PAVING
Steiner Street
University Ave.
74
Sisson East

F.B. 575

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
DEC 4 1964

	.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.

(74)

ENGINEERING DEPARTMENT
CITY OF EAST SAN DIEGO,
CALIFORNIA.

Indexed to date Feb. 6, 1918
Card " " " Mar 28, 1918.
" " " " Aug 20, 1918.

INDEX

Curb & Culvert Levels		
Fmnt & Steiner	Pauly & Steiner	1
" VanDyke & Steiner	Copeland & "	2
" Stocklon & "	Conklin & "	3
" Hugo & Steiner		4

Book 74

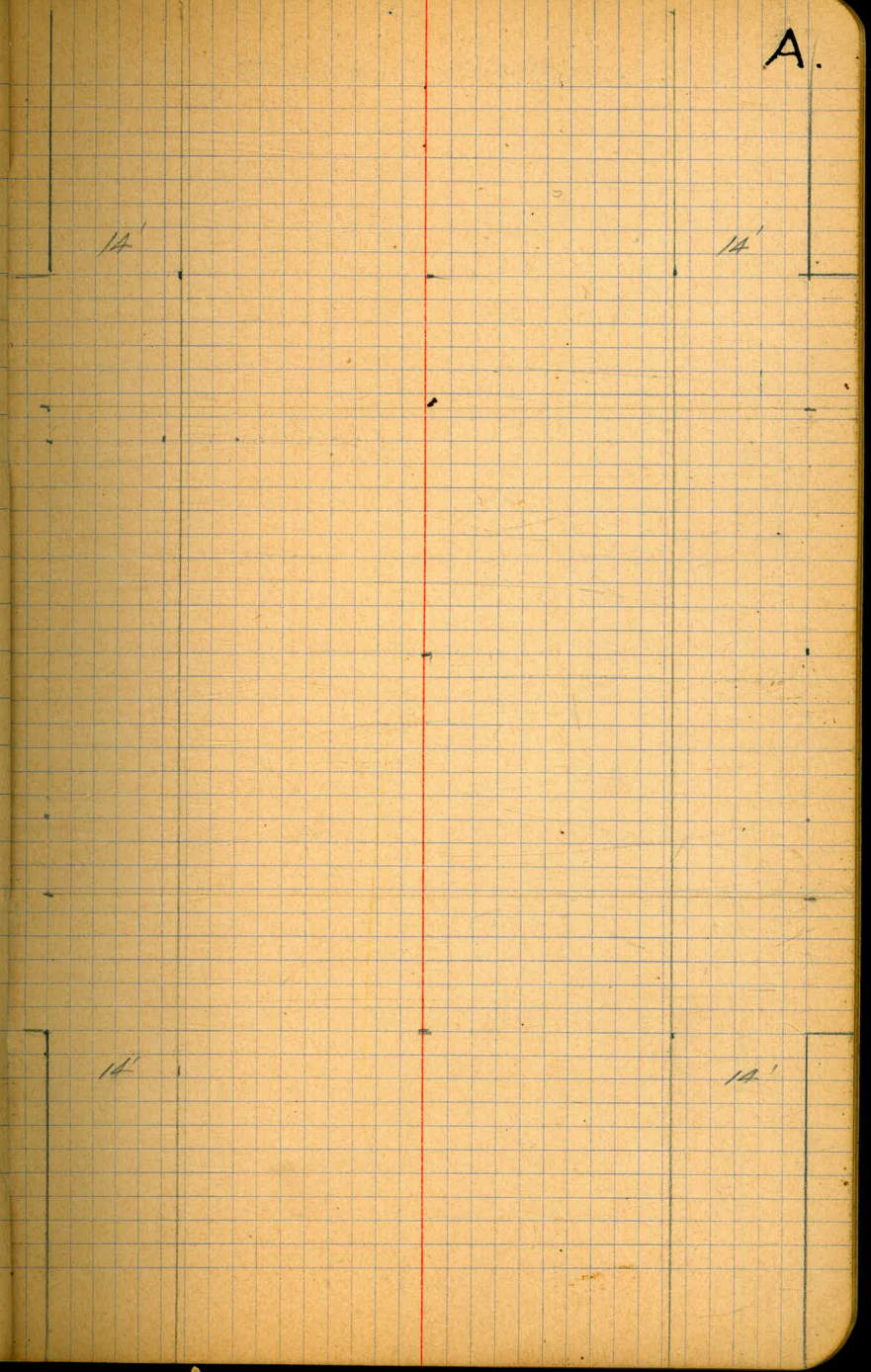
INDEX

Plan of	Index	Page No
"	Sisson Intersect.	21
"	Alley between Sisson-Hugo	22
"	Hugo Intersect.	23
"	Alley bet. Hugo + Conklin	24
"	Conklin Inter.	25
"	Alley bet. Conklin-Stockton	26
"	Stockton Inter.	27
"	Alley bet. Stockton-Copeland	28
"	Copeland - Inter.	29
"	Alley bet. Copeland-Van Dyke	30
"	Van Dyke Inter.	31
"	Alley bet - Van Dyke - Pauly	32
"	Pauly Inter.	33
"	Alley bet Pauly - Fairmount	34
"	Fairmount Int.	35
	Rail Grades	67-68
	Slopes, Corrected Parabola	72
Levels, Univ. Fmt. to Euclid 4-10-18	(curbs, rails, catchbasins, etc.)	36-39
Levels, Profile & Acacia Drive		39.
Open Gutter in SD. - Landis, Kansas, & Oregon Sts.		40
Street Ry. grades	Field check	41 to 43.
Trojan Hts. Subdivision		60

A

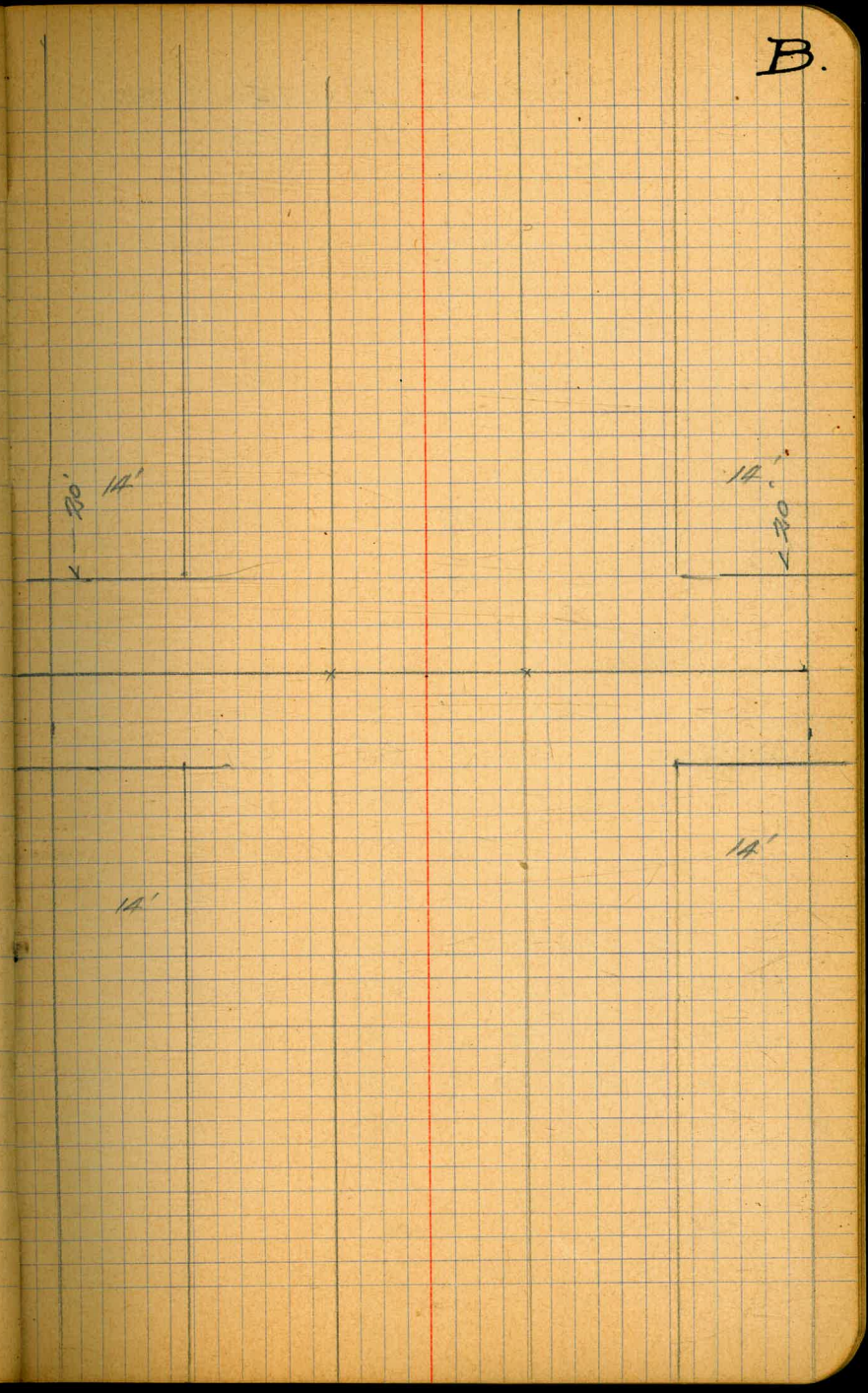
Intersection Sisson

A.



Alley bet Sisson & Hugo

B.



Sta	+	H.I	−	Elev	Notes From Book	Page
BM				359.78	63	22
North "						
Top Curb	4.59	364.37				
"						
"						
"						
"						
BM				359.10	63	23
Top Curb	4.75	363.85				
" "						
" "						
" "						
Top Curb NE Alley cor Fairmont		363.85	4.14	359.71		
NW " "			4.12	359.73		
SE " "			5.05	358.80		
SW " "			4.92	358.93		
Top Curb NE Alley cor Van Dyke			4.97	358.88		
NW " "			5.19	358.66		
SE " "			5.37	358.48		
SW " "			5.48	358.37		

May 30-1915
Ford
Wirth
Craft

1

West East

Brass Plug NW Fairmount Steiner

4.53 4.68
359.84 359.69

4.57 4.54
359.80 359.83

Steiner

Fairmount

5.38 5.86
358.99 358.51

5.38 5.86
358.99 358.51

Brass Plug NW Fairly Steiner

4.77 4.77
359.08 359.08

4.87 4.78
358.98 359.07

Steiner

Fairmont

5.18 5.02
358.67 358.83

4.96 4.87
358.89 358.98

Sta	+	HI	−	Elev	
BM				358.15	63-23
Top Curb	538	363.53			
"					
"					
"					
"					
NE Alleybet Van Dipe Copeland		363.53	582	357.71	
NW " " "			593	357.60	
SE " "			6.28	357.25	
SW " "			6.38	357.15	
BM				356.77	63-23
Top Curb	463	361.40			
"					
"					
"					
Top Curb Copeland SE Alleybet Stockton			654	354.86	

West East

Brass Plug NW Van Dipke ℄ Steiner

5.39 4.71
358.14 358.82
5.34 4.76
358.19 358.77

steiner

Van Dipke

5.74 5.35
357.79 358.18
5.64 5.30
357.89 358.23

Brass Plug NW Copeland + Steiner

4.63 4.33
356.77 357.07
4.72 4.33
356.68 357.07

Steiner

5.01 4.68
356.39 356.72
5.03 4.74
356.37 356.66

Copeland

BM Top curb	4.84	357.75		352.91	63-23
"					
Top Inlet Cover SW			5.05	352.70	
Top Inlet cover NW			4.81	352.94	
Top Clean out Cover NE			4.51	353.24	
Top Inlet Cover NE			4.33	353.42	
Top Inlet Cover SE			4.54	353.21	
Top Clean out Cover SE			4.88	352.87	
BM Top curb	4.49	358.53		354.04	63-23

West — East

Inlet 2" below — N.W. inlet 2" below

Brass Plug NW Stockton & Steiner

No Curbs Steiner — Stockton — No Curbs Steiner

4.88 — 4.35

352.87 — 353.40

Steiner

5.19 — 4.65

352.56 — 353.10

outlet 3" below — outlet 3" below

353.07 — 353.50

No. Rail .3 above curb NW Cor — No. Rail .1 above NE Curb

353.02 — 353.60

So .15 above " " " — So Rail .2 " " "

top pipe 12' below grade

Brass Plug NW Conklin & Steiner

Inlet level — 4.50 — 4.69 — Inlet level

354.03 — 353.84

Steiner

4.76 — 5.06

353.77 — 353.47

Conklin

outlet level — outlet level

Sta	+	HI	−	Elev	
B. M				352.00	63-23
Top curb	487	356.87			
"					
"					
"					
Top curb SL Steiner 90 ft W of W.L. Hugo			6.17	350.70	
Top curb NL Steiner 65 ft W of WL Hugo			5.54	351.33	
Top curb SW Alley bet Conklin Hugo			4.19	352.68	

Brass Plug NW Hugo Steiner

4.89
351.98
4.94
351.93

No curb in

Steiner

To Come out 5.38
351.49
5.41
351.46

Hugo

5.05
351.82
5.00
351.87

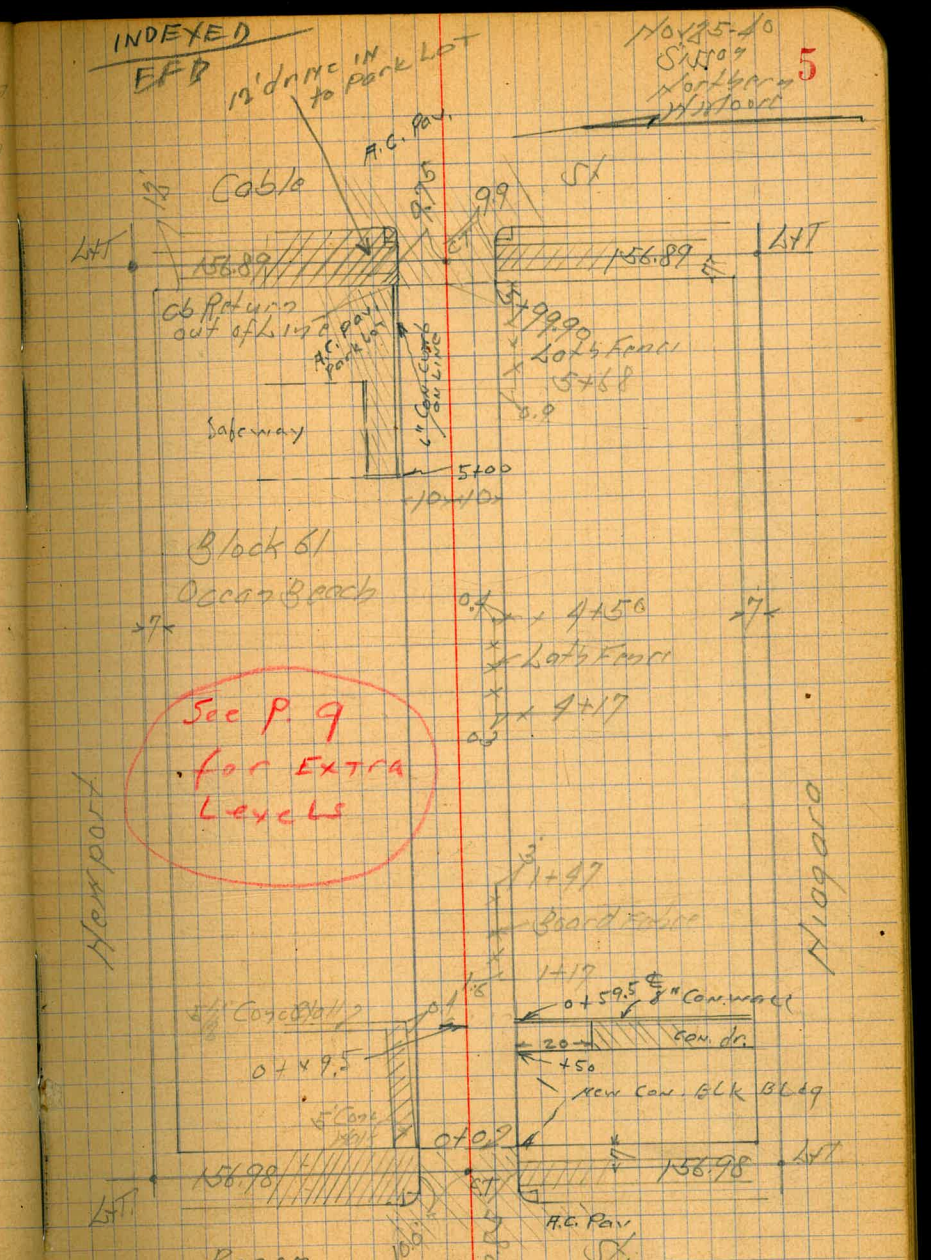
INDEXED
EFB

5

Cross Section Alley Block 61 Ocean Beach From Bacon to Cable Between Newport & Niagara

BM	6.49	17.54	11.05	NEBP Newport Bacon
	0+12 = EC Bacon			
N on Pavmt		5.78	11.82	
" "		5.70	11.84	
S " "		5.66	11.88	
	0+40 = EL Bacon			
S Top Cb		4.77	12.77	
Gutter on Pavmt		4.89	12.65	
" " "		5.30	12.24	
Gutter " "		4.92	12.62	
N Top Cb		4.78	12.76	
	0+35			
-0.2 = St Conc Walk		4.70	12.84	✓
N		4.9	12.6	
"		4.8	12.7	
+8		4.5	13.0	
S		4.1	13.4	
	0+49.5			
-10		3.8	14.7	
-8		3.0	14.5	
S		3.4	14.3	
+1		4.0	13.5	
"		4.4	13.1	
N		4.7	12.8	
+0.4 = St Conc Walk		4.70	12.84	✓
+0.4 Top St Conc Wall		3.23	14.31	✓

Redr Plot Profile 2257
11/26-40 C.O.H.



17.54

0+50.5

N+0.2	=Out let 4" Galv Pipe	4.63	12.91	✓

0+51.5

-1.2	=5.1 N Cor Board House	3.3	14.2	✓
N		3.5	14.0	
+3		4.4	13.1	
S		4.3	13.2	
+7		3.9	13.6	
S		3.2	14.3	
+10		2.8	14.7	

0+65

S -5.5	= S Do Garage Dirt Floor	2.6	14.9	✓

0+77

S		2.6	14.9	
S		3.3	14.2	
N		3.1	14.4	
+1.2	=5.1 Cor Board House	3.0	14.5	✓

0+76

S -5.4	= S Power Pole			✓

0+92

S -5.8	= S Garage Dirt Floor	2.5	15.0	✓

0+98

N -8.0	= S Garage Dirt Floor	2.8	14.7	✓

1+0

N		2.8	14.7	

17.54

S	2.5	15.0	
S	2.3	15.2	

1+07

S -5.9	= S Garage Dirt Floor	2.2	15.3	✓
N	5.06	20.55	2.05	15.49

1+50

S	4.8	15.8	
S	5.1	15.5	
N	5.1	15.5	
+10	5.3	15.3	

1+61

N -10.3	= S 3.4 Conc Door Way Steps	5.65	14.90	✓

1+72

S+2.8	= S 2.4 Conc Walk	4.96	15.59	✓

1+86

S -5.0	= S Do Garage Dirt Floor	4.7	15.9	✓

1+89

N -10.3	= S 3.4 Conc Door Way Steps	5.59	14.96	✓

2+0

+10	5.3	15.3	
N	5.5	15.1	
S	5.3	15.3	
S	4.8	15.8	

2+01

S+3.8	= S Power Pole		✓

20.55

2+10

N - 4.5 = ℄ Garage Dirt Floor 5.3 15.3 ✓

2+23

N - Sly Tree Stump

2+44

S - 4.4 = ℄ Garage Dirt Floor 4.9 15.7 ✓

2+50

S	4.7	15.9	
℄	5.0	15.6	
N	5.0	15.6	
+1.5 = S ℄ Cor Shed	5.0	15.6	

2+59

S - 4.8 = ℄ Do. Garage D.F 4.7 15.9 ✓

2+81

-4.9 = N ly Do. Garage Conc Floor 4.47 16.08 ✓

N	4.5	16.1	
℄	4.5	16.1	
S	4.3	16.3	
+5.5 = ℄ Garage Dirt Floor	4.2	16.4	✓

Now Con. floor and " Apron

2+87

S - 5' = ℄ 1.7 Conc Walk 4.13 16.42 ✓

2+99

N - 4.9 = E ly Do Garage C.F. 4.46 16.09 ✓

3+0

- 10 4.3 16.3

20.55

S	4.4	16.2
℄ = M.H. on Rim	4.41	16.14 ✓
N	4.4	16.2
+10	4.3	16.3

3+25 ✓

S +0.9 = Sly Power Pole

3+29

N - 0.5 = N ly Conc Apron 4.07 16.48 ✓

N - 4.9 = N ly Do Garage Conc Floor 3.92 16.63 ✓

3+35 ✓

S +1.8 = Sly Tel Pole

3+45.5

N - 0.5 = E ly Con. Apron 4.01 16.54 ✓

N - 4.9 = E ly Do Garage C.F 3.90 16.65 ✓

3+50

-10	4.2	16.4
N	4.2	16.4
℄	4.5	16.1
S	4.2	16.4
+10	4.1	16.5

3+82

S - 12.6 = ℄ Garage Conc Floor 3.57 16.98 ✓

4+0

+10	3.7	16.9
S	4.1	16.5

		20.55			
℄			4.1	16.5	
N			4.0	16.6	
+10			4.3	16.3	
		4+10.5			
S+2.5 = ℄ 2-2' Conc Rib Drive			3.54	17.01	✓
S " " " "			3.60	17.05	
TP	6.25	22.77	4.03	16.52	
		4+50			
-10			5.7	17.1	
N			5.8	17.0	
℄			5.9	16.9	
S			5.7	17.1	
		4+67			
S+0.9 = S/y Power Pole					✓
		5+0			
-3.8 = N/y 2 Car Garage D.F.			5.2	17.6	✓
S			5.3	17.5	
℄			5.5	17.3	
N			5.4	17.4	
		5+29			
S-4.1 = E/y 2 Car Garage D.F.			5.0	17.8	✓
		5+43			
S-4.2 = N/y Do Garage D.F.			4.6	18.2	✓

		22.77			
		5+50			
-10			5.2	17.6	
N			4.9	17.9	
℄			4.8	18.0	
S			4.5	18.3	
		5+64			
S-4.3 = E/y Do Garage D.F.			4.7	18.1	✓
		5+75			
S			4.5	18.3	
℄			4.8	18.0	
N			4.8	18.0	
+10			5.1	17.4	
		5+99.9 = N/L Cable			
N Top Cb			4.77	18.00	
Gutter on Paving			5.09	17.68	
℄ " "			5.19	17.28	
Gutter " "			5.1	17.66	
S Top Cb			4.76	18.01	
		6+11.9 = N/C Cb Cable			
S on Paving			5.41	17.33	
℄ " "			5.61	17.16	
N " "			5.61	17.16	
+10 " "			5.64	17.13	
BM			6.75	16.02	N.E.P. Hampton Cable 16.81

Re-xsec alley Blk. 61 Ocean Beach
Sketch P.5

NEBR	7.11	18.16		11.05	Newport Bacon
T.P.	3.44	18.84	2.76	15.40	

00 - 12 = E c6 Line Bacon St

N c6	6.38	12.46	
N pav	6.94	11.90	
C "	6.95	11.89	
S "	6.91	11.93	
S c6	6.19	12.65	

0 + 00 = E.L. Bacon St

S c6	5.99	12.85	
S pav	6.15	12.69	
℄ "	6.60	12.24	
N "	6.22	12.62	
N c6	6.03	12.81	

0 + 25

N - 0.2 Con. walk	5.96	12.88	
N ground	5.7	13.1	
C	6.0	12.8	
S	5.7	13.14	

0 + 49.5 See This! Floods here

N - 0.4 Con. walk	5.95	12.89	
N Top wood header	5.4	13.4	

C. Moore
Sommermeyer
Bcgg
5-10-46.

18.84

Indexed
C.S.K.

9

0 + 50

S - 13' door sill	5.27	13.57	Rear Bldg
S	5.0	13.8	
C	5.2	13.64	
N	5.6	13.24	
+ 0.4 Top 6" Con. wall	4.49	14.35	

0 + 50.5

N FL. 4" Iron drain	5.84	13.00	

0 + 54.6

S - 20 ℄ 9.2 wide Con. drive	5.43	13.41	waiting for grade on S.L. alley

0 + 62

N - 1.4 ℄ 21' Bd. dwelling - ℄ 10 wide wood Porch .8 in

0 + 59.5 ℄ 8" Con wall

S on Line	2.83	16.01	Top wall

0 + 76

N	4.3	14.54	
+ 2	5.0	13.84	
C	4.7	14.14	
+ 9.4 ℄ 14" P.P.			
S	4.0	14.84	

0 + 93

S - 5.7 Sin. gar. dirt	3.9	14.94	

0 + 98

N - 7.8 Sin. gar. dirt	4.1	14.74	

18.84

1+00

S	3.C	15.24
C	4.3	14.84
N	4.4	14.44

1+07

S-C Sin gar dirt 3.5 15.34

1+11

S-C Beg. picket fence

1+17

S+0.9 angle picket fence

1+44

N-4.3 S.edge CXC Brick incinerator

1+45

S-0.5 end picket fence

S+3.0 beg. Bd. rail "

1+50

N-21 Wedge Block Pav. yard	4.31	14.53
N1 " " "	4.40	14.44
N	4.4	14.40
C	4.0	14.84
+5	3.5	15.34
S	3.1	15.74

T.P. 4.52 19.92 3.44 15.40

19.92

1+60.3

S-3 ℄ 10' Porch to house

1+70

S+2.8 end Bd. rail fence

1+72

S-1.3 ℄ 2.5 Conwalk	4.20	15.72
S	4.4	15.5
C	4.8	15.1
N on Block Pav. yard	5.27	14.65
+15 " " "	5.20	14.72

1+86

S-5 E do. gar. dirt 4.0 15.9

1+90

S-5 beg picket fence

2+00

N-15 E. edge Block paving	4.97	14.95
N	5.07	14.85
C	4.6	15.3
96	4.4	15.5
S	4.0	15.9
+5	4.1	15.8

2+01

S-5.5 angle fence

S-3.0 " "

S+4.0 ℄ 12" P.P.

1992

	2 + 10			
N	— 4.4 E Sin gar.	4.8	15.1	dirt
	2 + 28			
N	— 0.7 sw Con Shed			
	2 + 35			
N	+ 0.8 Tree STUMP P.		COME OUT	
	2 + 37			
S	— 4.7 end Picket fence			
	2 + 44			
S	— 4.3 Sin gar dirt	4.1	15.8	
	2 + 50			
S		4.1	15.8	
C		4.3	15.6	
N		4.2	15.7	
	+ 1.8 SE Con Shed.	4.2	15.7	
	2 + 59			
S	— 5 E do. gar dirt	3.9	16.0	
	2 + 72			
S	— 5.6 E 8.5 Con. walk	3.42	16.5	
N	on Line Beg. Bd. fence			
	2 + 86			
N	end Bd. fence			
T.P.	4.67	21.07	3.52	16.40

2107

	2 + 81			
	— 4.9 W.L. do. gar.	5.00	16.07	Con. fl.
N		5.10	16.0	
C		5.1	15.9	
S		4.9	16.1	
	+ 2 E Con. apron	4.85	16.22	
	+ 5.5 E Sin. gar	4.67	16.40	Con. fl.
	2 + 87			
S	— 5.5 E 2' Con walk	4.64	16.43	
S	— 2 " Con. walk	4.81	16.26	
	3 + 00			
S		4.7	16.39	
C	IP. in MH	4.9	16.1	
N		4.8	16.2	
	2 + 99			
N	— 4.9 E 2 do. gar	4.94	16.13	Con fl.
	3 + 03			
S	— 1.8 W.L. Con. apron	4.39	16.68	
S	— 3.8 " " 3 Con gar	4.08	16.99	Con. fl.
	3 + 25			
S	+ 1.4 E 12" P.P.			
	3 + 29			
N	— 0.5 W.L. Con. apron	4.59	16.48	
N	— 5 " do. gar.	4.43	16.64	Con. fl.

21.07

3 + 34,5			
S – 1,9 E.L. Con apron	4,30	16.77	
S – 3,9 " 3 car gar	4,08	16.99	Con. fl.
3 + 38			
S – 2' & 8' Con walk	4,39	16.68	
3 + 40,7			
S – 2, W.L. Con apron	4,40	16.67	
S – 3,9 " 3 car gar,	4,30	16.77	Con fl.
3 + 45,5			
N – 0,4 E.L. Con apron	4,52	16.55	
N – 4,9 " do. gar,	4,40	16.67	Con fl.
3 + 48			
N – 4,5 & 7,5 Con. walk	4,48	16.59	
3 + 55			
– 20	5,4	15.6	
N	4,9	16.1	
C	5,2	15.8	
S	4,6	16.4	
3 + 67			
S – 2,2 E.L. Con. apron	4,47	16.60	
S – 4,5 " 3 car gar.	4,27	16.80	Con fl.
3 + 81			
S – 12,5 Sin. gar Con. fl.	4,09	16.98	
3 + 88			
S – 12,5 Beg. Picket fence			

21.07

3 + 89			
S – 11,7 & 2' Con walk	4,15	16.92	
4 + 00			
S end picket fence	4,72	16.8	
C	4,7	16.3	
N	4,6	16.4	
+ 25	5,3	15.7	
4 + 10,5			
S + 2,2 & do. R.6 drive	4,10	16.97	R.6. 22 wide Con. 7' over 6"
S – 32,3 & Sin. gar.	3,63	17.44	Con fl.
4 + 17			
S + 0,3 Beg. Earth fence			
4 + 50			
– 25	4,7	16.3	
N	4,0	17.0	
C	4,4	16.6	
+ 8	4,3	16.7	
+ 9,7 End Earth fence			
S	3,8	17.2	
S + 3,4 Beg. Bd. fence			
4 + 67			
S + 1,5 & 12" P.P.			
4 + 75			
– 3	3,9	17.1	
S	3,9	17.1	
+ 3	4,1	16.9	
C	4,2	16.8	
N	3,9	17.1	
+ 25	3,5	17.5	

21.07

5+00

N	Top 6" Curbing on Line	2.62	18.45	
N		3.8	17.2	
C		4.0	17.0	
+7		3.9	17.1	
S		3.5	17.5	
+3.8	end Lath fence	3.4	17.6	
+3.8	W.L. 3 car gar.	3.4	17.6	dirt

5+29

S −4.2	E.L. 3 car gar.	3.2	17.8	"
S		3.2	17.8	
C		3.7	17.3	
N	ground	3.5	17.5	
N	Top curbing	2.77	18.30	
T.P.	4.56 22.76	2.87	18.20	

5+43

S −4.2	W.L. do. gar.	4.6	18.16	dirt

5+50

N	Top curbing	4.58	18.18	
N	ground	5.0	17.7	
C		5.2	17.5	
S		4.5	18.2	
+4		4.7	18.0	

22.76

5+64

S −4.5	E.L. do. gar. also Beg. Lattice fence	4.7	18.0	dirt

5+68

S −0.9 angle in fence

5+85

S −0.9 fence

S		4.4	18.3
C		5.1	17.6
N	ground	5.0	17.7
N	Top curbing	4.52	18.24

5+99.90 = W.L. Cable St.

N	Top curbing wall	4.48	18.28	
N	" curb of alley	4.95	17.81	on drive
N	Pav	5.05	17.71	
C	"	5.48	17.28	
S	"	5.10	17.66	
S	cb	4.73	18.03	

+0.6 end fence

W cb Line Cable

S	cb	5.00	17.76
S	Pav.	5.42	17.34
C	"	5.58	17.18
N	"	5.59	17.17
N	driveway con.	5.44	17.32

raining

check to NEBD Newport Cable	6.75	16.01	16.01

Daley

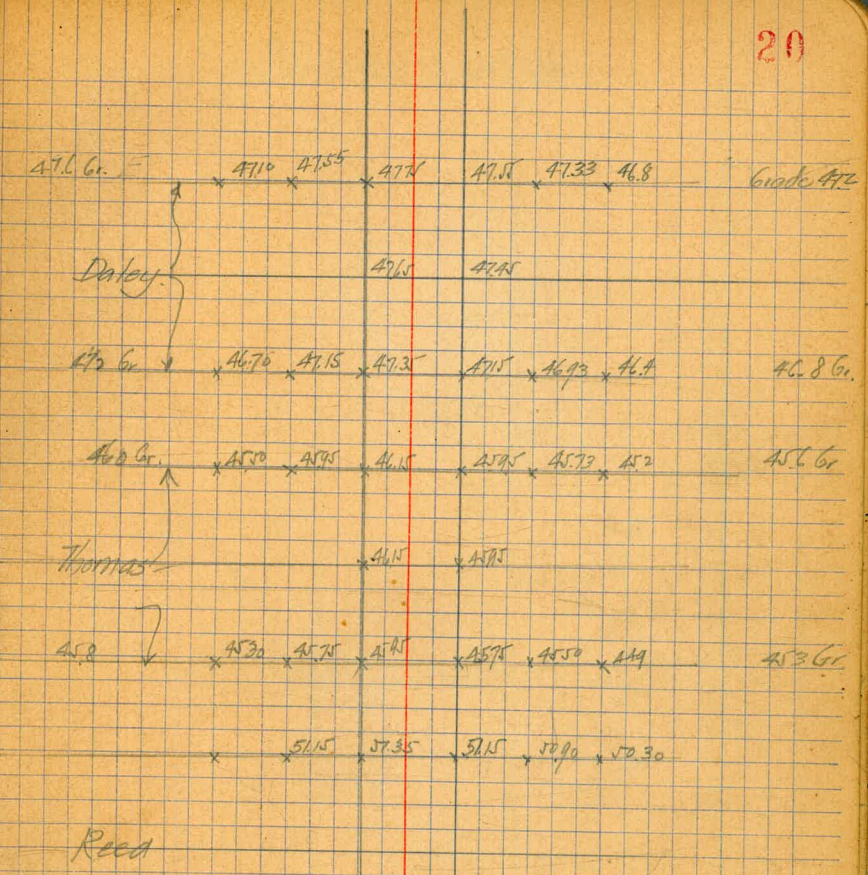
348.33 iron pipe 15 N W of N.W. Daley

Thomas

348.16 BM. iron pipe 11' NE of N.E. Thomas

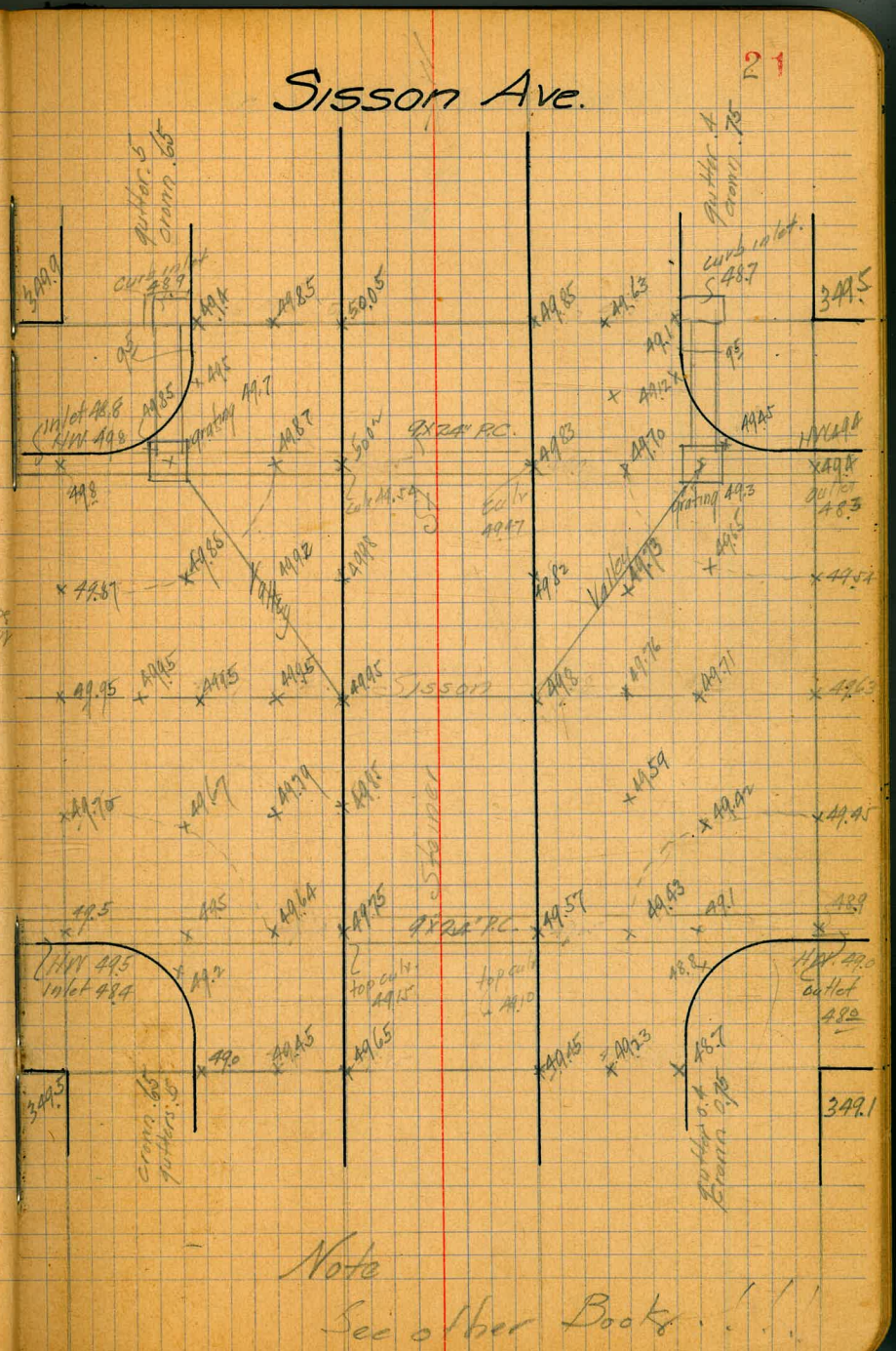
Reed-

351.97 BM. plug NW Cor.



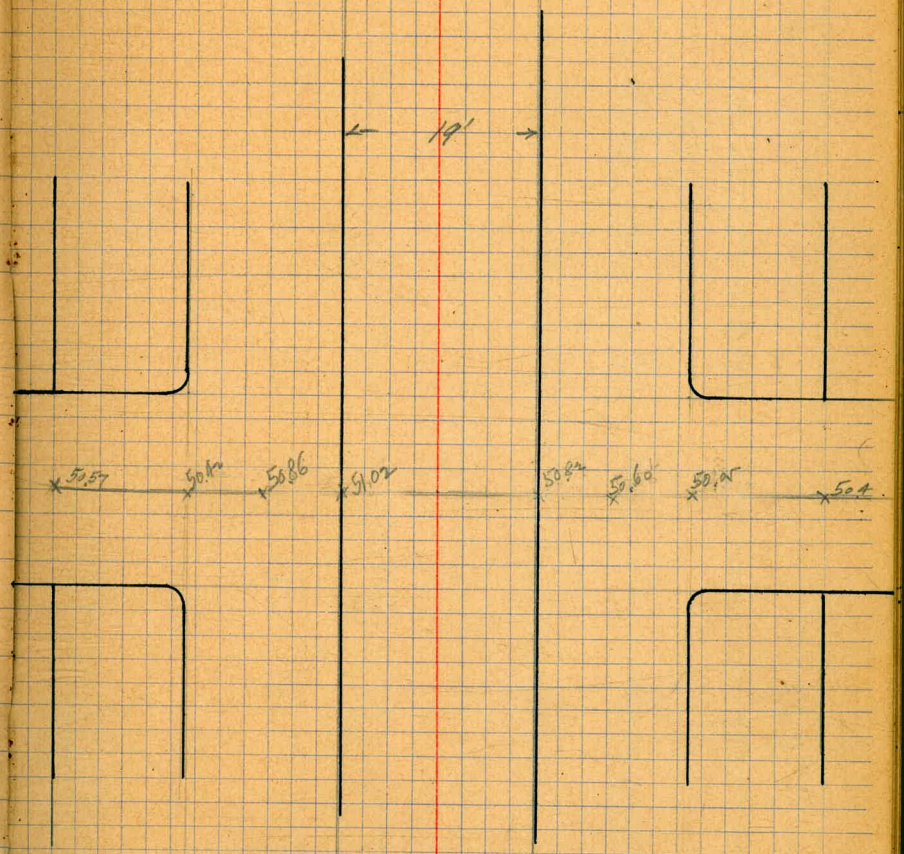
Intersection Sisson Ave

349.17 BM 3" pipe 10' N-NW of NW Sisson —



Alley between Sisson & Hugo

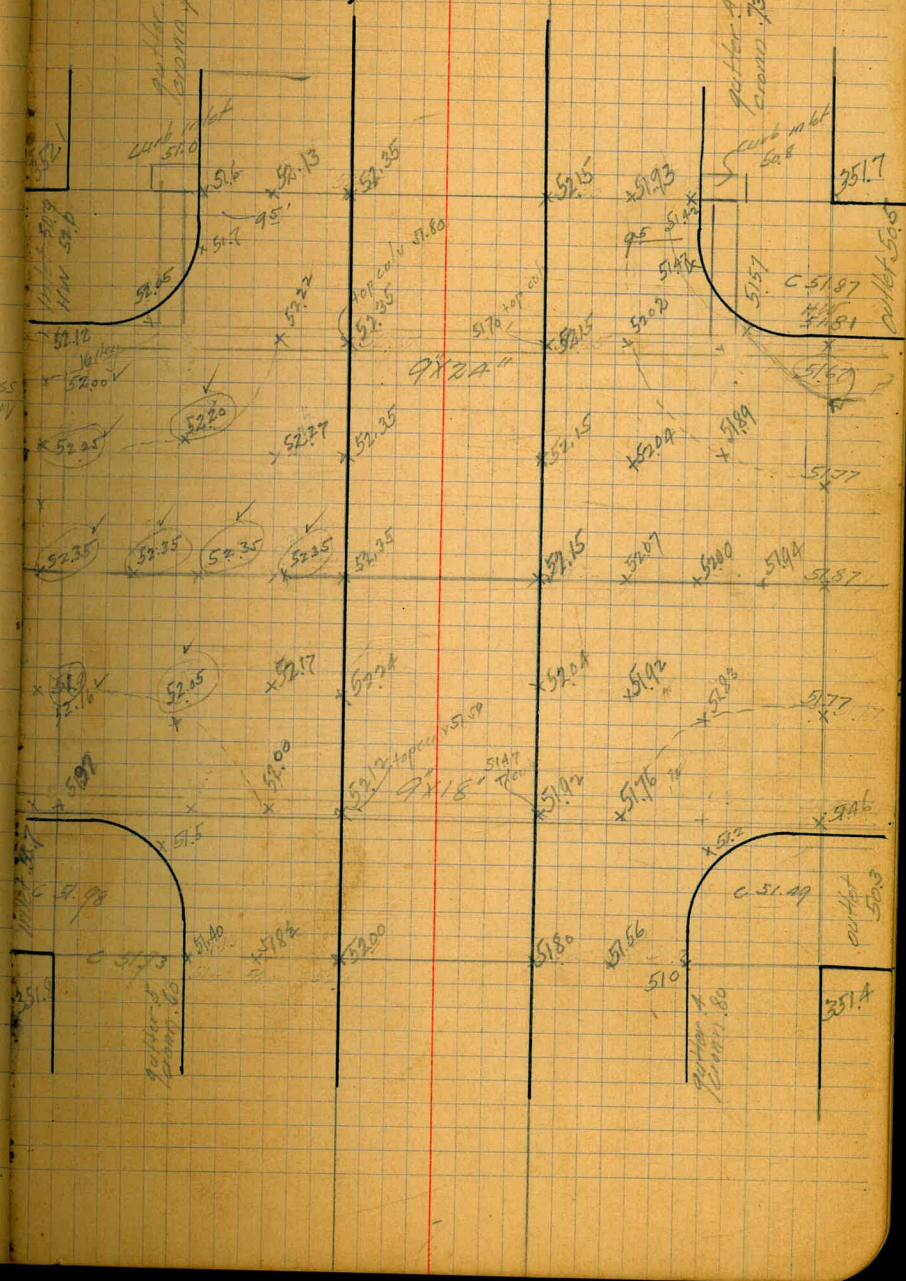
Alley bet East Sisson and Hugo. 22



Intersection Hugo

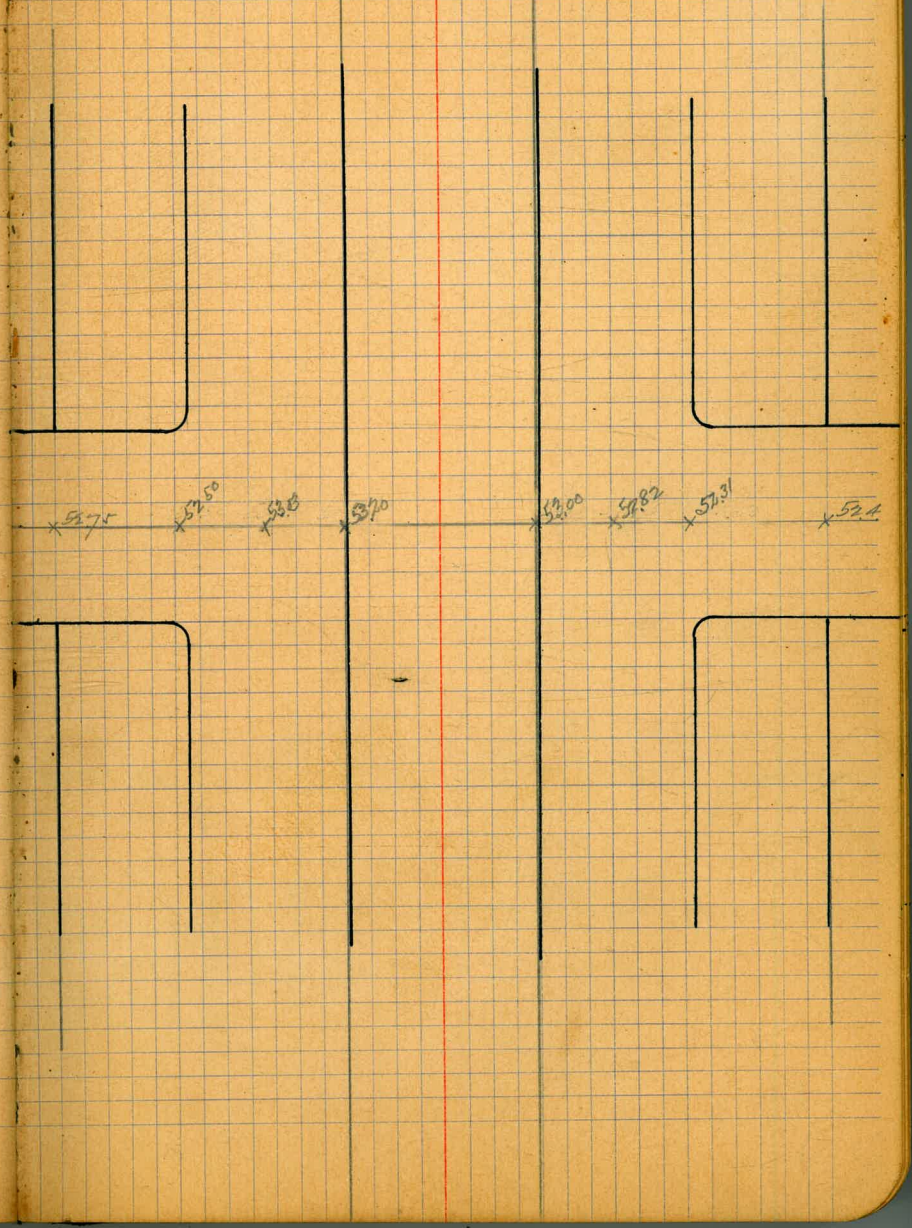
352.00 BM Brass Plug NW Cor

Hugo Avenue



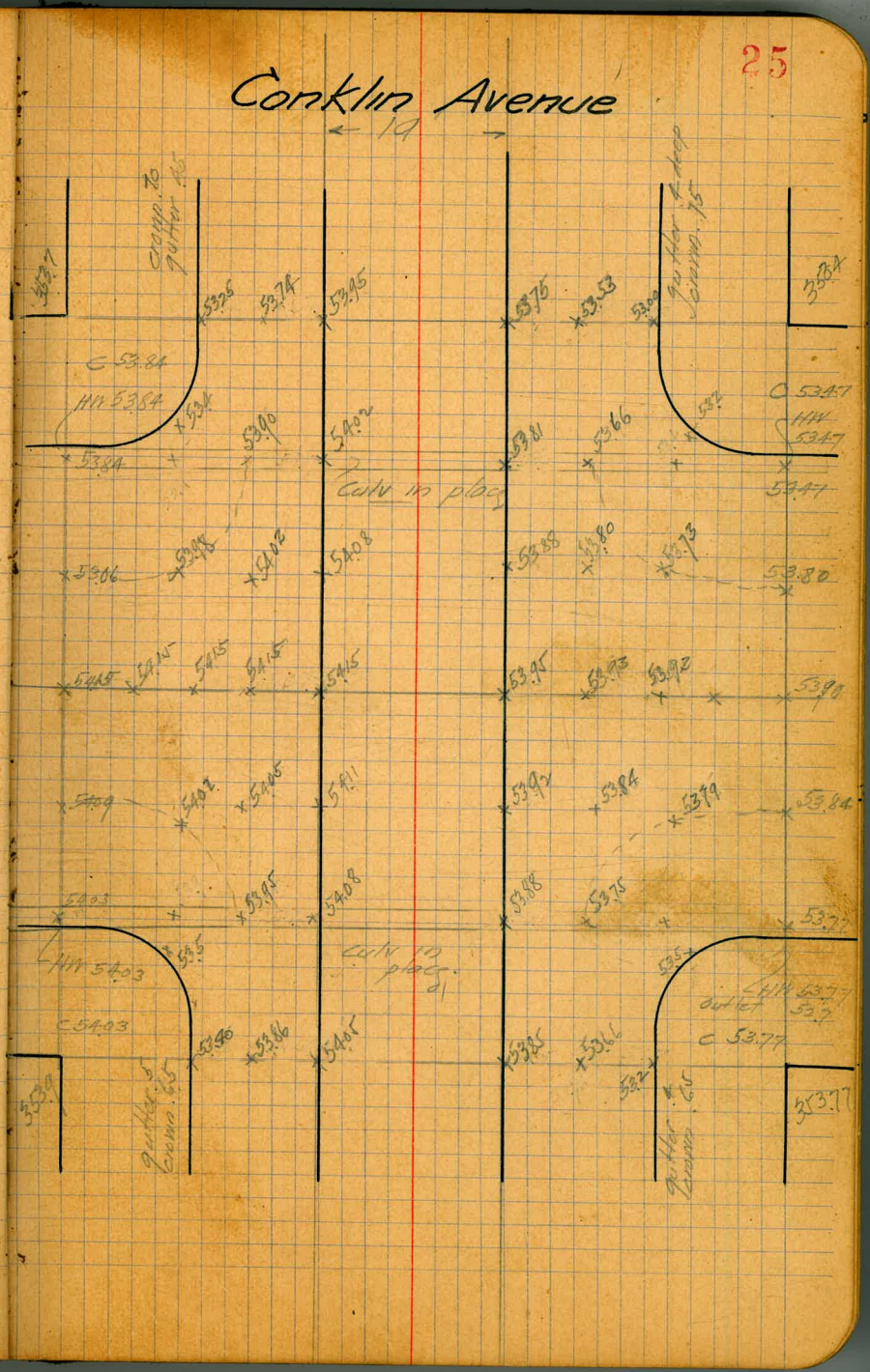
Alley between Hugo + Conklin

Alley bet Hugo and Conklin



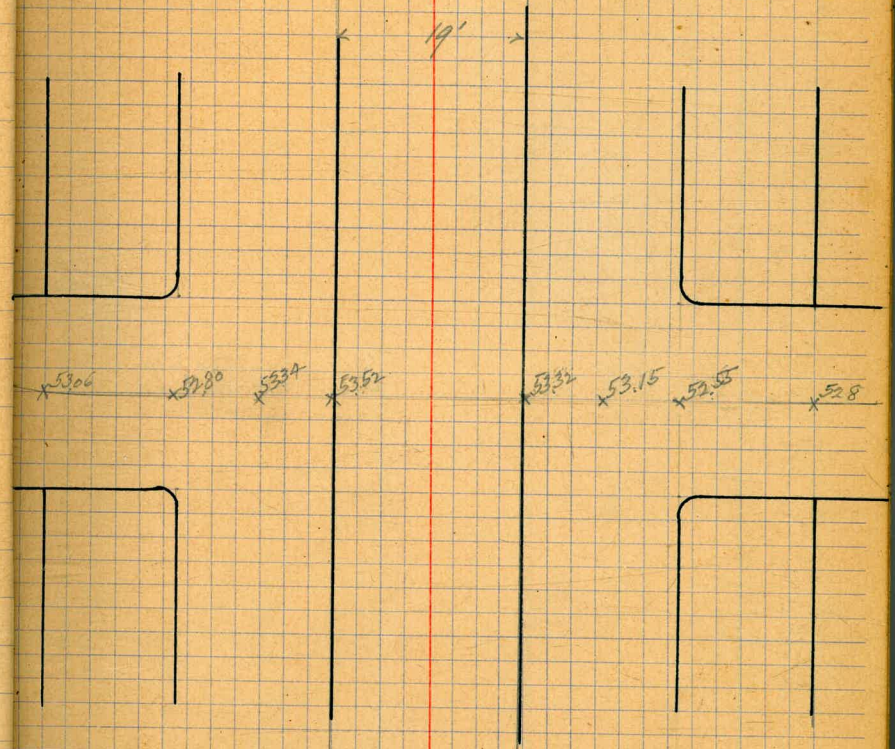
Intersection Conklin

354.04 BM-Brass Plug NW Cor.



Alley between Conklin + Stockton

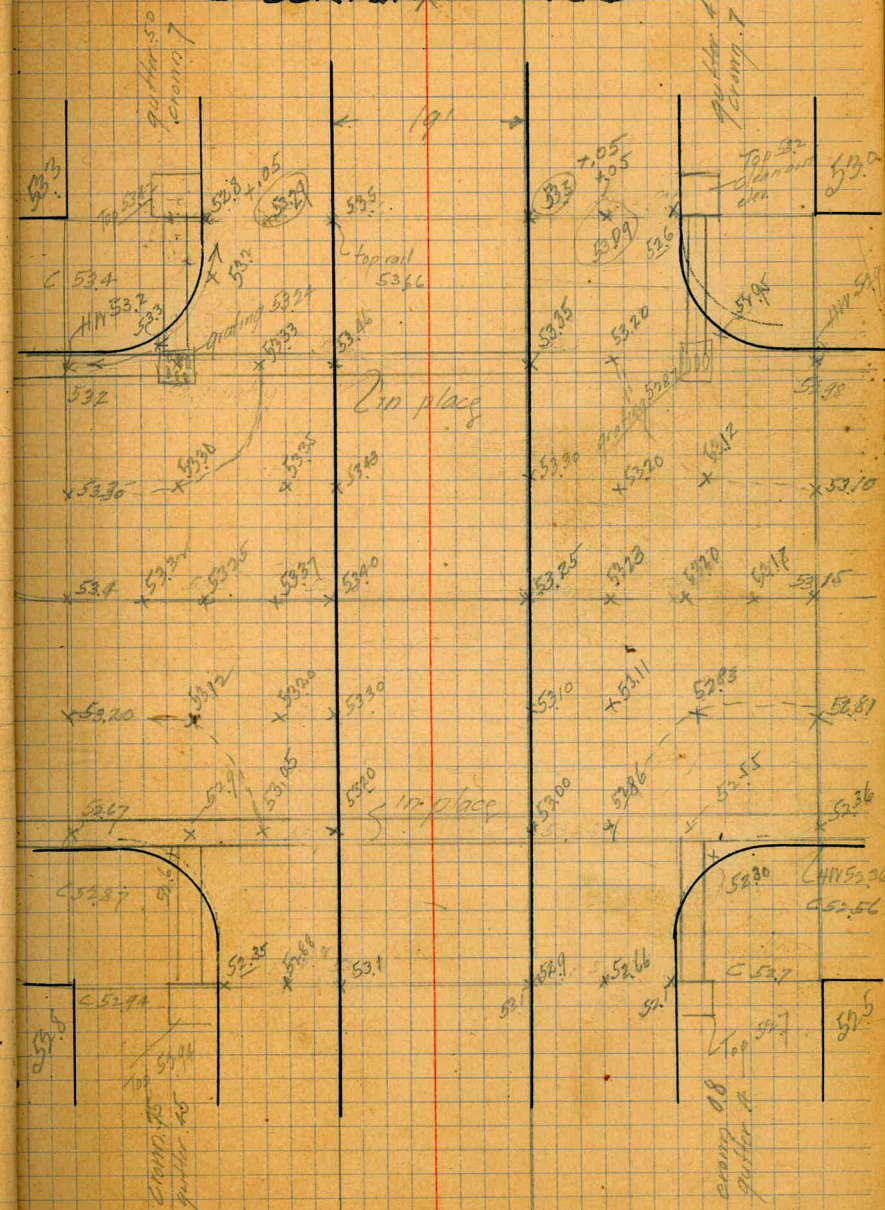
Alley bet. Conklin and Stockton



Intersection Stockton

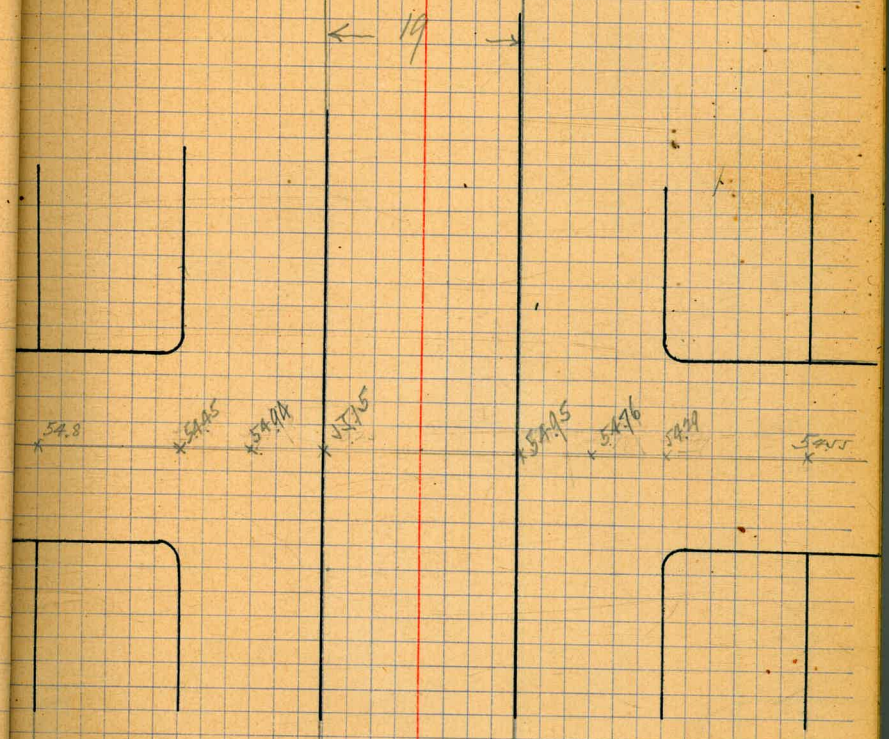
352.91 BM Brass Plug NW Cor.

Stockton Avenue



Alley between Stockton & Copeland

Alley bet Stockton 9nd Copeland



Intersection Copeland

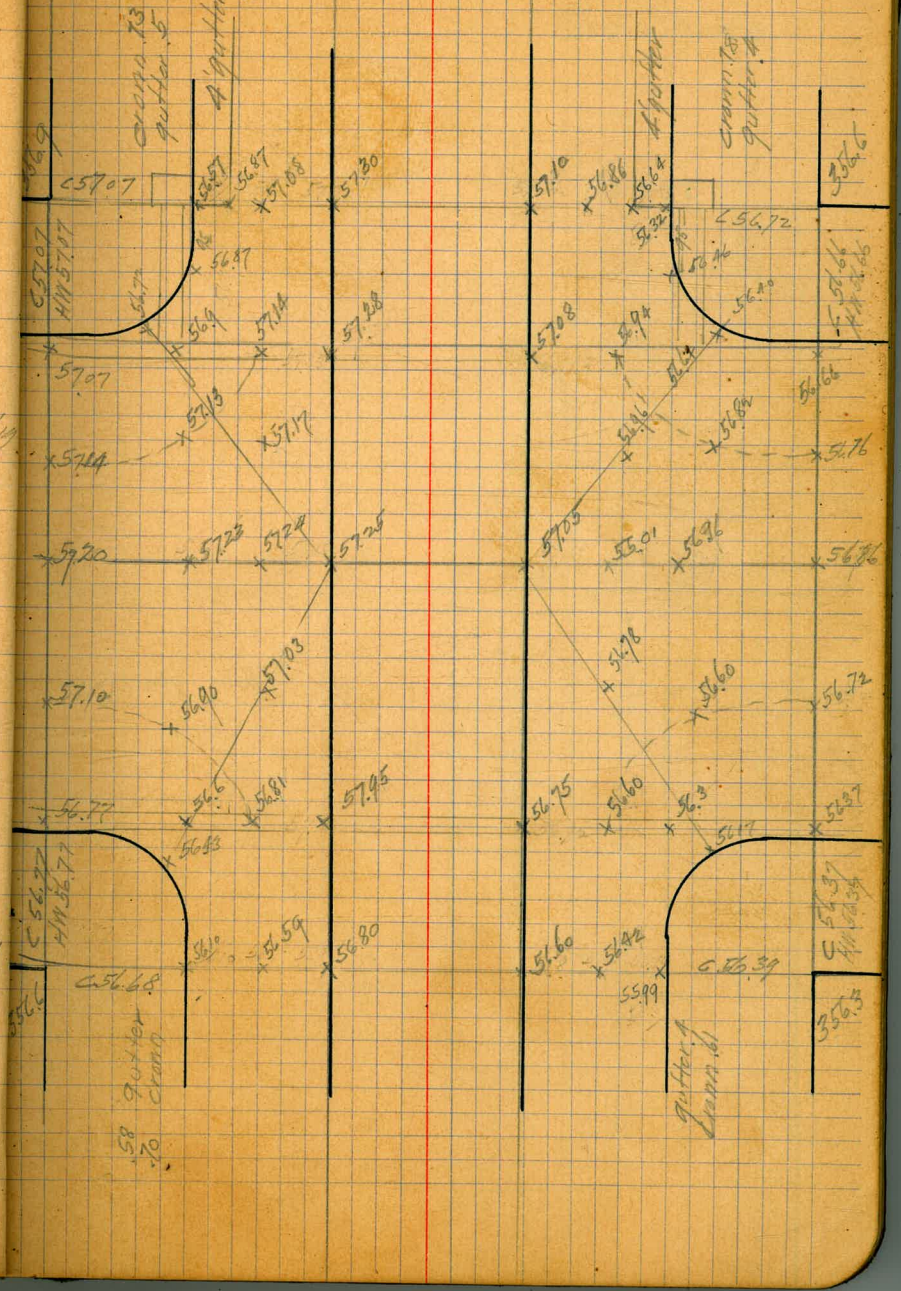
Crown North 2" above mean curb.

Crown South 2" above mean curb.

356.77 B.M. Brass Plug NW Cor.

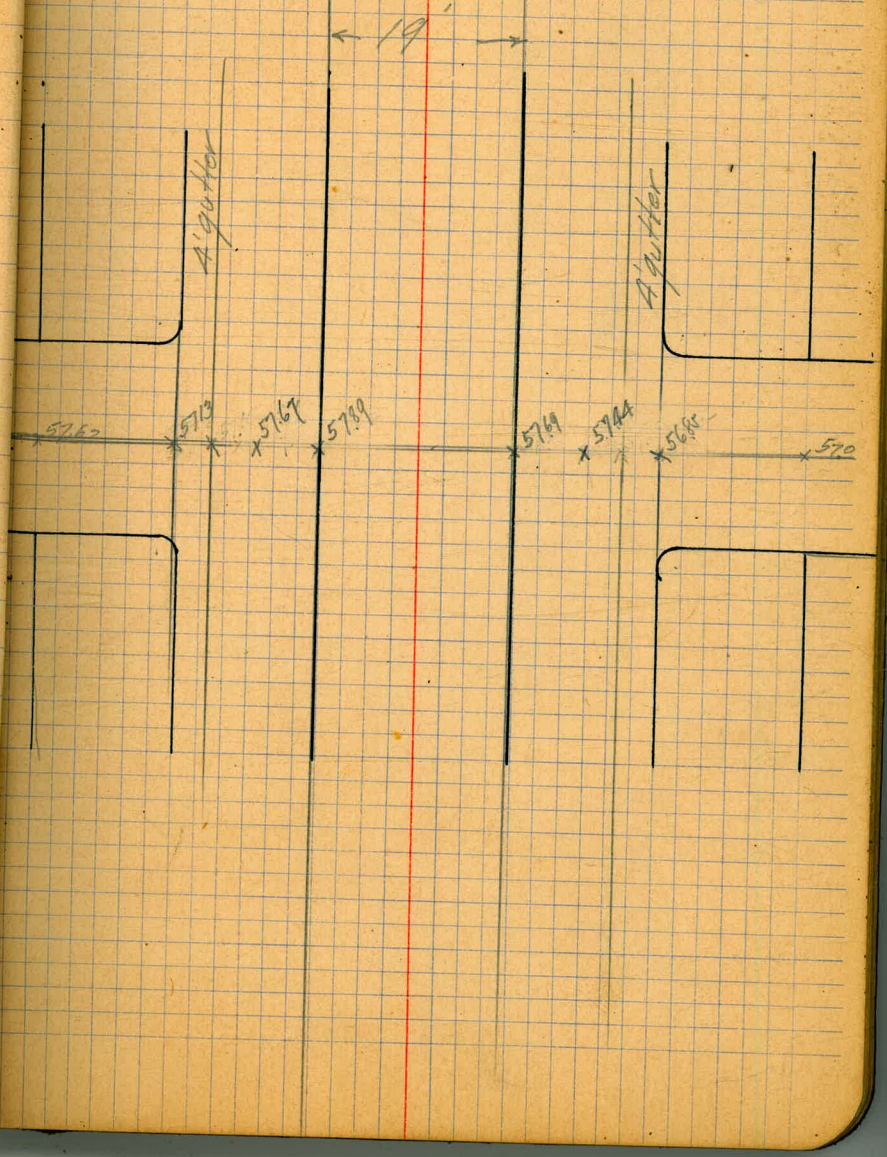
B.M. 356.77 Brass Plug NW

Copeland Avenue



Alley between Copeland + Van Dyke

Alley bet Copeland and Van Dyke



Intersection Van Dyke

Crown 4" above mean curb on north & south

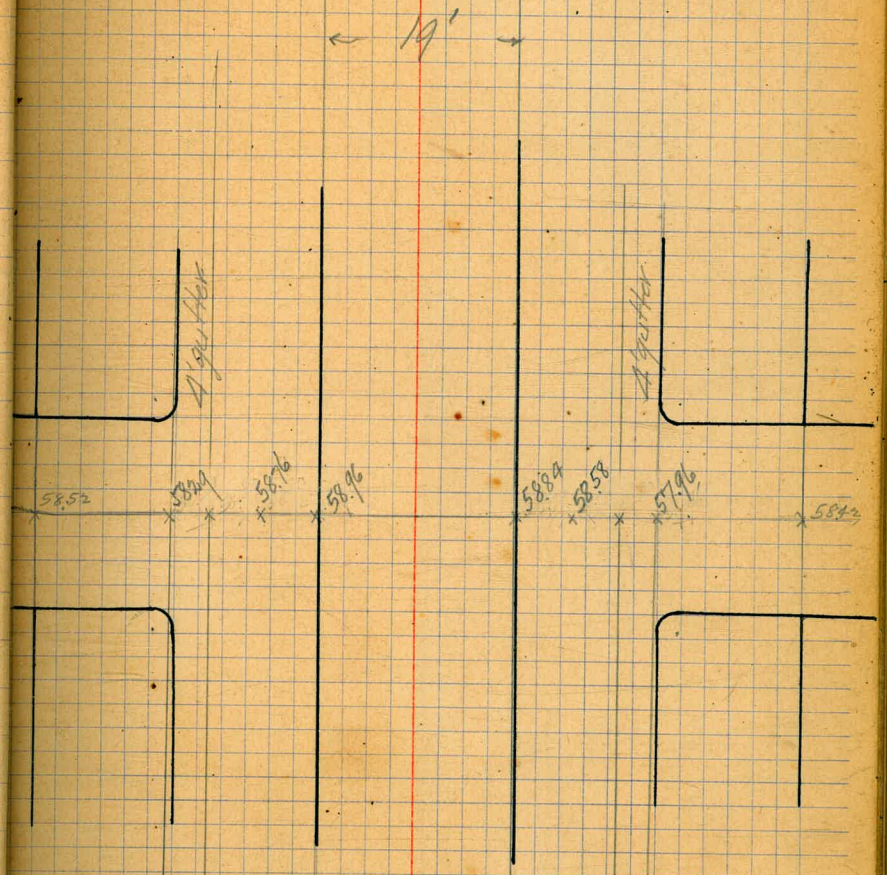
	358.15	BM- Brass Plug N.W.
B.M	358.15	Brass Plug N.W.

East

Van Dyke Avenue

Alley between Van Dyke & Pauly

Alley bet. Van Dyke and Pauly



Intersection Pauly

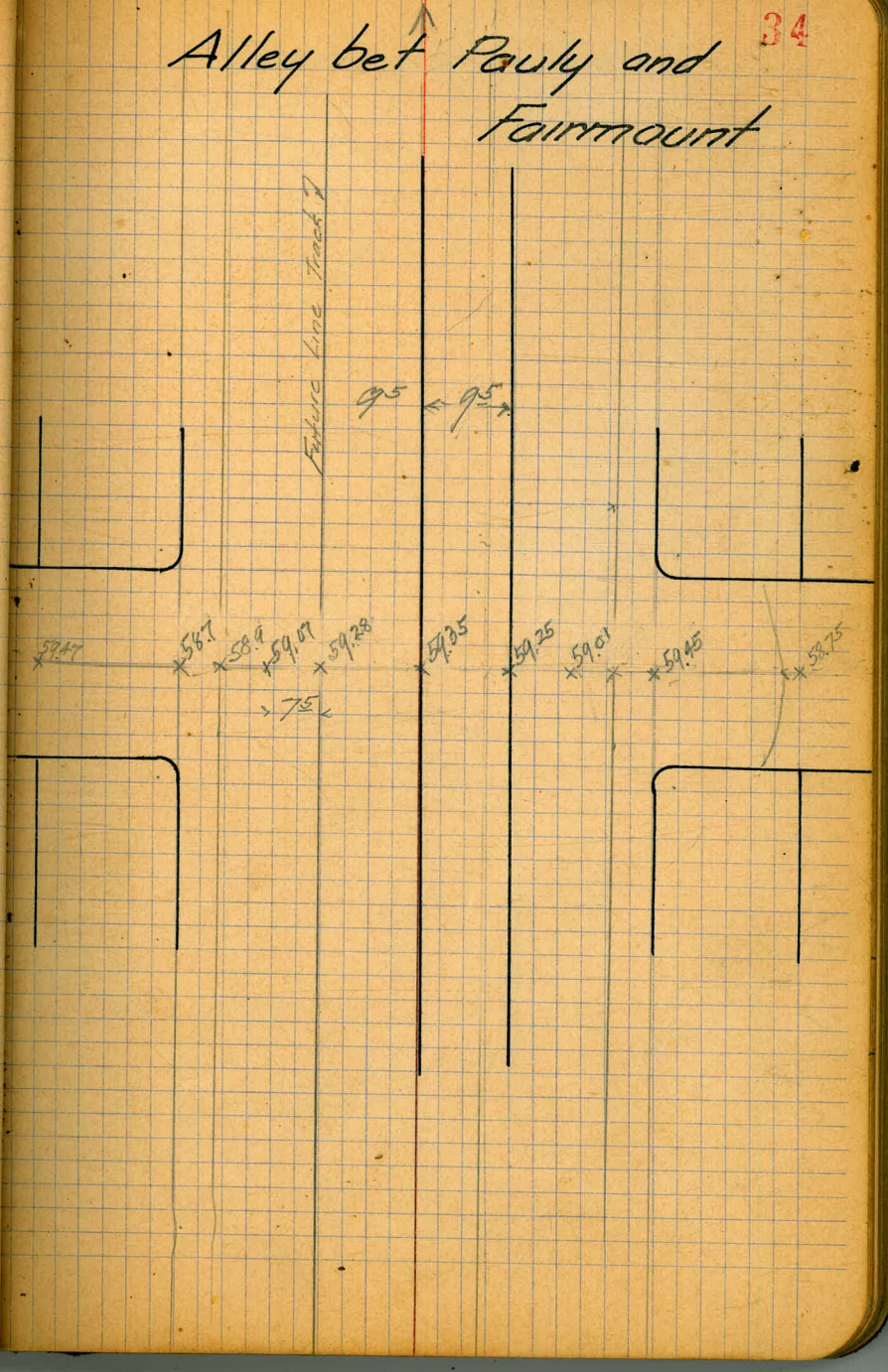
Crown on North mean bet 2 curbs
" " " " 2" above " "

	359.10	BM Brass Plug NW cor
BM	359.10	Brass Plug NW

Pauly Avenue

Alley between Pauly + Fairmount

Alley bet Pauly and Fairmount



Intersection Fairmount

to figure gutter point & from curb
slope × 0.7 = fall from header

Crown	South	1½ above mean curb elev.	59.91
	North	2" " " "	
			58.9

B.M.		359.78	Brass Plug NW –

East
Fairmount Avenue

Levels University Fairmount to Euclid

	+	H.I.	−	Elev.
B.M	3.22	363.00		359.78
E.L. Fairmount curb N.W. Colonial			6.28	356.72
B.M.	3.34	360.02		356.68
W.L. Colonial				
E.L. " W.L. Alley Col & High				
B.M. N.W.	3.63	355.81	7.74	352.18
W.L. Highland				
E.L. "				
B.M.			6.20	349.61
B.M. W.L. Cabrillo	5.43	355.01		349.58
E.L. "				
N.W. Cabrillo			6.30	348.70
"			5.81	349.20
"			5.52	349.49
"			6.38	348.63
"			5.83	349.18
"			5.48	349.53
"			5.63	349.38
"			6.02	348.99

Rods reduced by W.C.B.

Hyatt
M. Brown
Apr 10, 15

36

N. Curb	N. Rail	S. Rail	S. Curb
Brass plug curb N.W. Fairmount & Univ.			
3.32 359.68	3.50 359.50	3.62 359.38	4.52 358.48
Brass plug curb N.W. Colonial & Univ.			
3.29 356.75	3.14 356.88	3.19 356.81	3.94 356.58
3.68 356.34	3.65 356.37	3.62 356.30	3.80 356.22
4.79 355.23	4.70 355.32	4.72 355.30	4.86 355.14
Brass plug N.W. Highland & Univ.			
3.51 352.30	3.17 352.64	3.10 352.71	3.18 352.63
4.10 351.71	3.70 352.11	3.60 352.21	3.75 352.06
Brass plug N.W. Cabrillo & Univ.			
" "	" "	" "	" "
5.36 349.65		5.31 349.70	5.91 349.10
5.43 349.58		5.29 349.72	5.89 349.12
Bottom gutter on Cabrillo			
" pipe " "			
Top headwall " "			
Gutter on University			
pipe " "			
headwall " "			
Top catch-basin			
" pipe in catch basin			

Levels on University Con.

Apr 10, 18

37

	+	H.I.	−	Elev	
S.W. Cabrillo		355.01	6.87	348.14	Gutter on University
"			6.31	348.70	pipe " "
"			6.03	348.98	Headwall " "
"			6.00	349.01	Top catch basin
"			6.31	348.70	pipe in " "
"			6.99	348.02	Gutter on Cabrillo
"			6.47	348.54	pipe " "
"			5.98	349.03	headwall " "
S.E. Cabrillo			6.96	348.05	Gutter " "
"			6.51	348.50	pipe " "
"			5.97	349.04	headwall " "
"			6.83	348.18	Gutter " Univ.
"			6.45	348.56	pipe " "
"			6.02	348.99	headwall " "
"			6.08	348.93	Top catch basin
"			6.44	348.57	" pipe in "
N.E. Cabrillo			6.34	348.67	Gutter on Univ
			5.85	349.16	pipe " "
			5.58	349.43	headwall " "
			6.30	348.71	Gutter on Cabrillo
			5.79	349.22	pipe " "
			5.50	349.51	headwall " "
			5.60	349.41	Top catch basin
			5.97	349.04	pipe in " "
B.M.			1.34	353.67	Brass plug N.W. Chamoune

	+	H.I.	−	Elev
B.M.	3.34	356.96		353.62
W.L. Chamoune				
E.L. "				
W.L. Mentone				
E.L. "				
			5.74	351.22
B.M.	3.91	346.99		343.08
W.L. Menlo				
E.L. "				
B.M.	4.02	345.59	5.46	341.57
W.L. Sierra				
E.L. Sierra				
N.W. "			5.14	340.41
"			4.16	341.39
"			4.03	341.52
"			5.18	340.37
"			4.18	341.37
"			4.01	341.54
"			4.07	341.48
"			4.45	341.10
S.W. "			5.83	339.72
"			4.86	340.69
"			4.61	340.94

N. Curb	S Rail	S Curb
Brass plug N.W. Chamoune & Univ.		
3.34	3.63	3.94
353.62	353.33	353.02
3.37	3.62	3.90
353.59	353.34	353.06
5.68	5.78	5.27
351.28	351.18	350.69
6.20	6.29	6.61
350.76	350.67	350.35
Brass plug N.W. Mentone & Univ.		
Brass plug N.W. Menlo & Univ.		
3.91	3.54	3.97
343.08	343.45	343.02
4.42	4.04	4.42
342.57	342.95	342.57
Brass plug N.W. Sierra & Univ.		
4.01	4.17	4.62
341.54	341.38	340.93
4.55	4.49	4.99
341.00	341.06	340.56
Gutter on Sierra		
Top pipe "		
Head wall " "		
Gutter on Univ.		
Top pipe "		
headwall " "		
Top catch basin		
" pipe in "		
Gutter on Univ		
Top pipe "		
" headwall "		

Levels Univ Con.

	+	H.I.	−	Elev
S.W. Sierra		345.55	5.70	339.85
			4.77	340.78
			4.50	341.05
			4.77	340.78
S.E.			5.99	339.56
W.L. Euclid				
B.M.	7.71	348.31	4.95	340.60
	℄ Profile Acacia Drive			
	7.71	348.31		340.60
0+00			4.7	343.6
1+00			4.4	343.9
2+00			4.5	343.8
3+00			3.5	344.8
4+00			3.1	345.2

Rods reduced by W.C.B.

Hyatt April 11, 16.
Brown

Gutter on Sierra
pipe " "
headwall " "
Catch basin
" " on Sierra in gutter at PL. of Univ

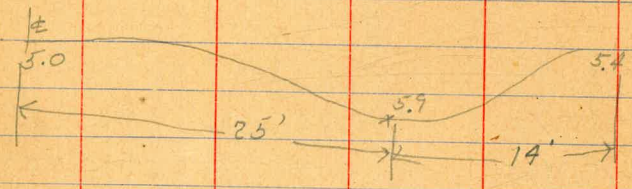
N Curb	Rail	S Curb
5.00	5.06	5.55
340.55	340.49	340.00

Brass plug N.W. Euclid + Univ.

" " " " "
= S.L. Univ.

open gutter Cor Landis & Hart

Open Gutter Kansas St.



Open Gutter Oregon St

	+	Hi.	−	Elev
B.M. W. L. Pauly	5.05			359.1
B.M.	6.09	364.24		358.15
N. header			5.45	58.79
Rail			5.35	58.89
B.M.	5.71	363.86		358.15
N.W. header			5.48	358.38
			5.38	358.48
B.M.	5.73	362.50		356.77
N.E. header			5.19	357.31
N. Rail			5.09	357.41
N.W. header			5.66	356.84
			5.56	356.94
B.M.	5.76	358.67		352.91
N.E. header			5.11	353.56
			5.01	353.66
B.M.	5.23	359.27		354.04
N.E. header			5.29	353.98
Rail			5.19	354.08
S.E. header			5.43	353.84
S.W. "			5.36	353.91
N.W. "			5.16	354.11
Rail			5.06	354.21

Header	Rail	Rail	header
N.W. Pauly & University. 5.03	4.90	4.86	4.89

Brass plug N.W. Van Dyke & University

N.W. ~~Pauly~~ " "

Brass plug N.W. Copeland & University

Brass plug N.W. Stockan & University.

Hyatt
Brown
May 17, 18.

Brass plug N.W. Conklin & University

Stakes for Railway Co.
on University

	+	H.I.	−	Elev.
B.M.	5.29	356.20		352.91
N.W. header			5.12	353.08
Rail				
B.M.	5.40	357.40		352.0
N.E. header			5.06	52.34
N.E. Rail			4.96	52.44
S.E. header			5.25	52.15
N.W. header			5.42	51.98
S.W. "			5.66	51.74
N.W. Rail			5.32	52.08
B.M.	5.22			
N.E. header			4.73	
N.E. rail			4.63	
S.E. header			4.88	
N.W. header			5.18	
N.W. rail			5.08	
S.W. header			5.32	

Brass plug in curb N.W. Stockton & University

Brass plug N.W. Hugo & Steiner.

Brass plug N.W. Sisson & Univ

Stakes for RR Co. Con

	+	H.I.	−	Elev
B.M.	5.71	63.86		358.15
N.E. Rail			4.93	58.93
S.E. header			5.20	58.66
S.E. Rail			X 5.10	58.76
N.W. Rail			5.32	58.54
S.W. header			5.58	58.28
S.W. rail			X 5.48	58.38
B.M.	5.45	62.22		56.77
N.E. Rail			4.79	57.43
S.E. header			5.02	57.20
S.E. Rail			4.92	57.30
N.W. Rail			5.29	56.93
S.W. header			5.57	56.65
S.W. Rail			5.47	56.75
B.M.	5.83	58.74		352.91
N.E. Rail			5.05	53.69
S.E. header			5.30	53.44
S.E. Rail			5.20	53.54
N.W. rail			5.53	53.21
S.W. header			5.81	52.93
S.W. rail			5.71	53.03

Hyatt Aug 15, 18
Brown

B.M. brass plug N.W Van Dyke & Univ.

B.M. N.W. Copeland & Univ.

Brass plug N.W Stockton & Univ

Stakes R R Co. Con.

	+	H.I.	−	Elev.
B.M.	5.13	359.17		354.04
N.W. Rail			5.14	54.03
S.W. header			5.25	53.92
S.W. Rail			5.15 / 5.30	54.02
S.E. header				53.87
N.E. Rail			5.05 / 5.20	54.12
S.E. Rail				53.97
N.W. header			5.14	54.03

Hyatt Aug 20, 18
Brown

Brass plug N.W. Conklin & Union

Stakes Ry Co

	+	H. I.	−	Elev.	
B. M	5.53	57.53		352.00	
N.E Header			5.16	52.37	
" Rail			5.05	52.48	
S.E Header			5.37	52.16	
" Rail			5.27	52.26	(Set)
S.W. Header			5.78	51.75	
" Rail			5.68	51.85	Set
N.W. Header			5.52	52.01	
" Rail.			5.42	52.11	
B. M.	3.75	53.37		349.62	
N.E. Header			3.25		
N.E. Rail			3.13		
S.E. Header			3.40		
S.E. Rail.			3.30		(Set)

Sept 17, 1918

W.C Brown
R Solcido

45

Brass plug N.W Cor Hugo & Univ

Brass plug N.W. cor. Sisson & Univ.

indexed
e.m.R.

X sec of Blk 37 Ocean Beach

Bet. Coronado & Santa Cruz
From Sunset Cliffs to Ebers

Moore
10-11-39

				NW BP	Coronado
	13.00	63.06		50.06	Sunset Cliffs
0-12 E cb Sunset Cliffs Blvd.					
N pav			2.59	60.47	
C "			2.51	60.55	
S "			2.60	60.46	
0+00 E.L. Sunset Cliffs Blvd.					
N cb			1.95	61.11	
N Pav			2.16	60.90	
C "			2.31	60.75	
S cb			1.98	61.08	
S Pav.			2.13	60.93	
T.P.	12.61	73.30	2.37	60.69	
0+04					
-4			4.4	69.0	
S			8.3	65.1	
+2			10.2	63.2	
C			10.7	62.7	
+5			9.3	64.1	
+8			4.9	68.5	
N			2.8	70.6	
+5			2.8	70.6	

73.30

0+25				
N			1.4	72.0
+2			1.4	72.0
+3			3.7	69.7
C			5.8	67.6
+8			4.9	68.5
S			3.5	69.9
+5			2.3	71.0
0+48 C +9.3 on S Po. Pole				
0+50				
S			0.0	73.4
+2			0.4	73.0
+3			1.4	72.0
C			1.3	72.1
+3			0.8	72.6
+4			0.0	73.4
N			+2.0	75.4
0+54 C +9.8 on N Tel. P				
T.P.	12.75	85.50	0.55	72.75
0+75				
N			7.6	77.4
+4			9.1	76.4
C			9.3	76.2
+7			9.4	76.1
S			8.5	77.0

85.50

1+00

S		5.1	80.4
+4		5.8	79.7
C		5.6	79.9
+5		5.4	80.1
N		4.6	80.9

1+35

N		0.6	85.1
C		1.1	84.4
+7		1.2	84.3
S		0.4	85.1

1+49 C+9.6 on S. Po. Pole

T.P.	12.55	97.61	0.44	85.06

1+75

S		8.2	89.4
C		8.4	89.2
+5		8.4	89.2
N		7.5	90.1

1+91

N		6.8	91.3
C		6.5	91.1
S		6.8	90.8
+4.2 S.W. gar dirt		6.8	90.8

97.61

2+00

S		6.4	91.2
C	S.M.H. R.M.	5.25	92.36
N		5.7	91.9

2+01 on N. Tel. Po. on Line

2+30

N		2.5	95.1
C		2.9	94.7
S		2.6	95.0
T.P.	5.40	10.07	0.94	96.67

2+73 C+9.5 on S Po. Pole

2+83

-3.1 S.W. gar. cem.		3.48	98.39
S		4.0	98.1
C		4.7	97.4
N		4.5	97.6

3+16

-2.4 S.W. gar. cem		4.63	97.44
N		4.6	97.47
C		4.7	97.4
S		4.0	98.1

3+27 on N. Tel. Pole on Line

10.2.07

3+50		
S	4.9	97.2
C	5.4	96.7
N	5.6	96.5
3+74 C +9.4 on S Po. Pole		
4+00		
N	8.1	94.0
C	7.3	94.8
+6	7.1	95.0
S	6.6	95.5
4+30		
S	8.2	93.9
C	8.6	93.5
N	9.5	92.6
+8.5 S.W. gar. dirt	9.9	92.2
4+52		
N	9.3	92.8
C	8.8	93.3
S	8.6	93.5
4+53 C +9.6 on N. Tel. Po.		
4+75		
S	8.2	93.9
C	8.5	93.6
N	8.2	93.9

10.2.07

4+99 C +9.5 on S Po. Pole		
5+10		
N	6.5	95.6
C	6.5	95.6
S	5.7	96.4
+38 S.W. gar. corn.	4.95	97.12
T.P. 0.99 98.04	5.02	97.05
4+52 for drain to North		
N +40	6.4	91.6
N +90	8.2	89.8
N +140 = S.L. Santa Cruz	8.6	89.5
N +160 Top CB	8.62	89.62
" " out	9.01	89.03
T.P. 8.54 105.41	0.99	97.05
5+50		
S	5.8	99.8
C	6.3	99.3
N	6.4	99.2
5+75		
N	4.5	101.1
C	4.4	101.2
S	3.9	101.7
5+94 C +9.8 on N Tel Pole		

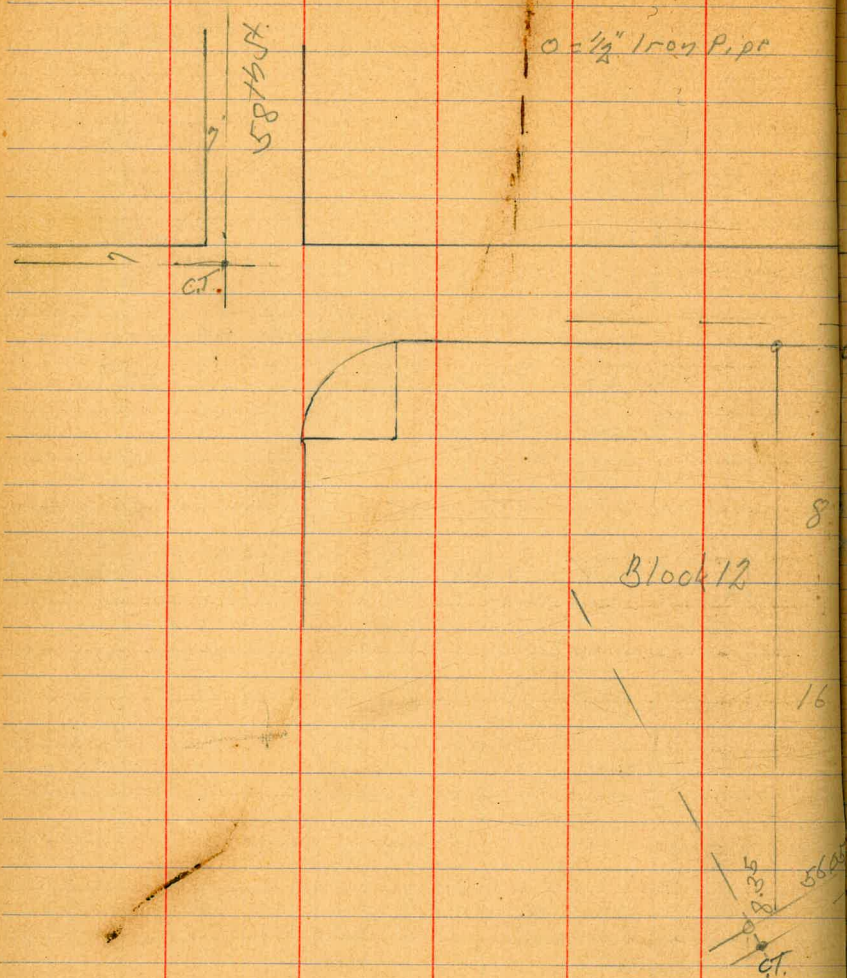
105.41

S 1.99 W 4 Ebers

S	c6	3.35	102.26
S	Par	3.77	101.84
C	"	4.22	101.39
N	"	3.94	101.67
N	c6	3.85	101.76
	W c6 Ebers		
N	Par	4.58	101.03
C	"	4.33	101.28
S	"	4.09	101.52

S.E. Top F.H. Santa Cruz Ebers 7.4W 97.99 97.97 0.02

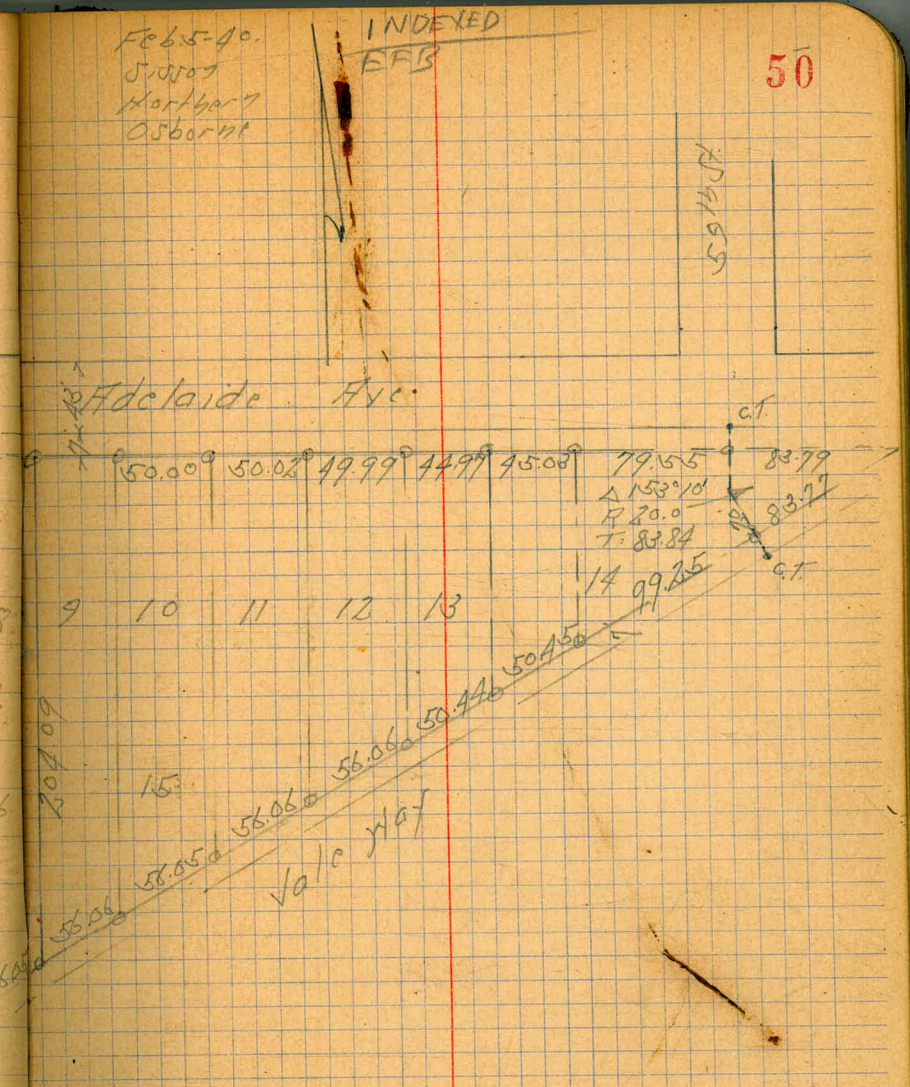
Check Re. Sub Lots 10 to 15 Block 12
El Cerrito Hts Unit No 2



Feb 5-40.
Sisson
Hartberg
Osborne

INDEXED
EFS

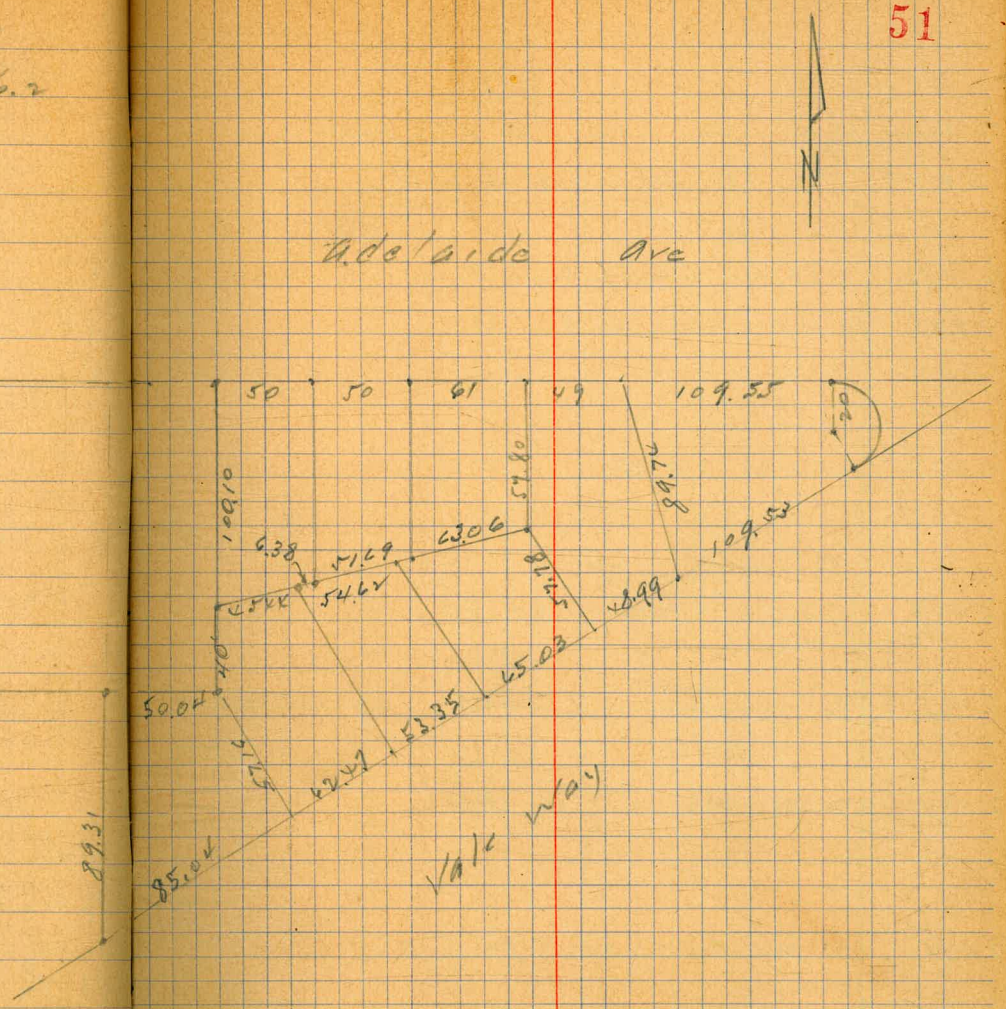
50



Check Recub. Lots 10 to 15
Blk 12 El Cerrito Hts Unit No. 2

See p 50 for angles

Moore
Sisson
Northern
2-26-40



Moore 6-8-40. LOCATION of Bldgs, Poles etc
Estudillo & Kurtz STS

INDEXED
EFB

7+00 16 Rt. Sta. RR Xing Post
6+69 12 RT Blk. Signal # 2651

6+48 10' LT Whistle Post
6+25 W.U. Tel Pole 37 RT

4+77 W.U. Tel 37 RT.

3+35 W.U. Tel. Pole 37' RT

3+15 171' LT = Power Pole 73' LT = P.P. 69 RT = P.P.

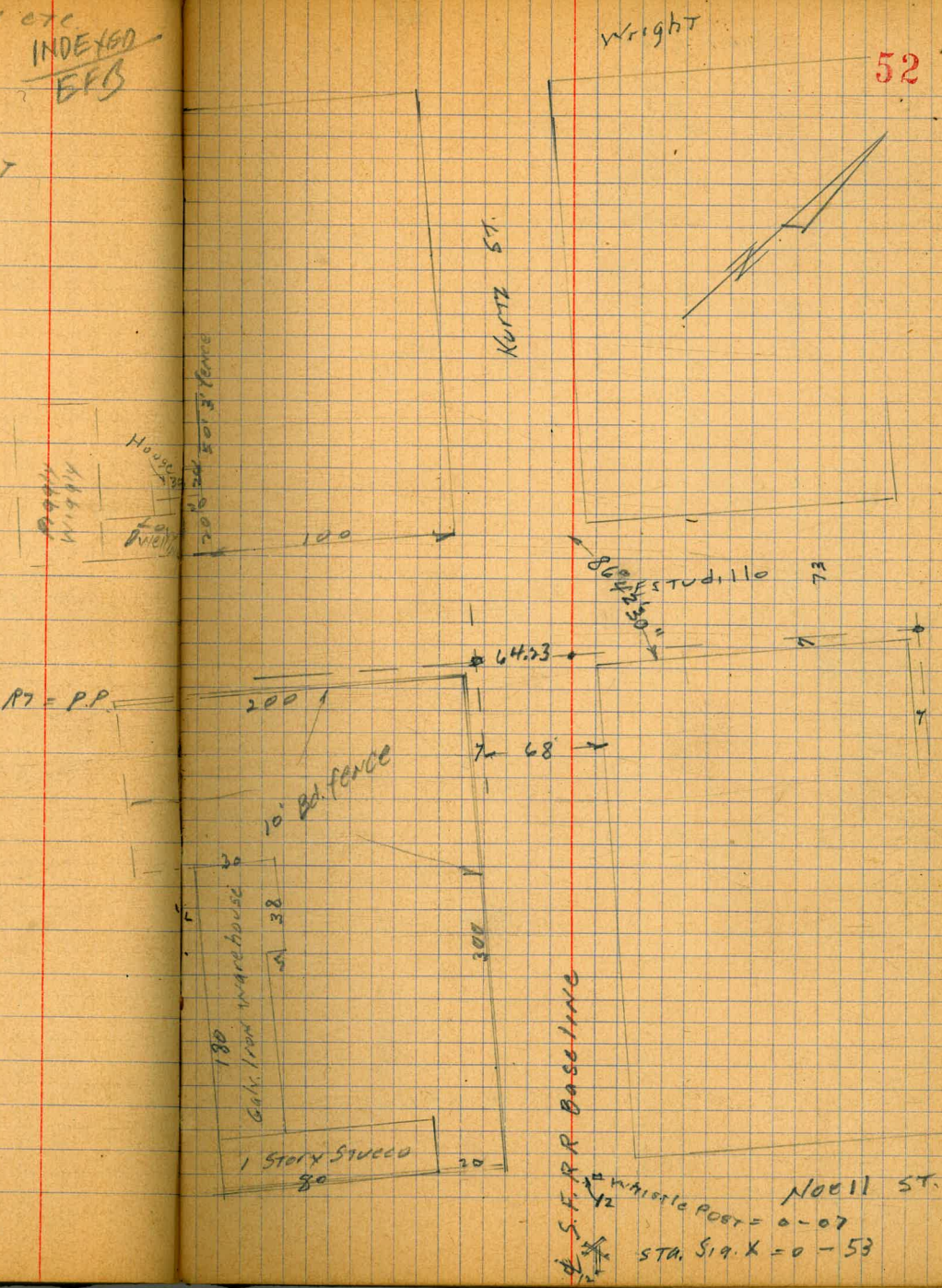
1+92 W.U. Tel. Pole 37 RT.

1+35 Do. D.M. for Guy Pole 52 LT

0+97 P.P. Guy Pole 50 LT.

0+47 W.U. Tel. pole 38 RT ℄ R.R.

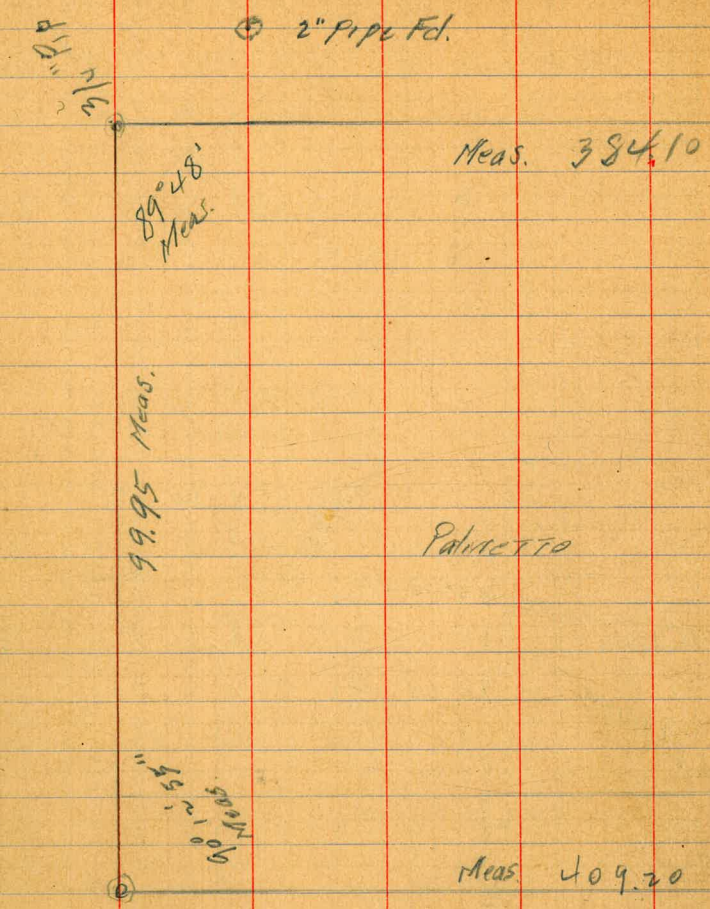
0+00 = NL Noell ST

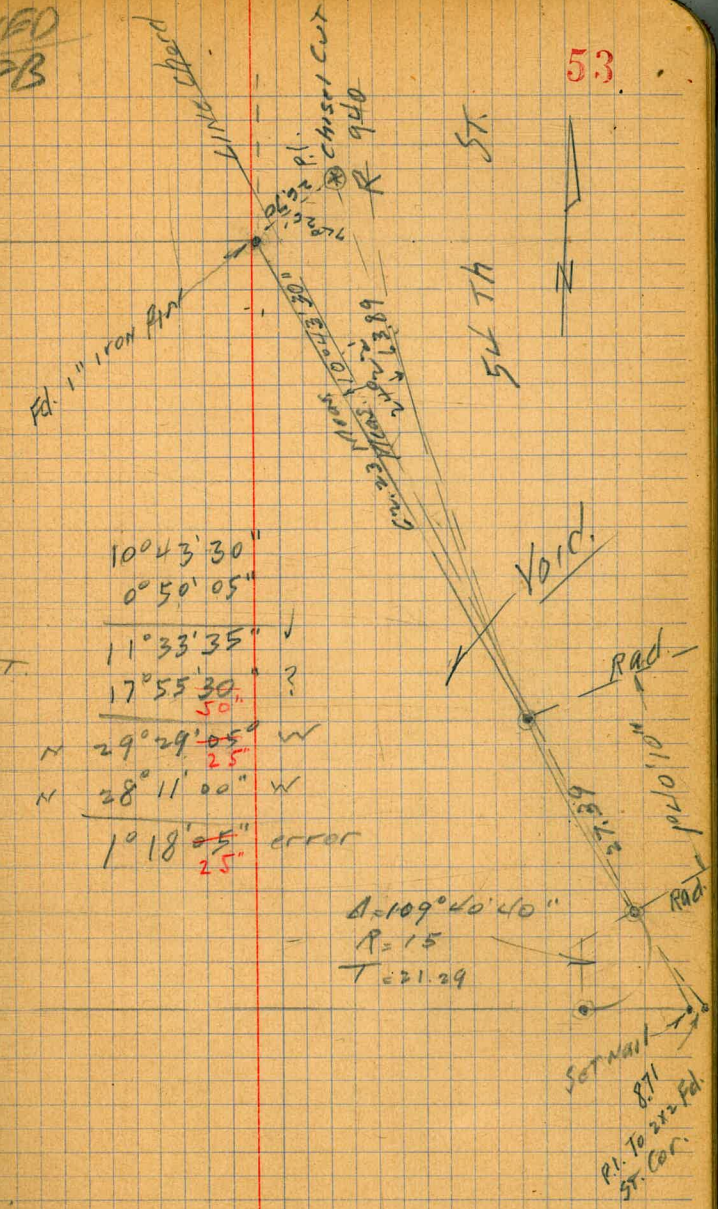


Check Survey of Palmetto Tract

Moore 6-18-40.

INDEXED EPB



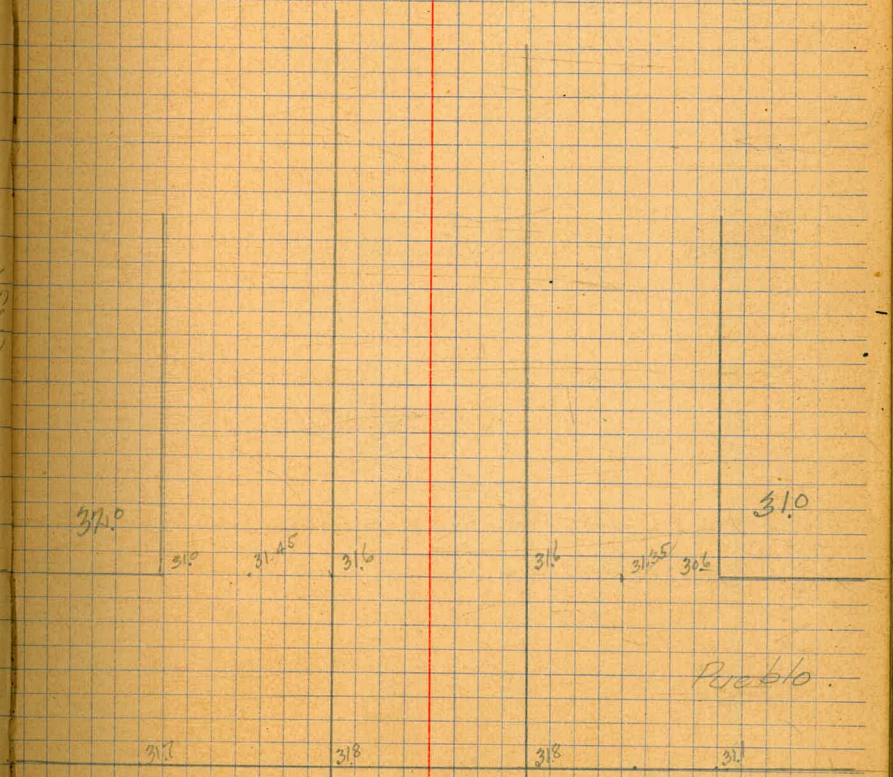


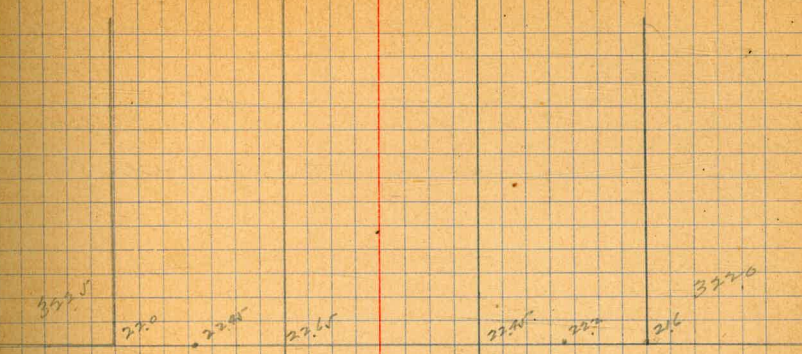
10°43'30"
0°50'05"
11°33'35" ✓
17°55'~~30~~" 50" ?
N 29°29'~~05~~" 25" W
N 28°11'00" W
1°18'~~05~~" 25" error

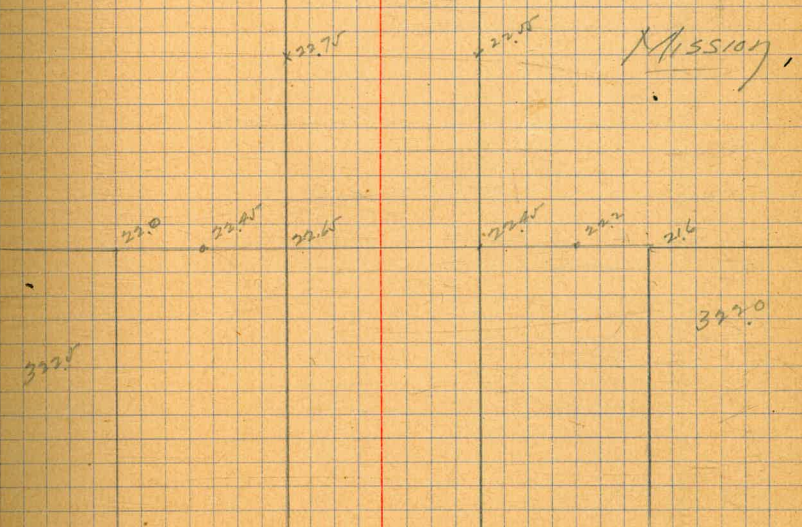
def. 4°17'30"
chord 140.68 to pipe

def. 5°07'35"
ch 27.39

340.29	Iron pipe N. of W. Ring Wabash
330.76	Fillmore N.W. NW Wabash & Fillmore
325.37	Mission 3/4" pipe NW-NW cor. Mission & Fillmore 7.6 N of N line




322.5
22.0
22.45
22.65
22.45
22.2
21.6
322.0


22.75
22.55
Mission
22.0
22.45
22.65
22.45
22.2
21.6
322.0
322.5

352.89

Scott
BM - pipe
4.3' E and
2 N of NE
Scott's
Steiner

Moore
7-22-40.

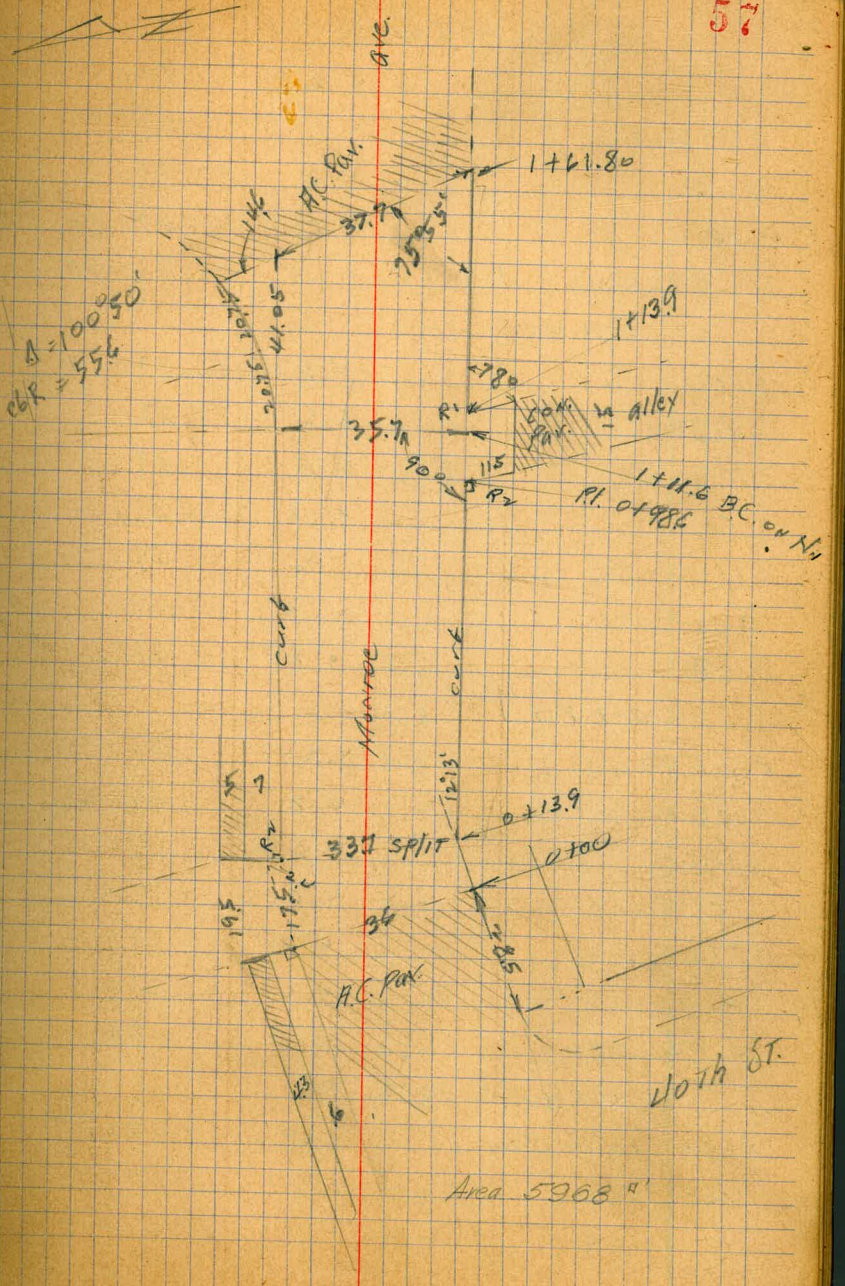
X sec Monroe Ave.
North to Terrace Dr.

			372.63	North
S.W. T'C.T.		2.95	375.58	372.29 Monroe
	0-28.5			
S c6		2.91	372.67	
gut Pav		3.40	372.18	
E "		3.75	371.83	
gut "		4.74	370.84	
N c6 "		4.28	371.30	
	0+00			
N		4.2	371.4	
+1.7 Top end c6		4.26	371.32	
c6 " c6		4.40	371.18	
gut Pav		4.86	370.72	
1/4 "		4.37	371.21	
C "		4.06	371.52	
1/4 "		3.96	371.62	
gut "		4.11	371.47	
S c6		3.58	372.00	
	0+13.9			
S c6		3.81	371.77	
gut		4.1	3715	
1/4		4.1	3715	

Reduced & Plotted by AH Cole 7/24/40
Profile 1787

INDEXED
EFG

57



375.~~74~~ 58

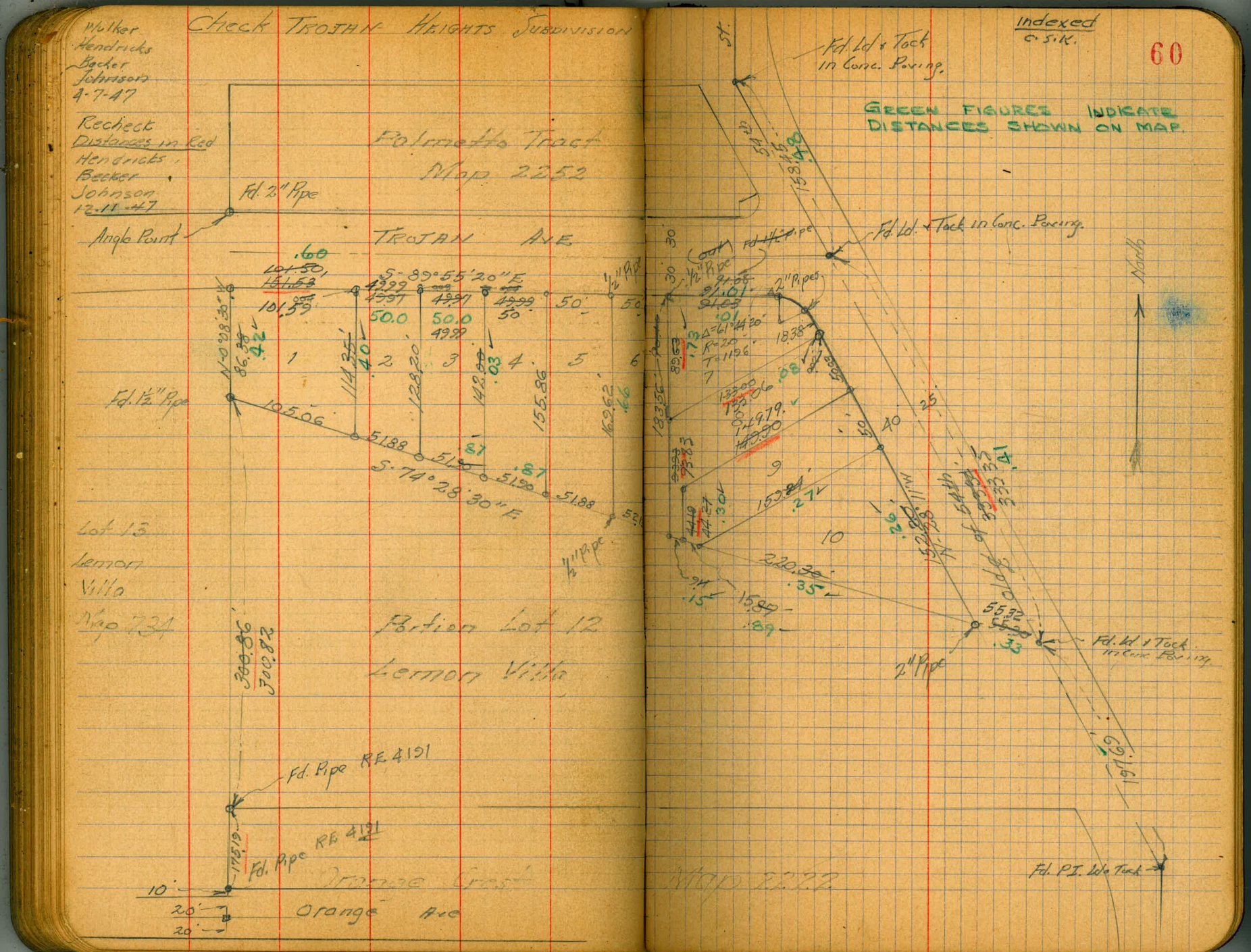
c	4.2	371 4
1/4	4.4	371 2
gut	4.9	370 7
N cb	4.56	371 02
NL Top and Rot	4.24	371 34
0 + 40		
N cb	4.87	370 71
gut	5.2	370 4
1/4	4.6	371 0
c	4.8	371 3
1/4	4.2	371 4
gut	4.3	371 3
S cb	3.87	371 71
0 + 80		
S cb	4.24	371 34
gut	4.8	370 8
1/4	4.6	371 0
c	4.6	371 0
1/4	4.9	370 7
gut	5.4	370 2
N cb	5.10	370 48
0 + 98.6 = alley Pl.		
N cb in drive	5.69	369 89
1/4	5.2	370 4
c	4.7	370 9

375.~~74~~ 58

1/4	4.7	370 9
gut	5.0	370 6
S cb	4.54	371 04
SL cb	4.37	371 21
SL Pav.	4.92	370 66
+ 10 "	4.83	370 75
℄ alley to South		
− 10 Pav.	5.00	370 58
SL "	5.10	370 48
1 + 11.6		
S gut	5.2	370 4
1/4	4.8	370 8
c	4.8	370 8
1/4	5.3	370 3
gut	5.7	369 9
N cb B.C.	5.43	370 15
1 + 13.90 = EL alley		
S gut	5.2	370 4
S cb	4.62	370 96
SL Top cb.	4.49	371 09
" Pav.	4.95	370 63
+ 10 "	4.87	370 71
1 + 36.7 on S to Center Curve		
S cb	4.88	370 70
gut	5.4	370 2

375. ~~PC~~
-58

1/4	5.1	370 5
C	5.0	370 6
1/4	5.5	370 1
CL	5.8	3698
+ 3.5 gut	5.9	3697
N CL	5.69	36989
.1 + 61.8 edge	par.	
N CL	5.71	36987
gut. par	6.20	36938
20' NE " in gut	4.81	36927
N CL + 14.6 par.	5.6K	36994
1/4 "	5.50	37008
C "	5.43	37015
1/4 "	5.48	37010
gut "	5.80	36978
S CL Top.	5.07	37051
20' E of above gut par	5.79	36979
40' " " " "	5.86	36972
		build up par.


Check Trojan Heights Subdivision
Wulker
Hendricks
Becker
Johnson
4-7-47
Recheck
Distances in Red
Hendricks
Becker
Johnson
12-11-47
Palmetto Tract
Map 2252
Fd. 2" Pipe
Angle Point
Trojan Ave
S-89°55'20"E
Fd. 1½" Pipe
S-74°28'30"E
Lot 13
Lemon
Villa
Map 734
Portion Lot 12
Lemon Villa
Fd. Pipe RE 4191
Orange Crest
Orange Ave
Indexed
C.S.K.
60
Green Figures Indicate
Distances Shown on Map.
Fd. Ld. & Tack in Conc. Paving
Fd. Ld. & Tack in Conc. Paving
2" Pipes
2" Pipe
Fd. Ld. & Tack in Conc. Paving
Fd. P.I. Ld. Tack
North
Map 2222

Rail Grades:

North Track

Fairmount	Permt Elev.	Present Elev.	To be raised	To be Lowered
E. Prop. line	59.65			
Center "	59.70			
W. Prop "	59.65	59.3	.35	
Pauly-				
E. Prop "	59.35	59.0	.35	
Center "	59.29			
W. Prop "	59.23	58.79	.44	
Van Dyke				
E. Prop "	58.90	58.4	.50	
center "	58.80			
W. Prop. "	58.58	58.4	.18	
Copeland-				
E. Prop "	57.32	56.9	.42	
center "	57.15			
W. prop "	56.90	56.4	.50	
Stockton				
E. Prop "	53.60	2		
center "	53.30			
W. Prop "	53.20	2		
Conklin				
E. Prop "	54.05	53.9	.15	
center "	54.15			
W. Prop "	54.15	54.4		.25

South Track

Permt	Present	To be raised	To be Lowered
58.75	58.3	.45	
58.60			
58.41	58.3	.11	
57.22	56.9	.32	
57.05			
56.80	56.4	.40	
53.50	2		
53.20			
53.10	2		
53.95	53.9	.05	
54.05			
54.05	54.4		.35

Rail Grades

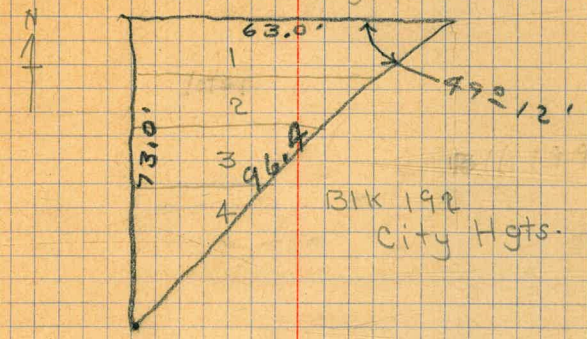
North Track

Hugo	Permt.	Present Elev.	To be raised	To be lowered
E. Prop. line	52.45	52.5		.05
center "	52.35			
W. Prop "	52.20	51.9	0.30	
Sisson				
E. Prop "	50.15	48.9	1.20	
Center "	49.95			
W. Prop "	49.75	48.3	1.45	

South Track

Permt.	Present Elev.	To be raised	To be lowered
52.30	52.4		.10
52.20			
52.05	51.9	0.15	1
50.0	48.8	1.2	
49.8			
49.6	48.3	1.3	

Property at Scott & Univ
to be Condemned for St.
University Ave



Slopes Corrected Parabola –

Total –	¼	½	¾
04	.04	.12	.24
05	.05	.15	.30
06	.06	.18	.36
07	.07	.21	.42
08	.08	.24	.48
09	.09	.27	.54
1.0	.10	.30	.60

ENGINEERING DEPARTMENT,
CITY OF EAST SAN DIEGO,
CALIFORNIA.

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.