES

50

32'

25

25

16" DEEP
HMB 8-15-43

18'

HUB
OUT

-50-

ST.

HANCOCK ST.

-50-



RESET 2"x2"
12" DEEP
1-25-44
CSM

-50-

ST.

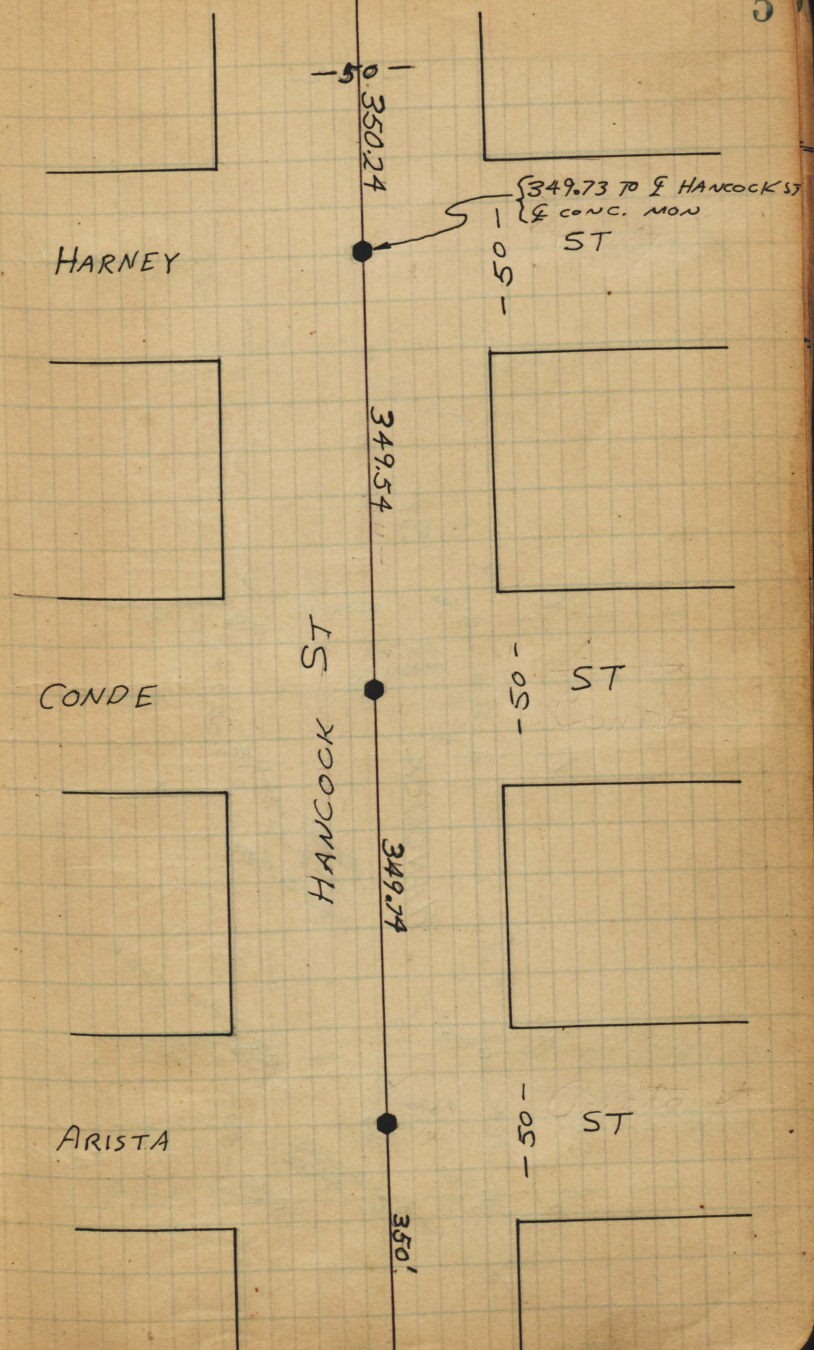
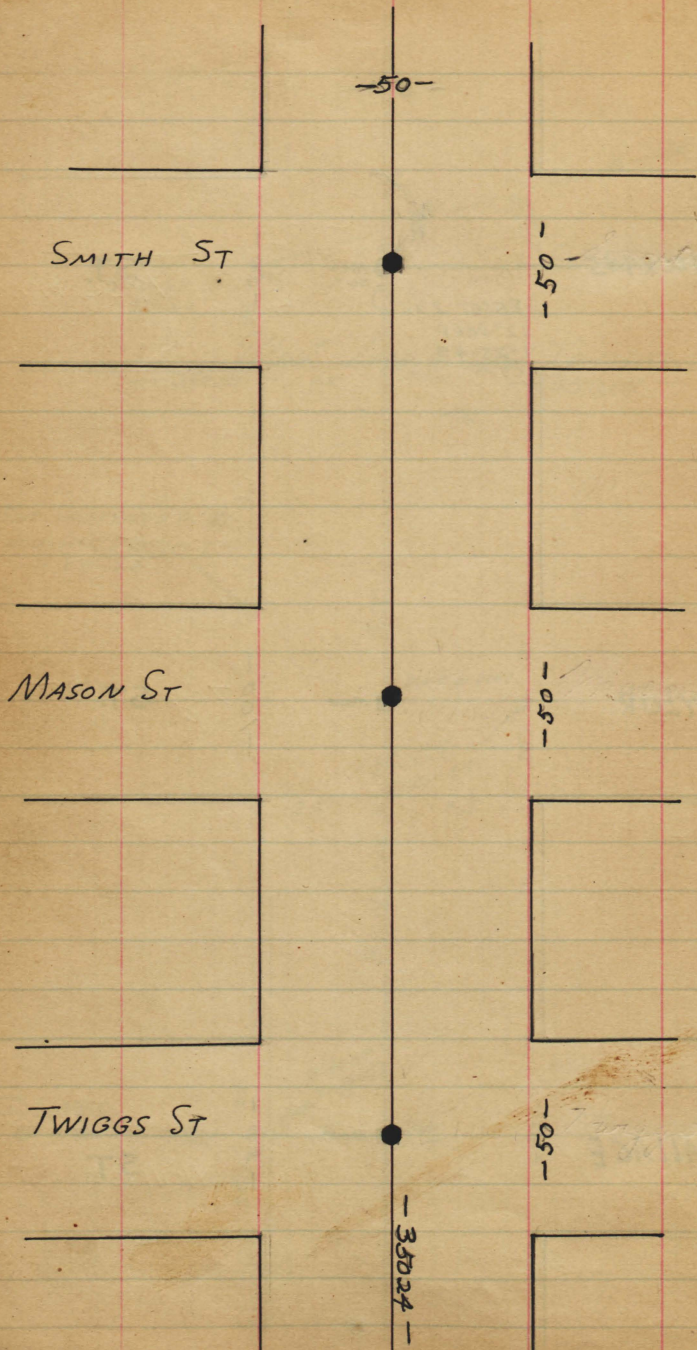
ST.

-50-

ST.

MON

WALLACE



HANCOCK ST.

-50'-

AMPUDIA

ST.

ST

7'

Hub

32.00

Hub

7'

OLD TOWN

7'

Hub

36.00

HANCOCK

Hub

36.00

7'

AVE

RESET
12-9-61
IN P.C. PAVE

FND 12-8-61

7'

Hub

36.00

4" on
M.H.

Hub

36.00

SET R-
SPIKE

Hub

36.00

7'

FND 12-8-61

HORTENSIA

7'

Hub

36.00

7'

MON
FND 12-1-61

349.42

349.42

MOORE ST

6

GREENWOOD

ST

W. SIDE OF

OLD TOWN

-350.05-

349.98-

MON
OUT 4-26-44

1 D. & C.T.
IN PAV.
4-26-44

ST

RILEY

MON
RESET
8-17-43
12" DEEP

ST

MOORE

2 x 2 12" DEEP
8-17-43

SET 3/4" PIPE & DISK

11-27-50

-50-

ST

GAINES

KURTZ ST

MOORE ST

-50-

ROSECRANS

MON

-50-

TAYLOR

MON

-100-

-375.00-

WALLACE

MON

-50-

350.19

MOORE ST

SMITH

MON

-50-

ST.

MASON

ST.

this Man found
4-23-28 WALKER

WIGGS ST.

-50-

JEFFERSON ST

-50-

GREENWOOD

Ld. C.T. IN PAY.

W. LINE OF FENCE
349.98

OF 22.7

OLD TOWN

-349.98-

Fence Post
x
x
x
x
x

7'
7'

RILEY

Hub Reset
12" deep
7-17-43

7'
7'

25

25

Hub
2 1/2" deep
8-17-43

7'
7'

7'

GAINES

-50-

Hub

JEFFERSON ST.

9

-50-

SCOTT

← 25'

MON
FWD
11-24-44
C.R.W.

-50-

ST.

Ld. & disk
1-7-46

TAYLOR

-100-

ST.

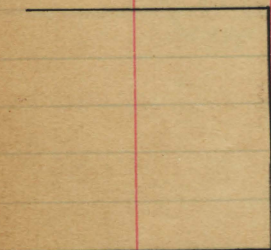
WALLACE

ST.

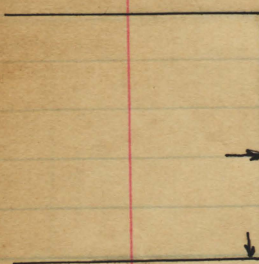
3'
set at L.P.
in walk-11-24-44
C.R.W.

-50-

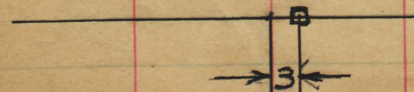
SMITH



MASON



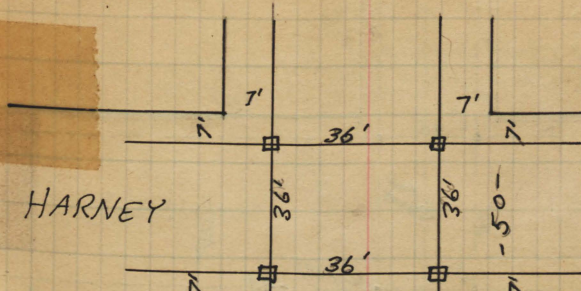
TWIGGS



-50-

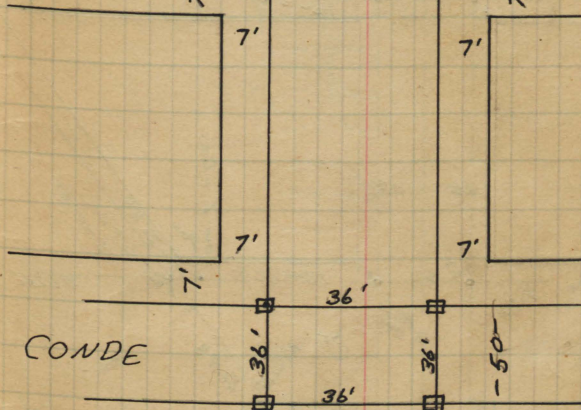
-50-

HARNEY



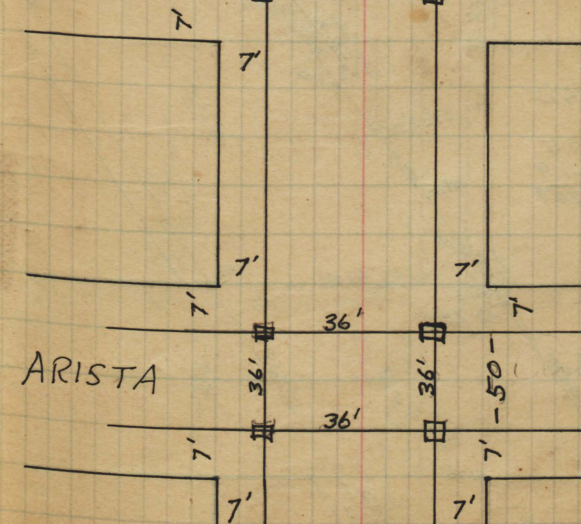
ST

CONDE



ST

ARISTA



S.T

CONGRESS ST.

2x2 HUB W/C.T.

130.02

= Leads tack in curb. OF road to Govt. Houses

50

JEFFERSON ST.

GREENWOOD ST

ST

AMPUDIA

-50- ST.

349.98

W. LINE OF OLD TOWN

349.64

SET 1st. C.T. IN PAV. 8-17-43 C.S.M.

-50-

25' x 25'

FMD 12-5-61

L + DUC

SET. SET. PK 12-6-61

ST. 6-20-61

AVE

50'

RILEY ST

OLD TOWN AVE

Note

SEE LOOSE LEAF OF THIS AREA. WOH 20575 12-5-61 - E-19 212-1707

SET SPIKE IN PAV. 1-31-44 C.S.M.

3x3" Sleep 8-17-43

SET SPIKE IN PAV. 1-31-44 C.S.M.

GAINES ST

ST

HORTON ST

SET SPIKE IN PAV. 9-5-46 C.S.M.

SAN DIEGO

-50-

7 HUB

302.57

2722'300'

329.36

2721.28

13' 11.40'

4 HUB

2721.28

13' 11.40'

4 HUB

5178

788

5178

5178

5178

5178

5178

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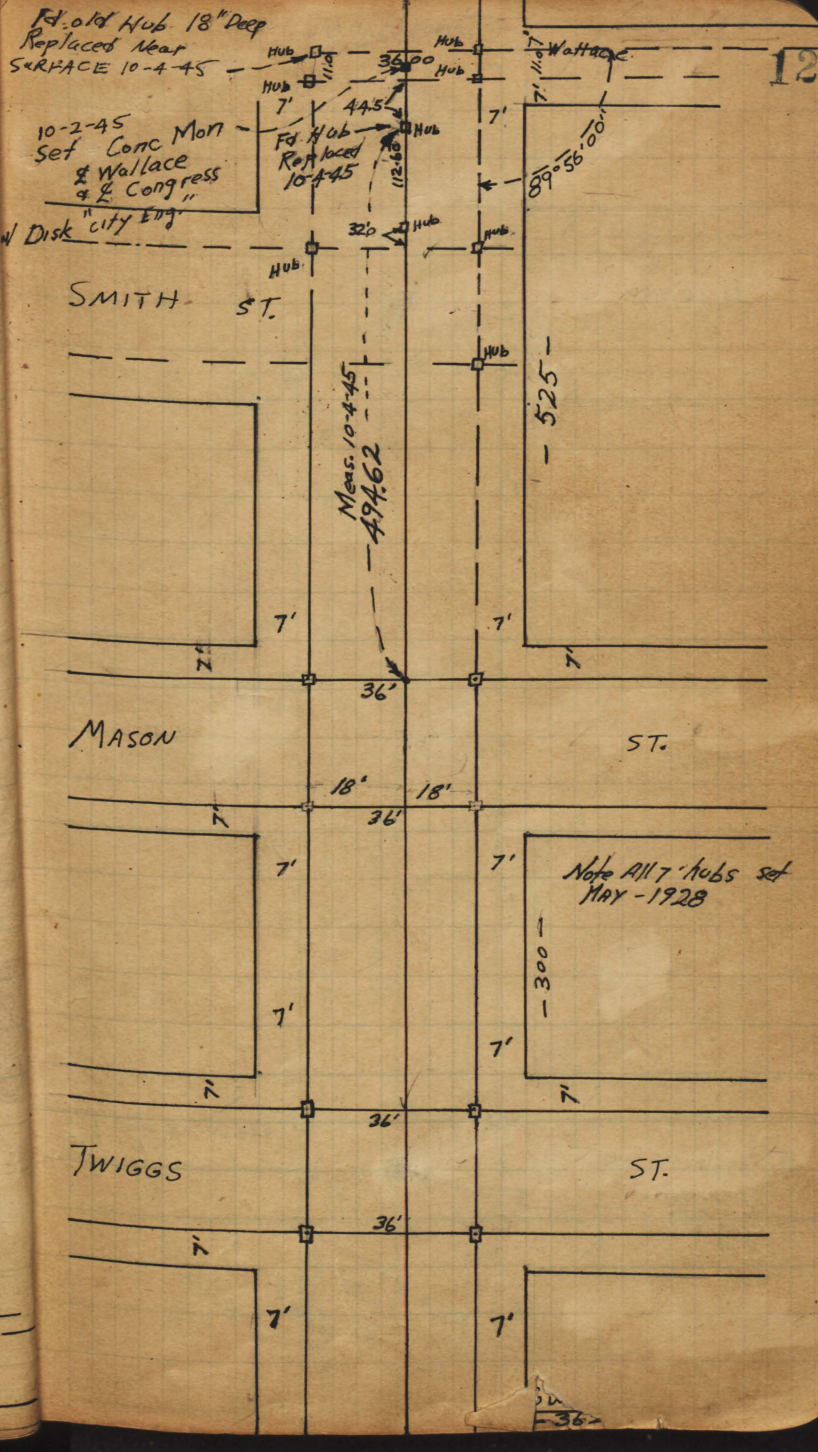
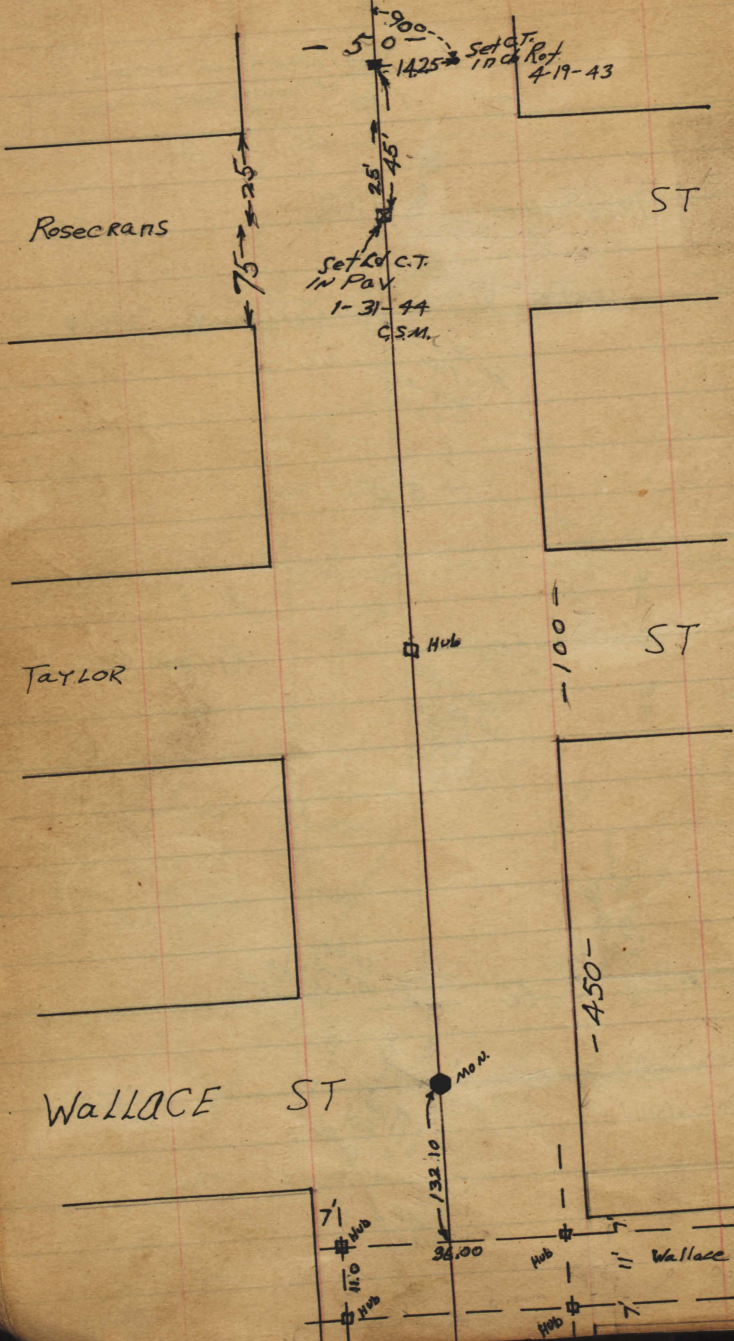
5178

5178

5178

5178

- Congress st -



CONGRESS ST.

Note: 7' hubs
Put in
5-28

HARNEY

ST.

CONDE

ST.

ARISTA

4 crosses on
MH RIM
12-4-61
C.A.

PK + CITY
DISK INST.
12-4-61

333.40 to E
Ampudia

89°56'00"

SEE LOOSE CONGRESS ST.

Leaf E19(212-1787)

WO# 20575

12-5-61

• SET P.K. NEIL

12-4-61

C. ALLEN

13

AMPUDIA

61.02

ST. L.P. 184471

344.58 to Z

38.50

HUB

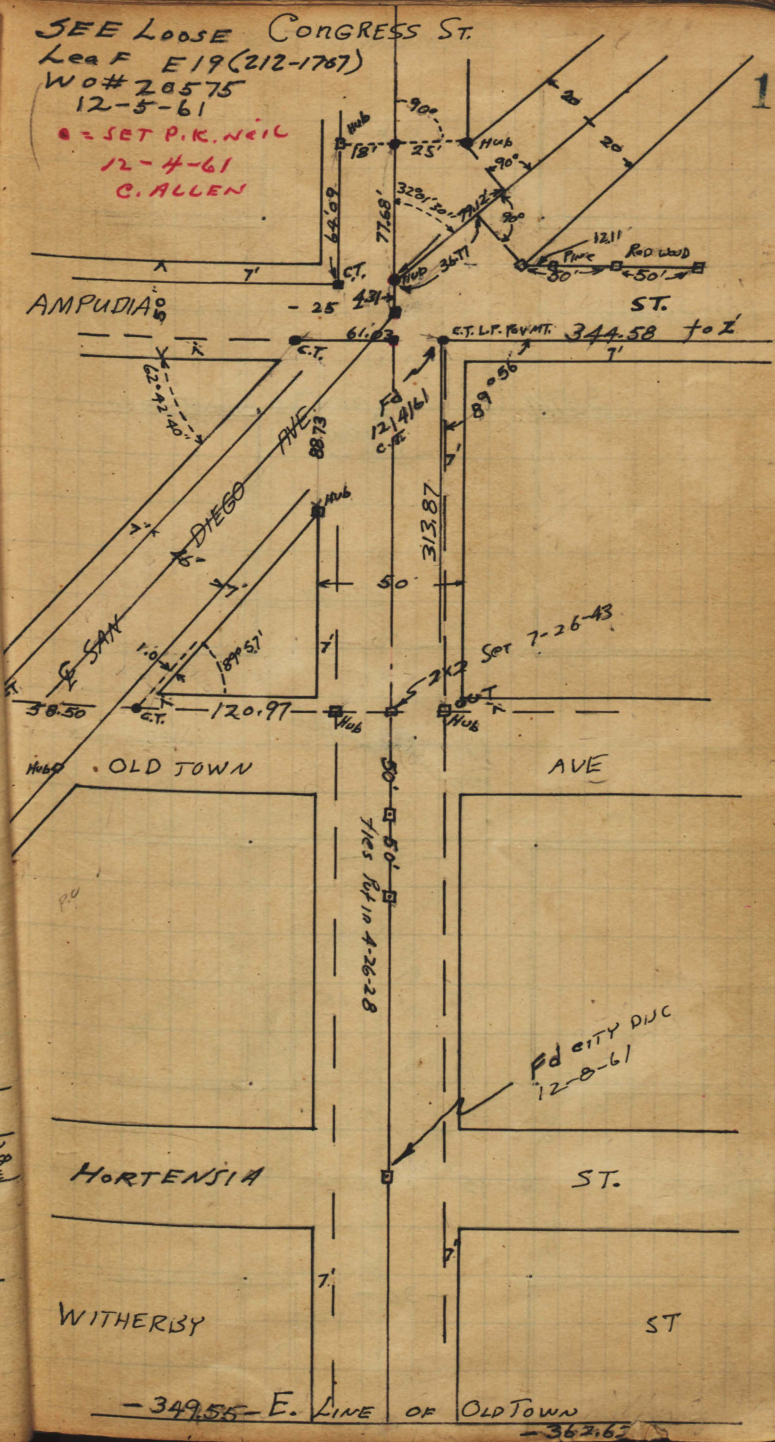
OLD TOWN

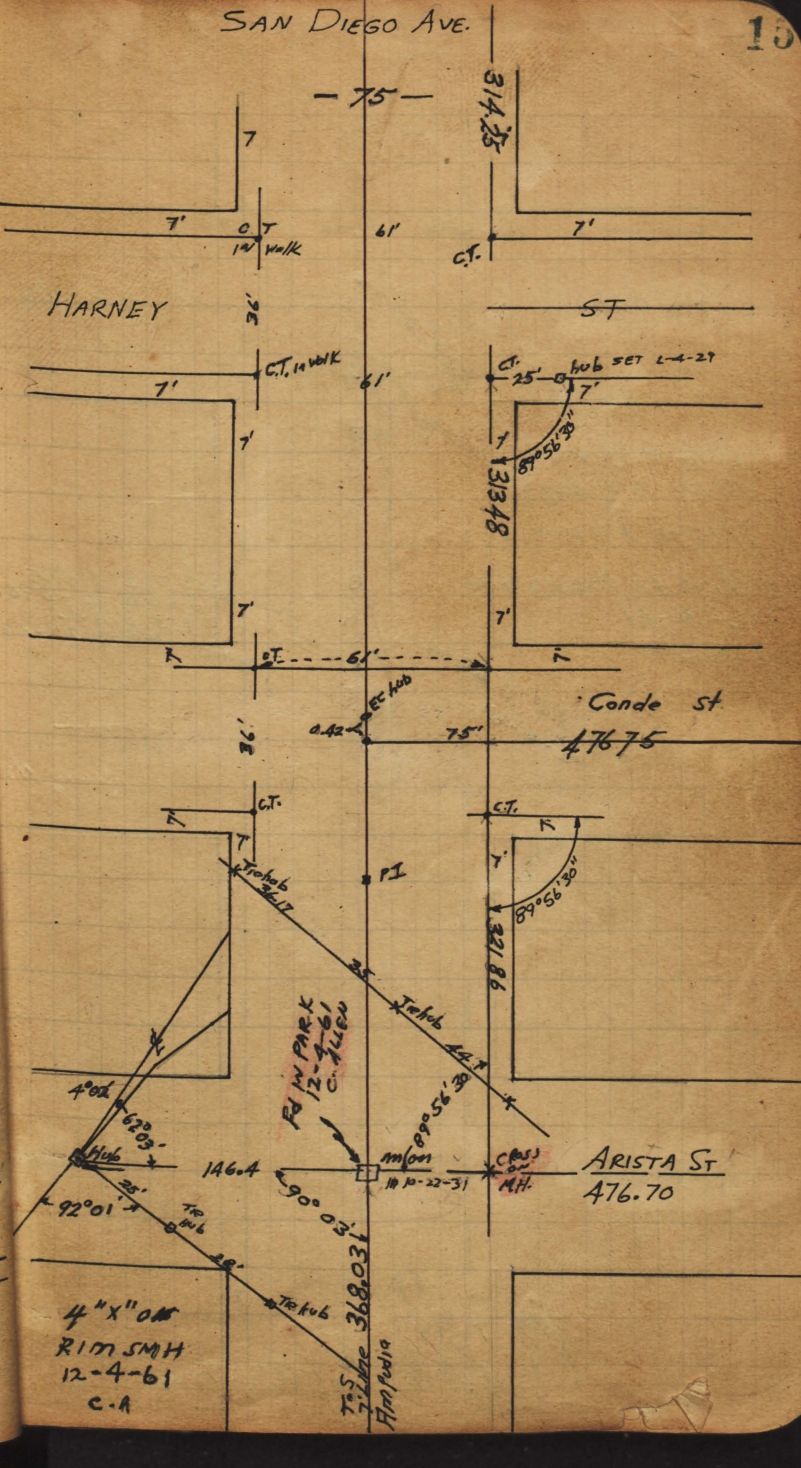
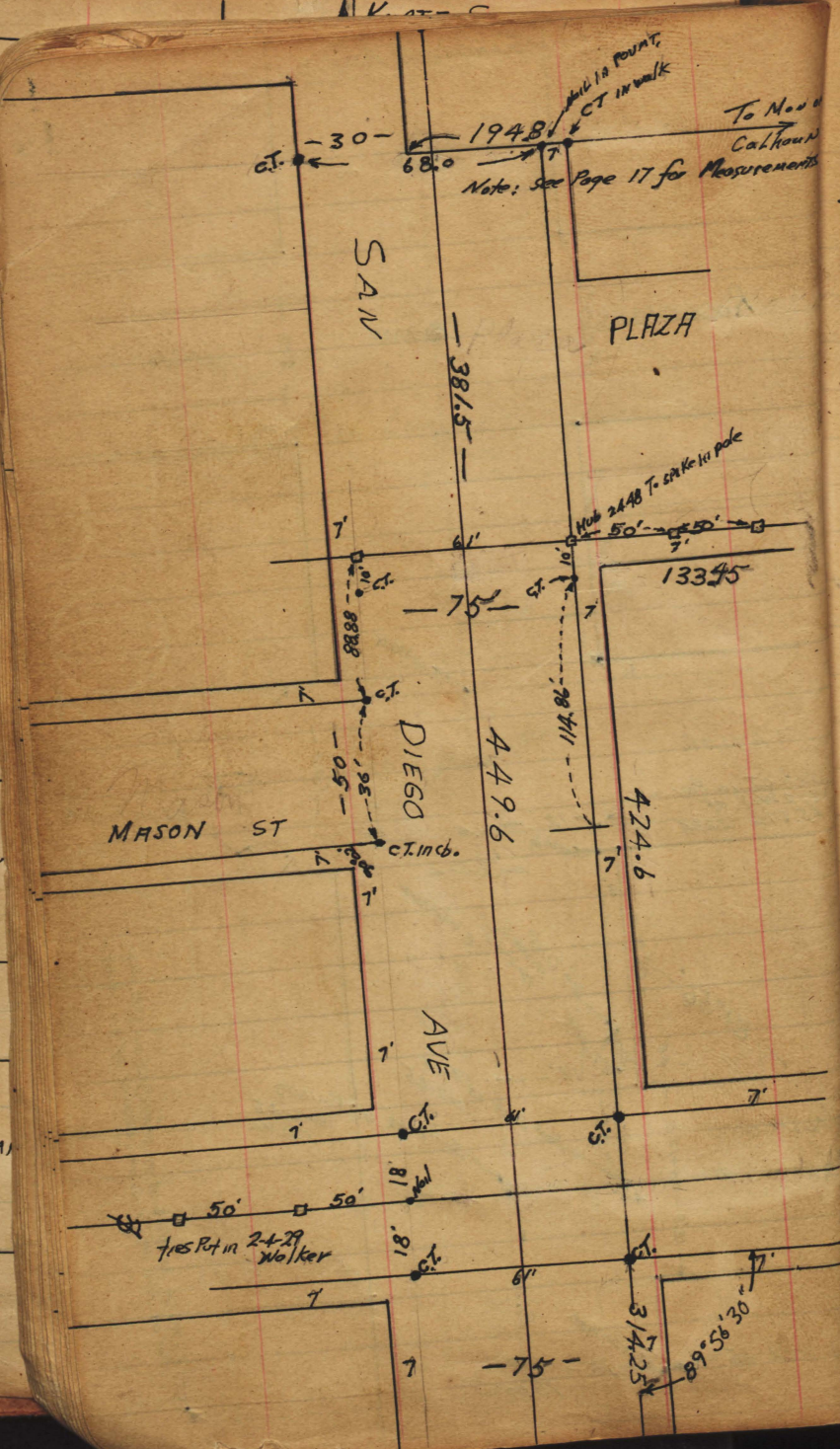
HORTENSIA

WITHERBY

-349.55- E. LINE OF OLD TOWN

-362.65





SAN DIEGO AVE

- 75' -

61.00

61.00

44.27

2.5

6.2-28

89°58'

- 362.62 -

7'

SET MON
2-5-23

Mon

of OLD TOWN

AMPUDIA

ST

RILEY

- 50 - ST

- 70 -

SET CITY
MON ON SKY
7' LINE AMPUDIA

+ S. SAN DIEGO AVE
12-4-61
C. ALLEN

SET 2" PIPE
+ HUB 12-5-6
S. D. AVE
NWLY 7' LINE

OLD TOWN

Fd
12-6-61

Redwood jobs
Set 6-2-28

AVE

GAINES

- 50 - ST

ST.

ROSECRANS

- 50 - ST

HORTENSIA

See P. 50

- 70' -

CALHOUN ST

OLD TOWN

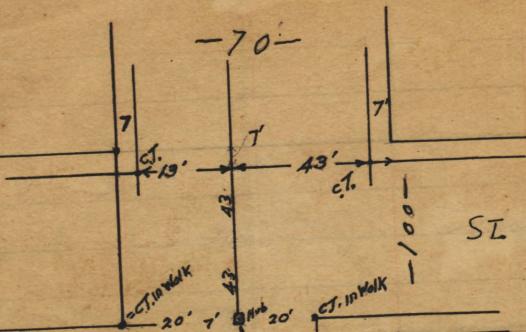
16

CALHOUN ST

TAYLOR

SL

-70-



S Black Jacks with cap lock
117E in 10' 110° Post

Hub set 5-8-28

hub set 5-8-28

WALFORD ST

Hub 5-8-28

hub set 5-8-28

PLAZA

-194.81-

A BLACK JACKS
AROUND CORNER
TAKEN IN PLACE

381.5

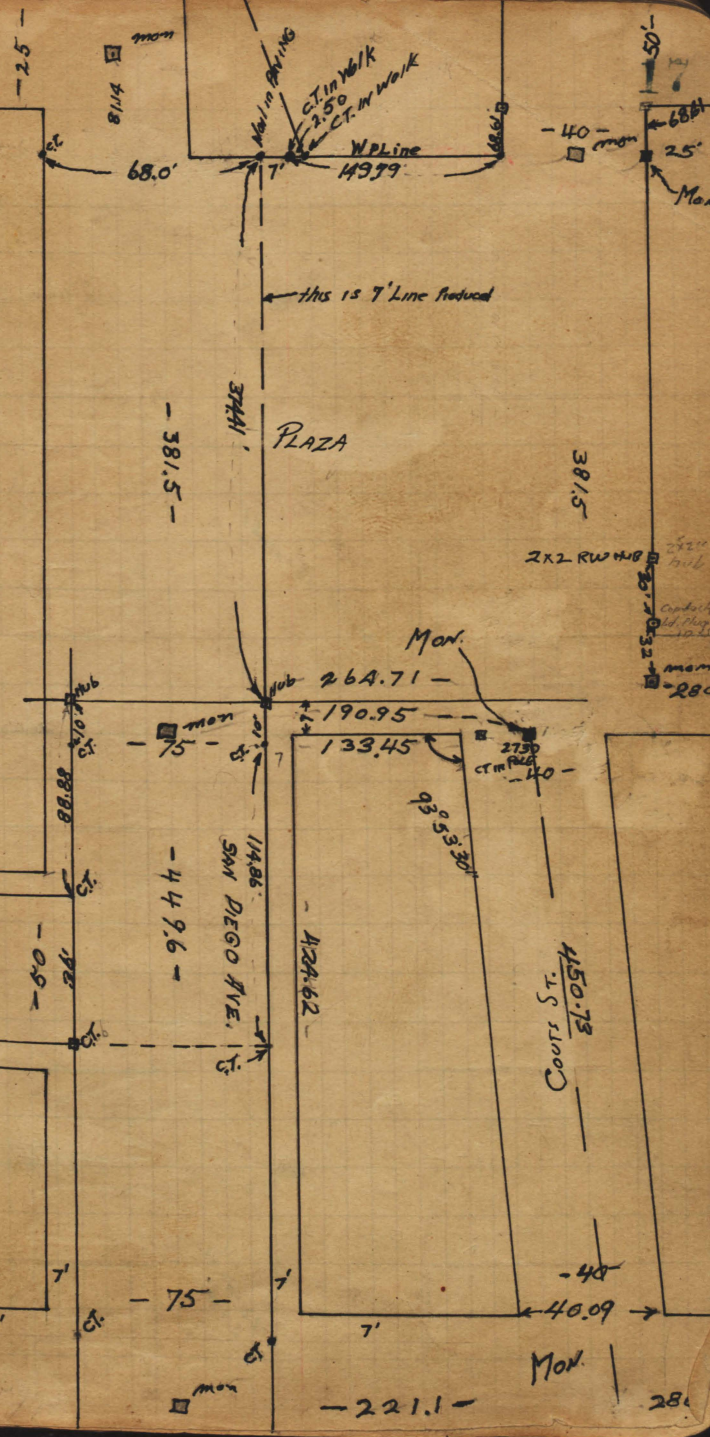
cap lock in side Walk

MASON ST.

-264.71-
190.35
133.45

COURT ST

-40-



this is 7' Line Reduced

PLAZA

Mon.

hub 264.71 -

190.95

133.45

114.86
SAN DIEGO AVE.

-449.6-

424.62

450.73
COURT ST.

-40-

Mon.

-221.1-

281

Juan St



Rosemans

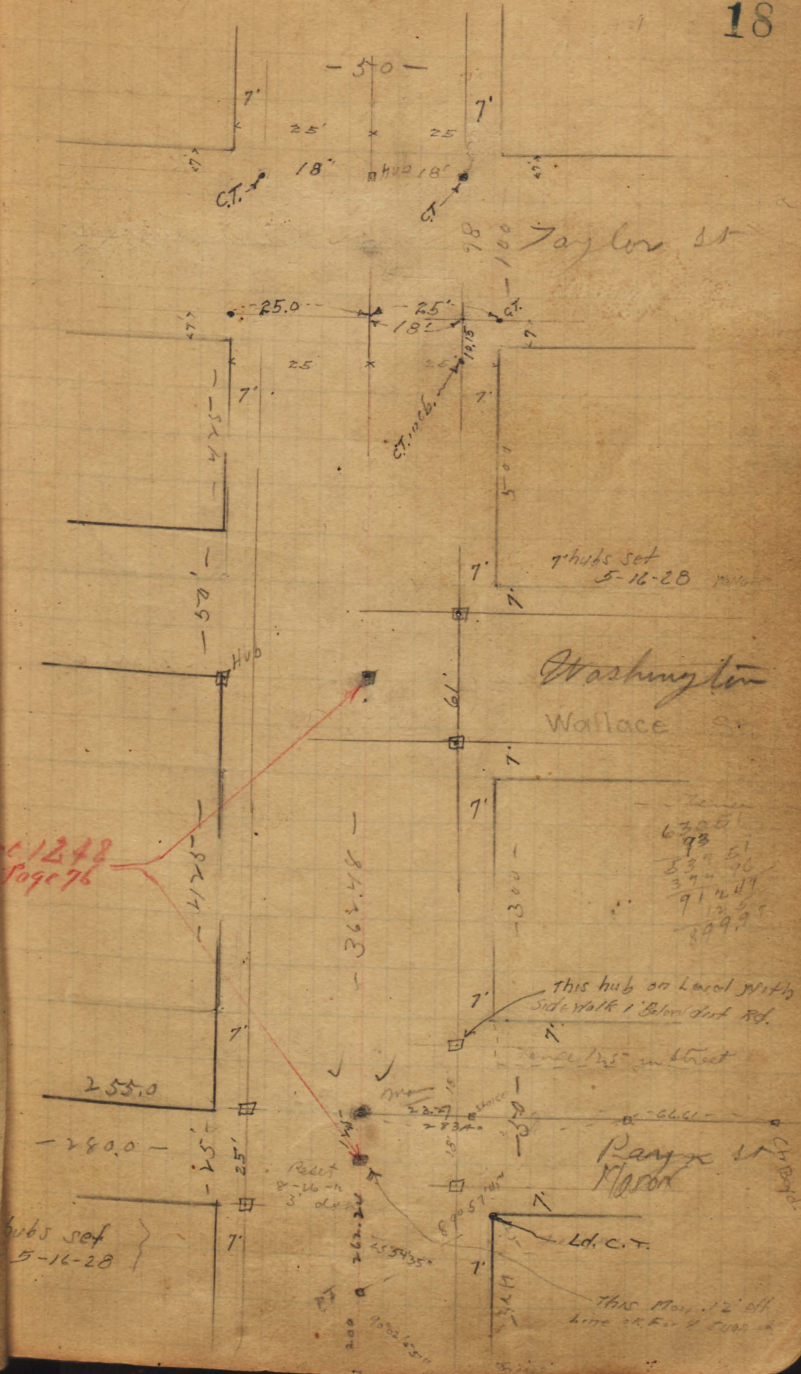
50'
w/d 12-11-61
Fd. Con.
Mon

Riley

Gains

street

Rosemans
12-11-61
5:00 P.M.



C.T.

Taylor St

Washington
Wallace

Rosemans
Marion

Ld. C.T.

C.1248
109076

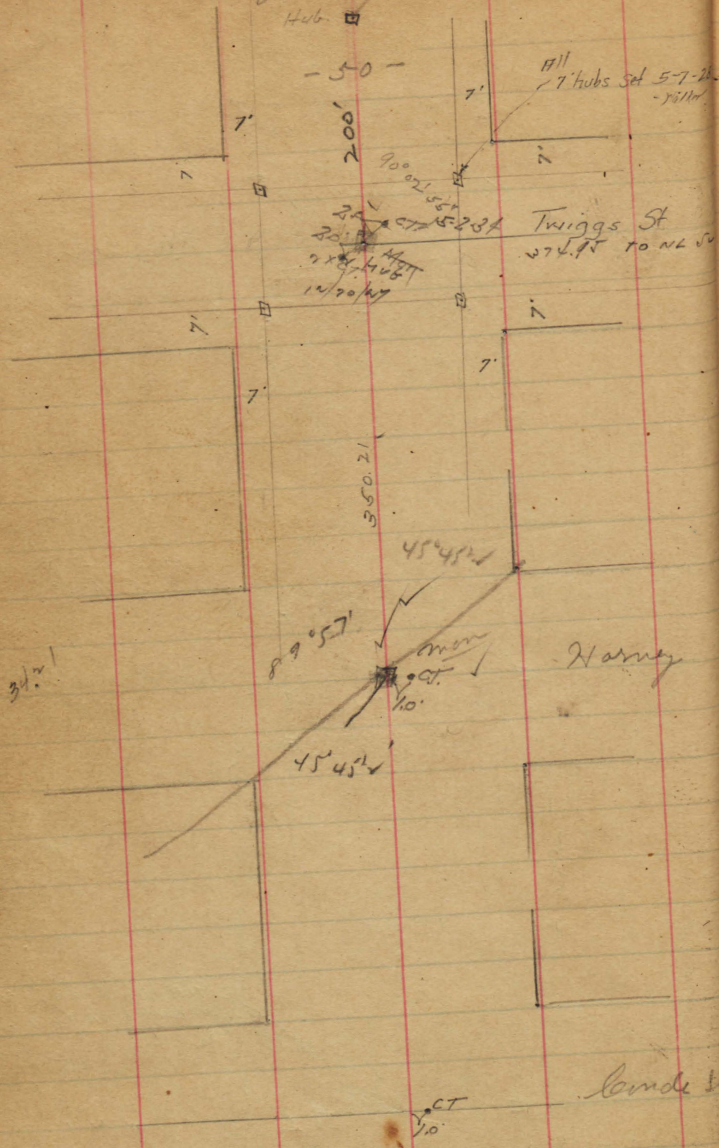
hubs set
5-16-28

this hub on Laurel with
side walk & Belmont St Rd.

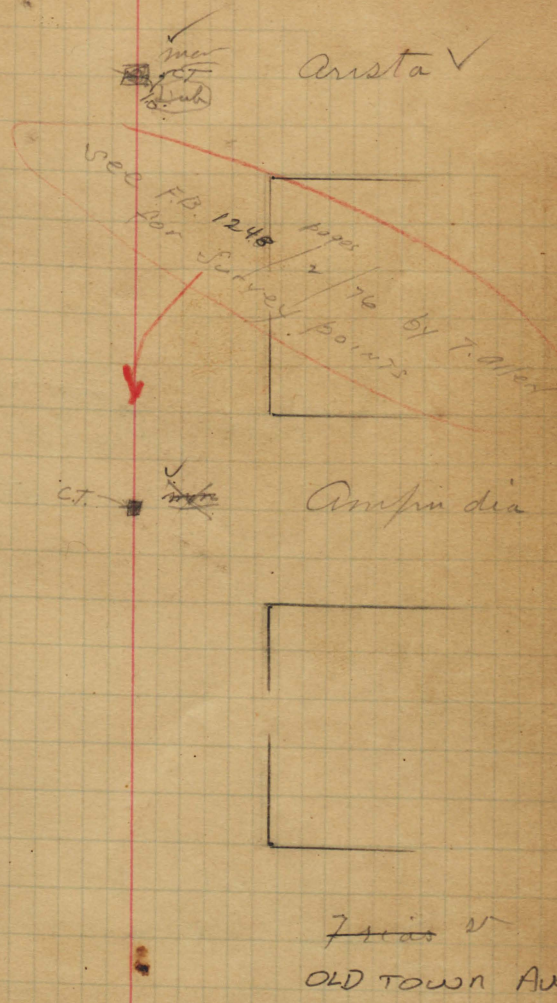
this map 12th
line of Rosemans

6300
6301
6302
6303
6304
6305
6306
6307
6308
6309
6310

- Juan St -



- Juan St - Old Town



A. Kuetz S-

- Juan St -

- 50 -

11/1933

S. Ct.

Encordia
Horrensia

444.25

306.75

✓
mon

349.79

E. line of Old Town

Wetherby St.

Boyd St
Lunar Blvd.

Old Town
20

Mon

350.16

Riley St →

+89°56'

- 50 -

331.93

Mon

Gaines St

7'

7'

36'

Scott
Rosecrans

mon
50'

50'

St

36'

314.00

To. S.E. 7th St.

7'

7'

- Bay St -
Sunset Blvd.

-50-

Mon. - *Arista st*

Ampelida

Ficus st
OLD TOWN

- Bay St -
Sunset Blvd.

Old Town 22

-50-

Hortensia
leucocordia

54979

✓
Edin ⁵⁴⁹⁷⁹ Old Town

Witherby

- Whitman St -

425

50

✓
✓
✓
✓
mer
Old Hub

700
-50-
Twyggs St

300

✓
✓
✓
✓
mer
Old Hub

100
-50-
Harney

✓
✓
mer

100
-50-
Conde St

- Whitman St - Old Town

- 50 -

✓
✓
mer

100
-50-
Arista

✓
✓
mer

100
-50-
Ampudia

✓
✓
rest
6/25/13
Hub

100
-50-
Tales St
OLD TOWN AVE

- 50 -

HORTENSIA
~~concordia~~

349.79

3' 2" 2' 2" 2' 2" 2' 2"
✓ man
E side of Old Town
witherby st
diag

✓ man

Riley st -

- 50 -

25' 25'

PIPE

Gaines st

350.00

To N.E. 7th Hab 332.00

OUT

man

ROSEMARYS
Scott st

90° 02' 30"

314.00

Chestnut st

-50-

man

✓

Bondi

-50-

man

✓

Arista

-50-

man

✓

Amputia

-50-

Chestnut st

Old Town

27

-50-

reset

6/5/13

man

✓

Trias st

-50-

bencaudin

Hortensia

-50-

man

PKD

✓

EL of Old Town

Wetherby st

-50-

Jan 1 40 35

Hickory St

244-23'

Hickory St

Old Town

28

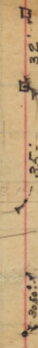
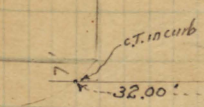
✓
✓
max
Back
Old Wash

Riley St

50-

Gaines St

Rodgers
Scott St



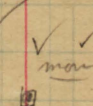
109.23

✓
✓
max
Back
Old Wash

Taylor St



Jackson St



Smith St
MASON ST

Hickory St

-50-

✓
mar
Old stone

90° 02' 30"

Massey St

✓
mar ✓
~~Old stone~~

Twiggs St

✓
✓
✓
mar
✓

Harney St

Hickory St

Old Town

29

-50-

✓
mar
✓

Bonde St

Arista St

✓
✓
mar
✓

Amputia

Hickory St

-50-

reset

4/5/13

✓

✓

Zinnia St

OLD TOWN A

Horcasia

HORTENSIA

✓

E. end of Old Town

Witherby St

Anadroma St
Preston

Old Town

30

✓
mass
Park

-50-

Riley St

-50-

-50-

Gains St

-50-

Pascarus
Scott St

- Madrona st -
Fort Stockton

-50-

-100-
Tayler st

-50-
Jackson

-50-
Smith st

440

Madrona st
Fort Stockton

Old Town

31

-50-

Hub.

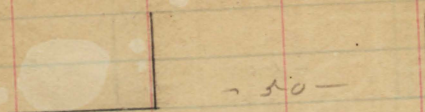
Hub.

-50-
Masen st -

-50-
Twiggs st

-50-
Harney st

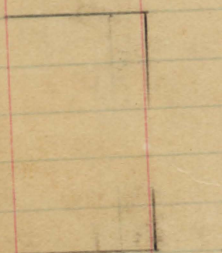
Madrona St
Ft. Stockton Dr.



50



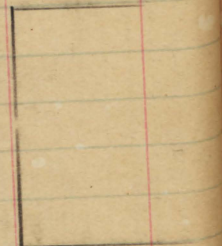
50
Conde St



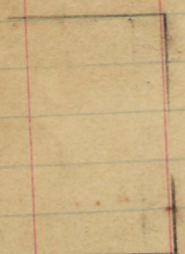
25' 25'
5-23-28
-Walker

This Mon. Rd. in 5-23-28
to about 6' wide
Sewer Mt. 12 1/2 feet

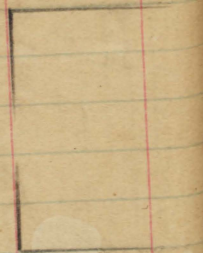
Man



50
Arista St



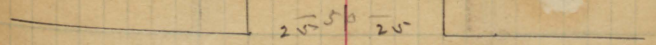
70



70
Ample St

✓
Man

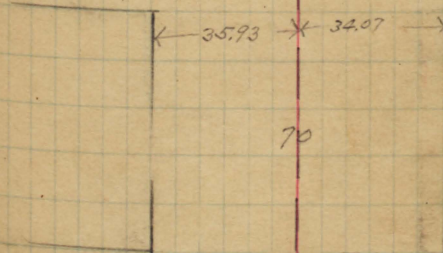
Madrona St
Fort Stockton
RETURN TO CITY ENGINEER'S OFFICE
CITY HALL, SAN DIEGO, CAL.



25 50 25

✓
Man

50
Trias St

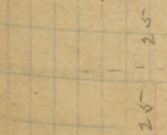


35.93 34.07

70

hul

5
5
Concordia
Hortensia



25

✓

35.93 34.07
Man

Edin of Old Town

Wetherly St

- Pine St

✓ man
park

-50-

Riley St

Gaines St

Essex St
Scott St

- Pine St

Old Town

33

50

100 Taylor St

✓ man
width

100 Jackson St

3' x 5' HVD
89° 58'

100 Smith

440

- Pine St -

- 50 -

Hub

90° 03' 30"

349.90

Hub

90° 03' 30"

Hub

Mason St

Twiggs St

Harney St

- Pine St -

Old Town

- 50 -

Hub

min

Coude St

7'

7'

Hub

36'

Hub

7'

Cap lock in wall

36'

Hub

min

36'

Cap lock in wall

Arista St

7'

7'

Hub

Hub

min

Amputia St

- Pine St -

- 50 -

↓ man

↑ 50
- 1
Mass St

↑ 50
- 1
Bonessie
Hortensia

↓ man
Edin of Old Town

Michalsky St

- Cherry St -

Old Town

35

↑ man
↓ pub
Old Town

↑ 50
- 1
Riley St

↑ 50
- 1
Gaines St

↑ 50
- 1
Scott St

- Cherry st -

- 50 -

- 100 -
Taylor st

Jackson

Smith

- Cherry st -

Old Town

36

- 50 -

- 50 -
Mason st

- 50 -
Twiggs st

- 50 -
Harney st

- Cherry St -

- 50 -

2x ✓ - 50 -
Londe St

300.50

289.80

300.50

2x ✓ - 50 -
Arista St

10 - 50 -
Ampudia St

- Cherry St -

Old Town

37

- 50 -

man

Tricus St

Concordia St

man

Edin Old Town

withby

North line Old Town

W line Old Town

✓
man

(Old hole)

Riley st

✓
- 50 -
man

(Old hole)

no. good off line also

Gaines st

✓
- 50 -
man

(Old hole)

Scott st

✓
- 50 -
man

(Old hole)

North line Old Town

38

Taylor st

✓
- 100 -
man

(Old hole)

- 275.17 -

Jackson st

✓
- 50 -
in line

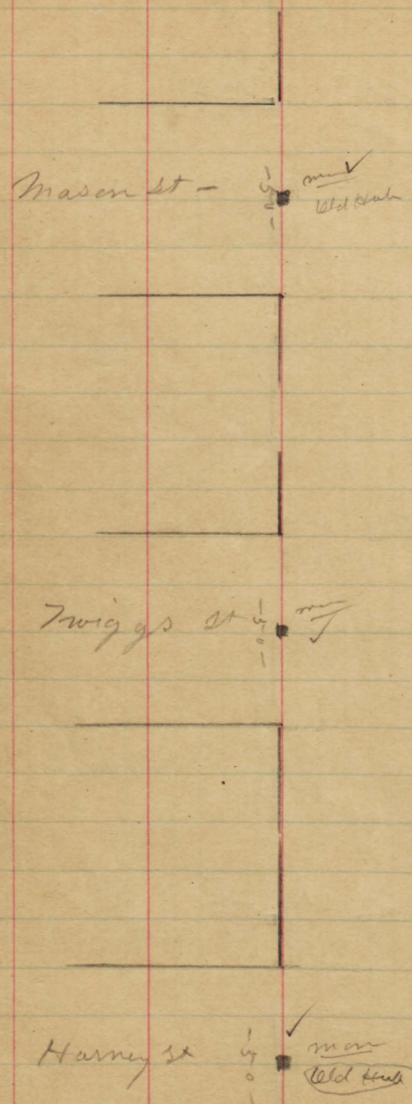
- 35.407 -

Smith st

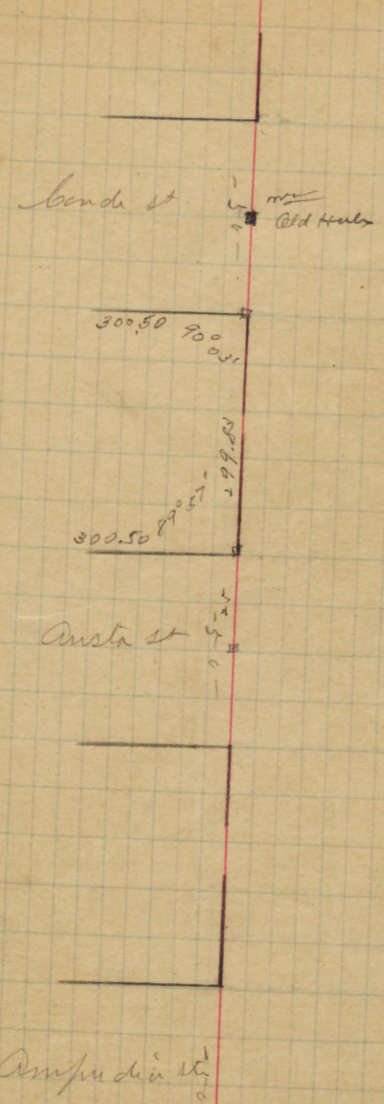
✓
- 50 -
man

(Old hole)

North Line of Old Town

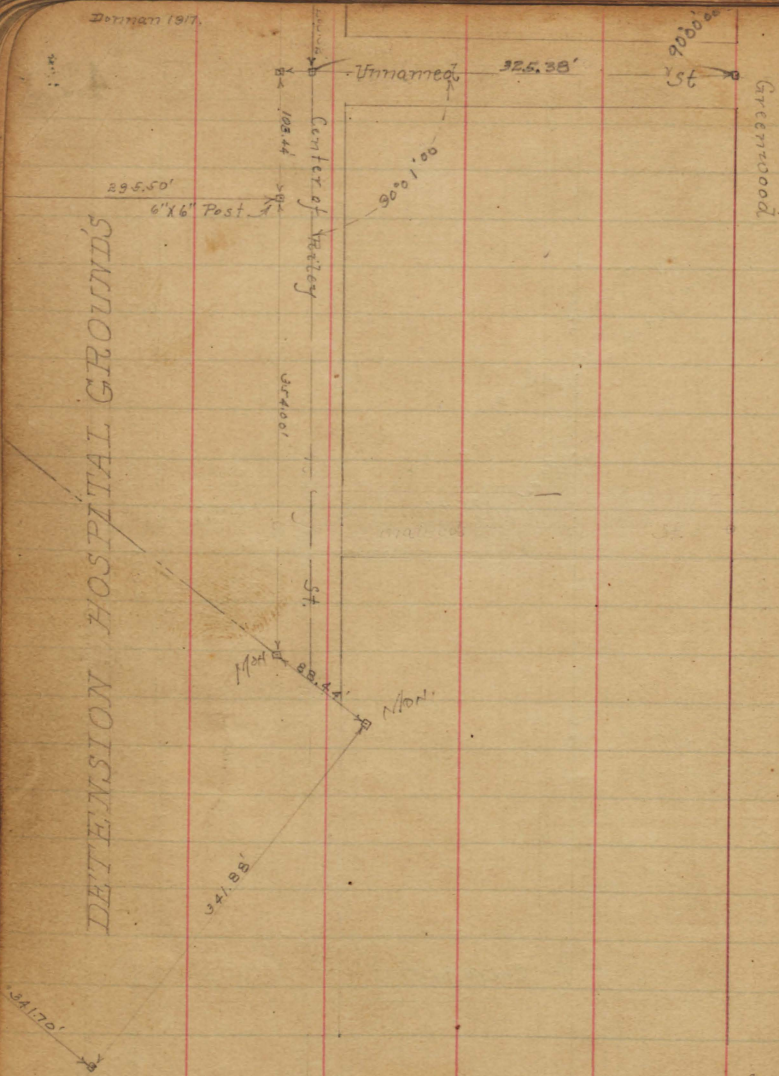


North Line of Old Town



Domitian 1917.

DETENSION HOSPITAL GROUNDS



54

24
25
26
27
28
29
30
31
32

St.

1492 922

100° 26' 50"

Hickory

115.50'

100° 26' 50"

St.

944.57'

St.

Greenwood

Riley

Gassies

Gassies

Chestnut

Scott

(ROSECRANS)

CON. 1904

St.

Cent. 1700

Cherry

St.

St.

St.

Fine

St.

Fort Stockton

Drive Madrona

944.57'

Taylor

117°

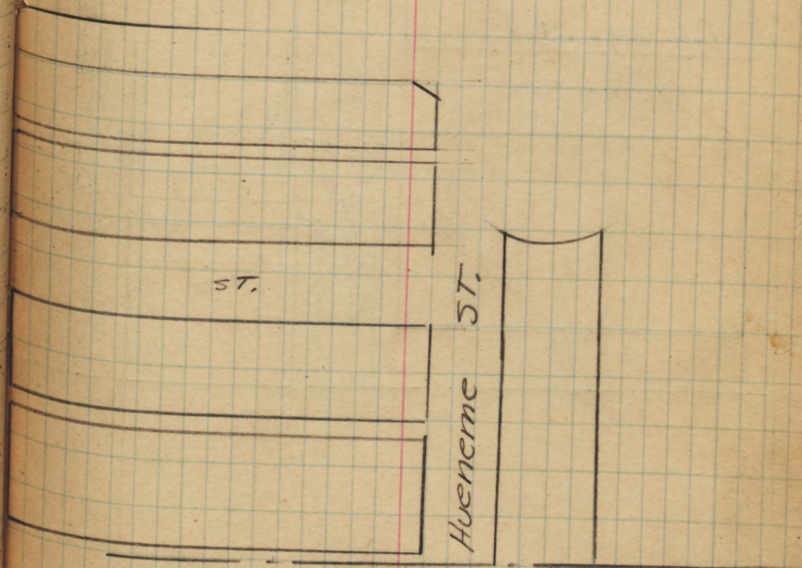
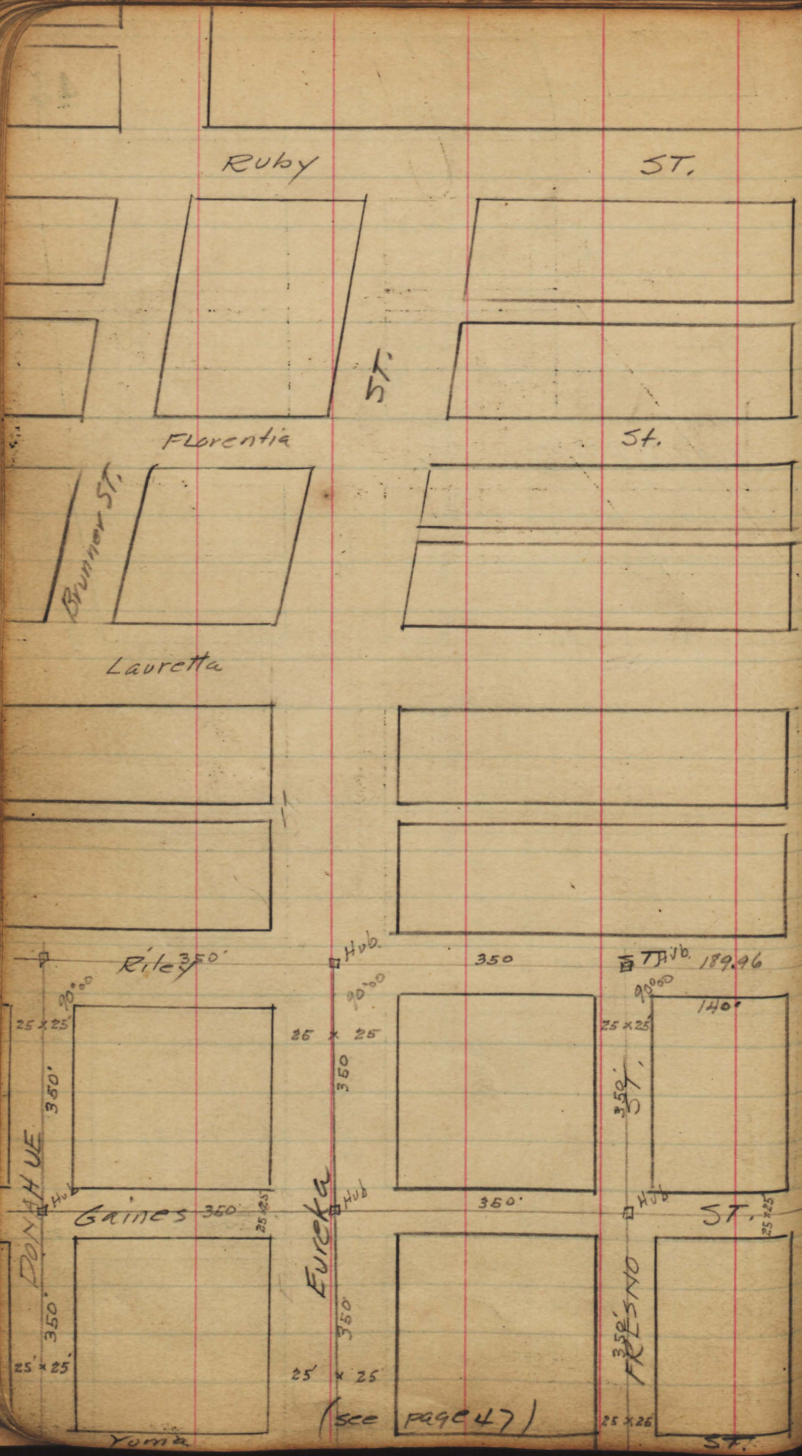
100° 26' 50"

115.50'

Cent. 1700

St.

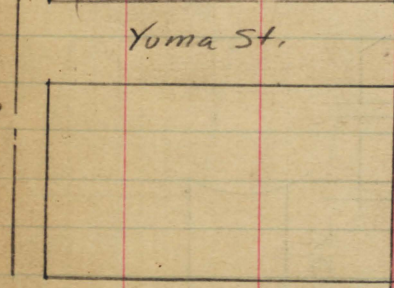
Cent. 1700



57.

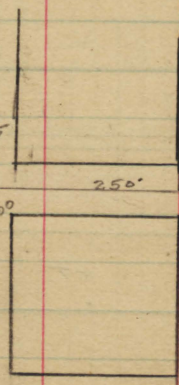
Benicia

(see page 45)
Yuma St.

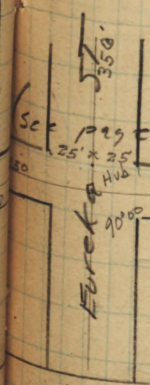


57.

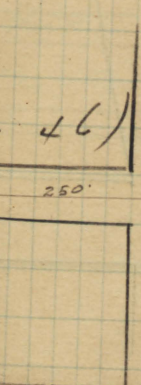
Colusa
90°
Hub
25' x 25'
350



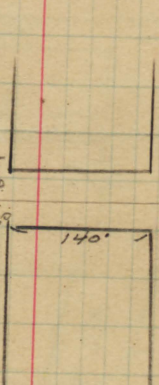
57
Danahy
90°
Hub
25' x 25'
350



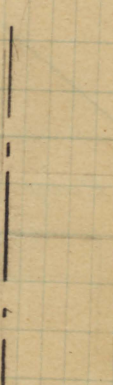
57
Eureka
90°
Hub
25' x 25'
350



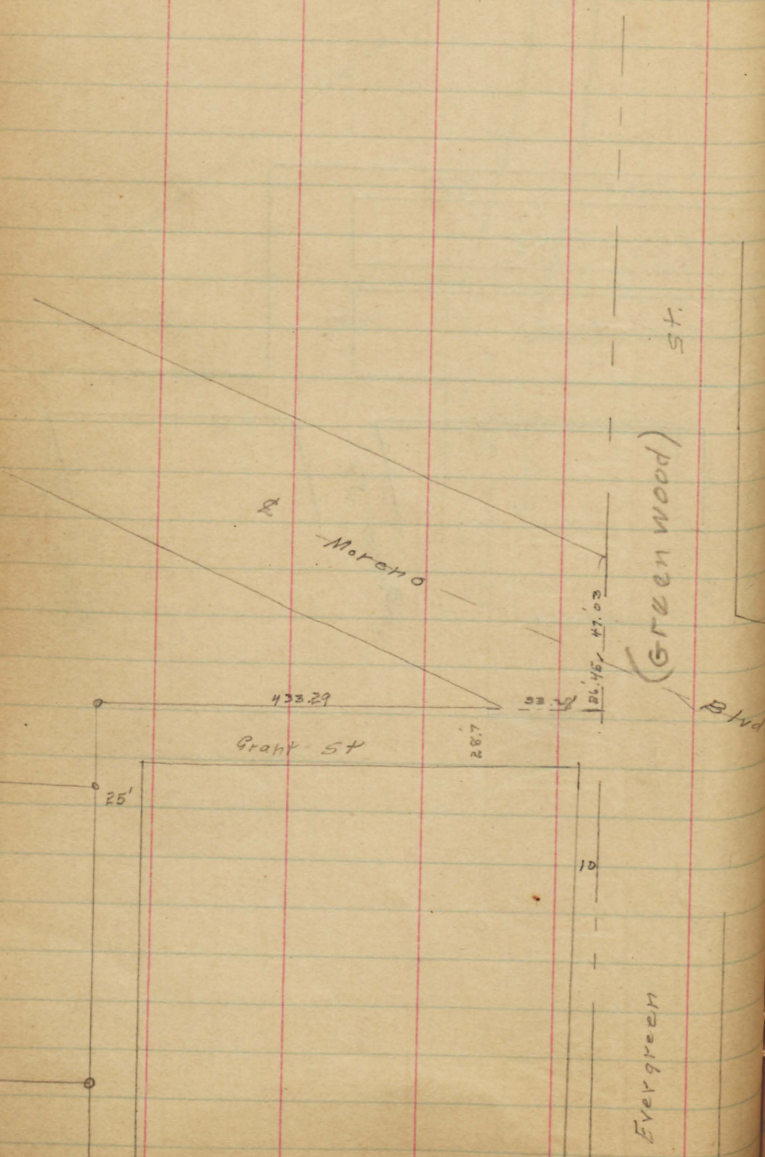
57
Fresno
90°
Hub
25' x 25'
350



57
Eosken



6



LINWOOD and Witherby
ST. OPENING

check Survey 9-7-43 Moore
Sommer Meyer
Moore

Nail POT
9+69.14

Linwood produced Nly front
Flamenco Pl.

Not Fd

Bandini

Nail
4+49.83 POT.

3+55 Miller

Fd. origin 2nd CT
by Davis

Linwood ST.

Flamenco Pl.

7' and 1/2 set cross
on 5th

25

Pringle St.

36

36

Moore
Sommer Meyer
W. Moore
3-4-43

Com. Mon.
Top of Bank

90° 02' 30"

Set Com. Mon

San Diego Ave.

Nail POT

9.54 7 9.79 MED

Set POT 12-11-61
Set Com. Mon

Witherby

Fd. Buzz at old
Davis 2nd Hub
in Andy Lamm
Line on Hub but NO CT.

90° 02'
90° 31' 50"
9-7-43

199.90

Linwood ST.

Courts

13' Hub NOT Fd.

300

Nail 9+69.14

S
M
T
H



73

Ruby

6/5/23

Gregory

Levels
GRAPE
Hawthorn St
PACIFIC Hwy
TO LAUREL
100' wide

	1.30	18.70	17.40	
		N.L GRAPE ST		
		12.31	6.39	on curb
E		10.3	8.4	
C		10.7	8.0	
W		11.1	7.6	
		75' N		
W		11.2	7.5	
C		10.7	8.0	
E		9.8	8.9	
		100' N		
E		9.4	9.3	
C		9.5	9.2	
W		9.7	9.0	
		200' N		
W		9.1	9.6	
C		9.3	9.4	
E		8.9	9.8	
		300' N = 5 L Hawthorn	80' wide	
E		8.4	10.3	
C		7.8	10.9	
W		8.4	10.3	
		6 Hawthorn		
W		9.1	9.6	
C		8.9	9.8	
E		8.0	10.7	
		N.L Hawthorn		
E		7.2	11.5	
C		7.6	11.1	

75

W	8.8	9.9
	100' N	
W	9.1	9.6
C	7.3	11.4
E	5.5	13.2
	140' N	
E	5.0	13.7
C	7.7	11.0
W	9.4	9.3
	200' N	
W	9.9	8.8
C	8.3	10.4
E	5.8	12.9
	300' N = 5 L lvy	80' wide
E	8.2	10.5
C	9.0	9.7
W	10.1	8.6
	6 lvy	
W	10.4	8.3
C	9.9	8.8
E	9.3	9.4
	N.L lvy	
E	8.8	9.9
C	10.2	8.5
W	10.6	8.1
	100' N	
W	10.5	8.2
C	10.2	8.5

18.70

E		8.0	10.7
	200' N		
E		6.5	12.2
C		9.9	8.8
W		10.5	8.2
	300' N = S.L. JUNIPER		80' wide
W		10.1	8.6
C		9.4	9.3
E		7.3	11.4
T.P.	5.37	14.62	9.45
		6	9.25
		JUNIPER	
E		3.1	11.5
C		4.6	10.0
W		5.5	9.1
	N.L. JUNIPER		
W		6.6	8.0
C		5.7	8.9
E		4.5	10.1
	100' N		
E		2.5	12.1
C		4.5	10.1
W		6.4	8.2
	300' N		
W		6.1	8.5
C		4.0	10.6
E		4.3	10.3
	300' N = S.L. Kalmia		
E		3.5	11.1
C		5.2	9.4

14.62

ATLANTIC

76

W		5.9	8.7
	3' N. of S.L. Kalmia		
E		3.0	11.6
	4' N. of S.L. Kalmia		
E		7.5	7.1
	19' N. of S.L.		2' goes down into ditch also
E		7.2	7.4
	26' N. of S.L.		
E		3.4	11.2
	N.L. Kalmia		
E		5.8	8.8
C		5.1	9.5
W		4.8	9.8
	10' N.		
W		10.7	3.9
	35' N.		
W		8.5	6.1
	70' N.		
W		8.4	6.2
	100' N.		
W		6.0	8.6
C		5.1	9.5
E		5.3	9.3
	135' N.		
E		6.3	8.3
C		5.4	9.2
W = 2 Railroad		8.70	5.9 Top of trail

1462

175' N

W	6.5	9.1
C	8.4	6.2
E	7.0	7.6

200' N

E	7.7	6.9
C	8.6	6.1
W	8.5	6.1

231' N

W	10.6	4.0
C	4.4	10.2

E = d Railroad spur	6.98	7.64	Top rail
---------------------	------	------	----------

238' N

W	7.0	7.62
---	-----	------

300' N = 5 L Laurel

E	4.9	9.7
C	4.3	10.3
W	6.6	8.0

Chk BM

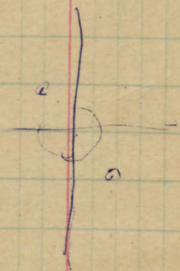
14.7	13.35	-13.35 Top Head W.
------	-------	--------------------------

77

3'
7'

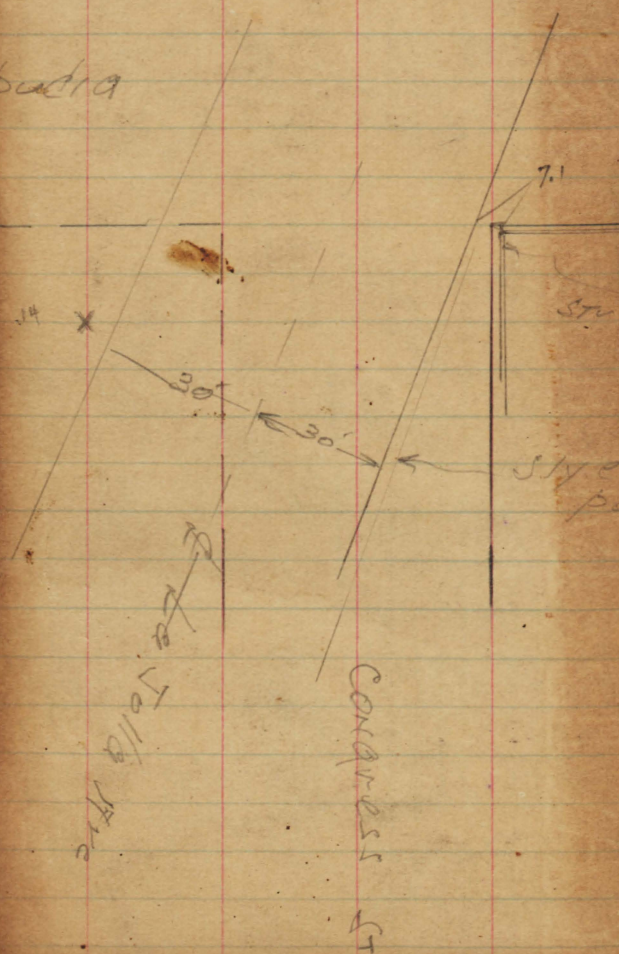
200 79

E Long to SD 3644



Location of ...
 5714 Cor Alameda &
 La Jolla Blvd 1700

N 89° 37' W look page 14 for ties
 89-29 E. Tol



S. CROCKER COMPANY, Stationers, Drawing
 Mathematical Instruments, San Francisco.

the difference of latitude and departure in
 chains at any course from 1 to 60 minutes.

KS.	MINUTES.	LKS.	MINUTES.	LKS.
2 1/2	21	49	41	95 1/2
4 1/2	22	51 1/2	42	98
7	23	53 1/2	43	100 1/2
9 1/2	24	56	44	102 1/2
11 1/2	25	58 1/2	45	105
14	26	60 3/4	46	107 1/2
16 1/2	27	63	47	109 3/4
18 3/4	28	65 1/2	48	112
21	29	67 3/4	49	114 1/2
23 1/2	30	70	50	116 3/4
25 3/4	31	72 1/2	51	119
28	32	74 3/4	52	121 1/2
30 1/2	33	77	53	123 3/4
32 3/4	34	79 1/2	54	126
35	35	81 3/4	55	128 1/2
37 1/2	36	84	56	130 3/4
39 3/4	37	86 1/2	57	133
42	38	88 3/4	58	135 1/2
44 1/2	39	91	59	137 3/4
46 3/4	40	93 1/2	60	140

FOR RUNNING ON SLOPES.

Table the first column shows the angle, the second the
 links to be added to a chain on the slopes, to make one
 horizontal measurement.

ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS
0		0		0	
11	1.88	18	5.14	25	10.54
12	2.24	19	5.76	26	11.26
13	2.63	20	6.42	27	12.24
14	3.06	21	7.11	28	13.37
15	3.53	22	7.85	29	14.34
16	4.02	23	8.64	30	15.47
17	4.56	24	9.47	35	22.07