Sewer Location
Lexington.
572

MEMO
TRANSFER BOOK

F.B. 572

KEUFFEL & ESSER CO.
DRAWING MATERIALS
AND
SURVEYING INSTRUMENTS.
NEW YORK.
CHICAGO. SAN FRANCISCO. ST. LOUIS.

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.
ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.
FOR SINGLE TRACK EXCAVATION.

"Copyright, 1895, by Keuffel & Esser Co."

MICROFILMED

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

Preliminary
Sewer Location

ENGINEERING DEPARTMENT,
CITY OF EAST SAN DIEGO.
CALIFORNIA

East of Sisson

Further East of Estrella Park

Indexed to date
Feb. 5, 1918.
Card Indexed to date
Mar. 21, 1917

418-10 7th

Index

Lexington line 1-6

1735

1920 1 2 3 4 5 2C 2T 8 9 0 1 2 3 4 5 6

Meander Line on Lexington

12+60.32 ΔR 20°28' ✓

S32°20'W

Resor 3-8 1.2' Bartlett 4.8' 6.1'

8+82.86 ΔL 5°40' ? ✓ 8+28 PI Alley ℄ - 8+22 South of S.L. Clair

6+43 - Water Hole

5

S38°00'W

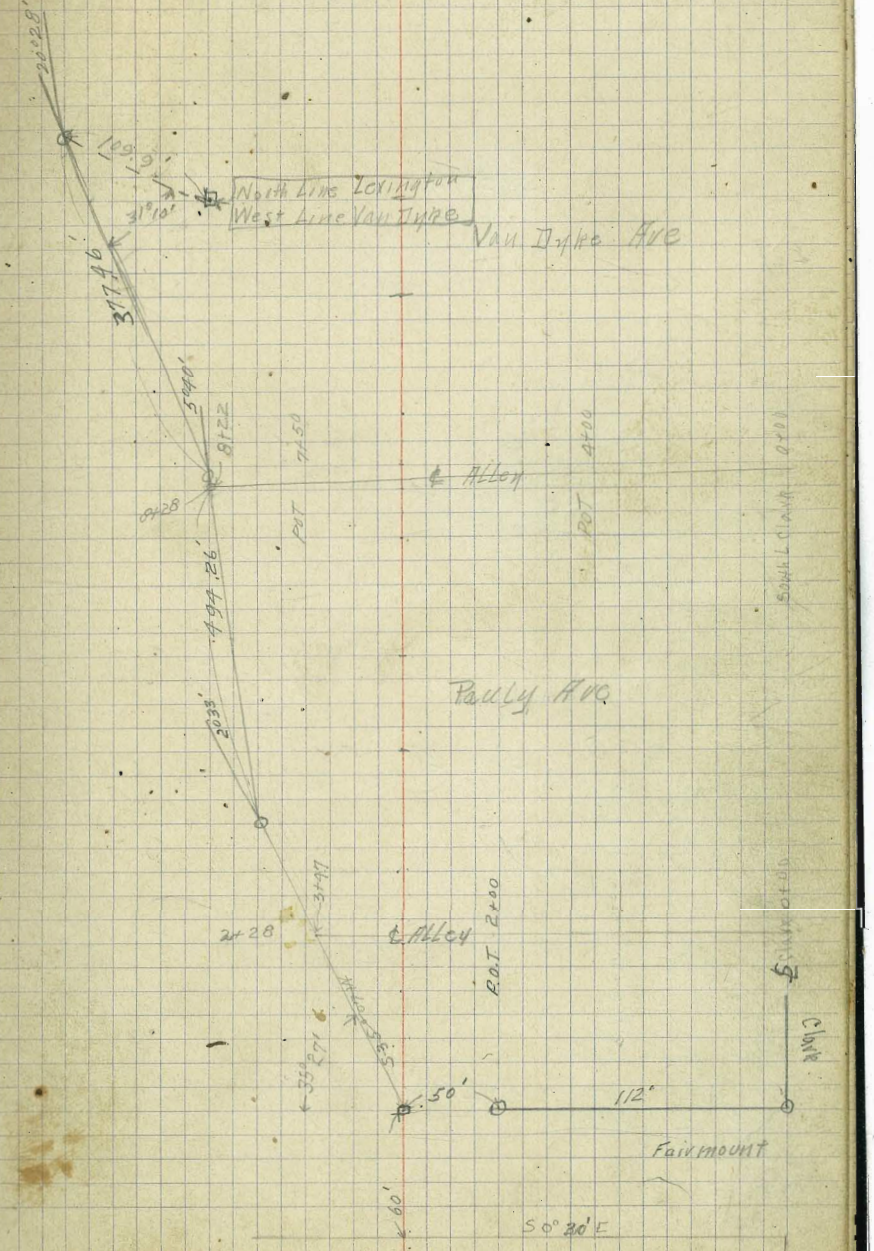
5+35

3+88.6 - ΔR 2°33'

2+28 apprx PI ℄ Alley Bet Fairmount + Parly + Meander line on Lexington.

S35°27'W

0+00 on West Line Fairmount 162' South of S.L. Clair



S63°19'

21+40.8 ΔR 18°58' ✓

S44°21'

17+13.8 P.O.T

2 36 3/8

Was N°33' corrected Dec 2-1914 GOTH

14+77.42 ΔL 8°27' ✓

S52°48'

12+47.6 PI ℄ Alley Bet Van Dyke & Copeland with Lexington Sewer

12+60.32 ΔR 20°28' ✓

Gothic

S63°40' W. (S59°30' W.)

Stockton

50.45'

N.E. Stockton & Lexington

84°33'

84.03

18 5 8

6 2 5 1

N.E. Lexington West Line Copeland

52.25'

Copeland

1.75 Ex

14+47.6

12+97.1

℄ Alley

12+20.7

9+00

POT

POT

S.L. Clarke - 0+00

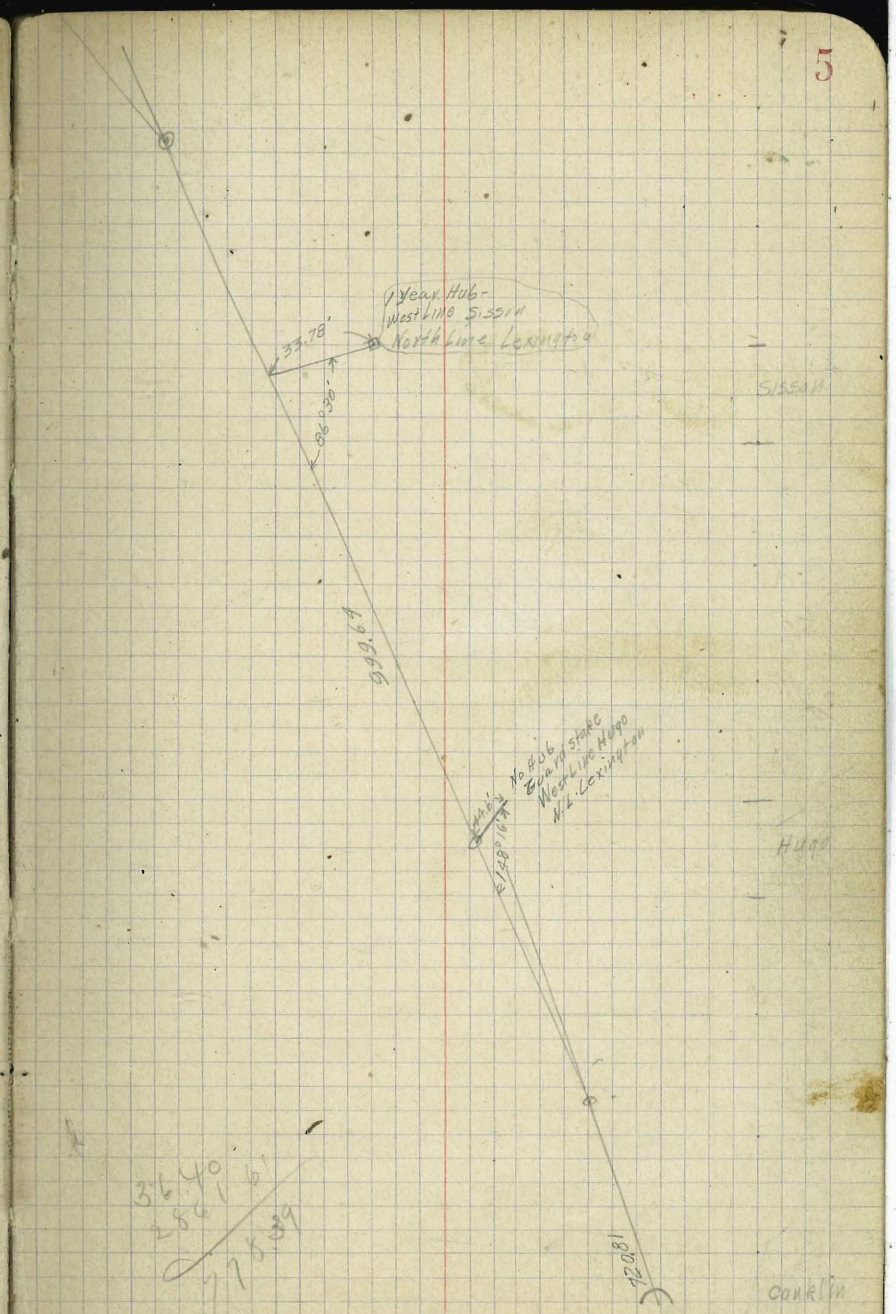
38+61.25 ΔL 8°03'

36+40 P.O.T.

S48°22'W

31+00 P.O.T.

2876.61 ΔL 14°57'



48+25.25

181.13

S24°52'W

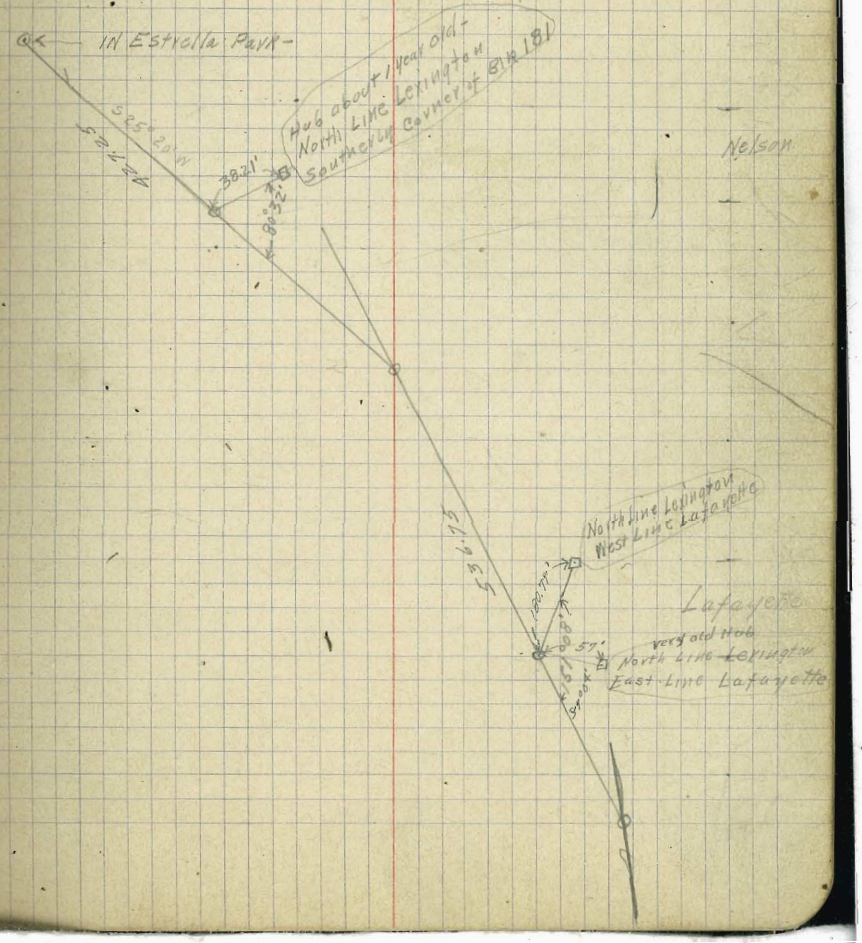
46+44.12 POT

246.12

43+98 ΔL 15°27'

41+00 P.O.T. S 80°19' W

38+61.25 ΔL 8°03'



Prop. Align. of Harbor Drive
Thru Destroyer Base

Moore
3-22-39

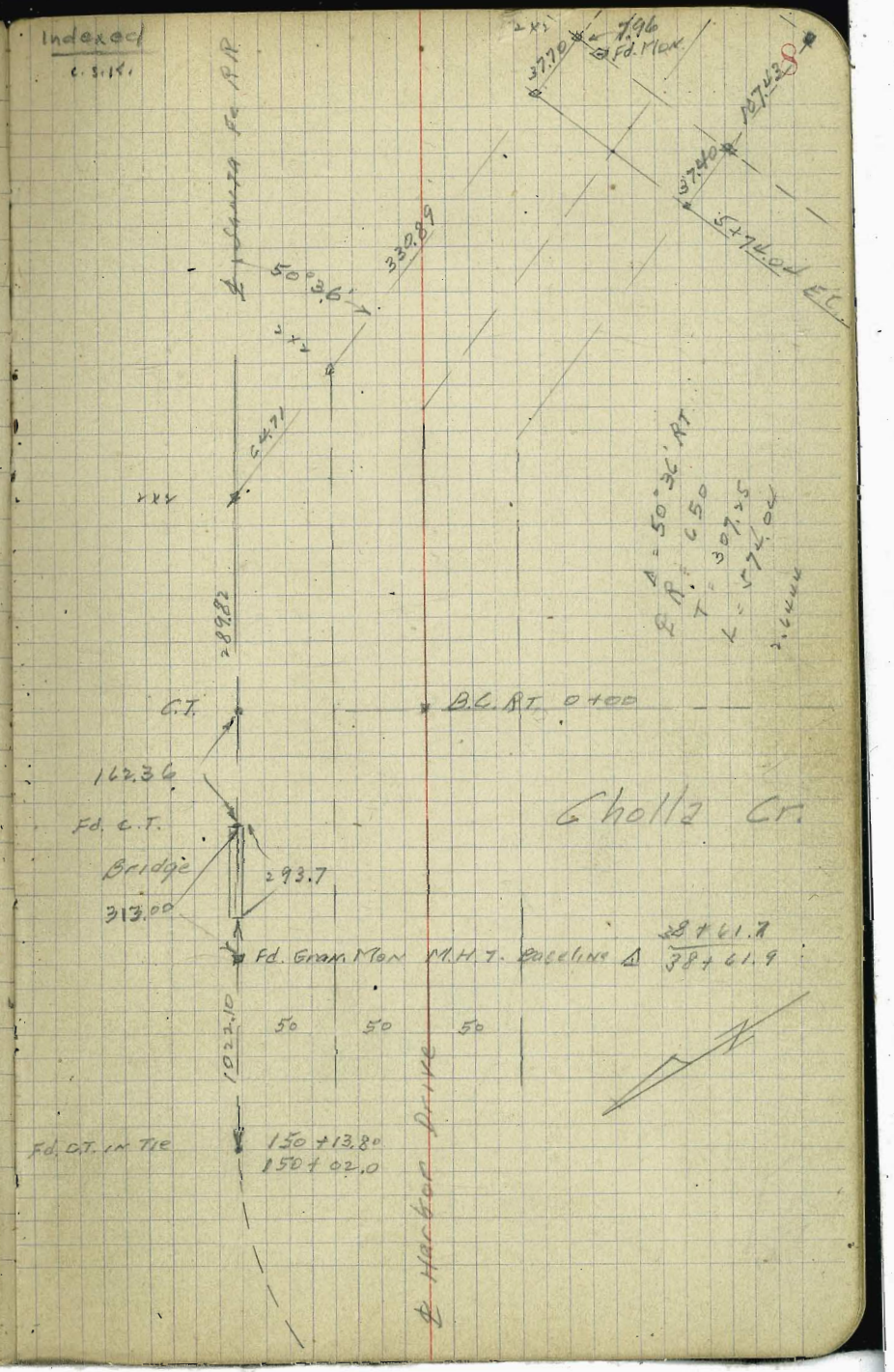
5+74.0℄ E.C.

0+00 B.C. L.T. C.T. IN Tie WITHIN 3 nails.

Fd. C.T. WITHIN 3 nails E'ly end R.R. Bridge
Set by Match

See P. 28-37 Additional Ties

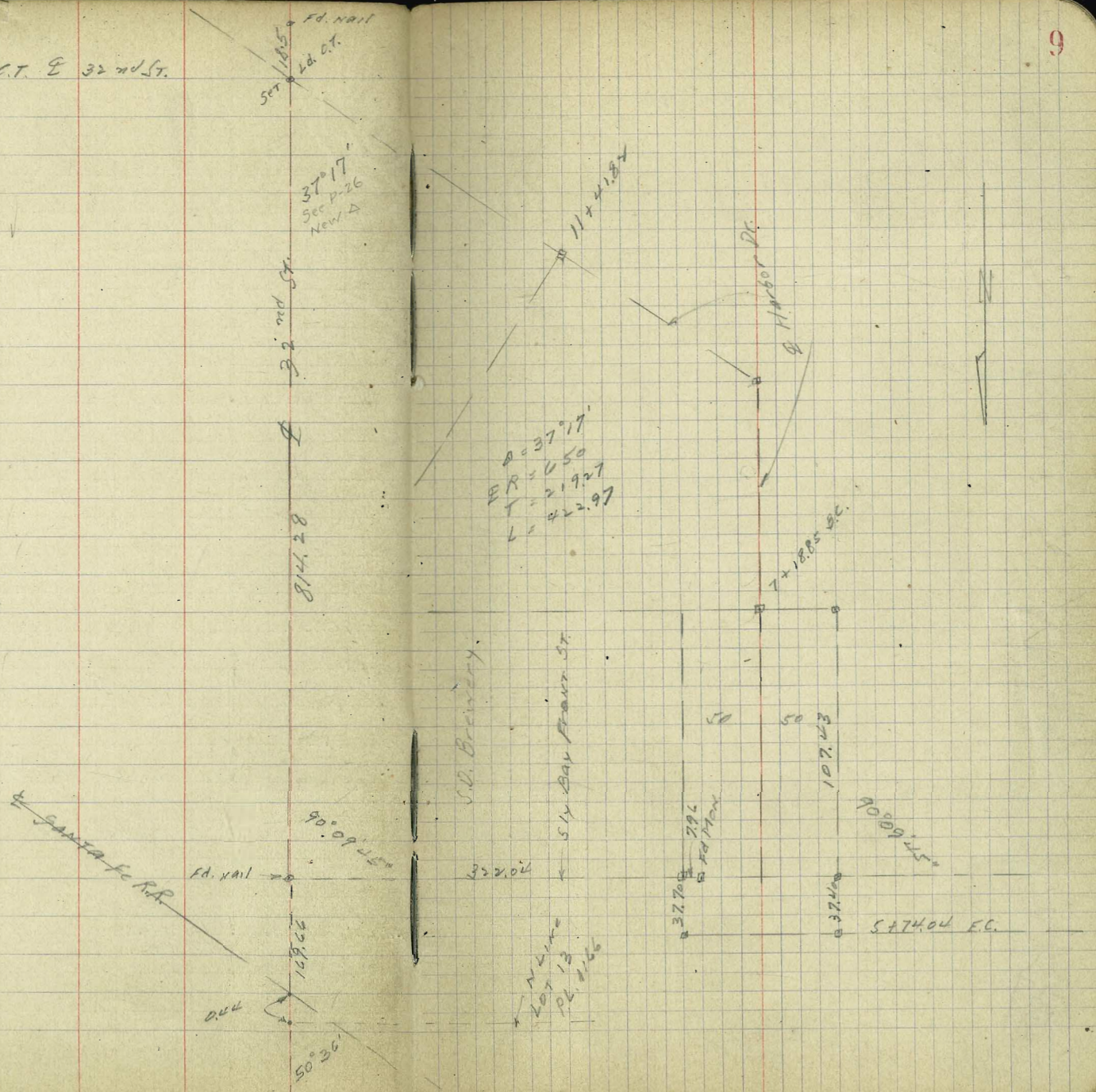
Indexed
C.S.I.C.



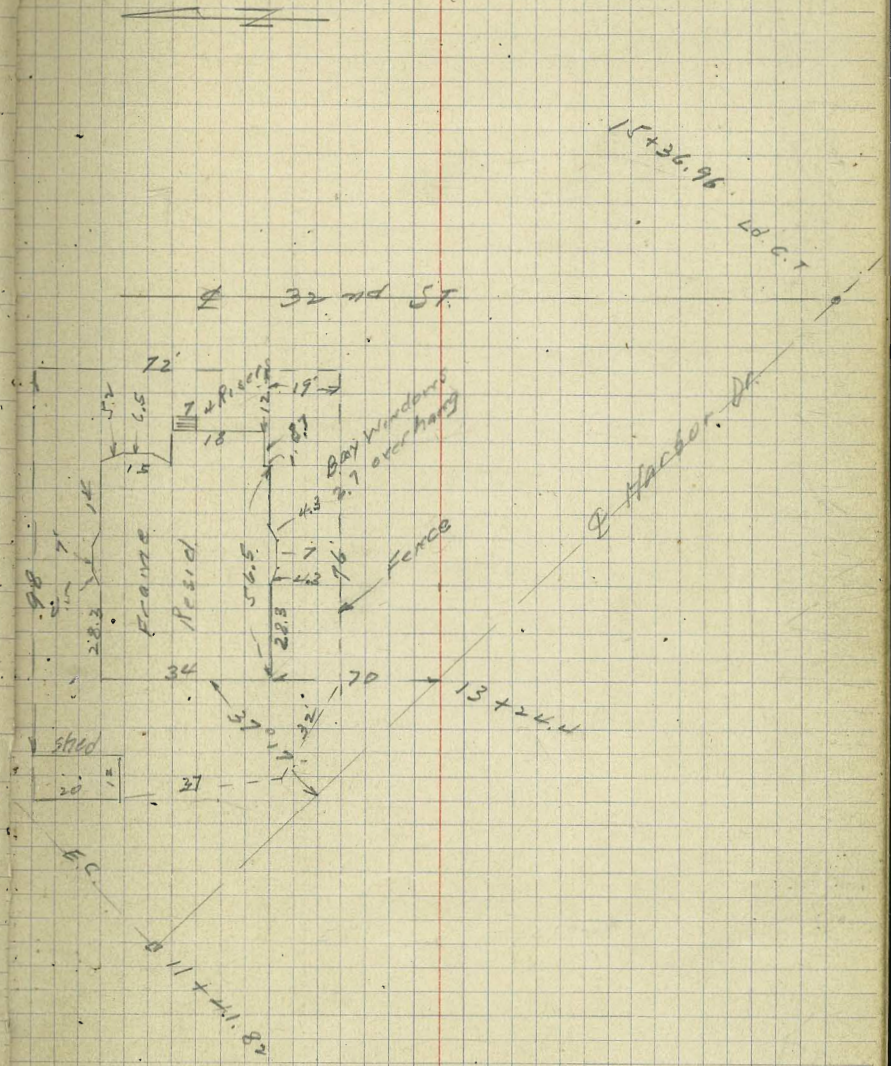
15+36.96 Set Ld+C.T. ℄ 32nd St.

11+41.82 E.C.

7+18.85 B.C. Lt.



Location of Brewmaster's Resid.
S.D. Brewery Prop.



23 + 21.85 EC.

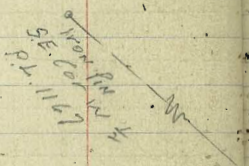
Δ = 13°18'30" Lt.

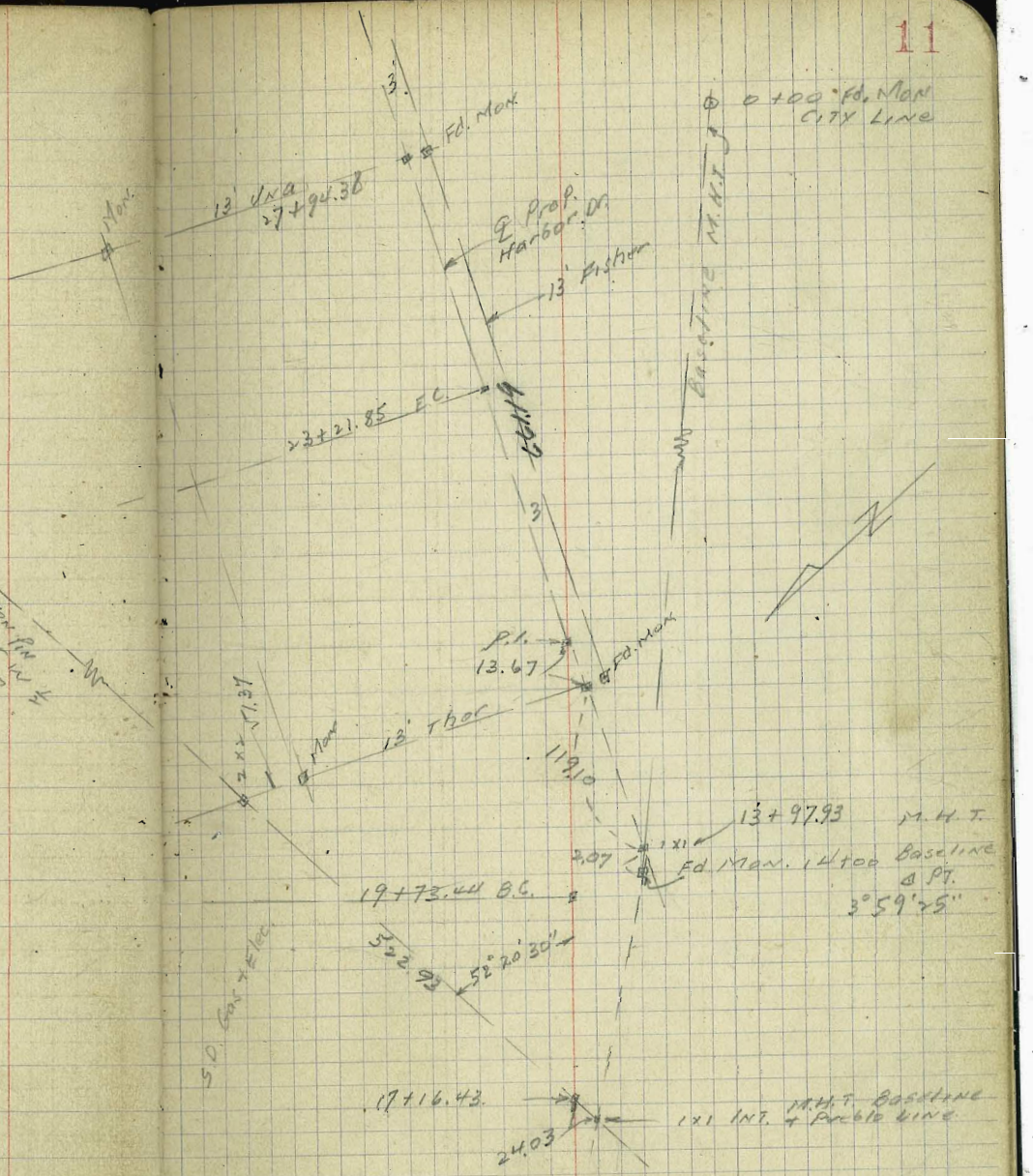
D = 1500

T = 174.99

L = 348.44

19 + 73.44 BC Lt.

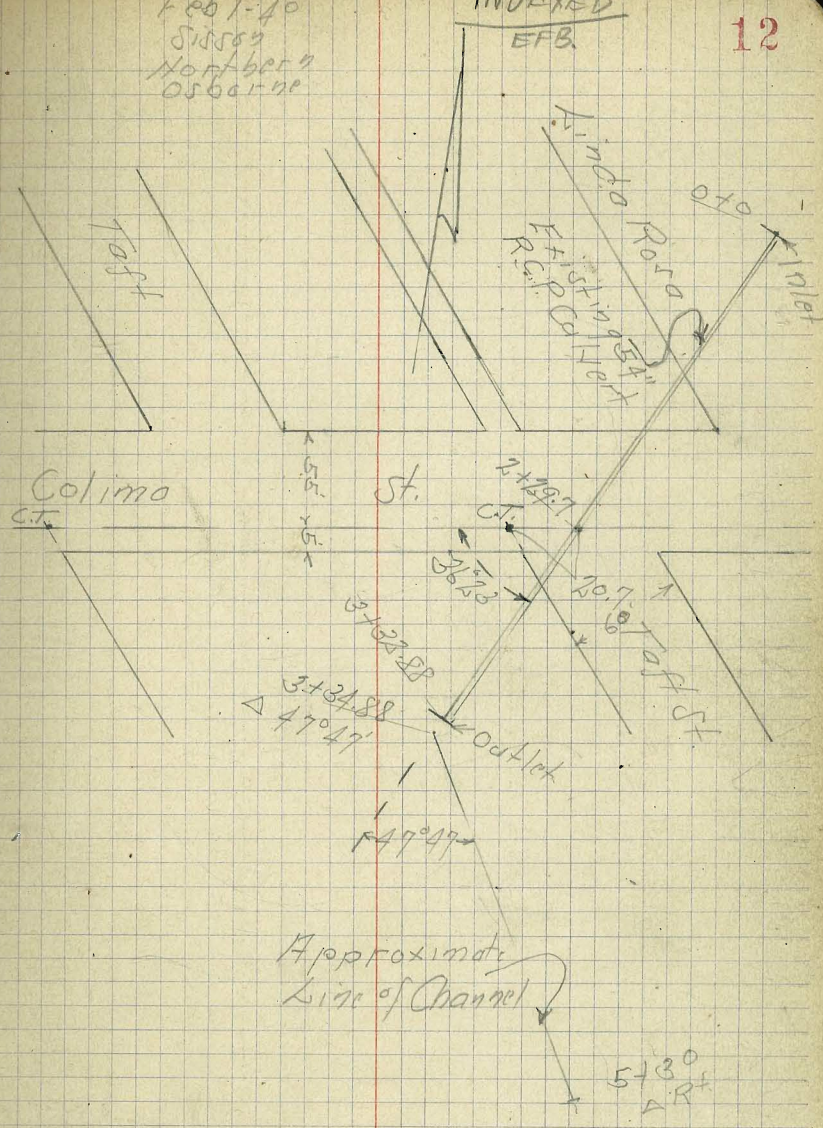




Location 54" R.C.P. Culvert
Colima & Taft.

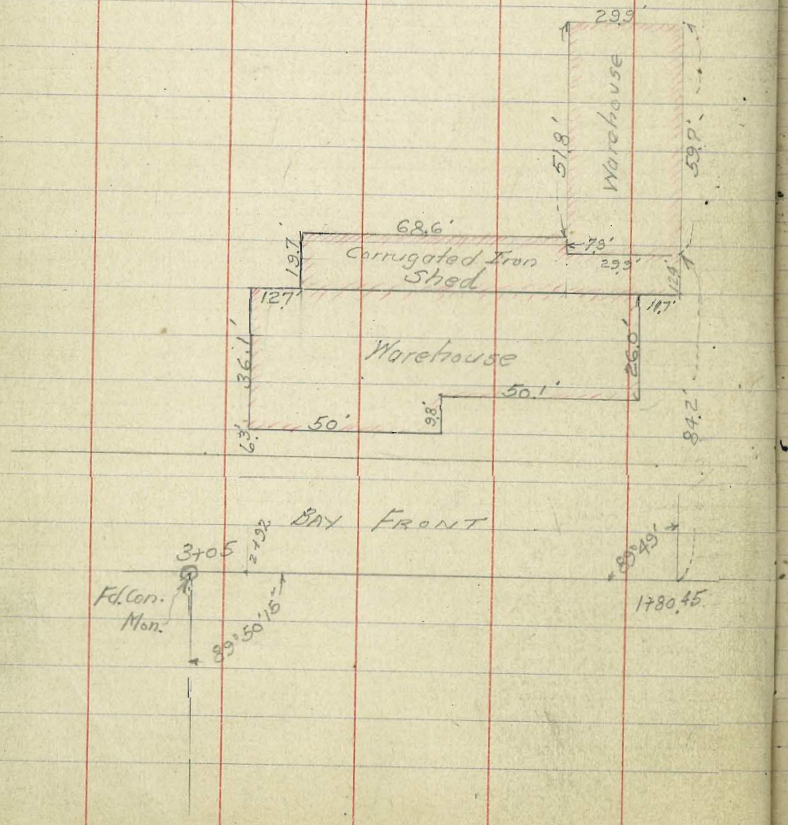
Feb 1-10
Sisson
Northern
Osborne

INDEXED
EFB.



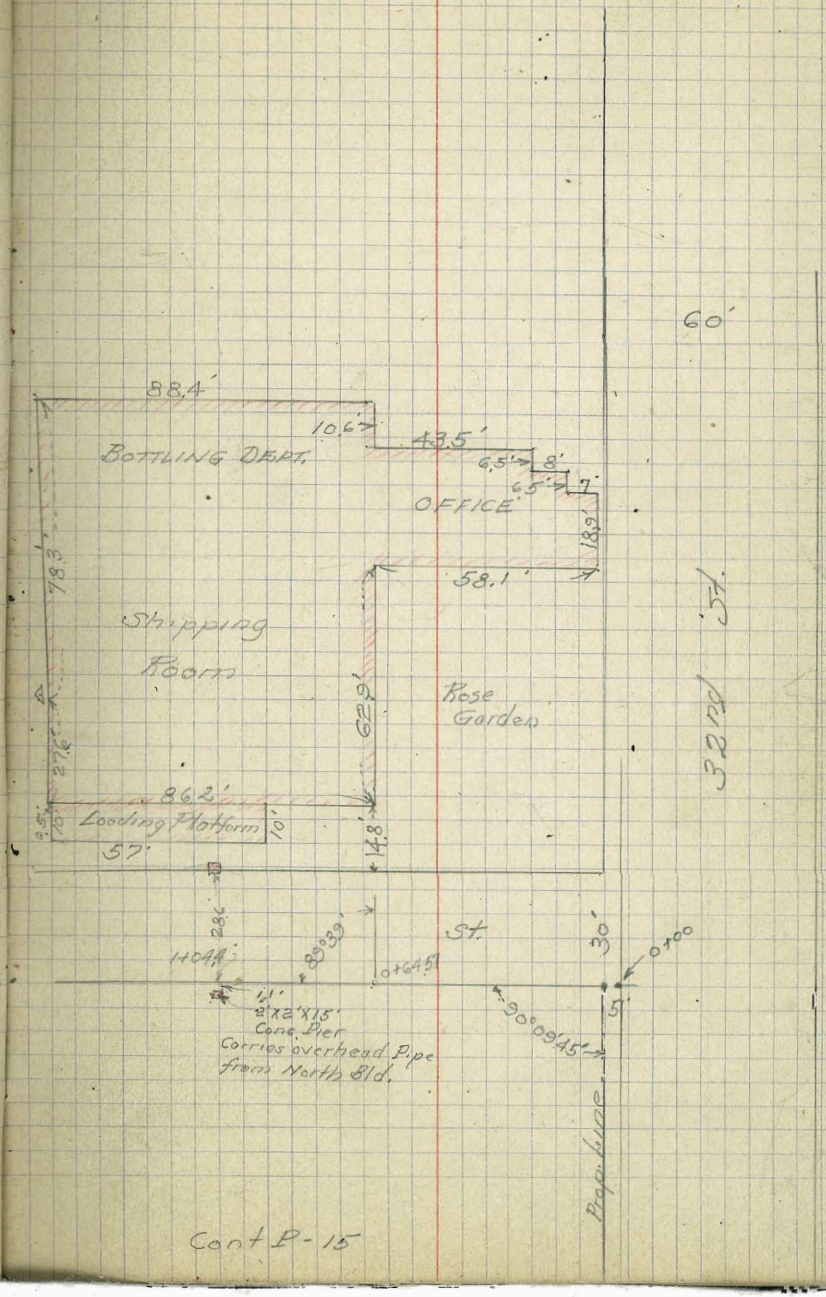
Walker
Bliss
Isbell 12-14-40

Location of Buildings
32nd and Bay Front Street.



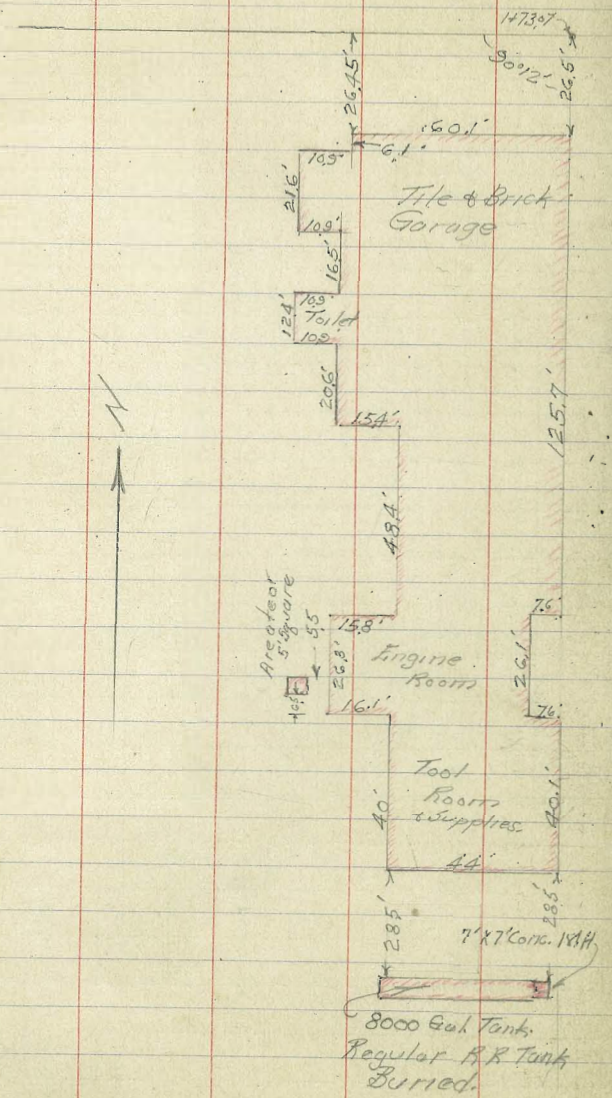
INDEXED
EFB

14

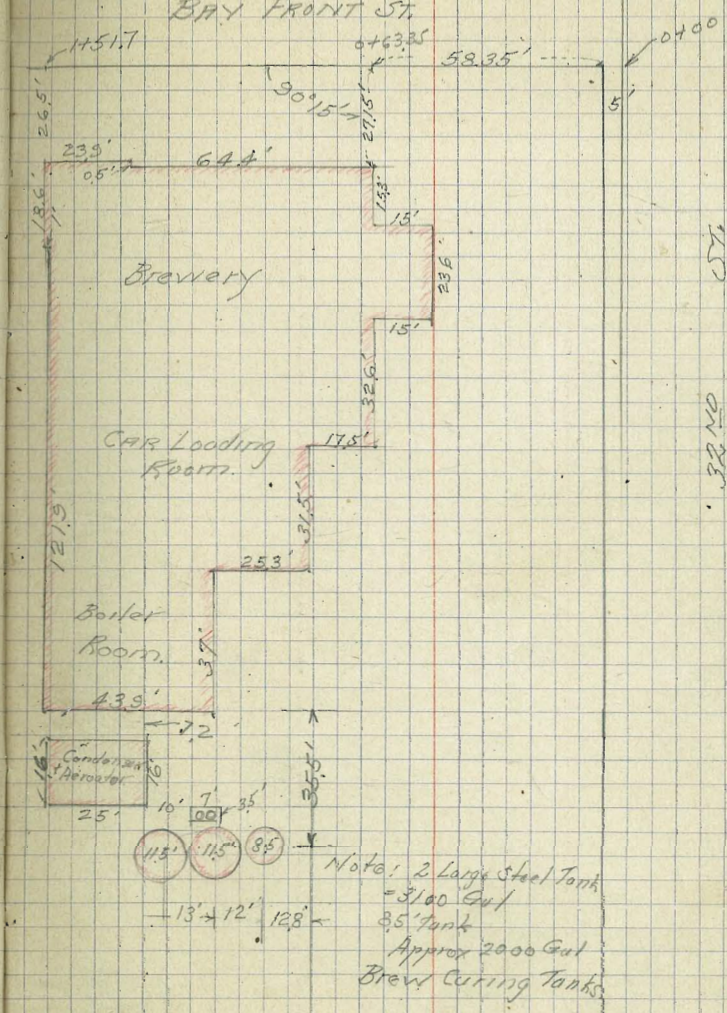


Cont P-15

Location Brewery Bldg.
32 ND And Bay Front.
Cont. from P-14

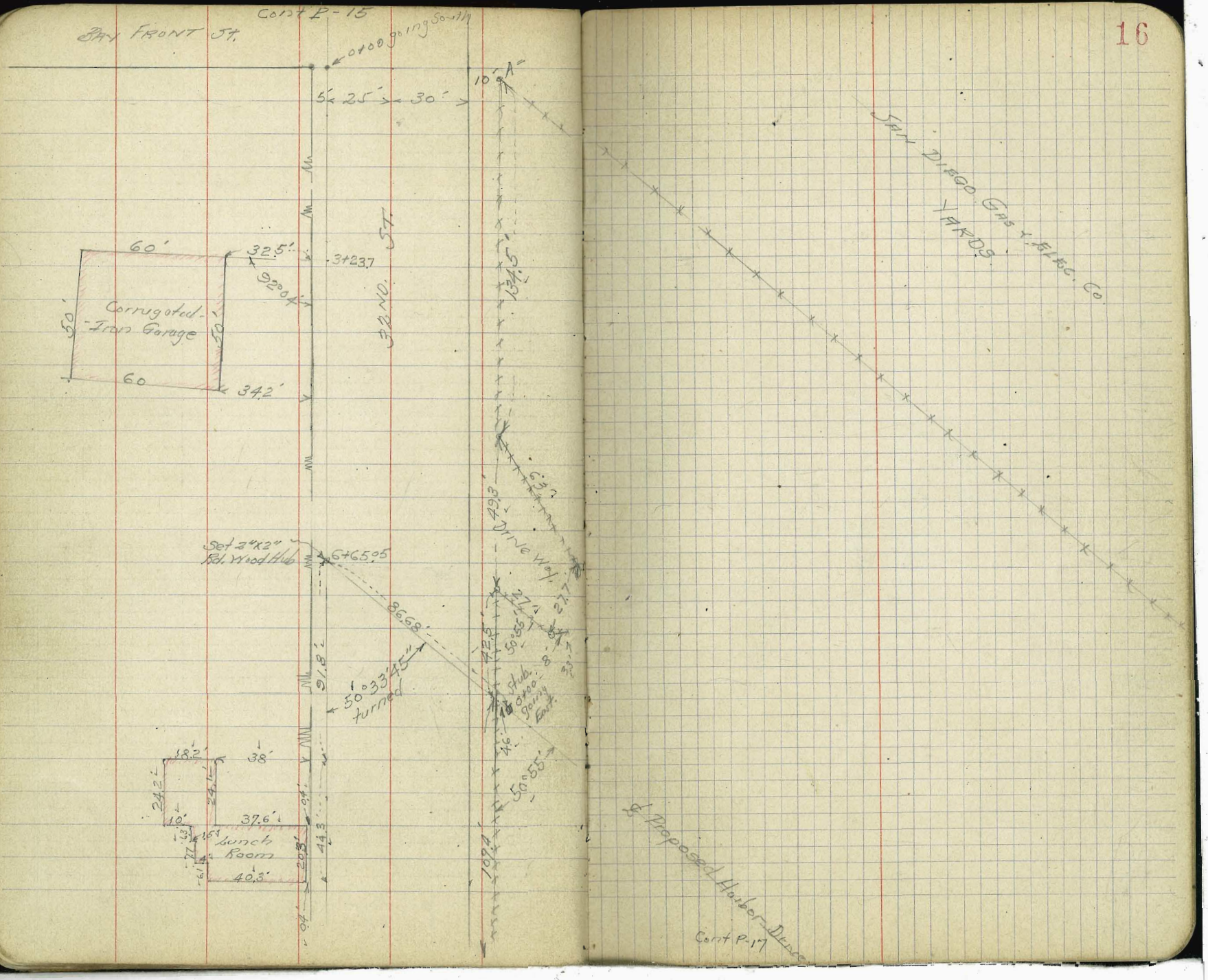


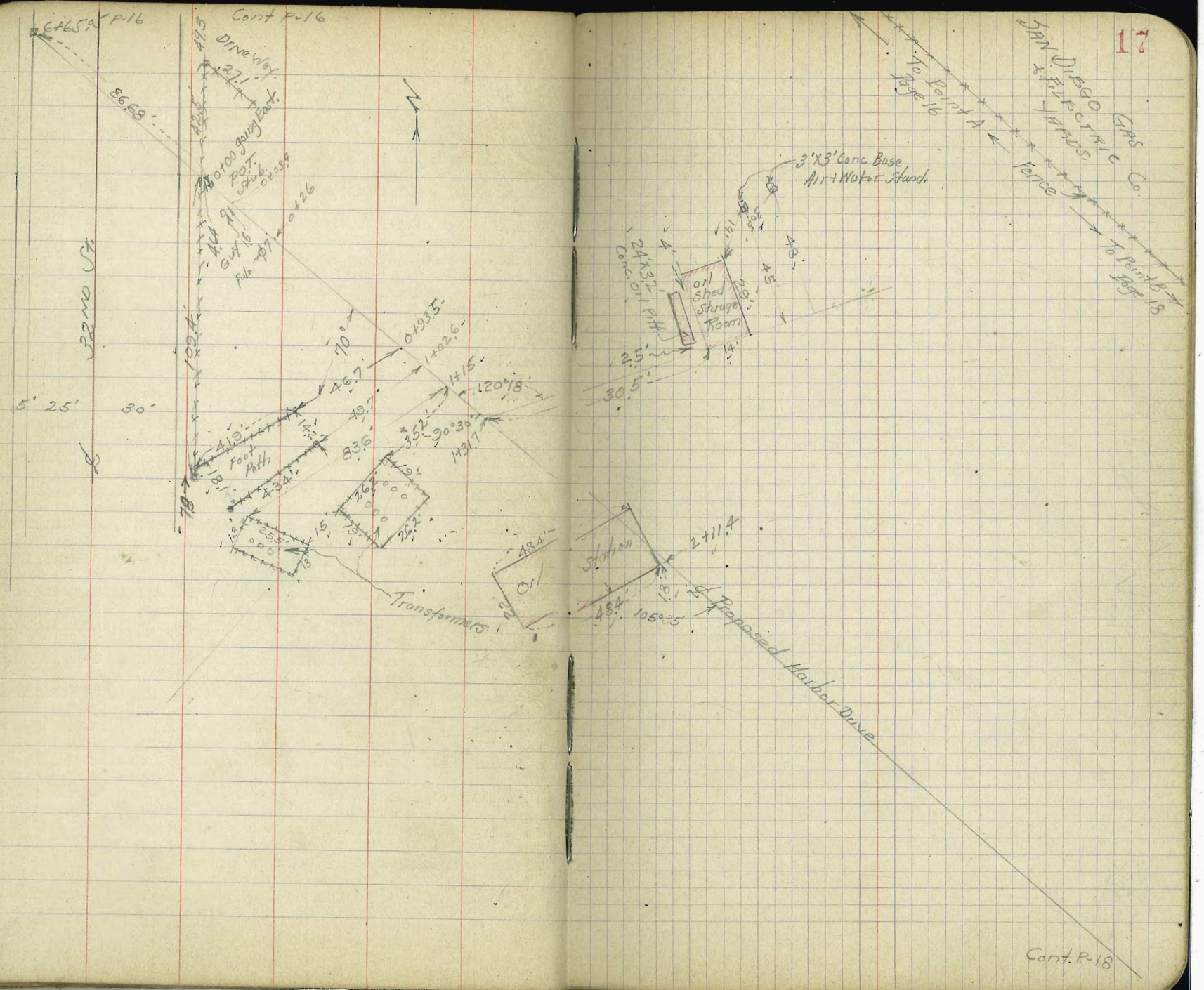
Cont P-14

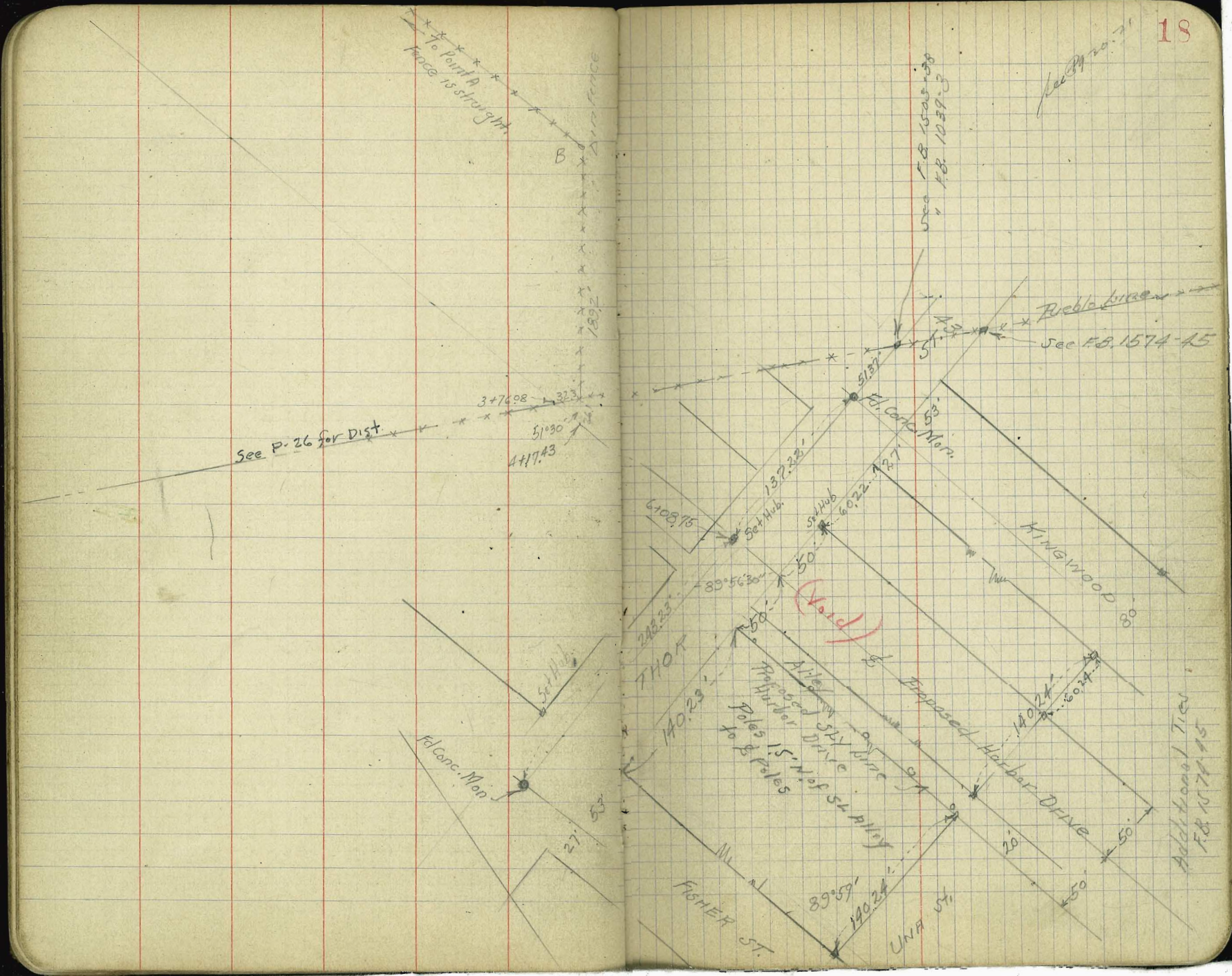


Cont P-16

Cont P-15


BAY FRONT ST.
0+00 going South
10°
5'
25'
30'
60'
32.5'
3+23.7
32 NO. 5T.
Corrugated Iron Garage
50'
50'
60
34.2'
Set 2"x2" Ref. Wood Hub
6+65.05
86.68'
91.8'
50°33'45" turned
18.2'
38'
24.2'
24.1'
37.6'
10'
Lunch Room
40.3'
20.3'
44.3'
10+74
49.8'
DRIVE Way
27.7'
42.5'
50°55'
8
33'
Stub 0+00 going East
46'
50°55'
SAN DIEGO GAS & ELEC. CO.
TANKS
Proposed Harbor Drive
Cont P-17


6+65.9
Cont P-16
Cont P-16
Drive W/Cr.
27.1'
86.68'
To 700 gallon pot.
32nd St
5'
25'
30'
102.4'
70°
0+93.5
1+02.6
1+15
120°18'
46.7'
49.7'
90°38'
143.7'
35.2'
41.9'
Foot Path
83.6'
43.4'
18.1'
26.2'
Transformers
48.4'
Oil
Station
2+11.4
105°35'
Proposed Harbor Drive
3'X3' Conc. Base Air+Water Stand.
24'X32' Conc. Oil Path
Oil Shed Storage Room
48'
45'
29'
14'
2.5'
30.5'
To Point A Page 16
San Diego Electric Gas Co. Fence
To Point B Page 18
Cont. P-18


To point A
Fence is straight
B
Line Fence
189.2'
3+76.08
323'
51°30'
4+17.43
See P. 26 for Dist.
Set Hub.
Fd Conc. Mon.
27'
53'
See FB 1545-38
FB 1039-3
See Pg no. 1
Reblabrina
See FB. 1574-45
51.32'
Fd. Conc. Mon.
53'
137.33'
27'
6+08.75
Set Hub.
Set Hub
6022'
KINGWOOD
30'
50'
89°56'30"
(Void)
240.23'
50'
THOR
140.23'
Proposed Harbor Drive
Alley
Proposed 5th Ave. Drive
Poles 15' N of 5th Alley
to 8 Poles
140.24'
6024'
20'
50'
89°59'
140.24'
FISHER ST.
UNA ST.
Additional Ties
FB 1574-45

Walker
Bliss
Webb
12-21-40

Harbor Drive Alignment

Proposed change in Alignment from 32nd to Natl. City

20+00

19+00

$\Delta = 29°11'40''$
$\ell R = 1150$
ℓ S.T. 299.48'
$\ell L = 585.97'$
} changed See Notes below

18+00

$\Delta = 29°11'20''$
$\ell R = 1150$
ℓ ST. 299.43'
ℓ L 585.86

17+33.12 = B.C. ℓ St.
+33.07 = ~~B.C. ℓ St.~~ = Stub P.O.T.

17+00

16+00

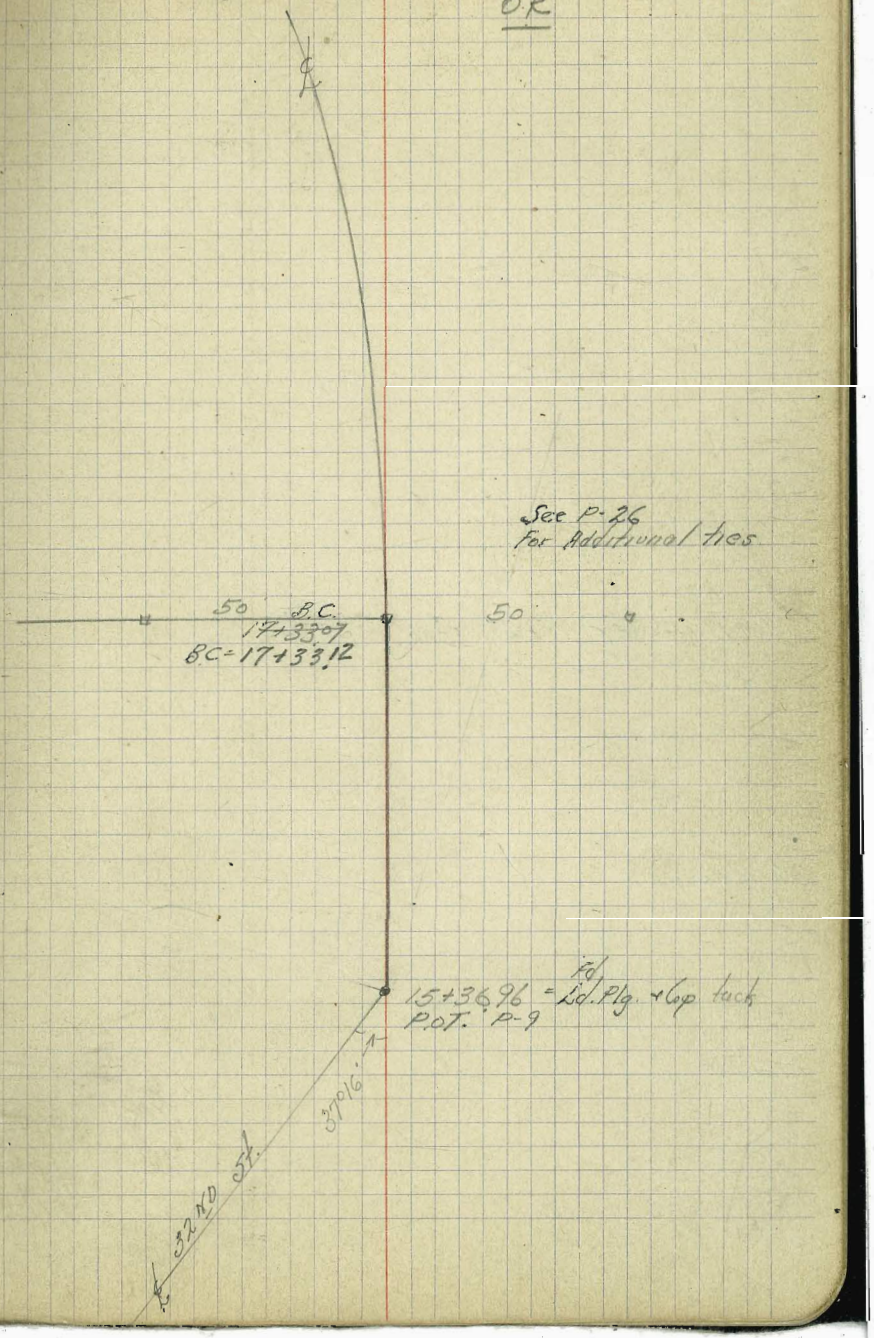
15+36.96 = P.O.T. Page 9 = Ld. Plug C.T. ℓ 32nd

INDEXED
EFB

20

OK

See P-26
For Additional ties



Harbor Drive Alignment
Cont. from P 20

Station

26+00

25+00

24+00

~~+19.04 = EC~~ = P.O.T. Stub.
23+18.98 = EC

23+00

22+00

21+00

℄

OK

N 15°53'20" W 85.32' to P.I.

~~23+19.04~~
23+18.98 E.C.

N 74°09'40" E

.09

Thor St.

74°09'40"

15°53'20"

Set Hub

BIA Cor.

85.32'

P.I. 20+32.55
Δ = ~~29°11'40"~~
Δ = 29°11'20"

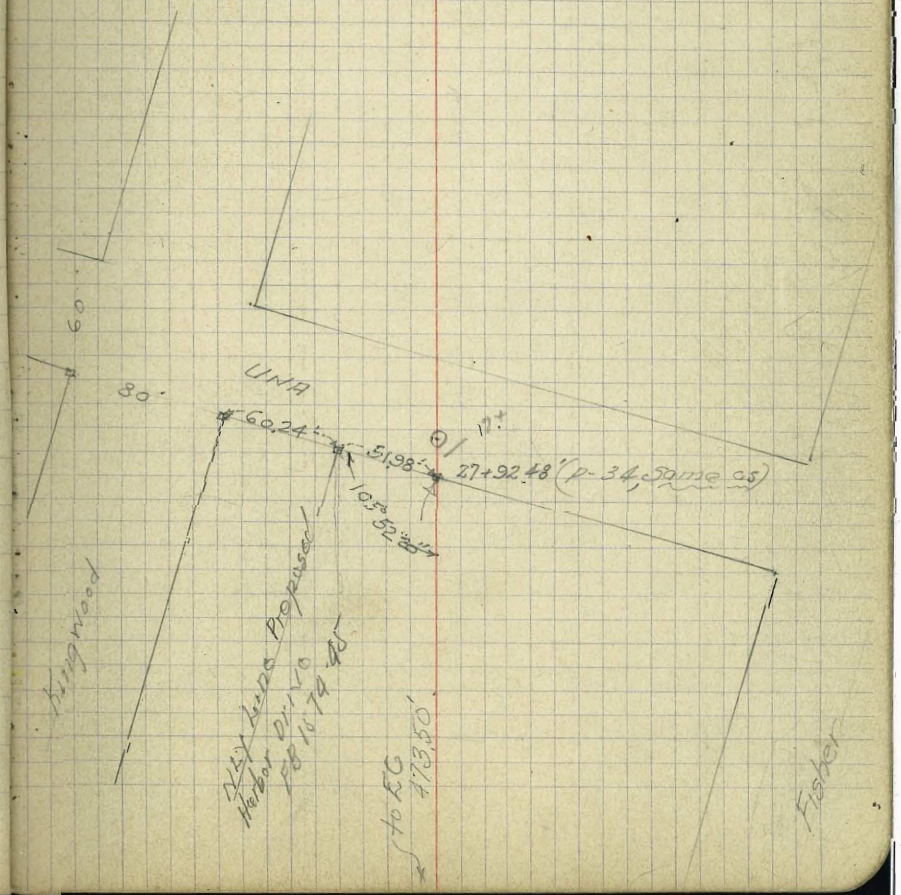
Harbor Drive Alignment
Copy from p. 21

Station	Align	Def Δ
32+00		
~~31+55.9 = B.C. Rt.~~		
31+00		
30+71.68	B.C. Rt.	
30+00		
29+00		
27+92.48 = P.O.T.		
27+00		

℄

OK

22



Harbor Drive Alignment + Ties
Cont. from P. 22

Station
37+00
36+00
35+00
34+00
33+00

FB 572 Harbor Drive Alignment & Ties

41+00

40+00

OK

Δ = 48°19'40"
℄ R = 1722.50'
℄ ST = 772.82
℄ L = 1452.89

Please check

Plus = Δ = 48°19'40" / ℄ R = 1584.73' / ℄ ST = 688.59' / ℄ L = 1294.51'

39+00

Set Paving Stake in edge of Water.

38+44.50 = P.T. Δ Rt. 48°19'40"

38+00

37+00

Platted on tie sheets C.S.K.

24

Fd. Conc. Mon. 2' deep.

Cleveland Ave

Fd. Conc. Mon.

Fd. Conc. Mon.

Void. Harbor Drive Proposed.

Harrison

Triangulation Point

Arthur

Kingswood

Page 40 = "A"

Fd. Con. on line of fence overhang 1' from Main face

Desoto Ave

Harbor Drive Alignment & Ties.

Station

45+24.57 = E.C.

45+00

~~44+50.12 = S.C.~~

44+00

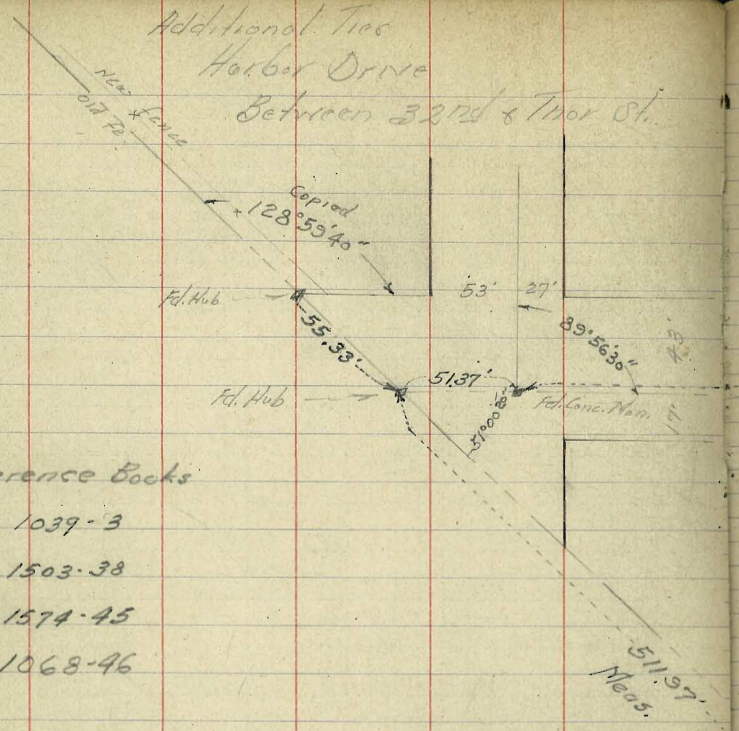
43+00

42+00

Void.

Walker
Moss
Isbell
-213-41

Additional Ties
Harbor Drive
Between 32nd & Thor St.



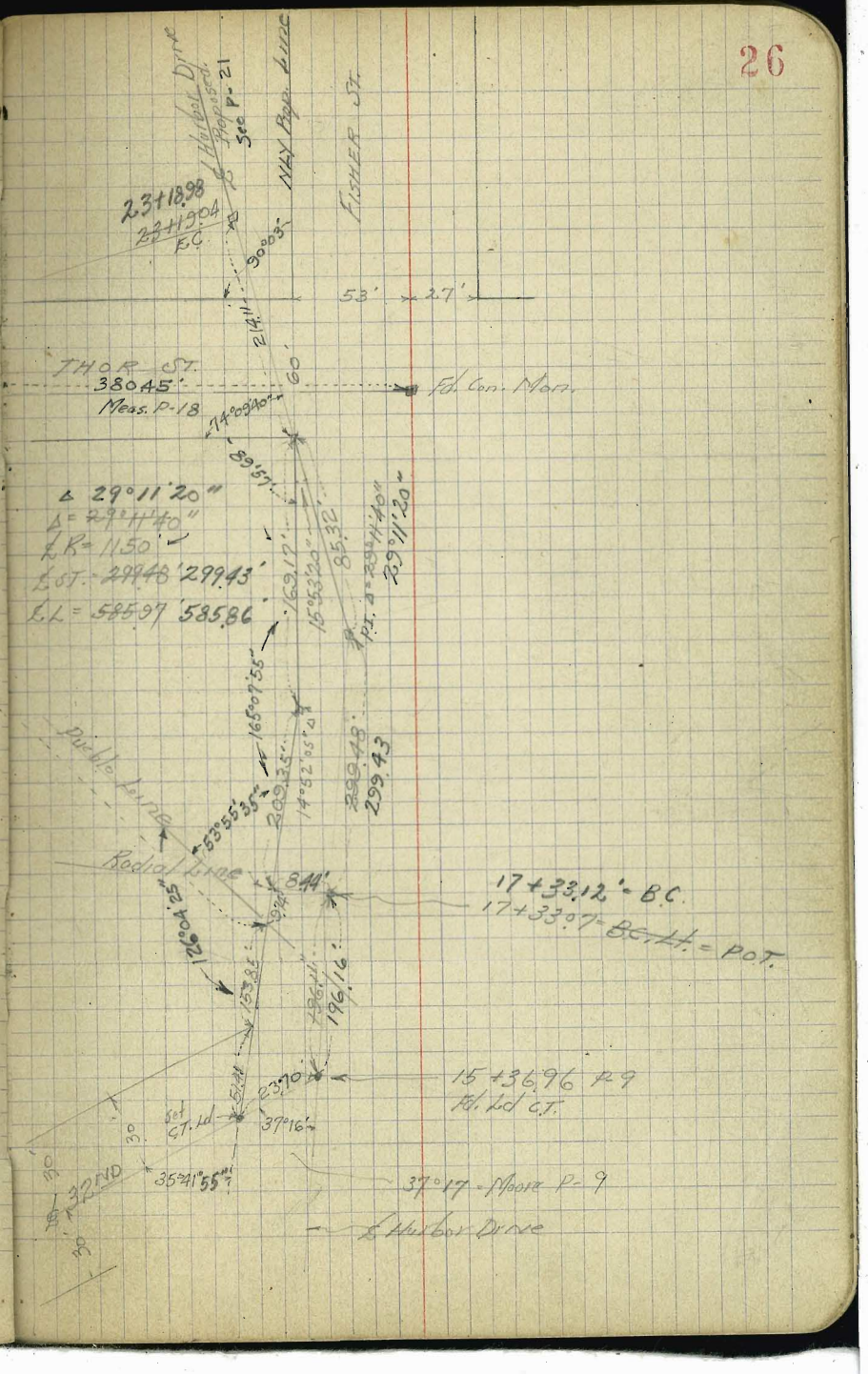
Reference Books

F.B. 1039-3

F.B. 1503-38

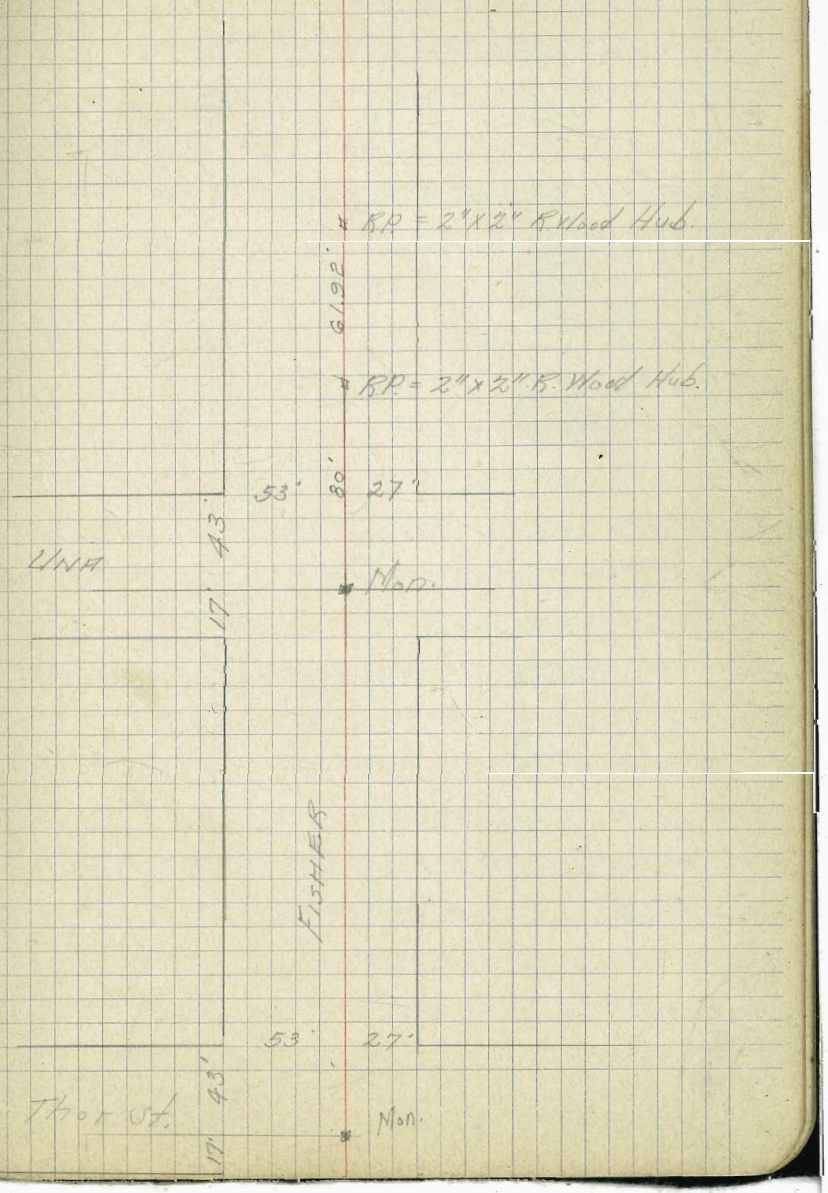
F.B. 1574-45

F.B. 1068-96



Walker
Bliss
Isbell
2-13-41

Reference Points
UNA & FISHER

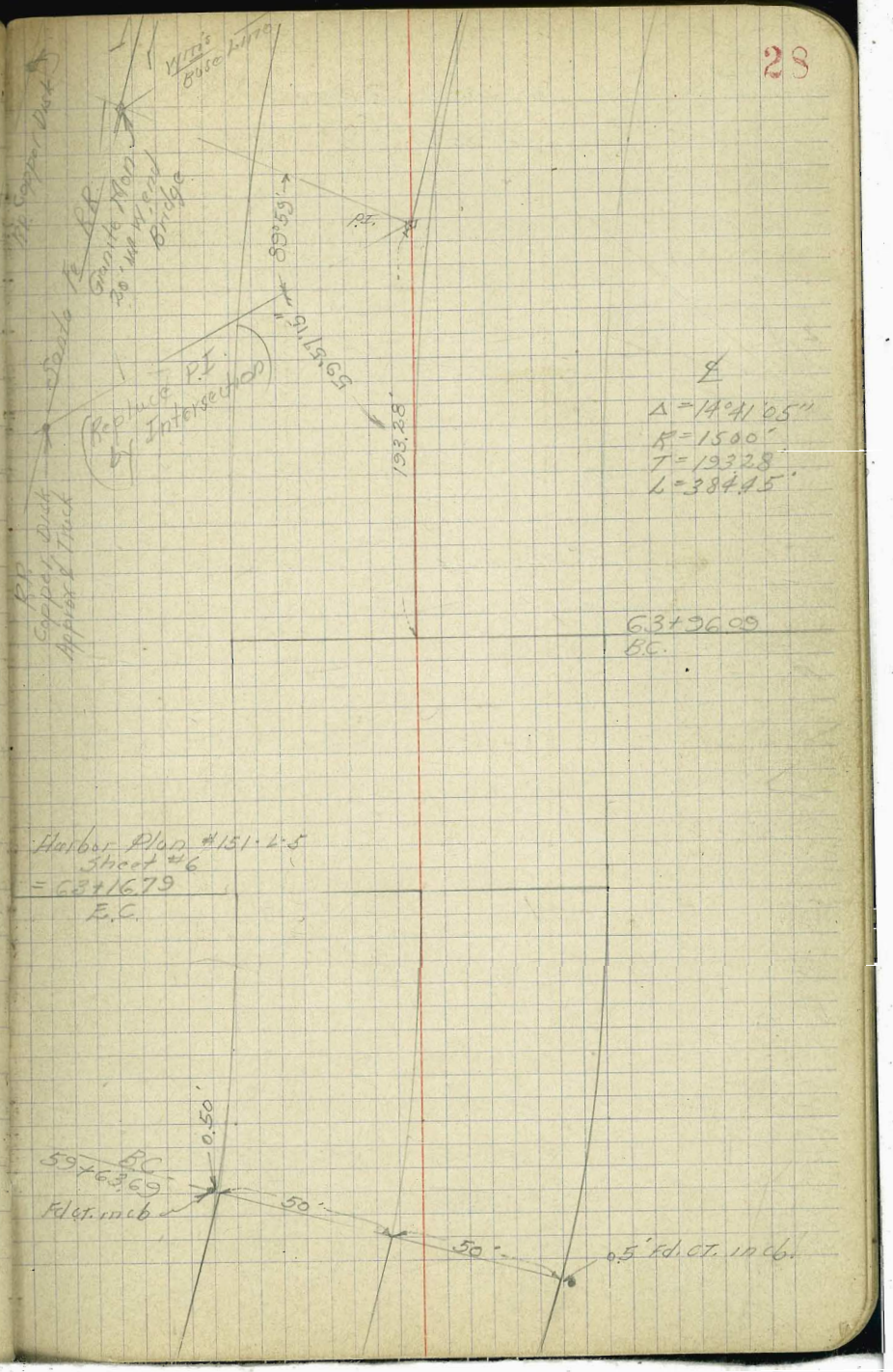


Walker
Bliss
Isbell 3-12-41

Harbor Drive Alignment.

For Cross Sections, See FB 1600-2

+50	4°50.98'	See P. 8-11 - Additional Ties.
66+00	3°53.68'	
+89.38 - P.I. Ramey Stake		Δ = 14°41'05"
+50	2°56.38'	L.R = 1500'
		L.T = 193.28
65+00	1°59.08'	L.L = 384.45
+50	1°01.78'	
64+00	0°4.48'	
63+96.09 = B.C. Lt.		
63+16.79 = E.C.	6°44.62'	
63+00	6°25.34'	
+50	5°28.05'	
62+00	4°30.76'	
+50	3°33.47'	Δ 13°29'15"
61+00	2°36.18'	L.R = 1500'
+50	1°38.89'	L.T = 177.37'
60+00	0°41.6'	L.L = 353.10'
59+63.69 = B.C. Lt.		

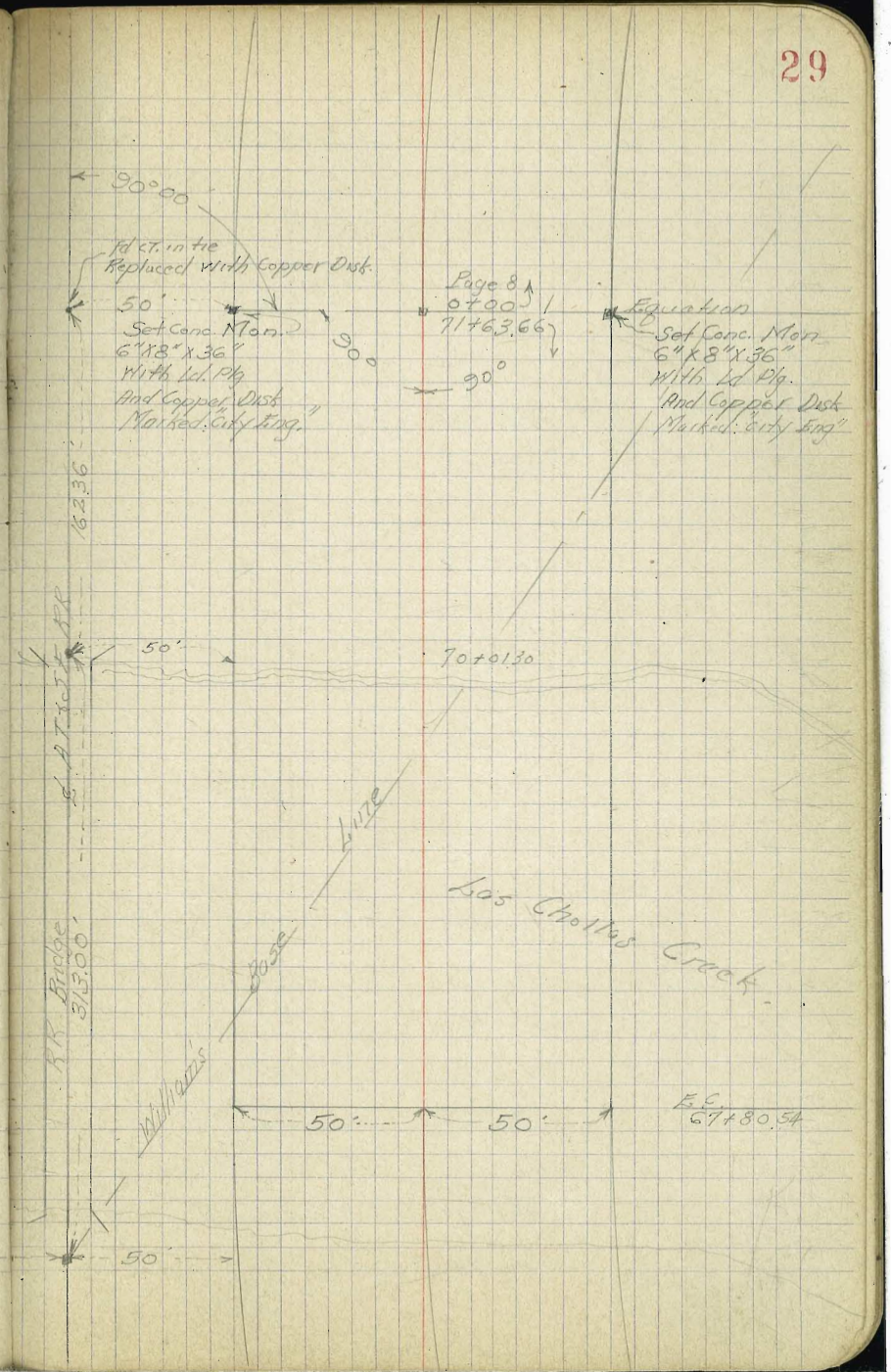


Harbor Drive Alignment

& Cross Sections

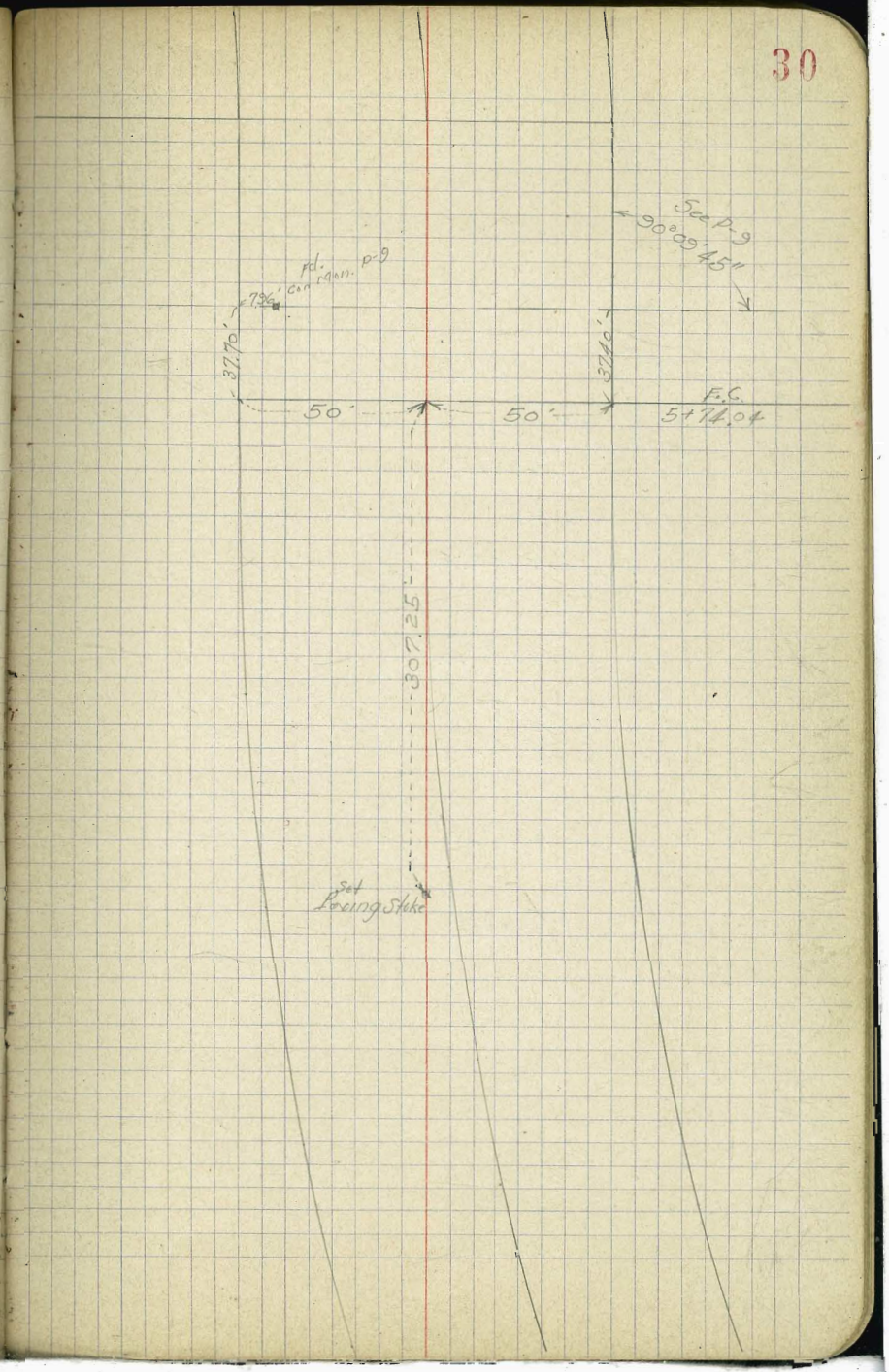
1+00		4°24.44
0+50		2°12.22
0+00	B.C. Eq.	
71+63.66	Equation	
+50		
71+00		
70+00		
69+00		
68+00		
67+80.54 = E.C.		7°20.56'
+50		6°45.58
67+00		5°48.28'

Fd. Monument



Harbor Drive
Alignment

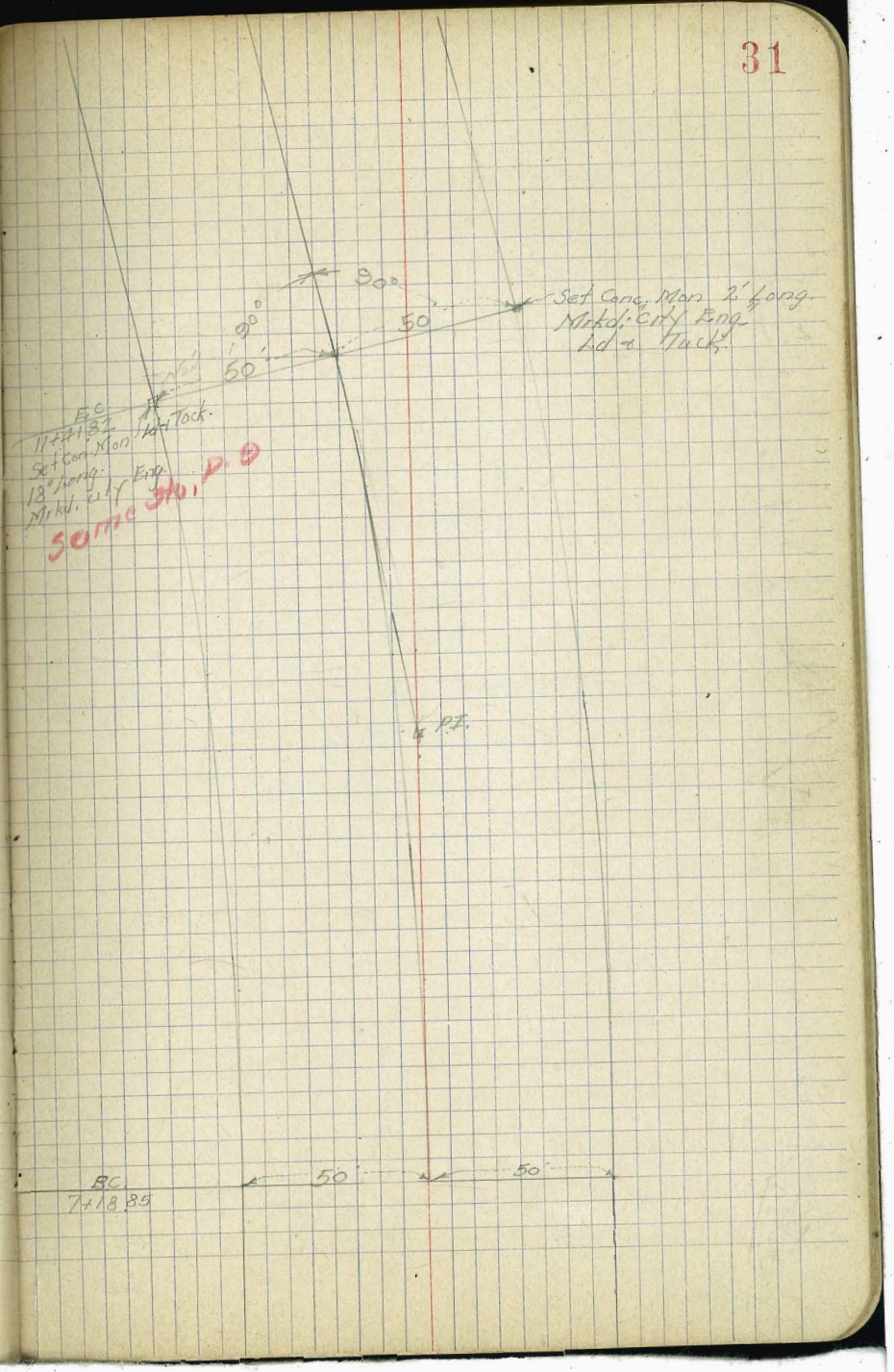
7+00			
6+00			
5+74.04 = P.C.		2.5° 18.0'	
+50		24° 14.42'	
5+00		22° 02.2'	
+50		19° 49.98'	
4+00		17° 37.76'	
			Δ 50° 36'
+50		15° 25.54'	R = 650'
			T = 307.25'
3+00		13° 13.32'	L = 574.54'
+50		11° 01.10'	
2+00		8° 48.88'	
1+50		6° 36.66'	



Harbor Drive

Alignment

12 + 00		
11 + 41.87 = E.C.	18° 38.50'	
11 + 00	16° 47.91'	
+ 50	14° 35.69'	
10 + 00	12° 23.47'	
		Δ = 37° 17'
+ 50	10° 11.25'	R = 650'
		T = 219.27
9 + 00	7° 59.03'	L = 422.97
+ 50	5° 46.81'	
8 + 00	3° 34.59'	
+ 50	1° 22.37'	
7 + 18.85 = B.C. L.L.		



Harbor Drive

Alignment

℄

18+00

1°39.96'

Δ = 29°11'20"

℄R = 1150'

℄S.T. = 299.43'

+50

0°25.23'

℄L = 595.86

+33.12 = B.C. Lt.

17+00

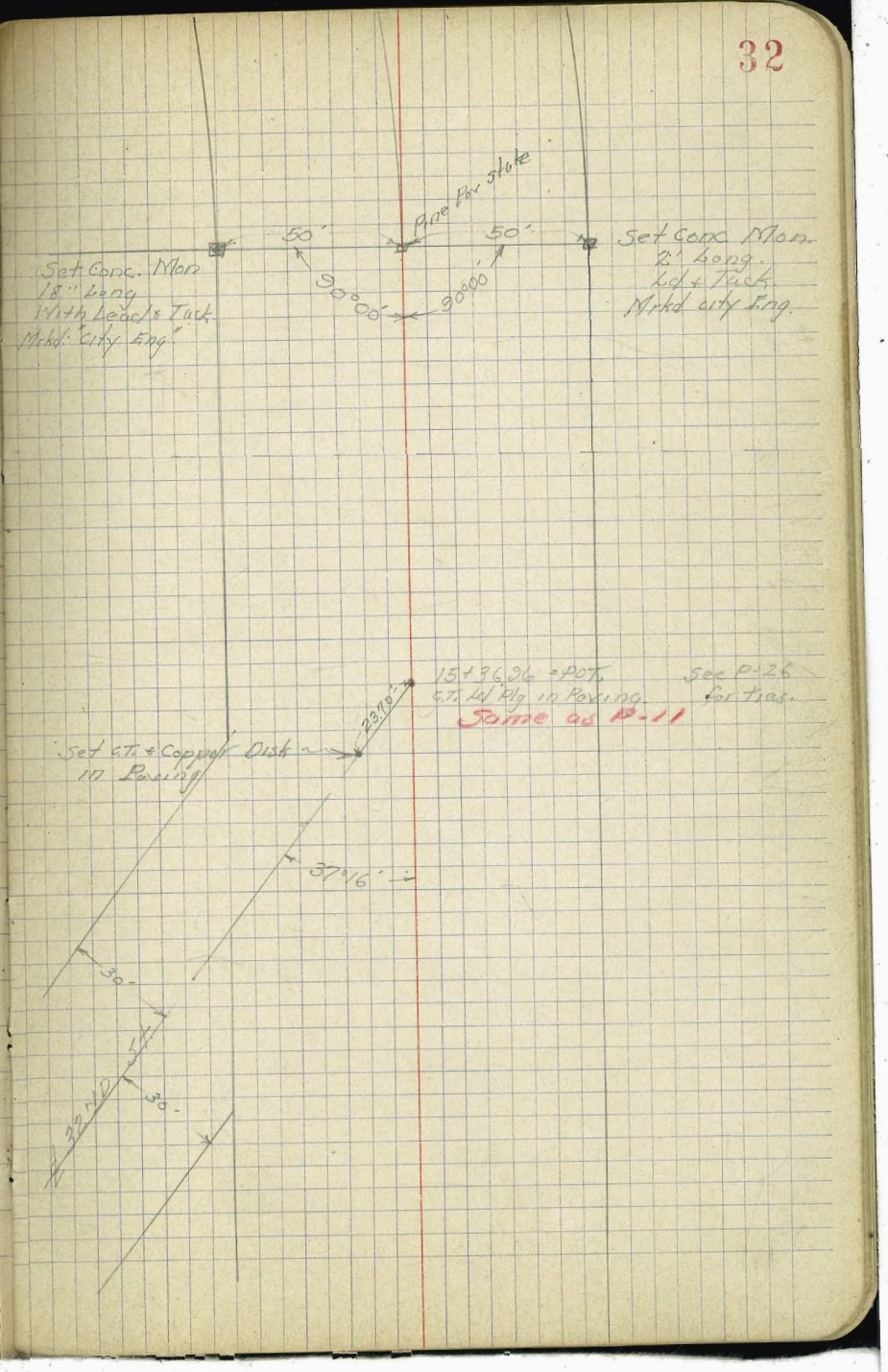
16+00

+36.96 = P.O.T. ℄ and ⊥ Lt.

15+00

14+00

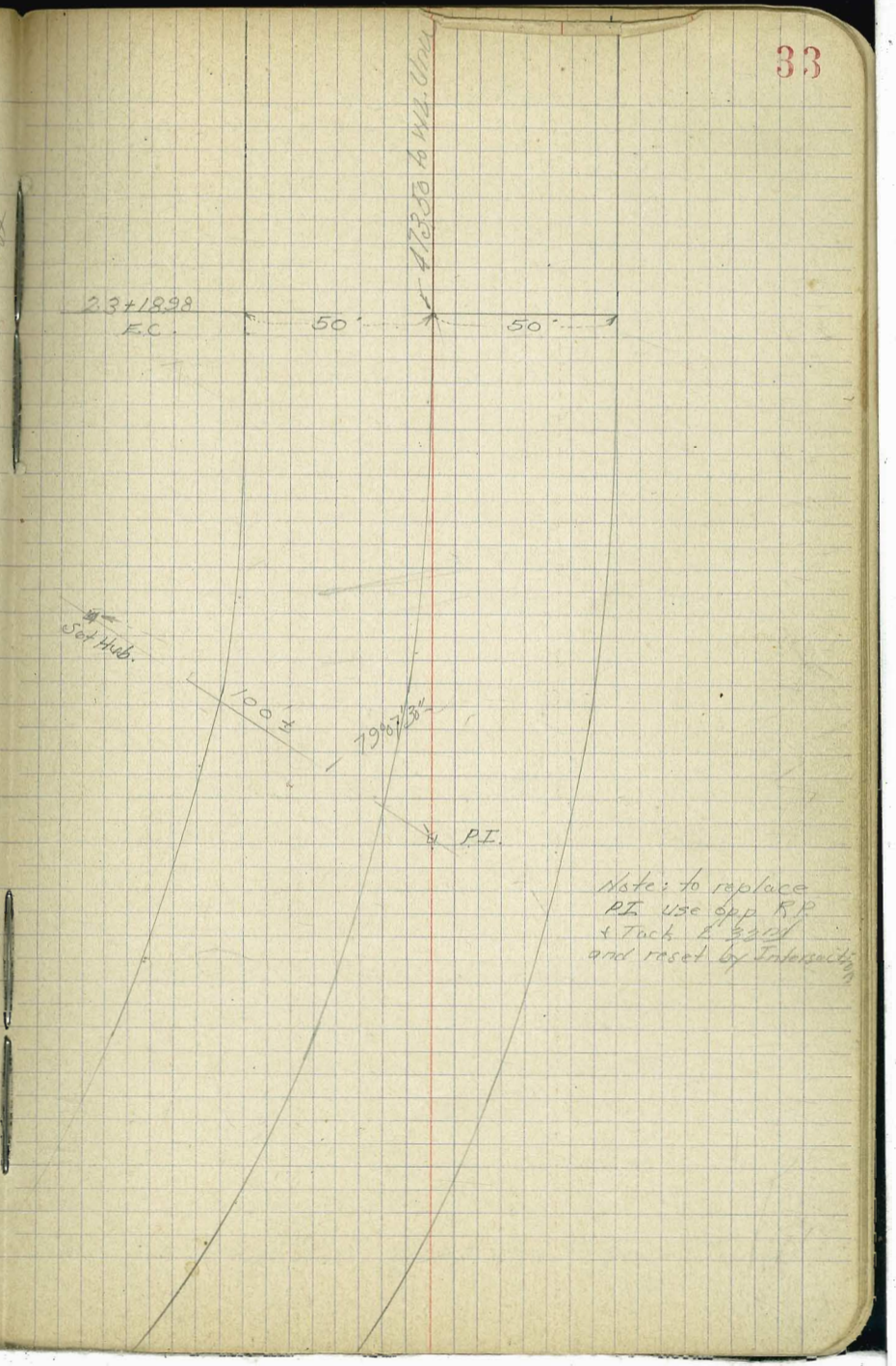
13+00



Harbor Drive

Alignment

24+00		
23+18.98=E.C.	14°35.65'	
23+00	14°07.26'	
+50	12°52.53'	
22+00	11°37.80'	Δ=29°11'40"
		D=11°50'
+50	10°23.07'	T=299.43'
		L=585.86'
21+00	9°08.34'	
+50	7°53.61'	
20+00	6°38.88'	14947'-def per ft.
+50	5°24.15'	
19+00	4°09.42'	
+50	2°54.69'	



Harbor Drive
Alignment

30+00

29+00

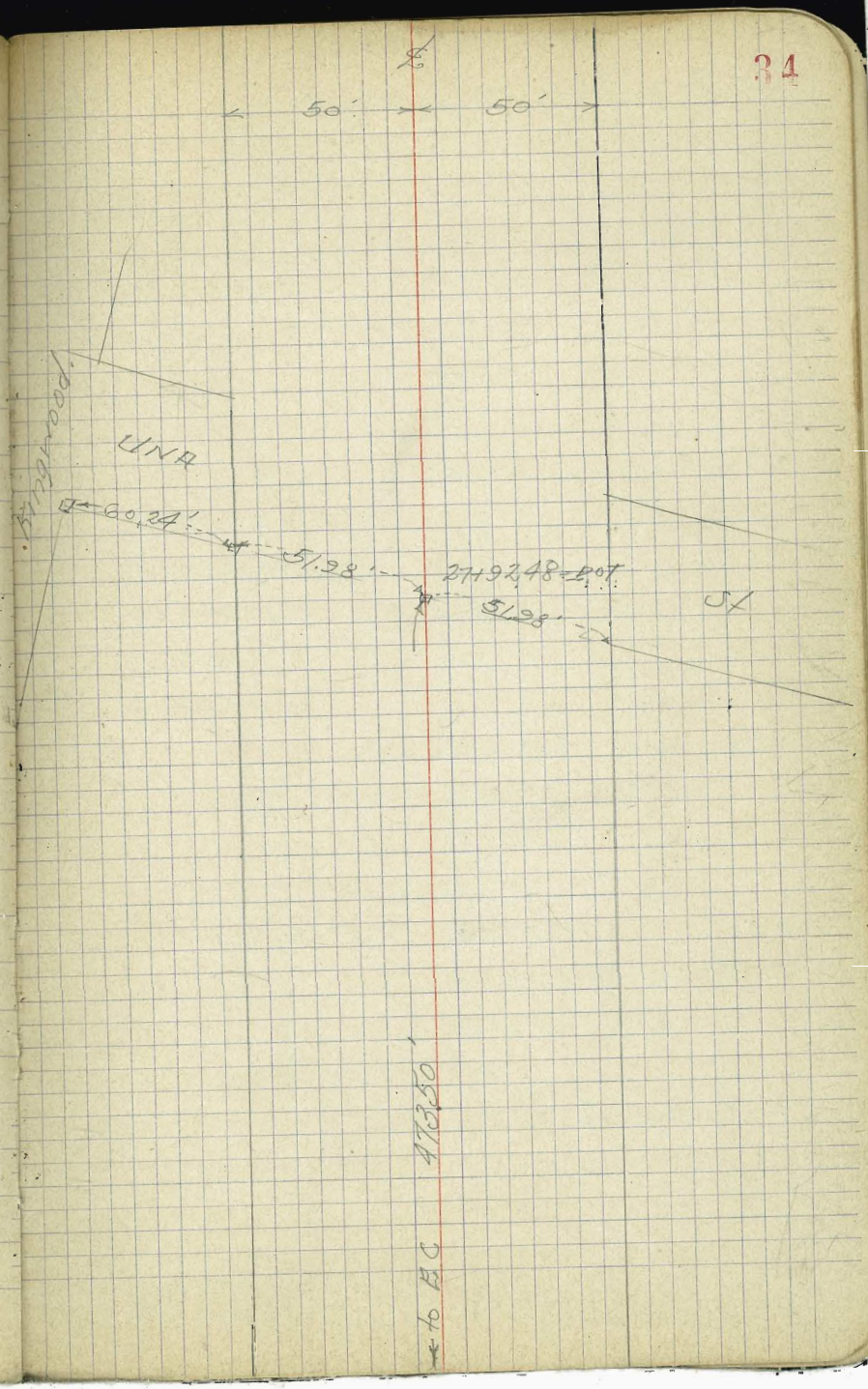
28+00

27+92.48 = POT W.L. UNA St. Page 22

27+00

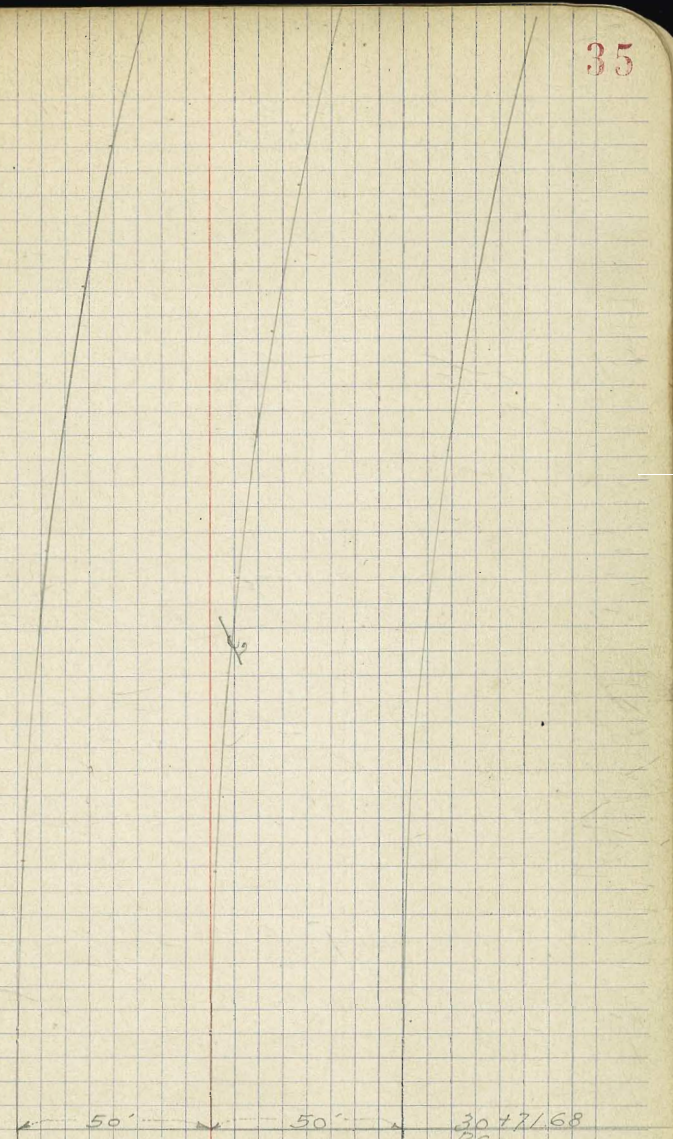
26+00

25+00



Harbor Drive
Alignment

+50		9°37.02'	
36+00		8°47.13'	
+50		7°57.24'	
35+00		7°07.35'	
			Δ 48°19'40"
+50		6°17.49'	℄R=1722.50'
			℄T. 772.83'
34+00		5°27.60'	℄L=1452.89'
+50		4°37.71'	
33+00		3°47.82'	
+50		2°57.93'	
32+00		2°08.04'	0°49.89' = 50'
+50	5147 = 66/50'27.	1°18.15'	
31+00	2913 = 66/50'27.	0°28.26'	
30+71.68 = BC Ahd			



Harbor Drive

Alignment

43+00		20°25.59'
+50		19°35.76'
42+00		18°45.81'
+50		17°55.92'
41+00		17°06.03'
40+50		16°16.14'
	Sight on W'LY edge soil Pipe Vent at top, on Red roofed House	
	Approx 500'	
40+00	15°26.25'	Set 2"x2" Redwood Hub With Copper Dist
	165.72	
+50	14°36.36'	Conc. Hd. Wall Set C.T. Ld Plg. With Copper Dish
	13°46.47'	
39+00		266.00'
	Set Hub	178.03'
38+44.50	P.I.	12°56.58'
		100'
38+00	12°06.69'	
		100'
		28.534'
+50	11°16.80'	
37+00	10°26.91'	
	Sight on W'LY edge Transformer on Pole	

Old Alignment Harbor

48°19'40" Rt.

P.I. 28+87.40

Conc. Mon

149.30'

Page 24

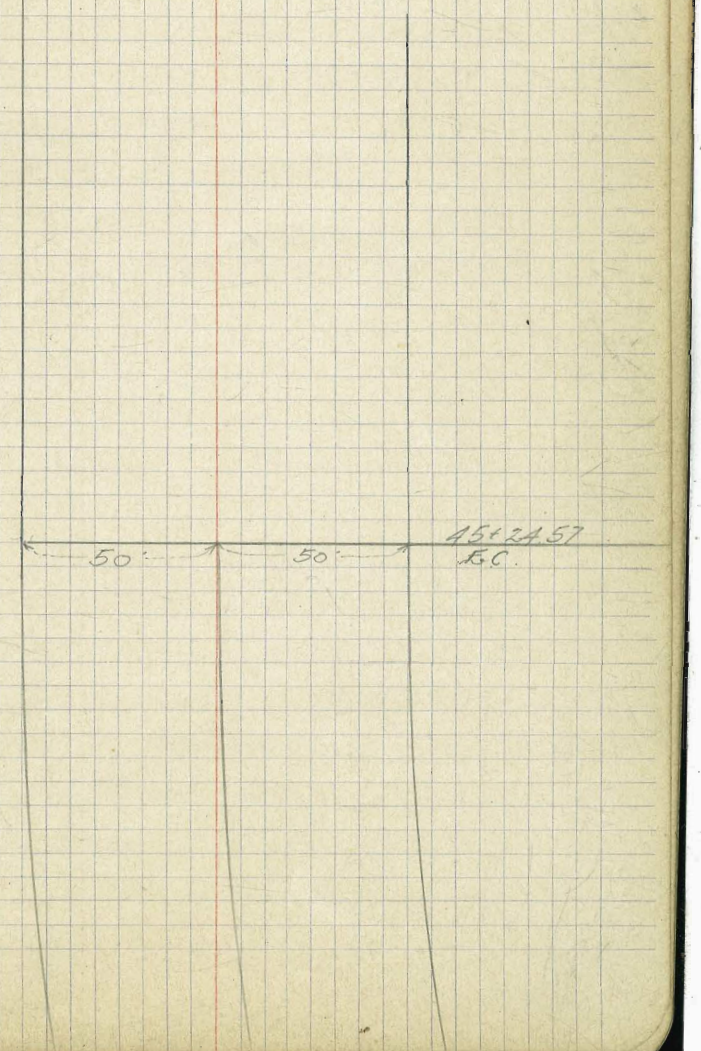
75°15'

Curve

Additional Obs. See P. 24

Harbor Drive
Alignment

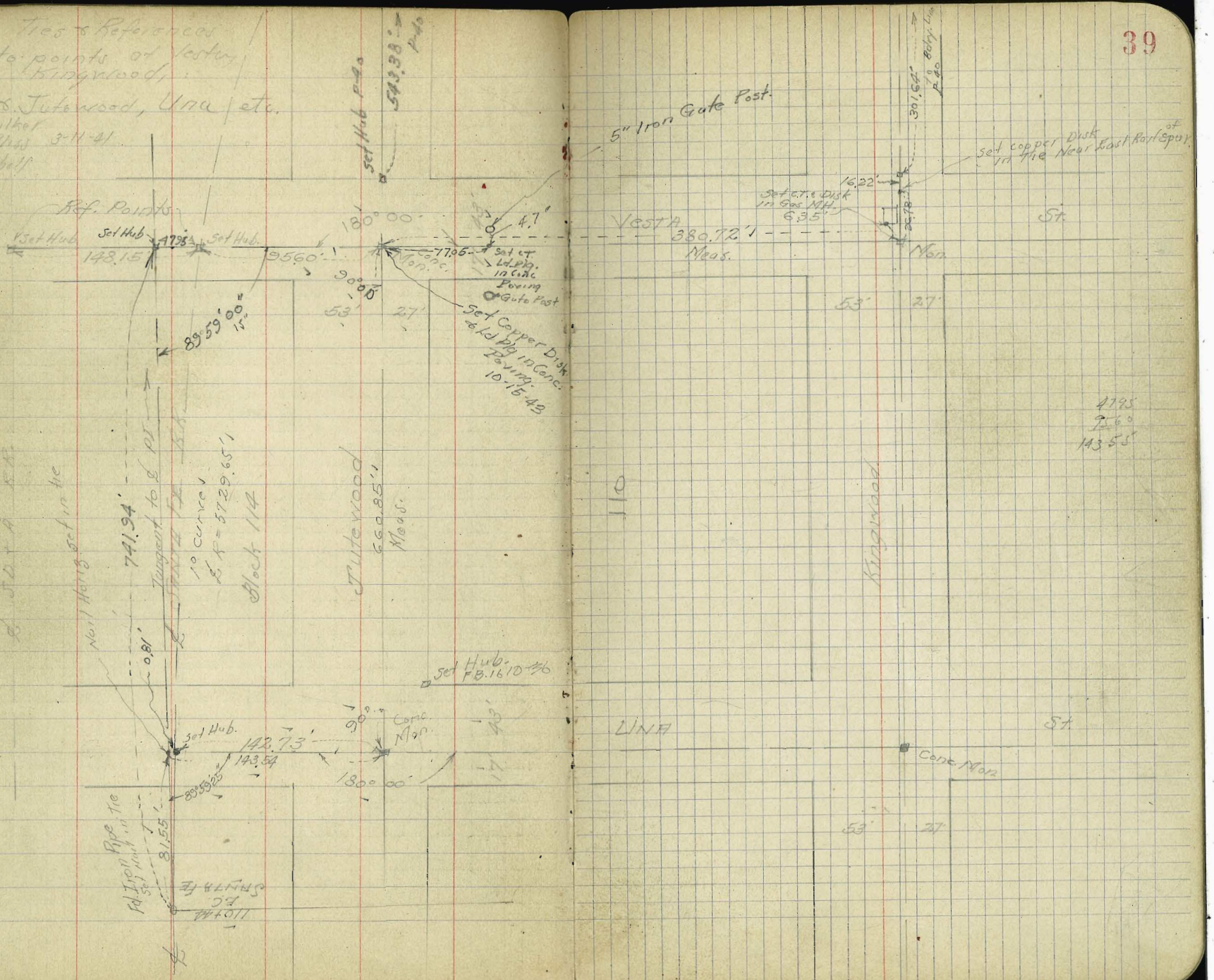
45+24.57 = E.C.	25°39'40"-24'	24°09'83" = Total
	24°09.67'	10"Sec. Error
45+00	23°45.75'	
+50	22°55.26'	
44+00	22°05.37'	
43+50	21°15.48'	



Ties & References to points of Vesta, Kingwood, & Tuttewood, Una, etc.

Walker Bldg 3-11-41 Isbell

Ref. Points



Walker
Isbell
Easterly
O. Forrow
6-2-91

Survey Blk 112, Partition PL. 1168
AND
Ties to Proposed Harbor Drive

Indexed
LM

Platted on tie sheets
C.S.R.
State Sta.
P.C.C = 45+47.54

40

Page 43

Δ = 35°39'
R = 1500'
T = 482.32'
L = 933.31'

Set Copper Disk in existing Mon. which was fd with no point

Set Hub

Set Pine Stake

Harbor Drive

Cleveland Ave.

City Boundary

Mon. under fill
Set Pine stake from R.S. P-36

Fd Conc. Mon. = 14 Page 44

Inaccessible

Offset line

Line

E.C.

State Sta. 54+80.85
Fd Hub

C.R.S.T. Sta. 38+44.50
Page 24
2"x4" Pine Post

Tuttenood St.

Kingwood St.

Vesta

Vina

Mon. Fd.

Set Hub

State Sta. 56+91.62

State Sta. 57+36.56

Cap. Disk in Mon. P-39

See R Points P-39

Dist. 112 Partition PL 1168

660.85' P-39

314.76'

57°35'45"

90°00'

180°00'

53'

27'

66'

St.

Ave.

Walker
Isbell
Easterly
Farrow
5-13-41

— Title —

CHANGE IN ALIGNMENT
HARBOR DRIVE.

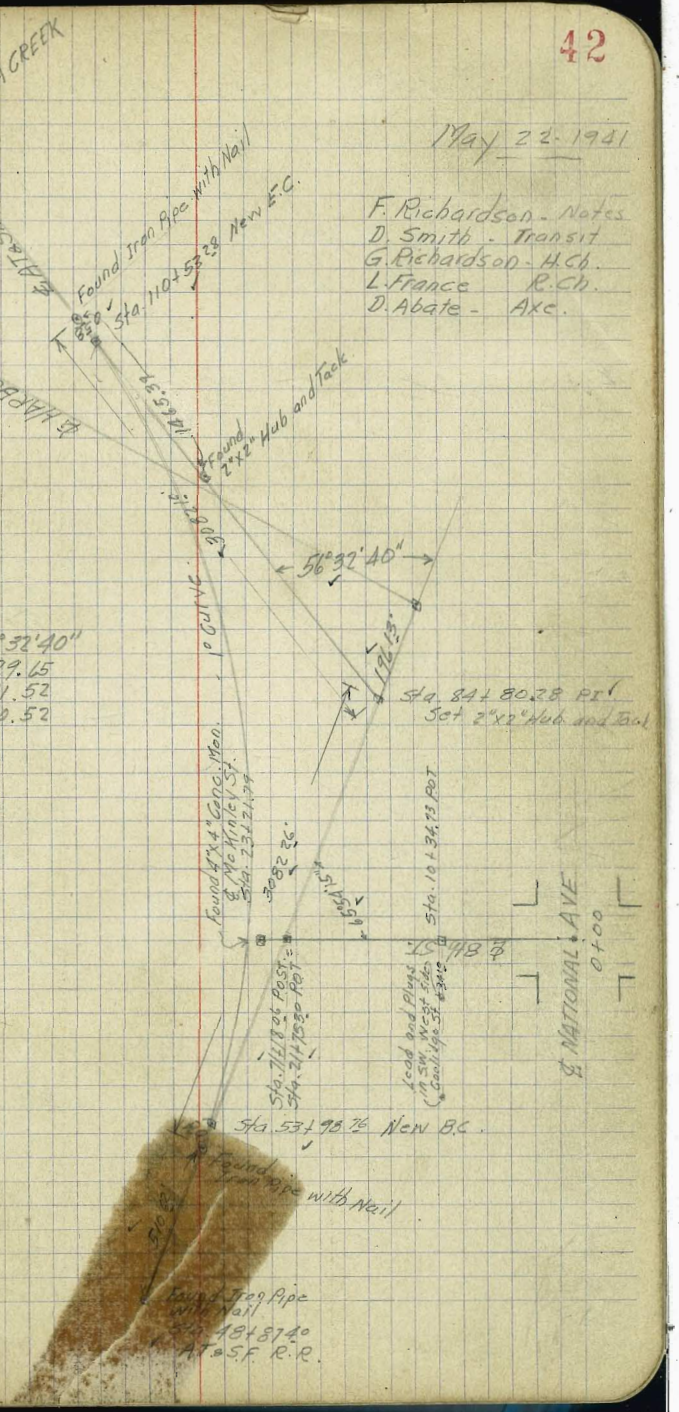
STATE OF CALIFORNIA

- DIVISION OF HIGHWAYS -

A.T.&S.F. R.R. 1° Curve in

Connection with Harbor Drive Alignment.

Sta.	Deflection	Sta.	Deflection
89	17°30.4'		
88	17°00.4'		
87	16°30.4'		
86	16°00.4'		
85	15°30.4'		
84	15°00.4'		
83	14°30.4'		
82	14°00.4'		
81	13°30.4'		
80	13°00.4'		
79	12°30.4'		
78	12°00.4'		
77	11°30.4'		
76	11°00.4'		
75	10°30.4'		
74	10°00.4'	110+53.28 E.C.	28°16.33'
73	9°30.4'	110	28°00.4'
72	9°00.4'	109	27°30.4'
71	8°30.4'	108	27°00.4'
70	8°00.4'	107	26°30.4'
69	7°30.4'	106	26°00.4'
68	7°00.4'	105	25°30.4'
67	6°30.4'	104	25°00.4'
66	6°00.4'	103	24°30.4'
65	5°30.4'	102	24°00.4'
64	5°00.4'	101	23°30.4'
63	4°30.4'	100	23°00.4'
62	4°00.4'	99	22°30.4'
61	3°30.4'	98	22°00.4'
60	3°00.4'	97	21°30.4'
59	2°30.4'	96	21°00.4'
58	2°00.4'	95	20°30.4'
57	1°30.4'	94	20°00.4'
56	1°00.4'	93	19°30.4'
55	0°30.4'	92	19°00.4'
54	0°00.4'	91	18°30.4'
53+98.76 B.C.	0°00'	90	18°00.4'



STATE OF CALIFORNIA

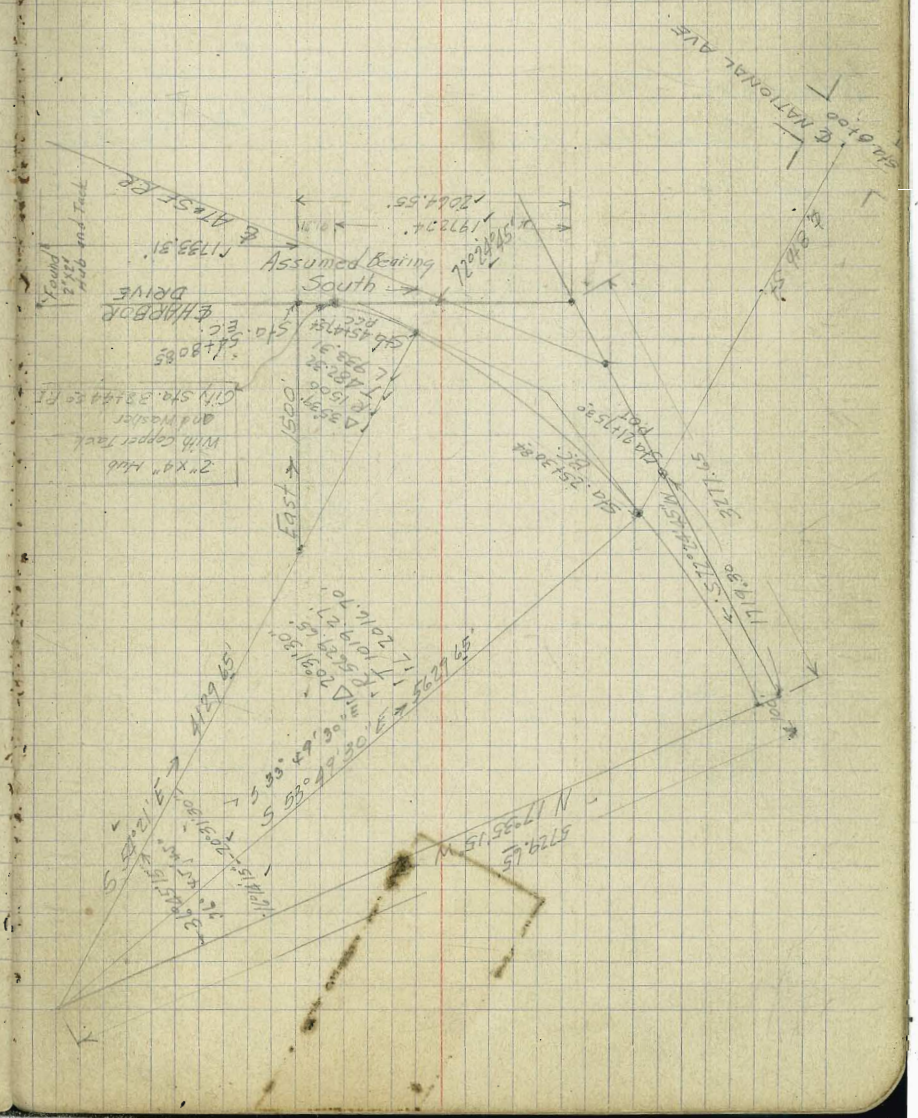
DIVISION OF HIGHWAYS

Harbor Drive Alignment in connection with A.T.&S.F. R.R.

Sta.	Deflections	Sta.	Deflections
42	8°29.6'		
41	7°59.1		
40	7°28.5'		
39	6°58.0'		
38	6°27.5'	54+80.85 EC.	28°05.25'
37	5°56.9'	54	26°32.6'
36	5°26.4'	53	24°38.0'
35+39.19 POC	5°07.88'	52	22°43.4
35	4°55.9'	51	20°48.8'
34	4°25.4'	50+14.20 POC	19°10.50'
33	3°54.8'	50	17°56.9'
32	3°24.3°	49	16°59.6'
31	2°53.7'	48	15°05.1'
30	2°23.2'	47	13°10.5'
29	1°52.7'	46	11°15.9'
28	1°22.2'	45+47.54 PCC.	10°15.75'
27	0°51.6'	45	10°01.2'
26	0°21.1'	44	9°30.7'
25+30.84 BC	0°00'	43	9°00.1

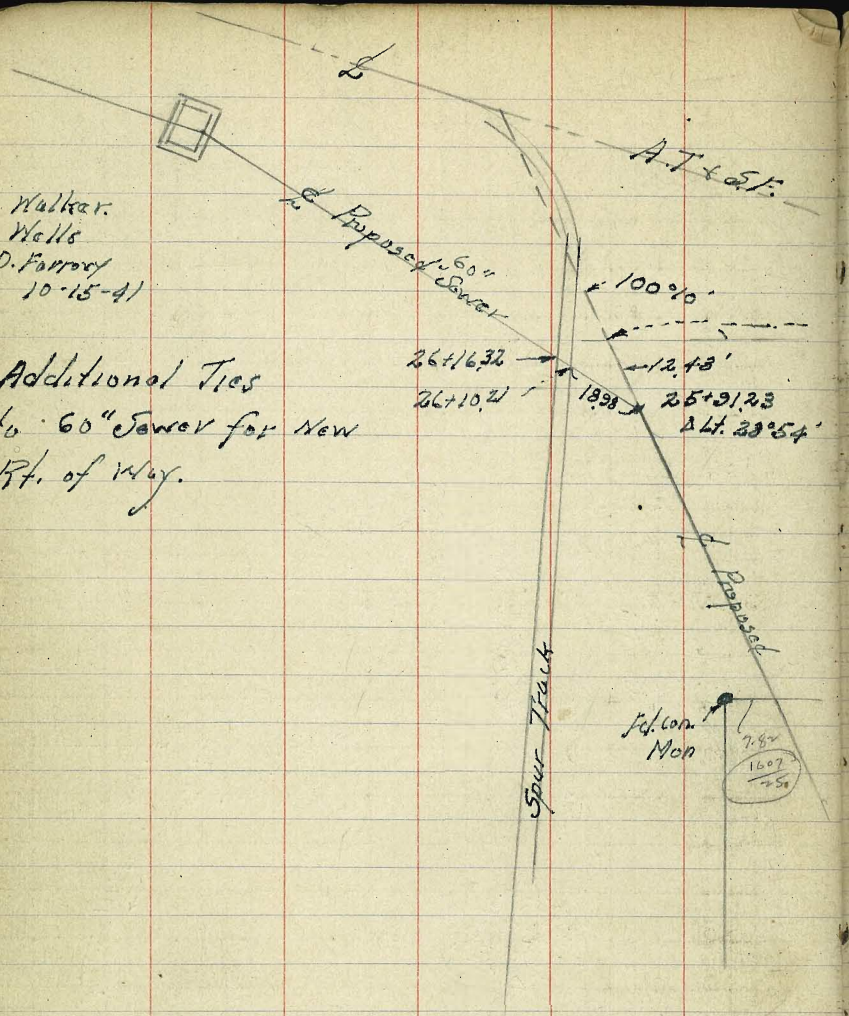
May '26

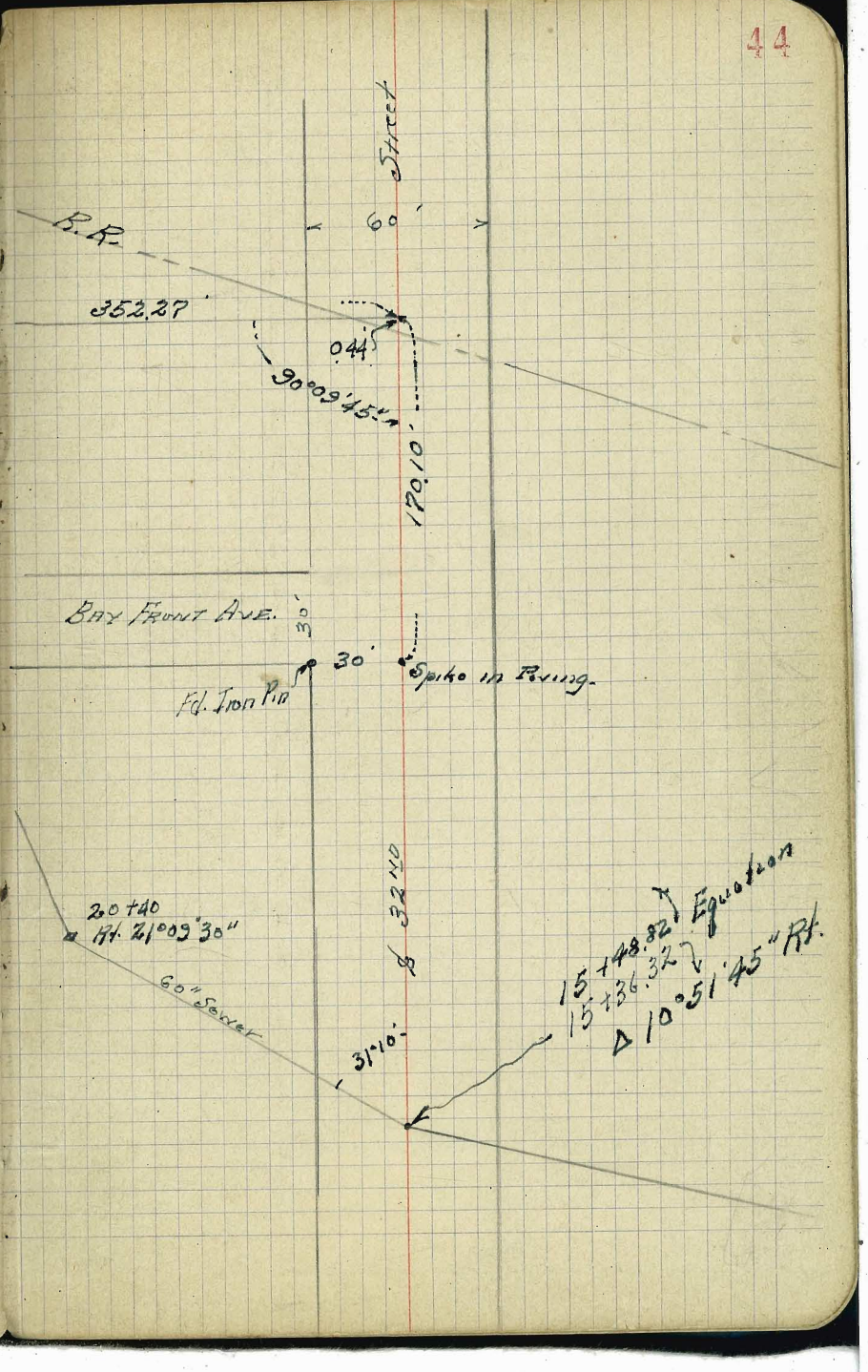
F. Richardson - Notes.
D. Smith - Transit
G. Richardson - H. chain.
L. France - R. Chain
D. Abate - Axe.


Assumed Bearing South
East
N 17°35'15" E
S 72°49'30" E
S 17°10'30" W
S 72°49'30" E
S 17°10'30" W
N 17°35'15" E

Walker
Wells
D. Forrey
10-15-41

Additional Ties
to 60" Sewer for New
Rt. of Way.





Tie Point Survey and Prelim. Sewer Levels

Platted 5-27-46 C.S.K.

C. Moore
Bernard Moyer
W. Moore
3-6-46.

IN PORTION of Drucker's Sub.
IN Pueblo LOT 218

Indexed C.S.K.

45

Set 2"x2"x18" wood stake RUR Hubs on ℄ ST.

This point set by Miller & Oltedt by U.S.E.D. Fd. Ld. ℄ ⊥ N. Nav.

Fd. 40 ft. ℄ Fd. 871-52

Ex. Curb

Set Ld. & Tack

Fd. Ld. & Tack

Fd. Ld. & Tack

Fd. Hub. Set Mon. 9-25-53

Fd. Hub. Set Mon. 9-25-53

Fd. Hub. Set Mon. 9-25-53

These Hubs are not as old as the Subd. A re-stake job I think.

Fd. 2"x2" with 1"x3" scarfed guard stake

Fd. 3/4" pipe PE 4847 Recently set

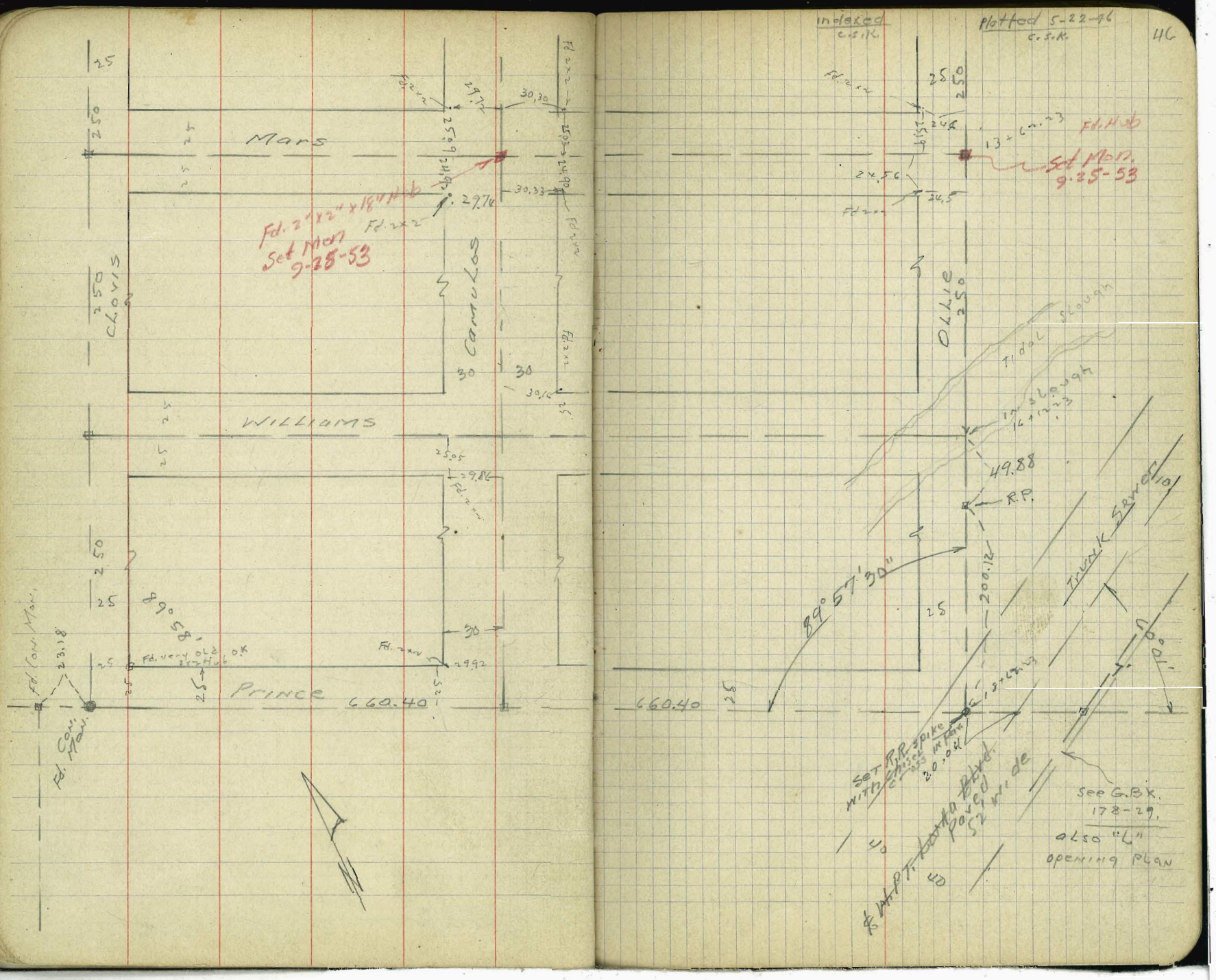
Fd. 3/4" pipe 10 N 4.2 E of Fd.6

10 - 3/4" Pipe 2.0 N 0.2 E of Fd. 6

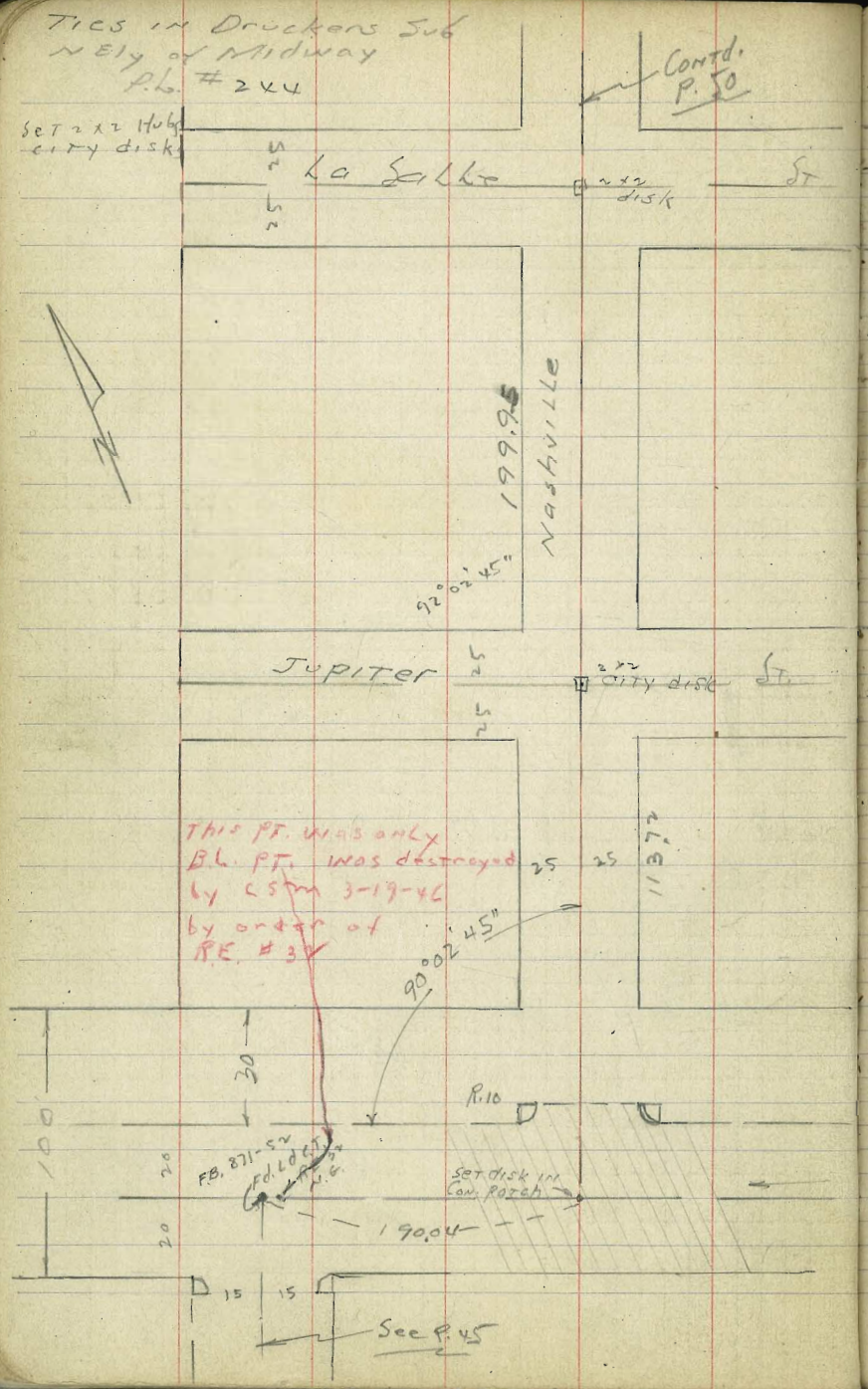
Fd. 2"x2"

Fd. 2"x2"

Fd. 2"x2"


Mars
WILLIAMS
PRINCE
660.40
Fd. 2"x2"x18" H.b
Set Mon
9-25-53
Fd. 2x2
Fd. H.b
Set Mon.
9-25-53
Indexed
C.S.K.
Platted 5-22-96
C.S.K.
46
Tidal
Ploughs
49.88
R.P.
89° 57' 30"
200.12
Truck
Service
Rd.
Set R.R. spike
with chiseled
cross in face
20.0' ±
Pt. on top of
post 5.2' ±
de
Fd. Con. Mon.
23.18
Fd. very old
2x2 H.b. O.K.
See G.B.K.
178-29,
also "L"
opening plan

Ties in Druckers Sub
N Ely of Midway
P.L. #2K4



Indexed C.S.K.

Ref. Books, etc. 47

F.B. 871 - 5T = Ad. C.T.'s set by F.M. about 1931?

" 1375 - 4

Roll # 4454

" # 4614 Con. Mons set about F.Bk. ? 1914 ?

Gr. Bk. 178 - 29 - 30

" 179 - 7C

Fd. Survey disk RE #3 about 1945 at E of Midway and Pueblo Line on Ollie St.

Survey by Elder of Lot in Blk. 6 of Midway & Liberty St and Ollie and Canalas

Survey by R.E. #4847 at Ely Cor. of Ollie & Liberty

Fd. some Lot Surveys in Sly portion of Druckers P.L. 248 No TKs. in hubs and TWST recently set. No identification.

Fd. 4 C.T.'s set by F.M. Miller for Existing curb returns Very good

Also See opening "L" sheet on W. Pt. Loma Blvd. Consulting 3-18-4C

Rev. ST. Lights 5' back of Curb

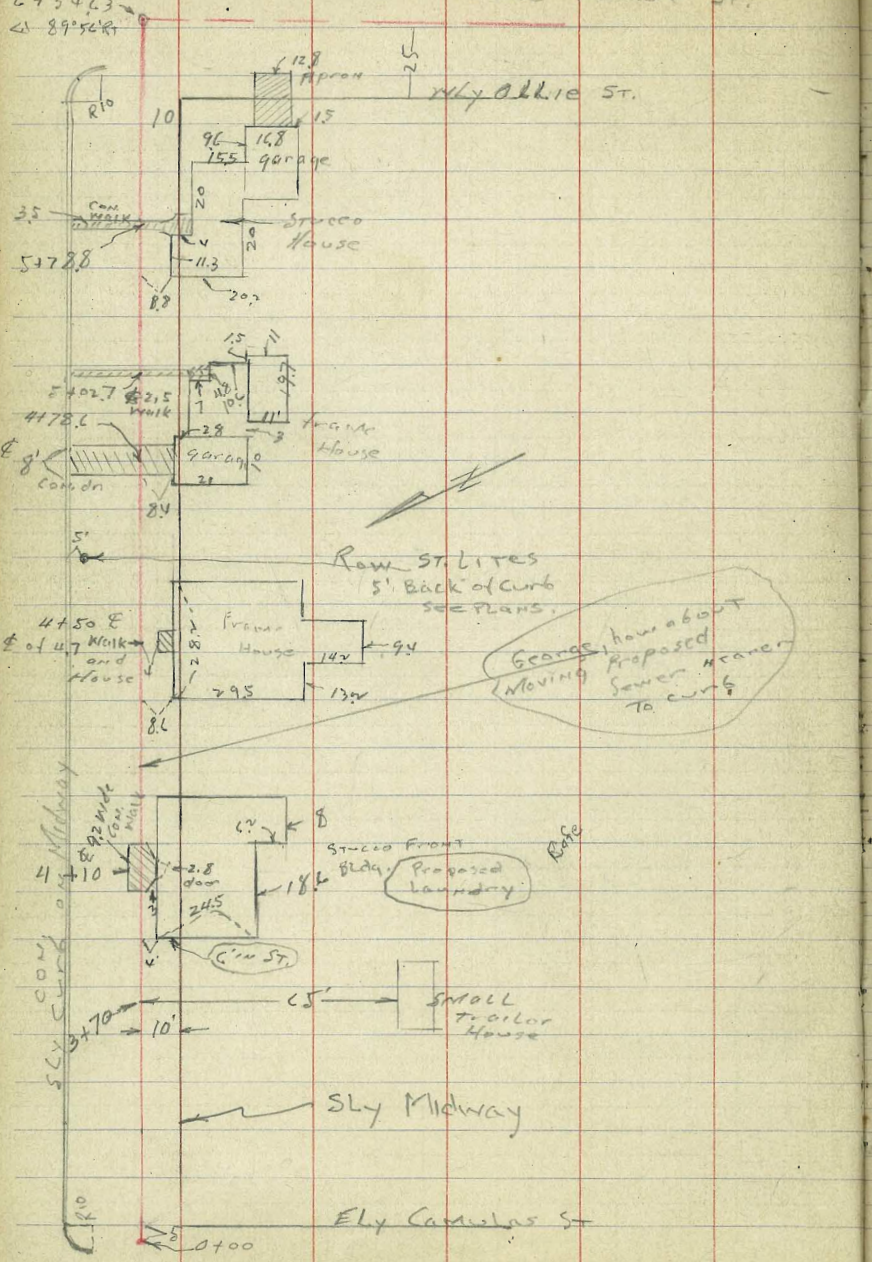
Ely Curb Midway @ 5

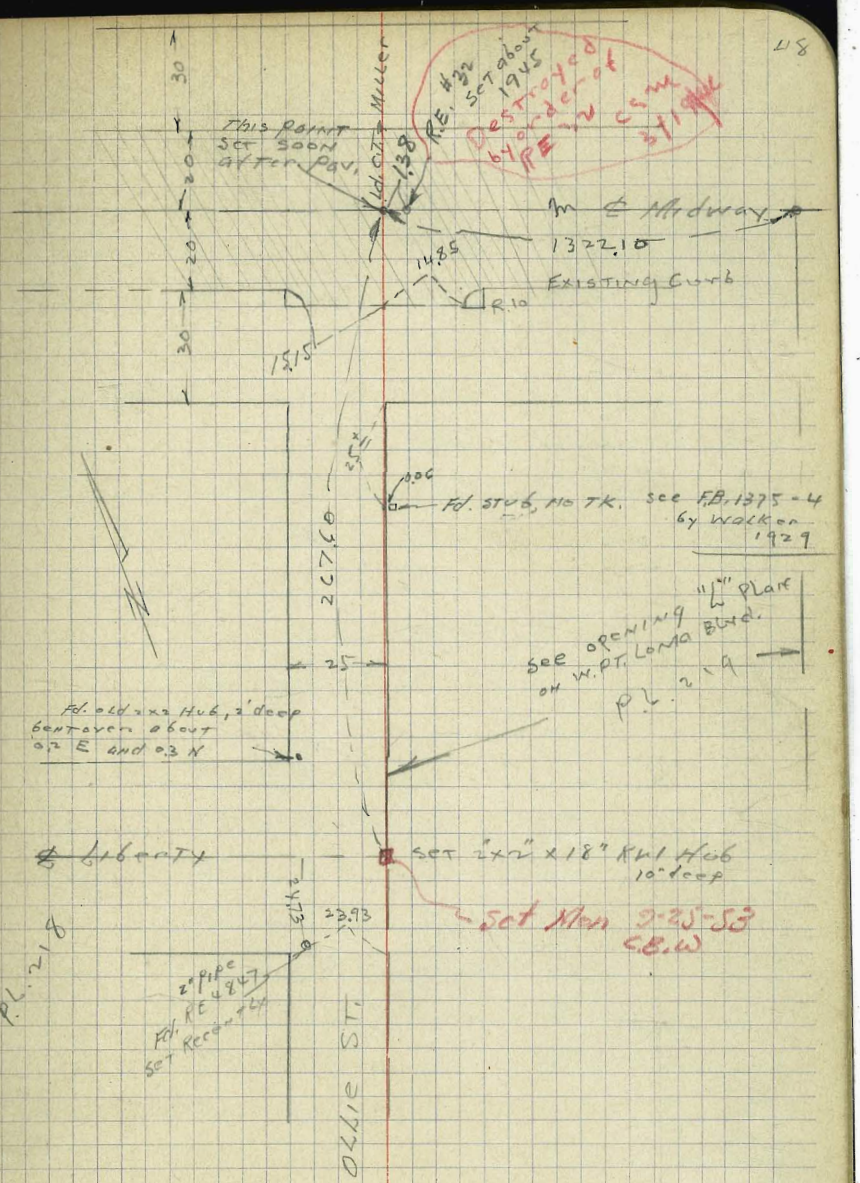
6" Con. Base
2" M.S.

Sly curb @ 5 @ 5

Lights

Location of Houses on Sly side of Midway, betw. Camulos & Ollie St.





Conc. Levels on proposed Sewers
3×12-VC. in Orucker's Sub. PL 218

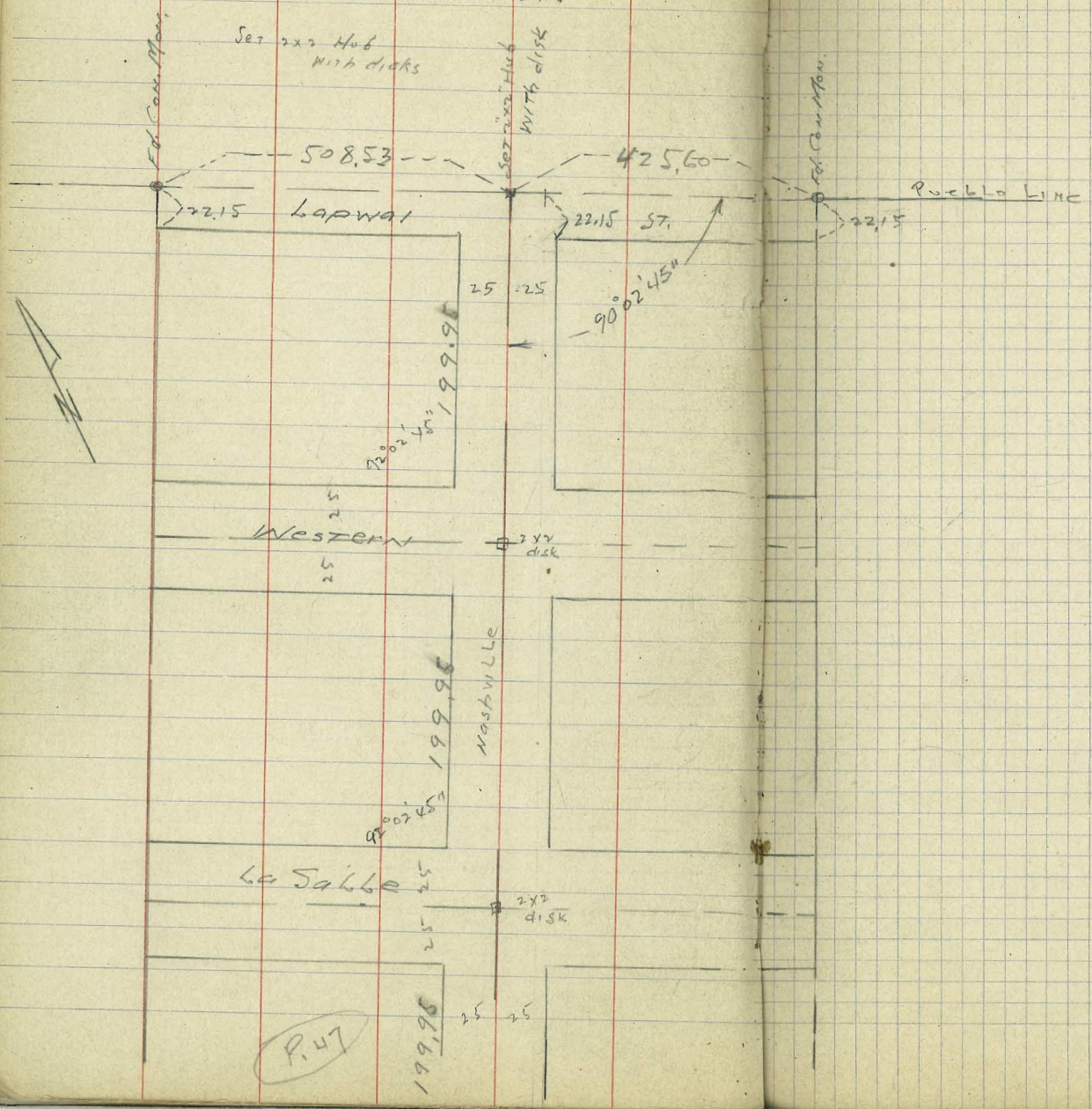
	Top Rim				150 W/L from Midway W. Pt. Loma Blvd.
BMBP Stamped Box Culv.	5.11	8.01		2.90	
T.P.	4.45	6.92	5.54	2.47	
Levels on Midway Ctr. Canulas & Ollie					
0+00 = 5' W of EL. Canlos			6.7	0.22	
20' Ct of 0+00 Top Ctr. Midway & Canules			5.35	1.57	B.C. Rt.
0+15			7.9	-1.0'	
+25			6.7	0.2	
+50			7.6	-0.7	
1			7.6	-0.7	
+50			7.3	-0.4	
2			7.1	-0.2	
+25			7.0	-0.1	
+35			6.0	0.9	
+70			5.7	1.2	
+75			7.1	-0.1	
3			6.5	0.4	
+25			7.4	0.5	
+50			7.1	0.2	
+53			5.4	1.5	
+70			5.2	1.7	
" 45 Rt to Trailer House			4.9	2.0	Floor EL ground Floor
4+00			5.2	1.7	

Laundry to Go (47)

4+10 on ℄ 4' wide Conc walk	4.95	1.97	Floor EL Same
4+50	4.6	2.3	
" 41 Rt. edge ℄ 4.7 wide walk	4.50	2.36	
" 8.6 Rt. to house	4.35	2.57	Floor
4+78.6 ℄ 8' Conc drive	4.77	2.15	to gar
5+02.7 ℄ of 2.5 Conc walk	4.98	1.98	
" 18.7 Rt to House door	4.71	2.21	Floor
+50.	5.2	1.7	
5+78.8 ℄ of 3.5 wide walk	4.87	2.05	
" 12.8 Rt to door House	4.12	2.80	Floor
6+00 Comm	5.2	1.7	
6+09.63 = WL Ollie	5.2	1.7	
" 20' Lt Top Curb South	4.87	2.05	
T.P. Chisel Square 4.15 6.10 B.M.	4.97	1.95	Conc. Mkly Return Midway and Ollie
6+34.63 = Δ 89°-51' Rt. Sta 6	4.8	1.3	via Ollie St an Buckle Line
+50	5.7	0.9	
7	5.6	0.5	
+50	5.9	0.2	
8	6.0	0.1	
+50	6.2	-0.1	
8+02.73 ℄ Liberty	6.1	0.0	
9	5.9	0.2	
Set Nail B.M. in P.P. Sway Ollie & Liberty	5.36	0.74 ✓	
+50	5.9	0.2	

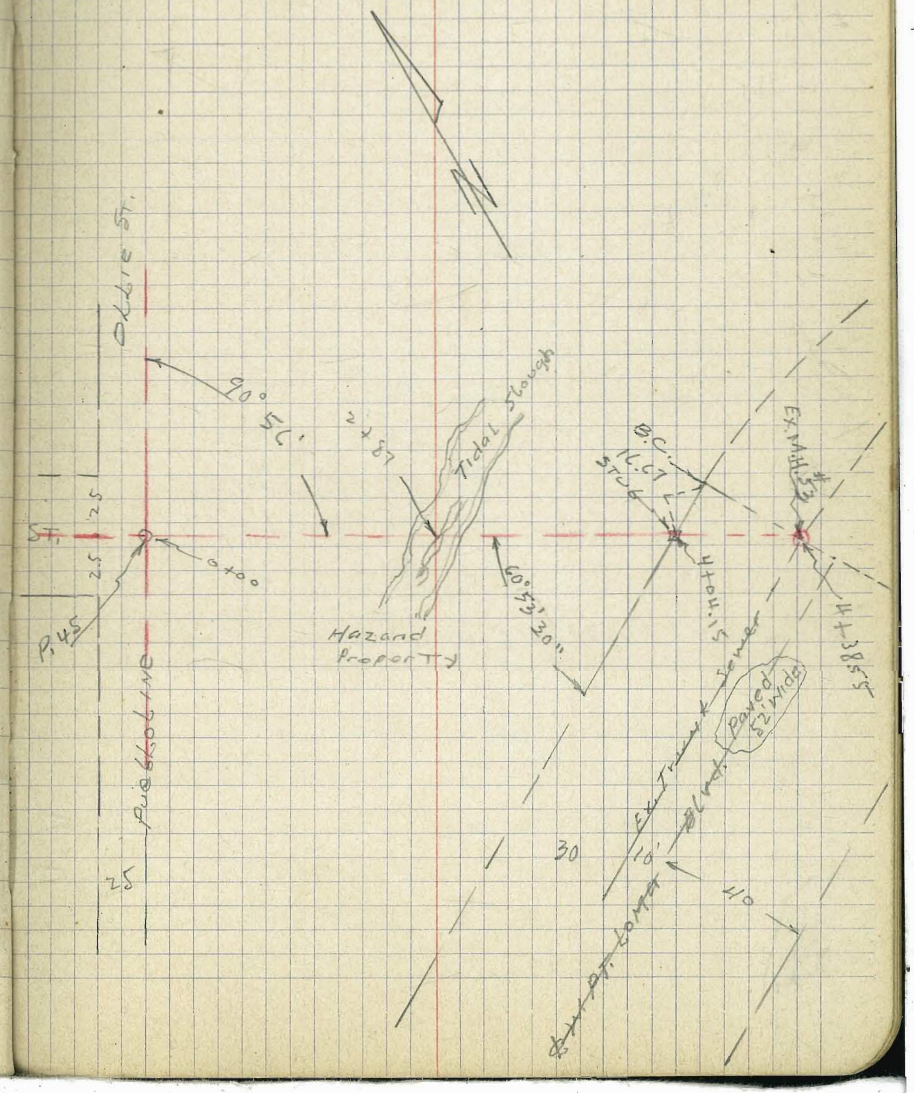
Contd. P. 52

Ties, Drucker's Sub.
in Pueblo Lot 24 V



P. 47

Line To Main Trunk Sewer on
W. Ft. Lomb Blvd. from
Venus and Ollie Sts.



Sewer Levels on Ollie St. Contd. from p. 49

		6.10		
10 +00			6.0	0.1
+50			6.0	0.1
T.P.	5.3L	5.5r	5.9r	0.6
11			5.7	-0.2
+12.23	& Venus St.		5.8	-0.3
+50			5.2	0.3
Set nail	PP Sw Cor BM Venus & Ollie		6.00	1.08
12			5.2	0.3
+50			5.6	-0.1
13			5.7	-0.2
+50			5.3	0.2
+62.23	& Mars		5.2	0.3
14			5.1	0.1
+50			5.2	0.3
15			5.1	0.4
+50	edge Slough		5.0	0.5
+57		soft mud	9.6	-4.1
16 +12.23	& Williams		10.3	-4.8
+27			10.2	-4.7
+33			7.2	-1.7
+60	edge Slough		5.6	-0.1

5.5r

17		5.2	0.3
150		4.0	1.5
18		3.5	2.0
+62.23	= Prince St	3.0	2.5

Sewer Levels Bet. Intersection of Venus & Ollie & Ex. M.H. #53 on W. Pt Loma Blvd.

S.W. in PP (Nail)	6.14	7.22	1.08	Venus & Ollie P.51
0+00 = Venus & Ollie Sketch P51		7.5	-0.3	
+30		6.0	1.2	
+50		5.6	1.6	
1		6.0	1.2	
+50		6.8	0.8	
2		6.7	0.5	
+45		6.2	1.0	
+51	Slough, Mod Soft	10.7	-3.5	
+77	" "	11.0	-3.8	
+82	" "	13.2	-6.0	
+87	" "	11.0	-3.8	
3	" "	10.8	-3.6	
+16		4.0	3.2	
+40		4.4	3.0	
4 +0415	Hdy W. Pt. Loma Blvd.	3.7	3.5	
+19		3.1	4.1	
+20	edge pav	3.40	3.8	
4+38.55	Pav. over M.H. #53	2.72	4.5	
"	M.H. Rim	3.15	4.07	
"	M.H. Fl.	14.88	-7.66	
check to Starting B.M		7.31	7.91 7.90	

Offsets to & Front of Houses.

Sewer Levels on Liberty St.

Ollie to Clove

BM (Nail PP)	3.51	4+25		0.7% SW Cor Ollie & Liberty
0+00 = Buckle Line on Ollie St		4.2	0.1	
+50		4.7	-0.4	
+55		4.7	-0.4	
" 35' Rt Floor House		3.1	1.2	
1+00		4.6	-0.3	
+50		4.7	-0.4	
" 31 Lt Fl. House		1.8	2.5	
+83		4.7	-0.4	
" 55 Rt Fl. House		3.0	1.3	
1+90		4.7	-0.4	
" 32 Lt. Fl. House		3.7	0.6	
2		4.8	-0.5	
+58		4.9	-0.6	
" 31 Lt Fl. House		1.6	2.7	
3		5.1	-0.8	
+40		5.2	-0.9	
" 50' Rt Fl. House		2.8	1.5	
4		4.9	-0.6	
+50		4.8	-0.5	
Stony		5.3	-1.0	
" 45 Lt Fl. House		4.5	1.8	
+50		5.4	-1.1	
5		5.5	-1.2	

Liberty St. Sewer

	4.25			
6+59.7 & Camulos.		5.2	0.9	
	nail pp.			
T.P. Sec. 4.93	3.01	4.17	0.08	Liberty & Camulos
7+00		4.1	-1.1	
+50		4.0	-1.0	
8		4.2	-1.2	
+50		4.4	-1.4	
9		4.4	-1.4	
+50		4.7	-1.7	
10		4.8	-1.8	
+50		4.6	-1.6	
11		4.9	-1.9	
+50		5.1	-2.1	
+75		5.7	-2.7	
12		5.3	-2.3	
+50		5.5	-2.5	
13		5.5	-2.5	
+19.6	Pueblo Line on Clovis	6.5	-3.5	

Sewer Levels on C Clovis St. Pueblo Line 84
& Liberty to Pueblo Line on Prince St.

3.01

0+00 = & Liberty St.	6.5	-3.5
+05	5.8	-2.8
+50	5.4	-2.4
1	5.1	-2.1
+50	5.1	-2.1
+75	5.1	-2.1
+80	5.8	-2.8
2	5.9	-2.9
+05	5.0	-2.0
2+50 & Venus	5.4	-2.4
3	5.2	-2.2
+50	5.6	-2.6
4	6.0	-3.0
+20	5.7	-2.7
+44	6.4	-3.4
+65	6.1	-3.1
+70	5.9	-2.9
5+00 & Mars	5.7	-2.7
T.P. 4.52 2.74	4.79	-1.78
+50	5.2	-2.5
6	5.2	-2.5
+50	4.8	-2.1
7	4.5	-1.8
+30	4.6	-1.9

Pueblo Line on Clovis St.

2.74

7+00		6.2	-3.5
7+50	℄ Williams	5.0	-2.3
8		4.6	-1.9
+50		4.8	-2.1
9		4.7	-2.0
+50		4.8	-2.1
10	= Pueblo Cor	4.9	-2.2
	Iron Pin 4"x4" Conc. T.P. Mon. 23.18 W'ly of Mon. on Swale Cor. El 2.18.	4.86	-2.12

℄ Semaphores on Venus St.

Ollie Lily to Clovis

Ollie 2 Venus p. 52

B.M. Swale Cor.	2.40	3.48	1.08
0+00 = ℄ Venus & Pueblo Line		3.8	-0.3
+25		3.5	0.0
+50		3.4	0.1
1+00		4.0	-0.5
+50		4.3	-0.8
2		4.5	-1.0
+30		4.7	-1.2
" 41 Rt.	FL. EL. House	4.7	1.8
+50		4.8	-1.3
3		4.7	-1.2
+50		4.5	-1.0
4		4.7	-1.2
+50		5.0	-1.5
5		5.2	-1.7
+50		5.5	-2.0
6		5.3	-1.8
+59.9 = ℄ Cornelas		5.3	-1.8
T.P. 3.24	2.35	4.37	-0.89
7		4.1	-1.7
+50		4.1	-1.7
8		4.0	-1.6
+50		4.3	-1.9
9		4.3	-1.9

2.35 ✓ Clovis St

9		4.3	-1.9
+50			
10		4.5	-2.1
+50		4.3	-1.9
11		4.5	-2.1
+50		4.6	-2.2
12		4.8	-2.4
+50		4.8	-2.4
13		4.6	-2.2
13+19.8 =	Pueblo Line Clovis	4.7	-2.3

Elevels on Mars St. 5C
Clovis Ely to Ollie St.

2.35

0+00 =	Pueblo Line on Clovis	5.1	-2.7
+50		4.7	-2.3
1		4.9	-2.5
+50		4.7	-2.3
2		4.4	-2.0
+50		4.4	-2.0
3		4.5	-2.1
+50		4.3	-1.9
4		4.3	-1.9
+50		3.9	-1.5
5		3.9	-1.5
+50		3.7	-1.3
6		3.4	-1.0
+60 =	El Camulos	3.4	-1.0
7		3.0	-0.6
+50		3.1	-0.7
TP.	5.11	3.0 ~	-0.7
8	4.44	4.9	-0.5
+50		4.9	-0.5
9		4.9	-0.5
+50		4.8	-0.4
10		4.5	-0.1

Sewer Level on Mons St.

4.44

10 + 50		4.4	-0.0
11		4.5	-0.1
+ 50		4.4	0.0
12		4.1	0.3
+ 50		4.0	0.4
13		3.8	0.6
+ 20 ±	Puebloline on Ollie	3.9	0.5

E levels on Williams St. 57

Ollie Way to Flows

4.44

0+00 =	Puebloline on Ollie St		In Slough
0 + 44	in Slough	8.3	-3.9
0 + 45	top bank Slough	6.1	-1.7
0 + 65		3.9	0.5
1		2.7	1.7
+ 50		3.7	1.7
2		3.9	0.5
+ 50		3.9	0.5
3		4.1	0.3
+ 50		4.0	0.4
4		4.4	0.0
+ 50		4.5	-0.1
5		4.7	-0.3
+ 50		4.8	-0.4
6		4.7	-0.3
+ 60.2 ±	E Cornelias St.	4.7	-0.3
T.P.	3.46 3.93	3.97	0.47
7		4.3	-0.4
+ 50		4.4	-0.5
8		4.5	-0.6
+ 59		4.7	-0.8
9		4.9	-1.0
+ 50		4.8	-0.9

3.93

WILLIAMS ST.

10	5.1	-1.2
+50	5.2	-1.3
11	5.2	-1.3
+50	6.0	-2.1
12	6.4	-2.5
+50	6.2	-2.3
13	5.7	-1.8
+20 + = Pueblo Line Clovis St.	6.3	-2.4

Sewer Levels on Pueblo Line on Prince St. Clovis to Ollie St.

3.93

Check to TP P.55	6.08	-2.15	-2.12 / 0.03
0+00 = Sely cor of pueblo lot 21.8	6.1	-2.2	Clovis & Prince
+50	6.1	-2.2	
1	5.7	-1.8	
+50	6.2	-2.3	
2	5.9	-2.0	
+50	5.6	-1.7	
3	5.6	-1.7	
+50	5.0	-1.1	
4	4.8	-0.9	← approx 50' Rt = Slough
+50	4.7	-0.8	
5	4.9	-1.0	
+50	5.6	-1.7	
6	6.0	-2.1	← approx. 25' to Rt = N edge Slough
+50	5.3	-1.4	
+60.4 E Canutillos	4.3	-0.4	
T.P. 4.73 4.52	4.42	-0.21	
6+70	5.3	-0.8	
" 6' Rt N edge Slough	8.0	-3.5	
7	5.3	-1.8	
" 3 Rt	5.5	-1.0	
" 7 Rt in Slough	8.0	-3.5	

Prince St Sewer

4.5%

7+25			4.8	-0.3
"	7' Rt.		5.6	-1.1
"	10 Rt	Slough	8.7	-3.7
+50			6.7	-2.2
"	1 Lt	Top Slough	4.7	-0.2
"	3 Rt	Bot. "	8.5	-4.0
+75			8.6	-4.1
"	5 Lt	Top Slough	4.9	-0.4
"	2 Rt	Slough	9.8	-5.3
8		Top N edge "	5.4	-0.9
"	2 Rt	in slough	9.1	-4.6
+30			8.3	-3.8
"	2 Lt.	Top bank	5.5	-1.0
"	3 Rt.	in Slough	8.7	-4.2
+40		Top bank "	5.3	-0.8
"	4 Rt.	in "	8.5	-4.0
+50			5.1	-0.6
"	6 Rt	Top Bank Slough	5.2	-0.7
"	8 Rt	in "	8.6	-4.1
9			5.1	-0.6
+50			5.1	-0.6
10			5.0	-0.5
+			4.8	-0.3
11			4.8	-0.3
"	14 Rt	Top Bank Slough	4.2	0.3
"	24 Rt	in "	8.4	-3.9

23' Rt. to Slough

20' Rt to Slough

4.5%

11+09		Top Bank Slough	4.9	-0.4
+15		in Slough	8.3	-3.8
+40			9.3	-4.8
+47			11.0	-6.5
+54			9.4	-4.9
+58			8.3	-3.8
+97			7.7	-2.2
12+07		Top bank Slough	2.0	2.5
+50			1.8	2.7
13+00			2.5	2.0
+04			1.3	3.2
+10		edge Pav.	2.5	2.0
13+10.8		= Pueblo Con. RR spike in Pav.	2.0	2.5

℄ Sewer Levels on
℄ Camulos St
Prince to Midway

T.P. P.57	3.70	4.17		0.47	Williams Camulos
0 + 00 - Pkt below on Prince			4.5	-0.3	
+ 40			5.1	-0.9	
+ 60			6.4	-2.2	
+ 87			4.3	-0.1	
1			4.5	-0.3	
+ 50			4.6	-0.4	
+ 60			5.7	-1.5	
+ 70			4.8	-0.6	
2 + 00			5.7	-1.5	
+ 10			4.6	-0.4	
+ 50	℄ Williams		4.5	-0.3	
3			4.7	-0.5	
+ 50			4.9	-0.7	
4			5.8	-1.3	
+ 50			5.3	-1.1	
5	℄ Mars		5.2	-1.0	
T.P.	3.41	3.49	4.09	0.08	
5 + 50			4.4	-0.9	
6			4.5	-1.0	

3.49

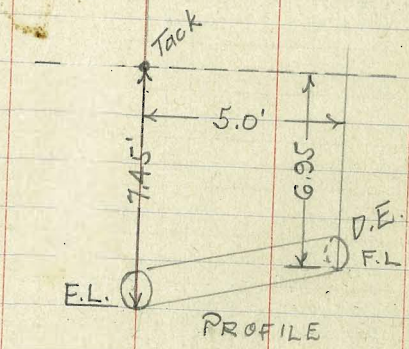
6 + 50	5.2	-1.7	
7	5.4	-1.9	
+ 50 ℄ Venus St	5.3	-1.8	
8	4.8	-1.3	
+ 50	4.9	-1.4	
+ 75	4.7	-1.2	
" 57' Pt. to ℄ Front of House	1.1	2.4	Floor El.
9	4.5	-2.0	
+ 50	4.6	-1.1	
10 ℄ Liberty	4.4	-0.9	
Check to Nail T.P. in P.P. Sly Cor Camulos Liberty	3.42	0.07.	0.08
10 + 50	4.4	-0.9	
11	4.6	-1.1	
+ 50	5.1	-1.6	
12	3.9	-0.4	
+ 13	4.5	-1.0	
+ 39 ± on Pav at Midway approx. 10' Sly from Cr. 6.	2.6	0.9	

Location & EL. of sewer
at 60th & Carroll

NWBP.	3.85	UC9.97		UC6.12
T.P.	3.60	UC5.VV	8.13	UC1.8V
Nail in pavt.			C.77	458.67

4-4-46

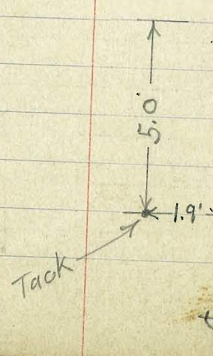
Copy of Notes of Ole Moen as transmitted by C.E. Moore.



PROFILE

458.67
7.45
451.22

458.67
6.95
451.72

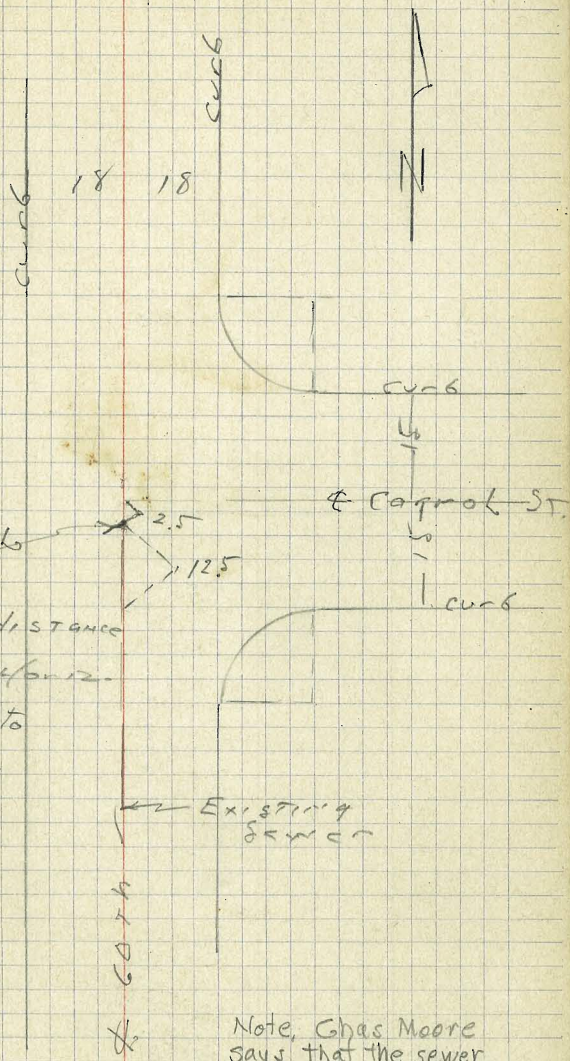


PLAN

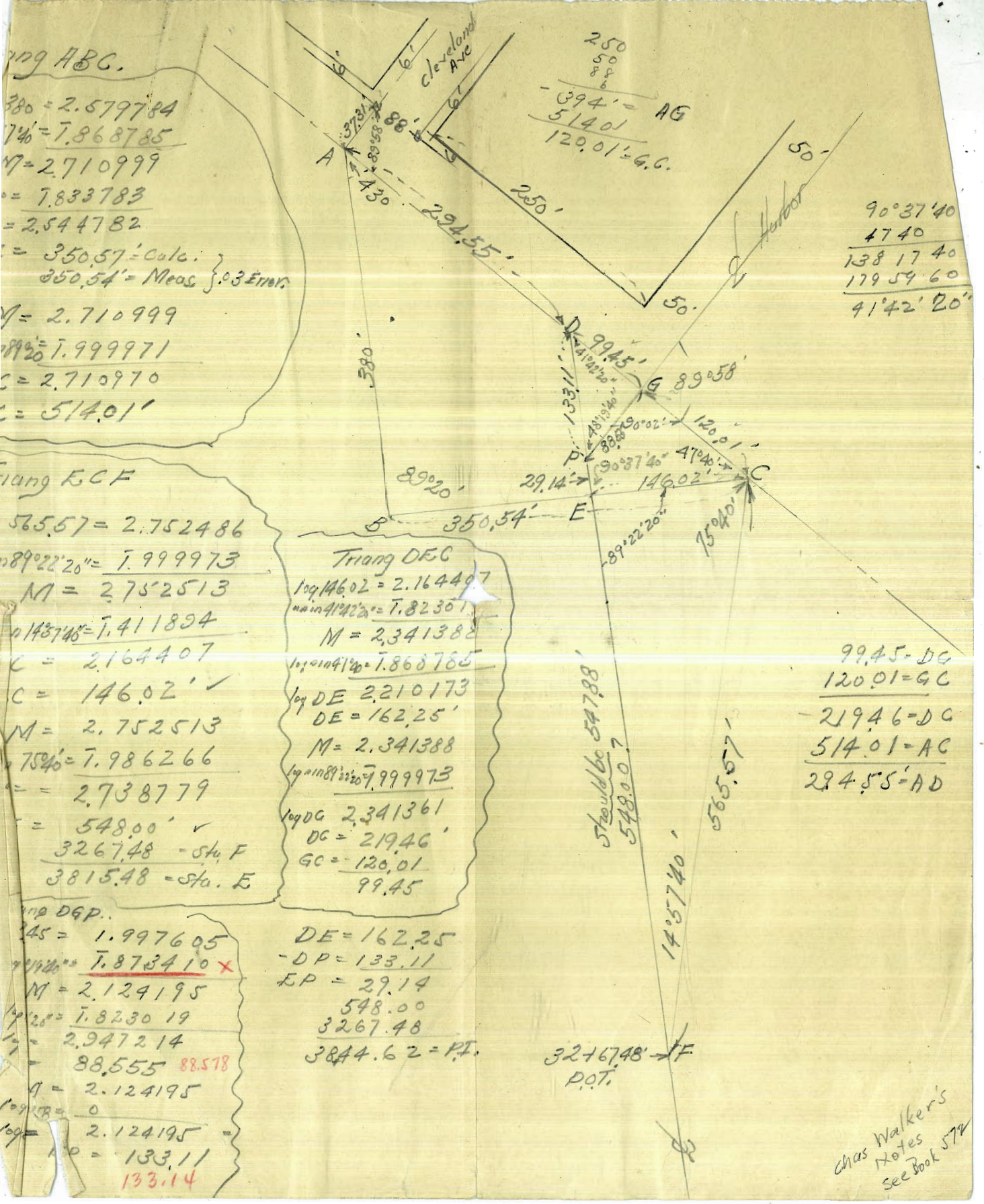
C. Moore
Sewer connection
N. Moen
B-99
4-2-46

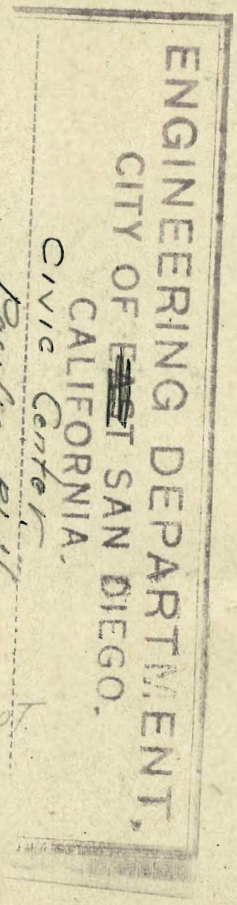
indexed
C.S.M.

61



Note, Chas Moore says that the sewer is on the center of 60th St. The nail or tack is 1.9' west of ℄ of street and sewer
G.R.H.
4-5-46


ing ABC.
380 = 2.579784
74' = T.868785
M = 2.710999
= T.833783
= 2.544782
= 350.57' Calc.
350.54' Meas. } .03 Error.
M = 2.710999
89°20' = T.999971
C = 2.710970
C = 514.01'
Triang ECF
565.57 = 2.752486
89°22'20" = T.999973
M = 2.752513
143746 = T.411894
C = 2.164407
C = 146.02'
M = 2.752513
75°40' = T.986266
= 2.738779
= 548.00'
3267.48 - Sta. F
3815.48 - Sta. E
Triang DEC
log 146.02 = 2.164407
sin 41°42'20" = T.823011
M = 2.341388
log sin 41°42'20" = T.868765
log DE 2.210173
DE = 162.25'
M = 2.341388
log sin 89°22'20" = T.999973
log DC 2.341361
DC = 219.46'
GC = 120.01
99.45
Triang DGP.
245 = 1.997605
sin 41°42'20" = T.823410
M = 2.124195
89°20' = T.823019
= 2.947214
= 88.555 88.578
M = 2.124195
sin 90°00' = 0
log = 2.124195
AD = 133.11
133.14
DE = 162.25
- DP = 133.11
EP = 29.14
548.00
3267.48
3844.62 = P.T.
250
50
88.6
- 394' = AG
514.01
120.01' = G.C.
Cleveland Ave
6'
6'
10'
37.31'
88.58'
A
430'
294.55'
250'
50'
50'
℄ Harbor
90°37'40
47 40
138 17 40
179 59 60
41°42' 20"
99.45'
D
41°42'20"
380'
133.11'
G
89°58'
48°18'40"
88.58'
90°02'
120.01'
P
90°37'40"
47°40'
C
89°20'
29.14'
146.02'
B
350.54'
E
89°22'20"
75°40'
99.45 - DG
120.01 = GC
- 219.46 = DC
514.01 = AC
294.55 = AD
Stewart's Co 547.88'
548.00'?
565.57'
14°57'40"
32+16.48' F
P.O.T.
Chas Walker's Notes See Book 574



DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

MADE IN GERMANY.