1866

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be 30.6+(20—16)÷2 or 2 ft. added to 30.6 =32.6. For slopes of 1 on 1½ see inside of back cover.

INDEXED
through page #69

This Field Book is manufactured of a High Grade 50% Rag Paper having a WATER RESISTING SURFACE, and is sewed with Bing Special Enamel Waterproof thread.

Made in U. S. A.

Page

1

5 - Alley Blk. 35 Ocean Beach

40 alley Blk 103 - Mission Beach

46 alley Blk 104 - " "

34 alley Block 99 - " "

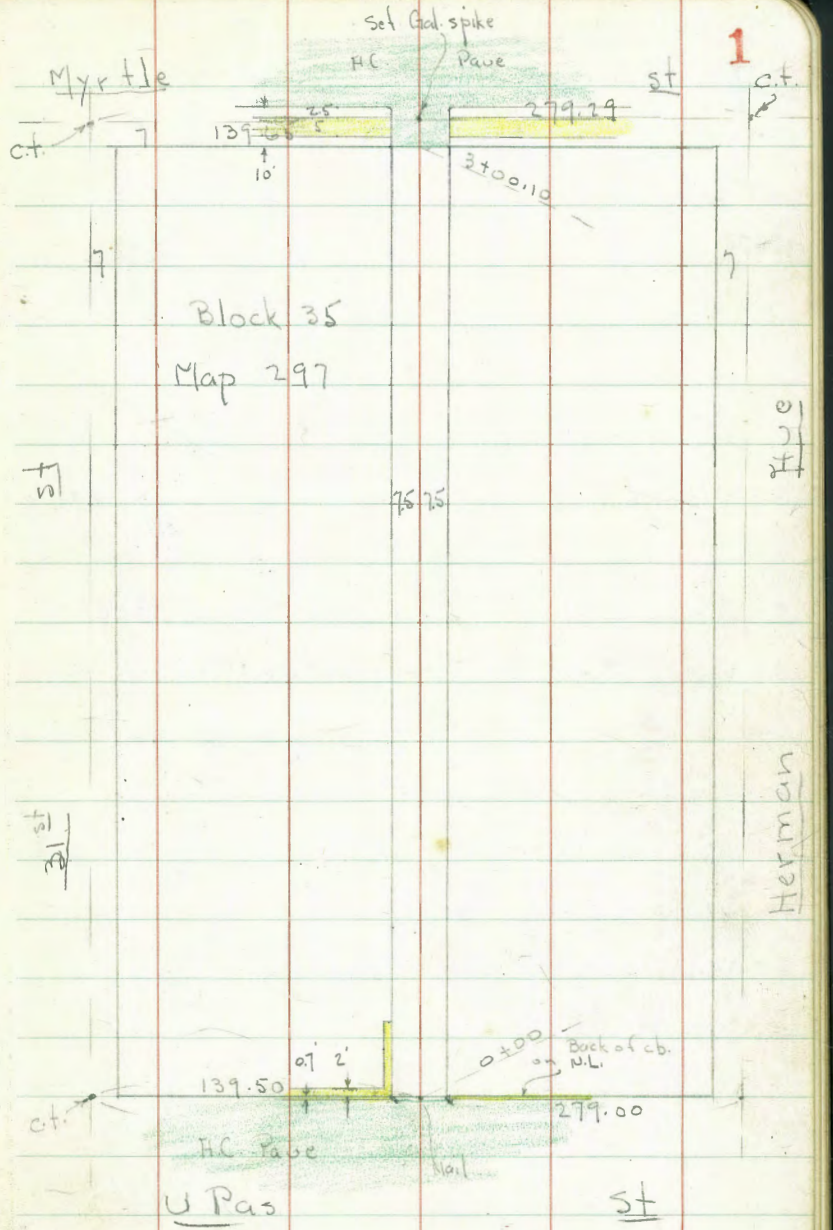
Herman

X-Sect. 15' Alley in Block 35

Park Villas

2480 7-7-48

W.O. 31373 7.0.



X-Sect. 15' Alley - Blk 35.

INDEXED

0+31.5 - 7.8 Rt. = Cor. House - Conc found.

0+25

0+21.5 - 7.4 Lt. = ℄ ±Ely. of 5.3' Conc. steps

0+18.6 - 7.5 Lt. = end 2' walk at Conc. steps

0+15.6 - 7.8 Rt. = Cor of Wing of House

0+05

0+01.5 - 1 Lt. = ℄ Sewer MH. 4.97 on Rim

0+00 - 7.5' Lt. = Beg. W. Ely. of 2' Conc. Walk - Joins cb.

0-00.7 = face of 1 cb. & edge of AC Pave

0-12 = ± Rdwy.

1.30 330.29 328.99

B.P. N.W. 31ST & UPAS

Lt = W ℄ Rt. = E

2

326.1 4.2 10.2 along House

326.1 4.2 7.5

325.3 5.0

325.2 5.1 7.5

325.3 5.0 7.4 ground

325.2 5.1 7.8 = along House

326.49 3.80 7.8 floor

327.84 2.45 10.3 floor House

326.49 3.80 9.5 edge walk

327.63 2.66 7.4 Top steps

326.49 3.80 7.5 Top-edge walk

325.9 4.4 7.4 = ground

326.0 4.3 7.5 = ground

325.19 4.50 9.5 edge walk

325.74 4.85 7.5 = edgewalk

325.3 5.0

325.1 5.2 7.5

325.0 5.3 12.2 = along House

326.18 4.11 5.0 gut - in Dr.

326.23 4.76 7.5

324.97 5.32 7.5 gut

324.73 5.56

324.48 5.81 7.5 on edge of Pave

324.46 5.83 8 gut

324.96 5.33 8 Top end cb.

323.34 6.95 5.0 gut

323.76 6.53 5.0 Top

326.75 3.54 5.0

325.45 4.84 7.5

325.25 5.04

325.04 5.25 7.5

323.84 6.45 5.0

330.29

2+01 - 6.6' Rt. = Wly. P. pole # P.H. 3482

2+00

1+58 - ℄ Sing. Gar. on Rt. - Conc. floor + Apron

1+50 - 7.8 Rt. = end Conc. wall + fence

1+33.5 - 7.8 Rt. = Beg. 4" Conc. base for board fence

1+25' - 7.5' Lt. = N.E. Cor. Bldg.

1+01 - 7.5 Lt. = S.E. Cor. Bldg. - Conc. found. = Dirt floor

1+00 - 7.3' Rt. = end fence

0+74 - 6' Rt. = Wly. P. pole # P.H. 3416

0+50 - 7.7 Rt. = Beg. Picket fence

0+42 - 37' Rt. = ℄ Sing. Gar. - Conc. floor

325.7 Lt. 4.6 / 15 — 325.5 4.8 / 7.5 — 325.6 4.8 — 325.4 4.9 / 7.5 — Rt. 325.4 4.9 / 15

325.38 4.91 / 4.1 = edge Apron — 325.47 4.82 / 7.8 = floor

325.3 5.0 / 15 — 325.5 4.8 / 7.5 — 325.2 5.1 — 325.1 5.2 / 7.5 — 325.23 5.06 / 7.8 Top wall — 325.6 4.7 / 15

324.9 5.4 / 7.8 ground — 325.19 5.10 / 7.8 = Top wall

326.11 4.18 / 7.5 Top-Conc. found. — 325.1 5.2 / 7.5 = ground

325.3 5.0 / 15 — 325.1 5.2 / 7.5 — 325.1 5.2 — 325.2 5.1 / 7.5 — 325.1 5.2 / 15

325.8 4.5 / 15 — 325.6 4.7 / 7.5 — 325.1 5.2 — 325.1 5.2 / 7.5 — 324.7 5.6 / 15

324.14 6.15 / 37 floor

330.29

check Starting B.M.			3.63	328.99	
T.P.	6.06	332.62	4.86	326.56	
3+10.10 = S.cb.					
T.P.	5.87	331.42	4.74	325.55	spike on ℄ Line + ℄ Alley.
3+00.10 = S.L. Myrtle + edge of M.C. Pave.					
2+75					
2+50					

Lt. ℄ Rt

326.11	325.66	327.00	325.52	325.48	325.96
5.31	5.76	4.42	5.90	5.94	5.96
50	50	7.5	7.5		7.5
Top	cut	Top 2' Rad.	cut		cut

326.36	325.75	325.84			
5.46	6.07	5.58			
7.5	5.0	5.0			
Top 2' Rad	cut	Top			

331.42

326.19	326.07	325.77	325.95	326.04	
4.10	4.22	4.52	4.34	4.25	
7.5	7.5		7.4	7.4	
Top-end ct.	cut		cut	Top-end ct.	

326.9	326.9	327.0	326.8	326.3	
3.4	3.4	3.3	3.5	4.0	
7.5	7.5		7.5	1.5	

326.1	326.4	326.5	326.5	325.8	
4.2	3.9	3.8	3.8	4.5	
1.5	7.5		7.5	1.5	

330.29

Alley Blk. 35 Ocean Beach

Cross. Sea. for Imp.

2-28-47

W.O. #31485.

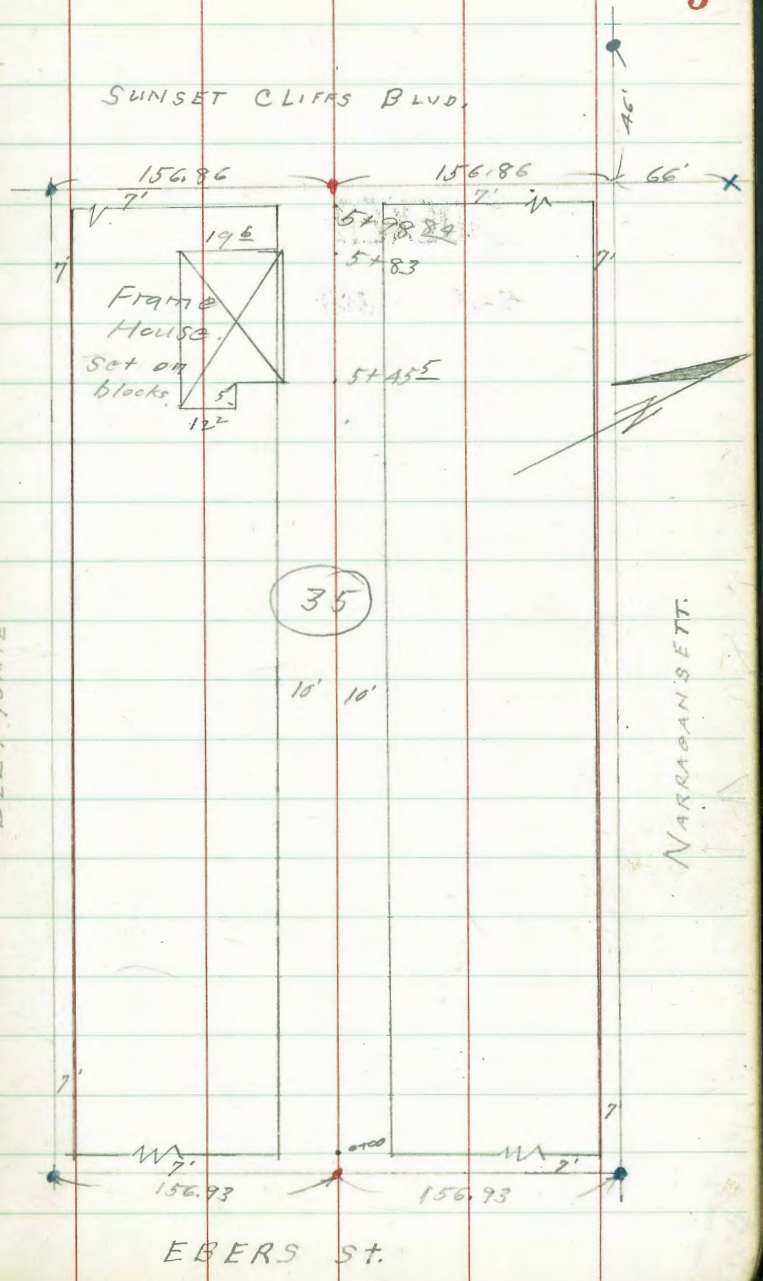
Sommermeyer
McCoy
Jones

● = Fd. L+T.

+ = Fd. Cross in Conc. (checked same)

● = set Nail in paving

All distances were chained. 2/28/47



Alley Blk 35 O. B.
Sketch – P. 5

0+45 — 11.0 Lt. = End Frame Bldg. — 63.2 / 2.1 / 11 Bottom of Blocks — 63.2 / 2.1 / 11 Grd.

0+30.5 — 14.8 Rt. = start stucco House; 12.4 Rt. = start 2' wide E+W. Conc. walk (Diverging width.) — 63.65 / 1.61 / 12.4 walk — 63.67 / 1.59 / 14.8 walk at house

0+25 — 10.8 Lt. = ℄ 4" C.I. sewer vent. pipe + stand; 10.4 Rt. = End stucco house — 64.4 / 0.9 / 10.8 At House: Bottom of Blocks. — 64.7 / 0.6 / 10 — 64.1 / 1.2 — 64.1 / 1.2 / 7 — 64.31 / 1.0 / 10

T.P. | 2.17 | 65.26 | 8.99 | 63.09 — 65.26

Bldg. on Blocks. – No footings. (Comb. Gar. – shop + house)

0+01 — 11.2 Lt. = start Frame Bld. — 66.4 / 5.9 / 11.2 Bottom of Blocks. — 66.4 / 5.9 / 11 Grd

0+08 — 10.4 Rt. = start stucco house. Also = End A.C. Pave.

0+00 = Wly. line Ebers. — 66.42 / 5.66 / 10.5 cb — 66.00 / 6.08 / 10.5 G — 65.46 / 6.62 — 65.51 / 6.58 / 10 G — 65.57 / 6.51 / 10 cb

0–12 = Wly. cb. Ebers — 67.69 / 4.39 / 60 cb — 67.05 / 5.03 / 60 — 66.23 / 5.85 / 12 Top of cb. E.C. — 65.56 / 6.52 / 12 — 65.51 / 6.57 / 10 — 65.15 / 6.93 — 64.93 / 7.15 / 10 — 64.84 / 7.24 / 12 — 65.56 / 6.52 / 12 top. cb. E.C. — 63.28 / 8.80 / 60 — 63.90 / 8.18 / 60 top cb.

Del Monte + Ebers | 0.82 | 72.08 | — | 71.26 | S.W. L+T. 7' — 72.08

Conc. floor. No apron

0+74 16[E] Lt. = Start 2 car. Gar.

0+70 14[9] Rt. = ℄ Garage (Floor level)

0+66 10[9] Rt. = Edge Apron

(but each floor is level.
These garages step down in Elev.)

0+61[E] 14[9] Rt. = ℄ Gar. door.

14[9] Rt. = Start 5 car. Gar. (Conc. Floor.)

0+57 10[9] Rt. = End Conc. walk + Start Apron

0+54 14[8] Rt. = End Stucco House

13[8] Rt. = Bottom of step into House.

0+50 10[8] Rt. = So. Edge walk = ΔIN walk.

65.26

℄

4.21 / 16[E] Gar. Floor

4.6 / 20	4.1 / 10	4.0 / 6	4.4	4.5 / 7	4.6 / 10	4.74 / 10[9] Apron	4.62 / 14[9] Gar. Floor

4.35 / 10[9]

3.1 / 10	3.1 / 7	3.7	3.8 / 7	4.0 / 10	3.97 / 10[9] Apron	3.55 / 14[9] Gar. Floor

3.50 / 10[9] End walk Start Apron

3.22 / 14[9] A+ Gar.

2.4 / 10	2.9	2.9 / 10	2.80 / 10[8] walk	2.74 / 13[8] walk

65.26

Blk. 35 O.B.

T.P.	1.60	56.19	10.67	54.59
1+50				
1+49	9E Lt. = start board fence.			
1+44	9E Lt. = deadman			
1+20	9E Lt. = Ctr. pole # P.A. 4720 (9" diam)			
1+00	14.2 Rt. = End 5 car Gar. Conc. Floor. 11.0 Rt. = End Conc. Apron			
0+95	14.2 Rt. = ℄ Garage (Floor level)			
0+93	16.3 Lt. = End 2 car. Gar. (No Apron) Conc. floor.			
0+87E	14.2 Rt. = ℄ Gar. (Floor level)			
0+83	11.0 Rt. = Edge Conc. Apron.			
0+78	14.2 Rt. = ℄ Gar. (Floor level.			

65126

℄

9.8 / 10 — 9.8 / 7 — 10.1 — 10.0 / 10 — 10.8 / 30

4.9 / 20 — 5.3 / 10. — 6.2 / 5 — 6.5 — 6.8 / 7 — 6.6 / 10 — 6.28 / 11 Apron — 5.74 / 14.2 Floor

5.74 / 14.2 Gar. Floor

4.18 / 16.3 Gar. Floor

5.74 / 14.2 Gar. Floor.

5.57 / 11.0

4.67 / 14.2

65.26

Alley Blk. 35 O.B.

14 9/10 Lt. = End 2 Car. Gar.

1+95 9 4/10 Lt. = End Apron & Start Conc. slab.

25 7/10 Rt. = End 3 Car. Gar. (Conc. floor)

1+93 23 7/10 Rt. = End Conc. Apron

12 4/10 Lt. = End Board Fence.
Start 2 Car. Gar. (Conc. floor)

1+79 9 7/10 Lt. = Start. Conc. Apron & 15 1/10 Lt. =

10' Lt. = ℄ 3" wide N. to S. Conc. wall.

1+75 9 4/10 Lt. = △ in board fence.

24 1/10 Rt. = Start. Conc. Apron.

1+65 26' Rt. = Start 3 Car. Gar. Conc. floor.

1+61.5 24 1/10 Rt. = ℄ 3' wide N. to S. Conc. Walk

1+60

56.19

1.34 / 14 9/10 Floor

2.49 / 10 Apron

2.61 / 9 4/10

3.83 / 23 7/10 Apron

3.81 / 25 7/10 Floor

1.32 / 15 1/10 Floor

1.86 / 10 Apron

1.91 / 9 7/10 Apron

1.6 / 10 End & Bottom of wall

1.83 / 10 top wall

3.81 / 24 1/10 Apron

3.81 / 26 Car. Floor

3.77 / 24 1/10 walk.

1.0 / 10

1.8

2.7 / 10

3.7 / 25

56.19

Station	Note				℄		
2+25			4.2 / 10	4.9 / 5	5.1	5.2 / 10	
2+12	12¹ Lt. = start picket fence.						
2+11	12⁸ Lt. = End conc. Apron to Sing. Gar.			2.66 / 12⁸ Apron			
2+0.6	14⁶ Lt = ℄ Sing Gar. (Conc. floor)		2.29 / 14⁶ Floor				
2+01	9⁴ Lt. = End Conc. slab, also 12⁸ Lt. = start conc. Apron to Sing. Gar.	2.22 / 14⁶ Apron + Slab	2.53 / 12⁸ Apron & End slab.	2.94 / 10 Slab	3.07 / 9⁴ Slab		
2+00	9⁴ Lt. = N. Edge conc. slab.		1.78 / 15 Slab	2.84 / 10 Slab	3.05 / 9⁴ Slab	3.8	4.1 / 10	4.3 / 20
1+99	9³ Lt. = Brk in grade of conc. slab.		1.74 / 15	2.59 / 10	2.69 / 9³		

56.19

56.19

Alley Blk 35. 0.8

INDEXED

3+41 16± Rt. = ℄ Sing. Gar. (dirt floor.)

3+34 8' Lt. = start picket fence.

T.P. 0.82 45.70 11.31 44.88

3+18 24± Lt. = ℄ Sing. Gar. (dirt floor)

3+12 8± Lt. = End picket fence.

3+08 6± Lt. = Ctr. pole # (10" diam) P.A. 4740

3+00 8± Lt. = line of picket fence

2+63 8± Lt. = start picket fence.

2+55 28± Lt. = ℄ Sing. Gar. (Dirt floor)
12± Rt. = ℄ Sing. Gar. (Dirt floor)

2+50

2+49 9± Lt. = End picket fence

56.19

℄

45.70

1.4 (3/4) / 16± Floor

9.0 (47.2) / 24± Floor

8.0 (48.2) / 15

8.3 (47.7) / 10

8.8 (47.4) / 8

9.2 (47.0)

9.3 (46.9) / 10

4.9 (51.3) / 28± Floor

7.1 (49.1) / 12± Floor

5.4 (51.2) / 10

6.1 (50.1) / 5

6.4 (49.8)

7.0 (49.2) / 10

56.19

ALLEY BLK. 35. O.B.

INDEXED

							℄		
3+68	11^2 Rt. = Sly. line Apron.							42^{70} / 3.00 / 11^2 Apron.	
3+63	14^2 Rt. = ℄ 1st Gar. door. (to be moved)							43^{08} / 2.62 / 14^2 Floor	
3+62	7^3 Lt. = start Conc. block wall								
3+58⁷	11^2 Rt. = End walk + start Apron.							43^{09} / 2.61 / 11^2	43^{14} / 2.56 / 14^2 at. Gar.
3+54	Apron to 4 car Gar. 11^2 Rt. = start. Comb. walk +							43^{60} / 2.10 / 11^2	
3+53	11^2 Rt. = ℄ 2' wide N.+S. Conc. walk.							43^{60} / 2.10 / 11^2 walk	
3+48⁵	7^7 Lt. = start board fence			44^5 / 1.2 / 10	44^3 / 1.4 / 7		43^5 / 2.2	43^8 / 1.9 / 10	
3+48	7^2 Lt. = End picket fence		45^4 / 0.3 / 10	45^4 / 0.3 / 8	44^5 / 1.2 / 7	43^9 / 1.8 / 5	43^5 / 2.2	43^8 / 1.9 / 10	

45.70

45.70

Alley Blk. 35 O.B.

INDEXED

T.P. Nail in Pole 0.40 42.50 3.60 42.10

3+99 ℄ 6⁴ Lt. = Pole # P.A. 4760 (10" Diam.)

14' Rt. = End A car Gar.

3+97⁴ 10² Rt = End Conc. Apron.

3+92⁵ 14' Rt. = ℄ 4th Gar. door.

3+87 11' Lt. = Sly. Edge Apron

3+82⁵ 14 Lt = ℄ 3rd Gar. door.

3+77 11' Rt. = Sly. line Apron

3+73 11² Rt = ℄ 2nd Gar. door.

3+69⁵ 7⁵ Lt. = ℄ 3' wide N. & S. Conc. walk

45.70

℄

4.27 / 10² Apron

3.89 / 14 A. Gar.

3.90 / 14 Floor

3.82 / 11 Apron

3.40 / 14 L Floor.

3.6 / 20

3.6 / 10

4.10 / 6

3.7

3.4 / 10

3.39 / 11 Apron

2.95 / 14² Gar. Floor.

3.16 / 10

3.33 / 7⁵

45.70

Alley Blk. 35 O B. INDEXED

4+69	10' Rt. = Δ in board fence	
4+50		
4+49	10' Rt. = Start board fence 10' Rt. = End board fence - also =	
4+48	6.9 Lt. = Start Post + wire fence	
4+39	14.8 Lt. = ℄ Sing Gar. Conc. floor	
4+35.5	14.5' Rt. = ℄ 2' wide N. + S. Conc. Walk	
4+35	6.8 Lt. = End of lath fence.	
4+25		
Not O	Fences + walls from 8' left of 3+34 to 6.8 left of 4+23 will be moved by property owner before alley work starts.	
	also = start of lath fence. wall + End of Board Fence.	
4+23	6.8 Lt. = End of End Conc. Block	
4+00		
3+99.5	10' Rt. = Start board fence.	

42.50

℄

3.0 / 10	3.5 / 4	3.8	3.7 / 7	3.3 / 10	3.3 / 20	
1.23 / 14.8 Floor						
					3.4 / walk + Gar. 14.5	
1.8 / 10	2.7 / 3	2.8	2.7 / 10			
0.6 / 10	0.6 / 8	0.9 / 7	1.3 / 4	1.7	1.5 / 7	1.7 / 10	2.4 / 30

42.50

ALLEY BLK. 35 - O. B.

INDEXED

5+25 9[4] Lt. = start board fence

5+06 26' Lt. = ℄ Sing. Gar. (dirt floor)

5+00

11' Rt. = start board fence
9[2] Rt. = End Sing Gar.
4+99 6[5] Lt. = Ctr. 8" pole # A 4776

4+93 9[8] Rt. = ℄ Sing. Gar. (Conc. floor.)

4+88 27' Lt. = ℄ Sing. Gar. (dirt floor.) (Conc. Floor.)

4+86[6] 9[2] Rt. = Start. Sing. Gar. Frame.

14[2]' Rt. = ℄ Sing Gar. (Conc. floor)
4+81 6[2]' Lt. = End post + wire fence

4+77 14[2] Rt. = end board fence.

4+75

42.50

℄

5.1 / 26 Floor

5.12 / 10 — 5.5 — 5.0 / 7 — 4.9 / 10 — 5.6 / 12 — 5.6 / 20

5.20 / 98 Floor

3.9 / 27' Floor

5.20 / 14[2] Floor.

4.10 / 10 — 4.7 — 4.3 / 10 — 4.7 / 15

42.50

Alley Blk 35. O.B.

9.5 Lt. = start picket fence
5+83 9.5 Lt. = End frame house

INDEXED

5+75 9.6 Lt. = line of house

5+71 8.8 Lt. = North side of Gas Meter.

sewer cleanout.
5+54.6 9.0 Lt. = North side of 2" diam.

5+53 12.5 Rt. = start 2' wide hedge

Sing. Gar.
5+52.4 12.5 Rt. = End Conc. Apron to

5+50 9.5 Lt. = line of house

pipe.
5+49 9.4 Lt. = North side of 2" C.I. Sewer

on blocks. No conc. foundation
5+45.5 9.45 Lt. = start frame house

5+43 9.6 Lt. = ℄ 5' wide N. + S. Conc. Walk.

Sing Gar.
12.4 Rt. = start Conc. Apron to
5+41.6 11.4 Rt. = End board fence.

42.50

℄

7.1 / 9.6 — 7.5 — 7.5 / 6 — 6.6 / 10

6.33 / 12.5 Apron — 5.95 / 14.5 Gar. Floor

6.6 / 9.5 — 6.8 — 6.4 / 10

6.3 / 9.4 Grd.

6.18 / 10 walk — 6.20 / 9.1 walk

6.22 / 18.4 Apron — 5.95 / 15 Gar. Floor

∠ 42.50

Alley Blk. 35 O.B.

S.W. Lat., Ebers + Del Monte = orig. B.M.			2.34	+ 0.02 71.28	(71.26)
T.P.	12.90	73.62	0.60	60.72	
T.P.	12.75	61.32	0.89	48.57	
T.P. SE B.P. Sunset Cliffs + Del Monte	12.44	49.46	2.64	37.02	(37.09)
SE B.P. Narragansett + Sunset Cliffs			7.61	37.05	(32.10)
6+10 [8] = Ely Cb. Sunset Cliffs Blvd.					
5+98 [84]	{ 99 Rt. = start Curb. 12' Rt. = End hedge and start cb. 99 Lt. End picket fence = Start A. C. Pave.				
T.P.	5.68	39.66 42.50	8.52	33.98	

6+10 (8):

34.33	34.21	34.20	33.57	33.65	33.50	33.38	33.31	33.88	32.66	33.22
4.83 / 60 Cb	5.45 / 60 G	5.46 / 12 Cb E.C.	6.09 / 12 G	6.01 / 10	6.16	6.28 / 10	6.35 / 12 G.	5.78 / 12 Cb	7.00 / 60 G	6.44 / 60 Cb

5+98 (84):

34.6	34.49	34.24	33.75	34.07	34.11	34.32	35.0
5.1 / 10 Grd	5.17 / 99 cb	5.38 / 99 G	5.68 Pave.	5.59 / 7 pave + Grd.	5.49 / 99 G.	5.34 / 99 cb	4.7 / 10 Grd

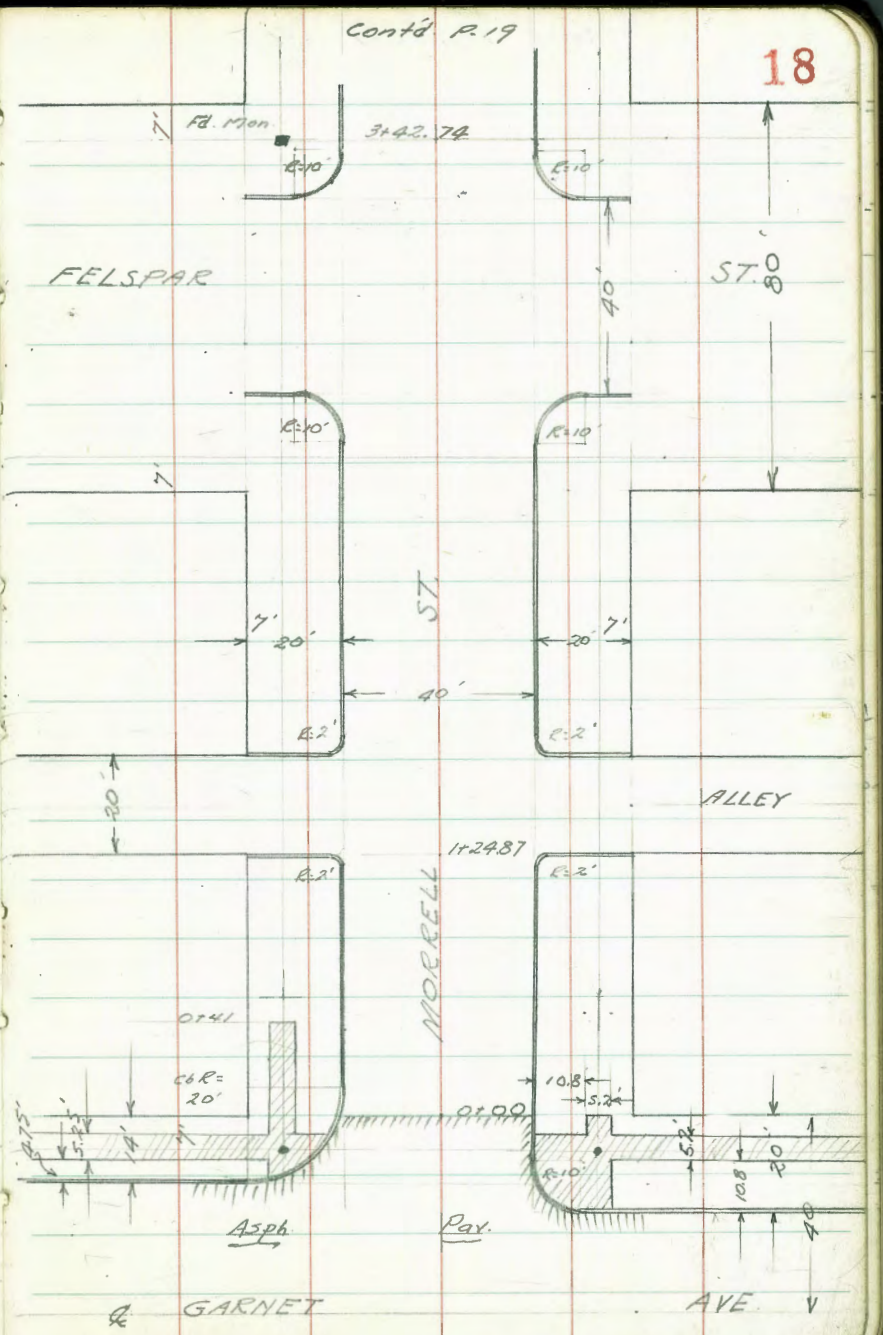
39.66

4-28-49
Hendricks
Greer
Rorer
Work 25001

X Sect Morrell St
. Garnet to Diamond

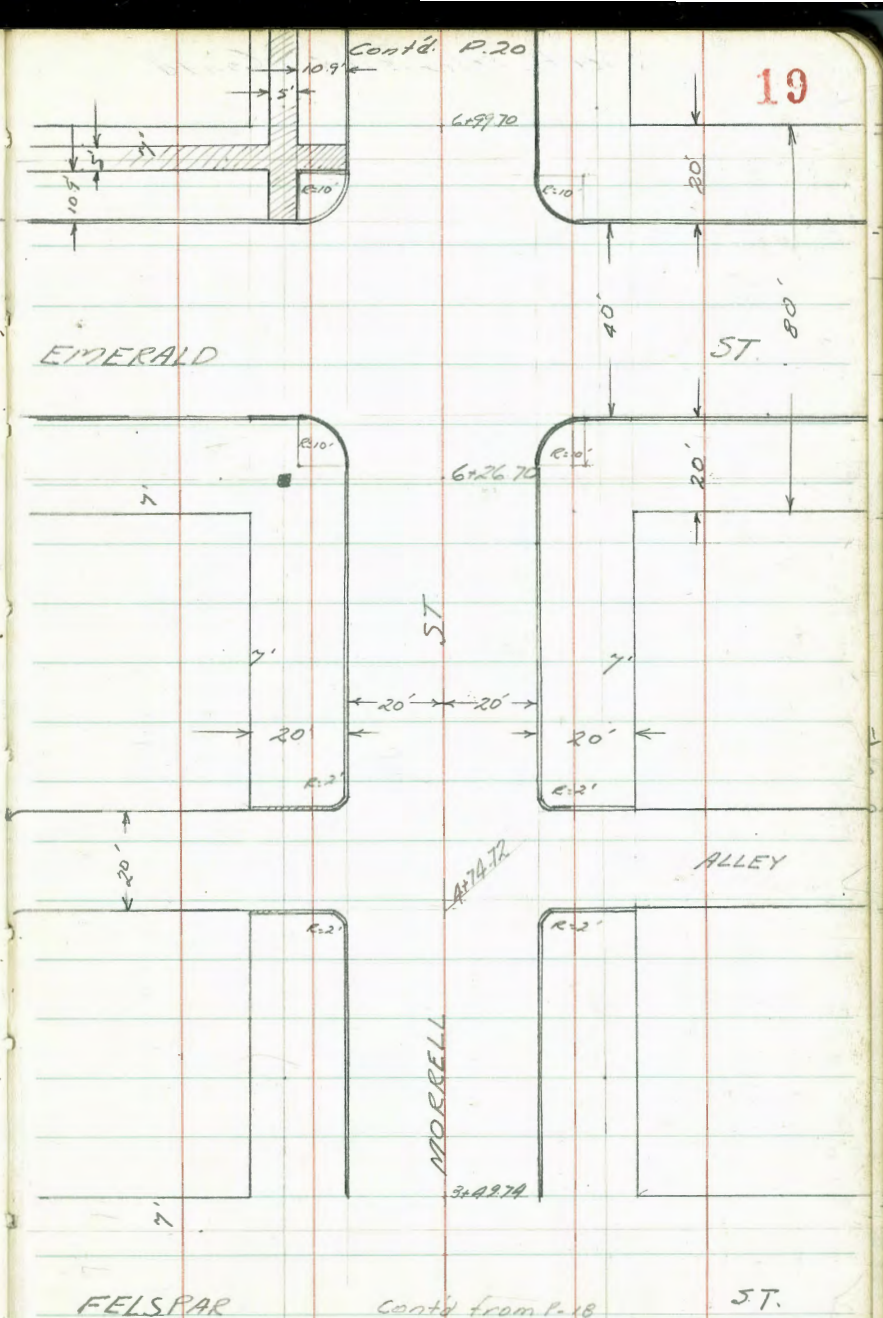
INDEXED
WK
MAY 11 1949

Contd P.19

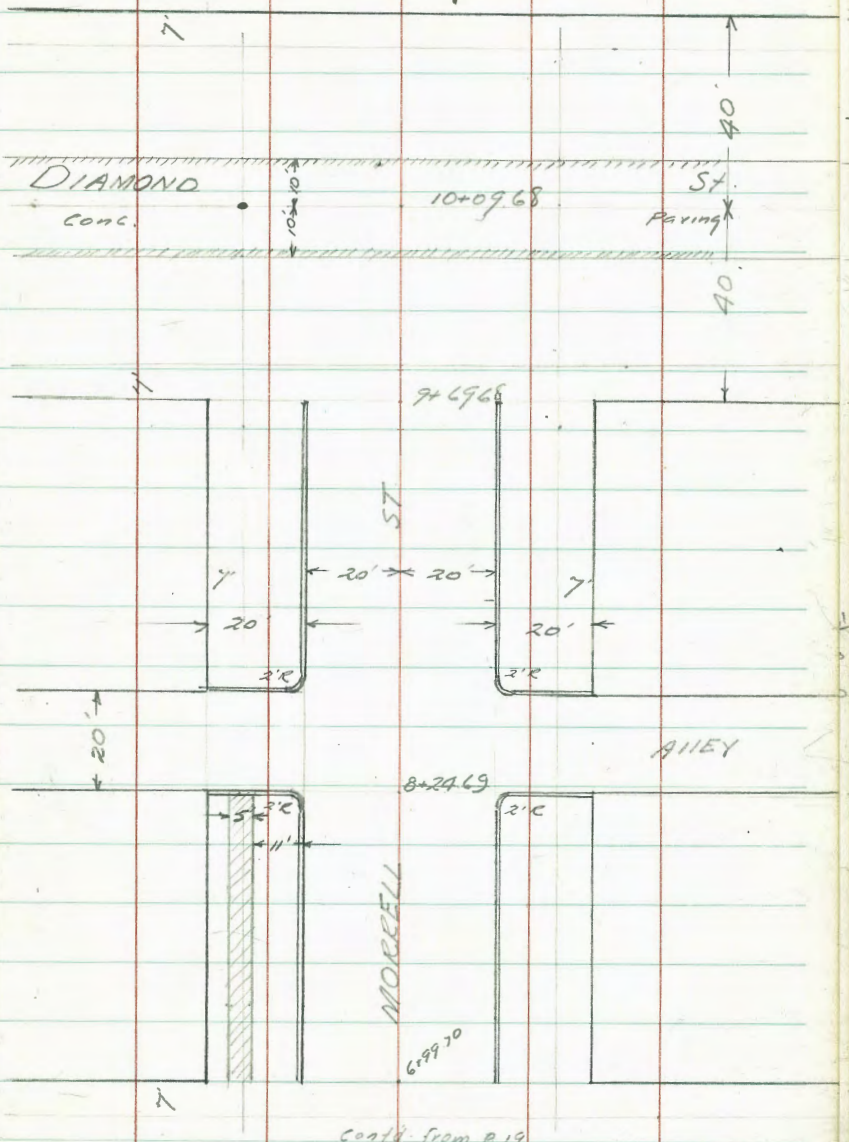


X Sect Morrell St Cont'd.

Cont'd. P.20



X Sect. Morrell St. Contd



Levels Morrell St
Garnet to Diamond.

0+00 No. Line Garnet (Edge Asphalt Pav)

0-14 No C6 Line Garnet on Lt.

0-20 No. C6 Line Garnet on Rt.

Notes Reduced
6/6/49

0-40 ℄ Garnet

T.R.	5.69	70.71	2.94	65.02	
B.M.	5.94	67.96			62.02

℄

64.65 65.59 66.83 65.86 65.53 64.40 64.92 65.12 65.17
+0.6 +2.1 +2.8 +1.5 -1.8 -3.1 -5.9 -5.9 -5.4
36 30.6 20.8 20.8 20 20 30.8 36
SW SW C6 G G C6 SW SW

66.63 66.04 66.39 65.79 65.50 65.04
+0.8 +1.7 +3.2 +3.2 -2.1 -1.2
90 90 40 40 20
C6 G C6 G

64.94 64.38 64.25 64.81 64.07 64.63 63.74 64.31
-5.7 -6.3 -6.4 -5.9 -6.4 -6.8 -6.9 -6.0
20 30 30 C6 C6 100 100
G C6 G C6 G C6

64.46 66.15 65.87 65.52 65.07 64.79 64.44
+2.5 +1.9 +3.4 -1.9 -5.6 -5.2 -6.2
100 50 20 20 50 100

70.71

N.E 7' L&T Garnet & Morrell
N.W BP Garnet & Noyes

Morrell St Contd.

L+00

0+41 End. S.W. on Lt

0+50

BC on Garnet 3 parts
NE Cb Ret Garnet & Morrell

BC on Garnet 4 parts
NW Cb Ret Garnet & Morrell

70.71

70.71

Morrell St. Cont'd

℄

1+66.87 BC Alley Rets

69^{36}	68^{5}	67^{3}	68^{19}
1^{35}	2^{2}	3^{4}	2^{52}
20	20	20	20
Cb	G	G	Cb

1+44.87 No. Line Alley

69^{60}	69^{60}	69^{38}	68^{9}	68^{3}	68^{7}	68^{4}	68^{0}	67^{1}	68^{0}	68^{2}	67^{7}	68^{43}
1^{11}	1^{11}	1^{33}	1^{8}	2^{4}	2^{0}	2^{3}	2^{7}	3^{9}	2^{7}	2^{47}	3^{0}	2^{28}
40	40	22	22	19	11		8	19	22	22	40	40
Cb	G	Cb	G					G	G	Cb	G	Cb

1+34.87 ℄ Alley (Sewer MH ℄ Alley & Morrell)

69^{4}	68^{4}	68^{1}	68^{5}	68^{2}	68^{95}	67^{8}	66^{9}	67^{7}	67^{3}
1^{3}	2^{3}	2^{6}	2^{3}	2^{5}	2^{76}	2^{9}	3^{8}	3^{0}	3^{4}
40	23	19	11	G	Rim	9	19	25	40

1+24.87 So. Line Alley

69^{16}	69^{16}	68^{93}	68^{5}	68^{1}	68^{3}	68^{0}	67^{5}	66^{1}	67^{4}	67^{58}	67^{51}	67^{94}
1^{55}	1^{55}	1^{78}	2^{2}	2^{6}	2^{4}	2^{7}	3^{2}	4^{0}	3^{3}	3^{13}	3^{2}	2^{77}
40	40	22	22	20	11		9	20	22	22	40	40
Cb	G	Cb	G						G	Cb	G	Cb

1+22.87 BC Alley Rets

68^{92}	68^{0}	66^{8}	67^{59}
1^{79}	2^{7}	3^{9}	3^{12}
20	20	20	20
Cb	G	G	Cb

70.71

70.71

Morrell St Contd

℄

2+69.74 So. Line Felspar

72^{1} 71^{79} 71^{2} 71^{1} 70^{8} 70^{1} 70^{87} 70^{1}
6^{8} 7^{14} 7^{7} 7^{8} 8^{1} 8^{8} 8^{06} 8^{2}
40 20 20 9 20 20 40
Cb G G Cb

2+50

73^{1} 71^{1} 71^{44} 70^{8} 70^{8} 70^{1} 70^{5} 69^{6} 70^{5} 70^{4}
5^{3} 7^{2} 7^{49} 8^{1} 8^{1} 8^{2} 8^{4} 9^{3} 8^{42} 8^{5}
45 38 20 20 9 8 20 20 40
G Cb

2+20 ℄ 10' Conc. Drive on Rt

69^{33} 69^{81} 69^{95}
9^{60} 9^{06} 8^{98}
20 26.7 40
G

2+10 ℄ 12.5' Conc. Drive on Lt

70^{86} 70^{80} 70^{07}
8^{07} 8^{13} 8^{86}
36 25 20
G

T.P. 8.40 78.93 0.18 70.53

78.93

2+00

70^{3} 70^{6} 70^{51} 69^{3} 70^{0} 69^{6} 69^{2} 68^{3} 69^{32} 69^{2}
10^{5} 10^{1} 0^{20} 1^{2} 0^{7} 1^{1} 1^{5} 2^{4} 1^{39} 1^{5}
40 38 20 20 10 9 20 20 40
Cb. G G Cb.

70.71

70.71

Morrell St. Contd

(2 parts)

2 W Cb Ext Felspar & Morrell BC on Morrell

3+49 74 No Line Felspar

3+29 74 No Cb Line Felspar

3+09 74 & Felspar

2+89 74 50 Cb Line Felspar

7893

7893

Morrell St Contd.

4+50

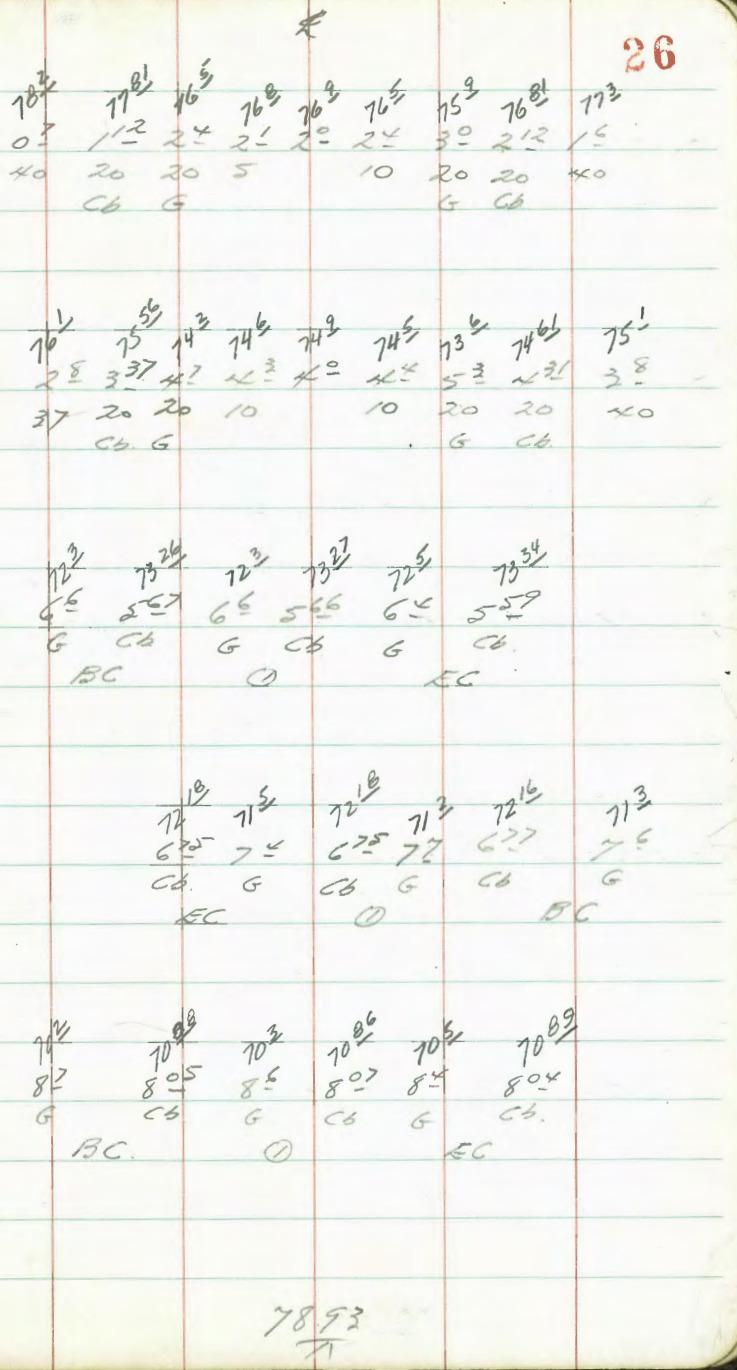
4+00

NW Cb Ret Morrell & Felspar (2 parts) BC on Felspar

NE Cb Ret Morrell & Felspar 2 parts BC on Felspar

2E Cb Ret Morrell & Felspar (2 parts) BC on Morrell

78 93



Morrell St Cont'd.

℄

4+96.72 BC Alley Rets

79^{87}	78^{5}	78^{1}	78^{9}
10^{88}	12^{3}	12^{7}	11^{88}
20	20	20	20
Cb	G	G	Cb

4+94.72 No. Line Alley

80^{0}	79^{7}	79^{90}	79^{3}	78^{4}	78^{7}	78^{8}	78^{6}	77^{9}	78^{5}	78^{92}	79^{14}	79^{14}
10^{71}	11^{1}	10^{85}	11^{5}	12^{4}	12^{1}	12^{0}	12^{2}	12^{9}	12^{3}	11^{83}	11^{61}	11^{61}
40	40	22	22	19	10		9	18	22	22	40	40
Cb.	G	Cb	G						G	Cb.	G	Cb

4+84.72 ℄ Line Alley (℄ Alley & Morrell) Sewer MH.

79^{5}	79^{3}	78^{6}	78^{7}	78^{4}	78^{35}	78^{2}	77^{5}	78^{0}	78^{7}
11^{3}	11^{5}	12^{2}	12^{2}	12^{4}	12^{40}	12^{5}	13^{3}	12^{8}	12^{1}
40	27	20	17	8	Rim	7	19	23	40

4+74.72 So Line Alley

79^{14}	79^{1}	78^{86}	78^{6}	77^{65}	78^{0}	77^{9}	77^{2}	77^{1}	77^{3}	77^{92}	78^{23}	78^{23}
11^{61}	11^{61}	11^{85}	12^{2}	13^{1}	12^{8}	12^{9}	13^{1}	13^{2}	13^{0}	12^{83}	12^{52}	12^{52}
40	40	22	22	20	8		8	20	22	22	40	40
Cb.	G	Cb	G						G	Cb.	G.	Cb

4+72.72 BC Alley Rets.

78^{16}	77^{6}	77^{1}	77^{85}
11^{99}	13^{2}	13^{7}	12^{90}
20	20	20	20
Cb.	G	G.	Cb

T.P. 12.82 90.75 1.00 77.93

90.75

78.93

Morrell St Contd.

6+39.70 30 Ch Line Emerald

6+19.70 30. Line Emerald

6+00

5+68 ℄ 8' Conc. Drive on Lt.

5+50

90.75

N low!

90.75

Morrell St Contd

BC on Morrell

SE Cb. Rot Emerald & Morrell (2 parts)

2 parts

SW. Cb. Rot. Emerald & Morrell BC on Morrell

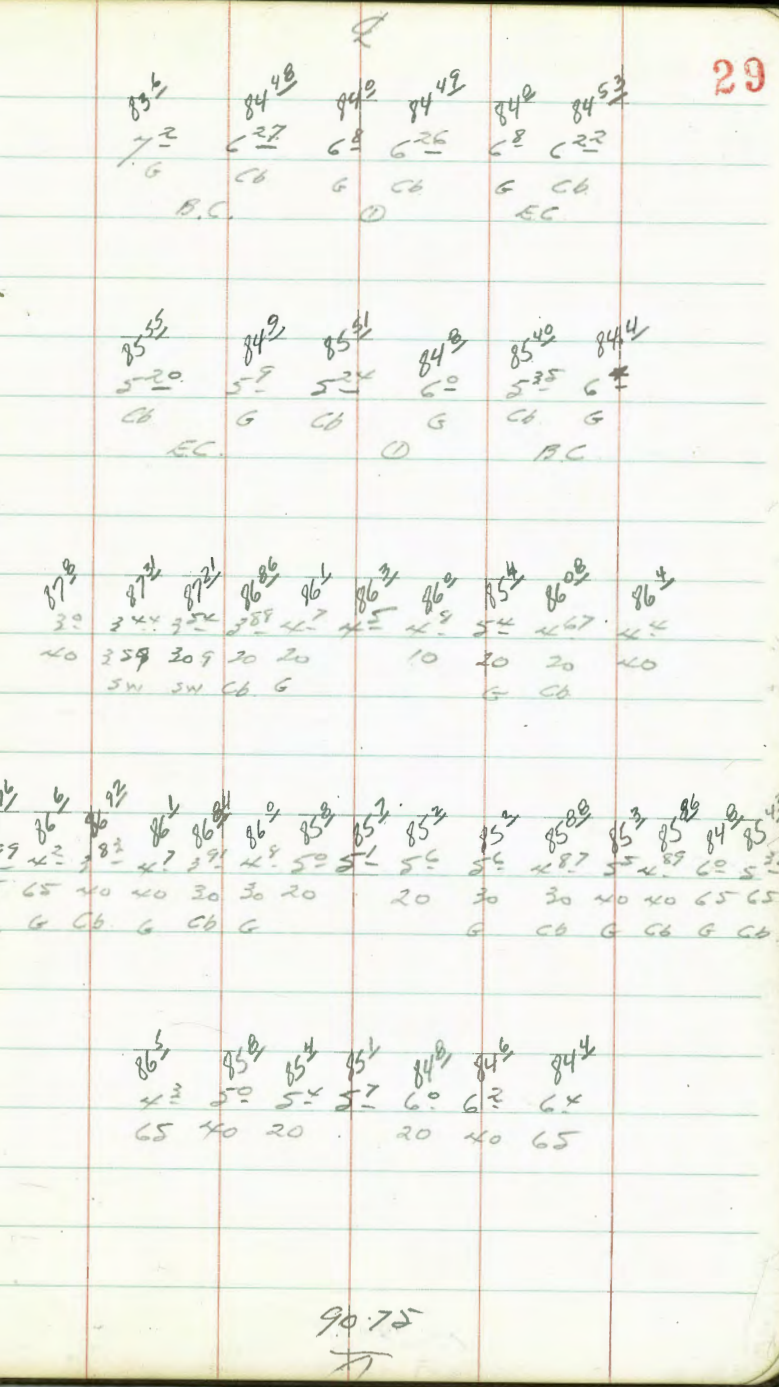
6+9970 No. Line Emerald

6+7970 No. Cb Line Emerald

6+5970 ℄ Emerald

90.75

℄



90.75

Morrell St. Cont'd.

8+15 E 9' Conc Drive on Lt.

8+00

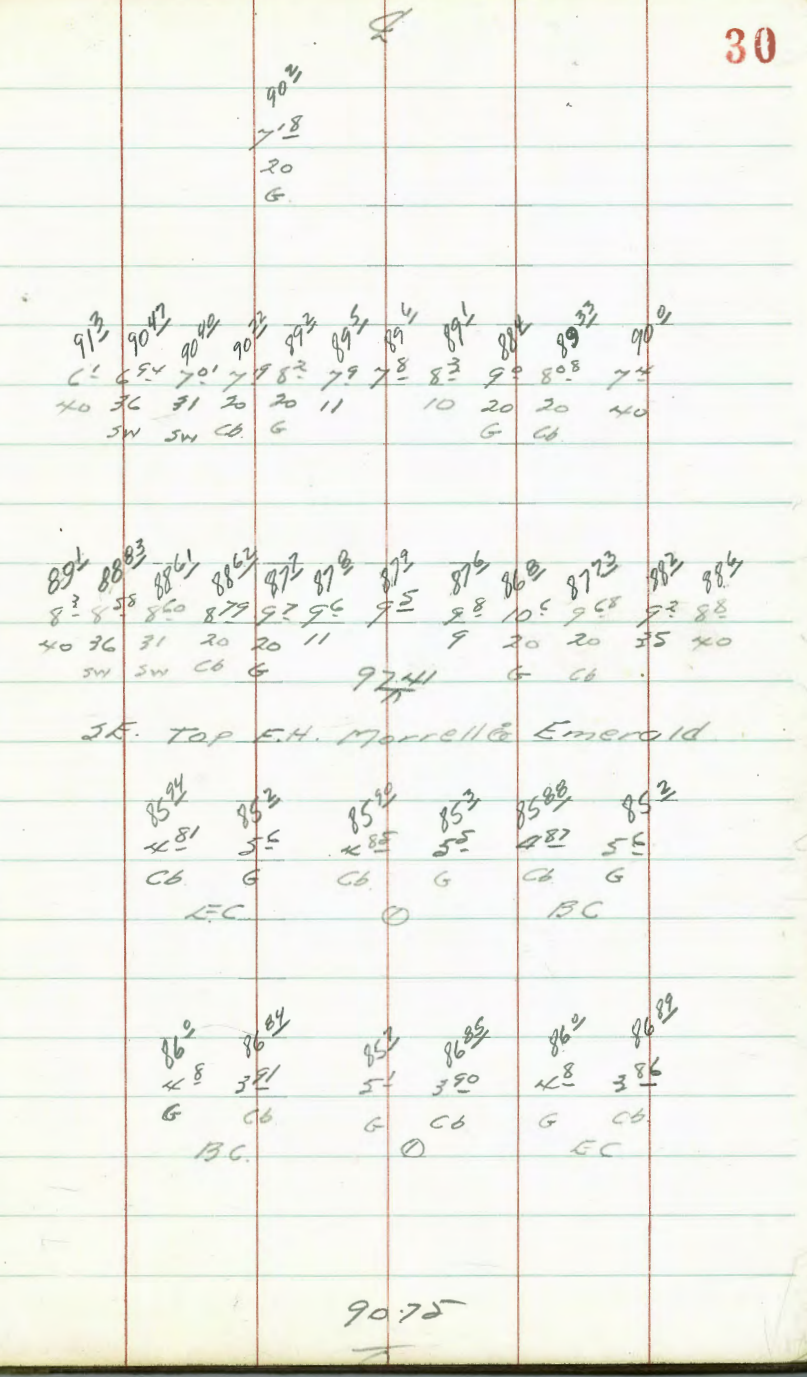
7+50

T.P. 10.62 97.41 3.96 86.79

I.P. Cb Ret Emerald & Morrell BC on Emerald (2 parts)

N.W. Cb Ret. Emerald & Morrell BC on Emerald 2 parts.

90.75



Morrell St. Cont'd. ℄

8+46.69 EC Alley Rets.

91^{81}	90^{6}	90^{9}	90^{88}
5^{60}	6^{8}	7^{4}	6^{53}
20	20	20	20
Cb	G	G	Cb

8+44.69 No. Line Alley

92^{02}	91^{8}	91^{84}	91^{3}	90^{6}	91^{1}	91^{1}	90^{6}	89^{8}	90^{4}	90^{9}	90^{7}	90^{97}
5^{39}	5^{5}	5^{57}	6^{1}	6^{8}	6^{3}	6^{3}	6^{8}	7^{6}	7^{0}	6^{51}	6^{7}	6^{44}
40	40	22	22	20	5		10	20	22	22	40	40
Cb	G	Cb	G						G	Cb	G	Cb

8+34.69 ℄ Alley

92^{3}	91^{2}	90^{6}	90^{4}	90^{6}	90^{7}	90^{3}	89^{5}	90^{2}	90^{2}	89^{8}
5^{1}	6^{2}	6^{8}	7^{0}	6^{8}	6^{7}	7^{1}	7^{9}	7^{2}	7^{2}	7^{6}
60	40	18	15	7		10	19	34	40	60

8+24.69 So. Line Alley

91^{31}	91^{2}	91^{01}	90^{7}	90^{9}	90^{2}	90^{4}	89^{9}	89^{2}	90^{0}	90^{04}	90^{36}
6^{10}	6^{2}	6^{40}	6^{7}	7^{4}	7^{2}	7^{0}	7^{5}	8^{2}	7^{4}	7^{37}	7^{05}
40	40	22	22	15	10		10	20	21	22	40
Cb	G	Cb	G							Cb & G	G & Cb

8+22.69 B.C. of Alley Rets.

91^{01}	90^{5}	89^{2}	90^{0}
6^{40}	6^{9}	8^{2}	7^{40}
20	20	20	20
Cb	G	G	Cb

97.41 / π

97.41 / π

Morrell St. Contd.

10+09.68 & Diamond St.

9+99.68 30. Line Paving Diamond

9+69.68 30. Line Diamond End Cbs. Left

9+50

9+00

97441

97441

Morrell St Contd.

BM			3.69	105.85	105.95	3 W BP Lamont & Diamond
BM	12.67	109.54	0.54	96.87	96.93 Record	3 E Top Fire Hydt Morrell & Diamond

	97.18	96.43	96.11	95.99	95.85	95.74	95.62	95.53	94.72
0+00	0+23	0+88	1+30	1+43	1+51	1+67	1+79	2+08	2+69
	65	40	20	10		10	20	40	65

10+19.68 No. Edge Paving Diamond

97.41
N

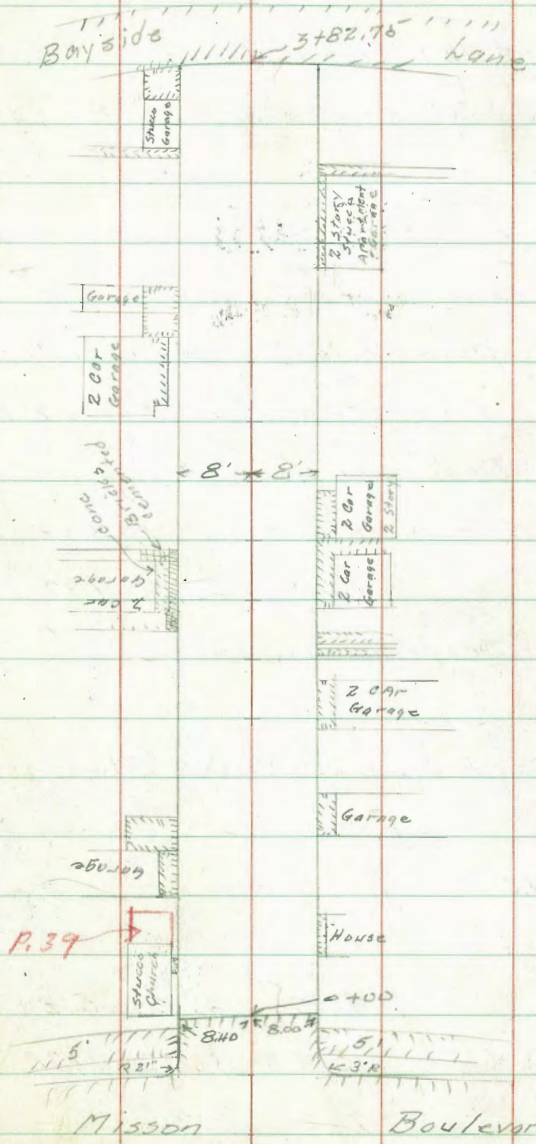
97.41
N

Recross-section - Alley - Blk. 99
Johnson Mission Beach - So. of Isthmus Ct.
Gregory
Clark
10-11-49
W-e. 31690

3+82.75 = Edge of Existing Pavement

See page 39 for
additional notes 1/19/50 C.H.S.
New notes in red.

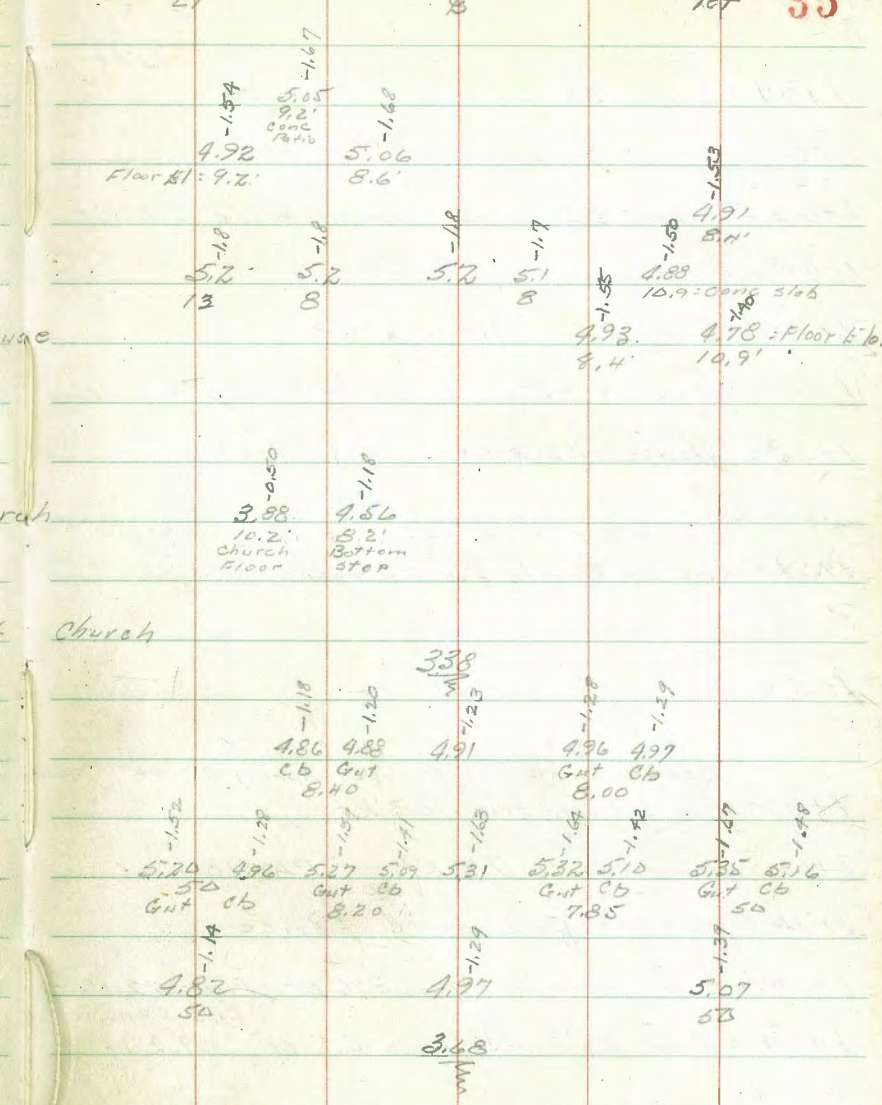
0+00 = Edge of Existing pavement



Re Cross-Section + Alley Blk 99
Mission Beach - So. of Isthmus Ct.

	Lt	℄	Rt
0+92 = Start of 6' Board fence & conc. patio	8.6' Lt	9.2' Lt	
0+86 = ℄ 12.4' Garage. 8.6' Lt			
0+75 = P.39			
0+65 = End 2.3' wide conc. slab 8.4' Rt			
0+50			
0+47 = Start 8.4' Rt to 2.5' wide conc slab of House			
Now ends at 0+75 (P.39)			
0+45 = End Church 10.2' Lt.			
0+39 = Power pole 7.6' Rt #JPA810			
0+36 = ℄ of steps 8.2' Lt 10.2' Lt to Church (6.3' wide)			
0+18 = Deadman 7.7' Rt.			
0+00 - Rt. A to ℄ Alley 10.3' Lt Start of Church			

T.P.	4.67 Edge Pavement	3.38	4.97	-1.29
0+00 - Section on Diagonal				
0-09.75 = cb Line of Mission Blvd.				
0-23.75				
T.P.	4.97	3.68	5.31	-1.29
T.P.	3.49	4.02	8.78	0.53
BM	2.28	9.31	7.03 =	3.wl, B.P Santa Barbara & Mission Beach Seawall



Re-X section - Alley Blk 99
Mission Beach - So. of Isthmus Ct.

Start Double Car Garage Apron 8.2' Rt

1+77 = End 3.5' conc. wall 8.2' Rt.

1+69 = Start Brick Wall - 8.3' Lt ~~Wall now out~~

1+68 - P39

1+66.5 = Start 3.5' Conc. Wall 8" Wide 8.2' Rt

1+65 = ℄ of 3' walk 8.3' Rt

1+62 = ℄ of 2.5' walk 8.3' Rt

1+60 = End of 3.5' conc. wall 8" wide 8.2' Rt

1+53 = House 22.2' Lt

Start 3.5' Conc. fence 8" Wide 8.2' Rt

1+51 = End of Double Car Garage

1+50

Start Double Car Garage Apron 8.2' Rt Floor 12.1' Rt

1+33 = End 6' board fence 8.3' Rt

1+18 = Power pole 7.3' Rt #PA 818

1+14 = 8.4' Rt to 6' board fence

1+09 = ℄ 10' Garage Apron 8.25' Rt Floor 12.0' Rt
End conc. Patio

1+09 = End 6' Board fence 8.5' Lt. 9.2' Lt

1+00

Lt	℄	Rt
		5.30 -1.92 8.1 Apron
		5.01 -1.63 12.1 Floor
	-1.29 4.67 8.3 Top Wall	
		5.30 -1.92 8.3
		5.41 -1.93 8.3
-0.49 3.84 22.2 Floor	-0.88 4.26 16.8 Walk	
		5.22 -1.84 8.2 Apron
		5.02 -1.64 12. Floor
-1.8 4.7 13	-1.5 4.9 8	-1.7 5.1
		5.22 -1.8 8
		5.22 -1.84 8.2 Apron
		5.22 -1.84 8.2 Apron
		5.00 -1.62 12.1 = Floor
		5.21 -2.1 8.25 Apron
		4.99 -1.61 12' Floor
-1.76 5.14 9.2'		
5.1 -1.7 8		5.1 -1.7
		5.1 -1.7 8
		5.1 -1.7 13
	3.38	

Re-Xsection Alley Blk 99
Mission Beach - So. of Isthmus Ct.

Start conc. Slab 8.6' Lt

Z+84.5 = End Apron 10'Lt & Double Garage 12'Lt

Double Car Garage 12'Lt

Z+68 = 10'Lt to start of Apron

	Lt.	℄	Rt
T.P.	4.27	3.17	9.48 -1.10

Z+50 = End frame House 11.2'Lt

Z+41 = Power Pole 7.4' Rt PA848

Z+29 = Start frame House 11.3'Lt

Z+23 = End of Double Car Garage 12'Rt

Z+16 = End of Apron 8.1'Rt

Z+00

Start Double Car Garage 8.3'Rt

1+99 = End of Brick Wall 8.6'Lt wall out

1+96 - (P.37)

1+93 = End of Double Car Garage

1+86 = ℄ Garage 15.5'Lt

-0.49 3.66 12 Floor
-0.77 3.94 10 Apron
-1.10 4.27 8.6 Slab

-0.50 3.67 12 Floor
-0.77 3.94 10 Apron
3.17 ℄

-0.8 4.2 12
-1.4 4.8 8
-1.7 5.1
-1.5 4.9 8
-1.0 4.4 20

-1.50 4.88 Floor

-1.92 5.30 8.1 Apron
-1.93 4.81 12.5 Floor

-0.1 4.1 13
-1.5 4.9 8
-1.9 5.1
-1.7 5.1 8

-1.20 4.58 8.6' Top Wall
-1.93 5.31 8.2 Apron
-1.92 4.80 12.5 Floor

-1.98 5.33 8.1 Apron
-1.65 5.03 12.1 Floor

-0.76 4.14 15.5 Floor

3.38 ℄

Re-Xsection - Alley BLK 99
Mission Beach - So. of Isthmus Ct.

	Lt	℄	Rt
3+51 = Start Garage 8.1' Lt			
3+50 = ℄ 2.5 Walk 8.1' Lt	-.90 4.07 2.0 Walk	-1.46 4.63 8.1 Walk	-1.6 4.8 8 / -2.8 5.2 / -2.0 5.2 8 / -1.7 4.9 15 / -0.9 4.1 20
3+42 = ℄ 3' Walk 8' Rt			-1.31 4.68 8
3+39 = End Apron - 8' Rt			-1.36 4.53 8' Apron
3+34 = End double Garage 10.1 Rt			-1.27 4.44 8 Apron / -0.69 4.06 10.1 Floor
3+18 = End Conc. Blk Wash House 8.3' Lt Double Garage 10' Rt			
3+16 = Start Conc Apron 7.9' Rt			-1.28 4.45 7.9 Apron / -0.92 4.09 10 Floor
3+11 = Power pole - 7.9' Rt PA868 End conc. Slab			
3+02 = Start Conc Blk Wash House 8.3' Lt			
3+00	-0.91 4.08 13	-1.51 4.68 8.4 Apron / -1.4 4.6 8 / -1.6 4.7 / -1.4 4.6 8 / -1.2 4.4 13	
2+97 = ℄ 8' Garage Apron 8.4' Lt Floor 19.6 Lt		-0.40 3.57 19.6 Floor / -1.50 4.67 8.4 Apron	
2+93 = Break in Conc Slab 8.6' Lt		-1.48 4.63 8.6	

3.17

Re-X Section - Alley Blk 99
Mission Beach - So. of Isthmus Ct.

					0.01
					7.03
				4.18	7.02
T.P		4.59	11.20	4.87	6.61
T.P.		8.82	11.48	1.52	2.66
T.P.		5.58	4.18	4.57	-1.40

1+96 = 8± Lt. = end conc. apron

1+75± = 8± Lt start conc apron

1+75 = 8± Lt = End same (No need to meet.)

1+68 = 8± Lt. = start brick walk

0+75 = 10± Lt. = End Add. to church

3+90 = Rim M.H

3+82.75 = Bay side Lane. t edge of pavement

3+73 = End Garage 8' Lt.

Lt	℄	Rt
EL. -0.76	EL. = -1.11	
15.5 Floors	8± Apron	
EL. -0.76	EL = -1.23	
15± Floor	8± Apron	

S.W.B.P. Santa Barbara - Mission Beach Sea wall

-2.28	-2.41	-2.48	-2.35	-2.30
5.45	5.58	5.65	5.52	5.47
20	0		0	20
-2.14	-2.15	-2.29	-2.14	-2.12
5.28	5.32	5.44	5.31	5.29
20	0		0	20
	-1.34			
	4.51			
	F-floor			
	8.			
		3.17		

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Clark
Gregory
10-14-49

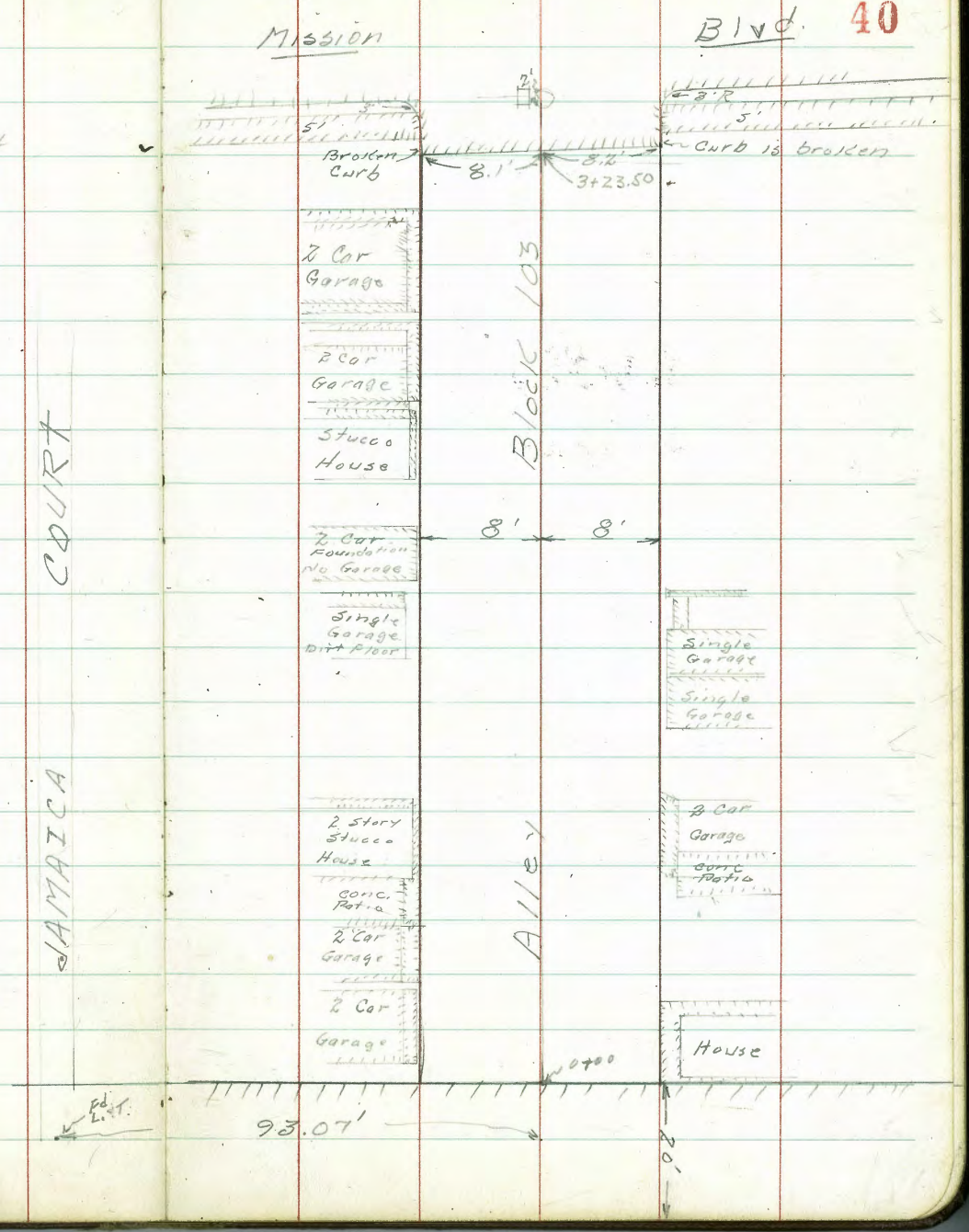
X-Section Alley Blk 103 Mission Beach

3+23.50 = Edge of Existing Pavement

INDEXED
W.K.
OCT 18 1949

F.B. 2060
10-26
1/29/50

0+00 = Edge Existing Pavement



X-Section - Alley Blk 103
Mission Beach

	Lt.		Rt		Rt
0+62 = End 3' cone Slab 8' Lt		3.33 7.96 8			
0+60 = power pole 7.8 Rt #PA 7.38 Start 3' cone Slab 7.7 Lt	4.30 6.99 12.2	3.97 7.32 7.7	3.7 7.6	3.7 7.6 6	4.0 7.3 8
0+50 = End cone Apron 7.7' Lt Floor = 12.2'					1.54 5.9 15 5.7 20
2 car Garage 0+32 = Start cone Apron 7.9 Floor = 12.2'	4.34 6.95 12.2	4.51 6.78 7.9			
0+30 = End cone Walk 8.9' Rt	5.32 5.97 14	5.26 6.03 8.9			
0+27 = End cone Apron 8.8' Rt Floor = 11' Lt	5.97 5.32 1	5.67 5.62 8.8			
2 Car Garage 0+10 = Start cone Apron 9' Lt Floor = 11' Lt	6.06 5.23 11	6.03 5.26 9'	5.8 5.5	5.8 5.5 8.8	6.10 5.19 8.9 Conc
					6.12 5.17 13.4 Conc
0+06 = ℄ Steps 7.5' wide 8.7' Rt				6.37	6.54 4.70 8.7
0+01 = ℄ 7.3' Walk 8.7' Rt	6.57	6.99	6.23	4.92 8.7	7.83 3.44 10
0+00 = Edge existing pavement	4.70 6.24 0	4.70 8	5.06 6.27	6.57 4.70 8	6.67 4.62 6.23 0
0-10 = ℄ Alley	5.05 5.05 C		5.00		4.86 50
	5.06 11.29 3.40 6.23				
B.M.	2.60 9.63		7.03	S.W.B.I? Santa Barabara Mission Beach Seawall	

X-Section - Alley - Blk - 103
Mission Beach -

1+48 = ℄ 18" conc walk 9.3' Rt

1+45 = ℄ 4' conc walk - 13.9' Lt

1+38 = ℄ 8' Garage Floor (Dirt Floor) 23.9' Lt

T.P. 4.02 3.39 11.92 -0.63

1+35 = ℄ of 9' Garage Floor 9.2' Rt

1+27 = ℄ of 9' Garage Floor 9.3 Rt

1+00

0+92 = End conc. Slab 8.2' Lt

0+88 = End conc Apron 7.9' Rt

0+82 = Brk in conc slab 8.1 Lt

0+79 = ℄ 2 car Garage Floor = 10.4' Rt

0+66 = Start conc Apron 7.8' Rt

Lt.	℄	Rt.
		-0.88 4.27 9.3
-0.36 3.75 13.9		
0.1 3.3 13.9		
	3.39 ℄	
		-0.19 11.48 9.2
		-0.27 11.56 9.3
1.7 9.6 15	1.1 10.2 8	1.0 10.3	1.3 10.0 8	1.6 9.7 13
1.99 9.30 10	1.95 9.34 8.2			
	2.47 8.82 8.1		1.81 9.38 7.9	
			2.79 8.50 7.8	2.73 8.56 10.4
		11.29 ℄		2.86 8.43 10.4

X-Section - Alley BLK 103
Mission Beach

2+41 = ℄ 3' conc Walk 8.3' Lt

2+39 = End Apron 3' conc walk

2+28 = End 2 Car Garage Apron extends on

2+12 = Start conc. Apron 8.1 Lt 2 Car Garage Floor 10.1

2+09 = End 18" Conc Walk 8.2' Lt

2+00

1+90 = Start 18" conc Slab - 8.3 Lt

1+71 = End conc Apron 8.5' Lt

1+57 = power pole 7.7 Rt # P.A. 754

1+54 = Start conc Apron 8.5' Lt.

1+50

Lt.	℄	Rt.
-1.26 4.65 8.3	-1.27 4.66 8.3	
-1.25 4.64 10.3	-1.31 4.70 8.1	
-1.39 4.68 10.1	-1.39 4.78 8.1	
	-1.24 4.63 8.2	
-1.36 4.65 10.1 conc	-1.36 4.65 8.3 conc	-1.4 4.8 8 -1.6 5.0 -1.7 5.1 8 -1.7 5.1 15
	-1.24 4.63 8.3	
-0.49 3.88 15	-0.66 4.04 8.5	
-0.47 3.86 15	-0.53 3.92 8.5	
-0.3 3.7 15	-0.5 3.9 8	0.6 4.0 3.39 -0.4 3.8 8 -0.7 4.1 15

X-Section - Alley Blk 103
Mission Beach

Vertical Drain Has 24" opening
& Grating 2'X2.5'

3+33.5 = Curb Line Mission Blvd

Section on diagonal
3+23.5 = Edge of Existing Conc.

3+22 = ℄ M.H

I.P. = 9.46 4.16 3.69 -0.30

3+00

2+73 = power pole 7.7' Rt # P.A. 178

2+70 = End Apron Edge conc Walk

2+59 = End 2 Car Garage Apron extends on

2+50

2+43 = Start conc Apron for 2 car Garage 8.3' Lt

℄		℄		Rt
-0.29 -0.73 -0.44	-0.96 -4.54 -1.09	-0.94	-0.91 -0.52 -1.04 -0.56	
4.45 4.49 4.60	5.12 8.70 5.25	5.10	5.07 4.68 5.20 4.72	
50	8.1 Bottom	3.8	8.2	5.0
CB Gut CB	Gut drain	℄ drain Grating	Gut CB	Gut CB
	-0.33	-0.46	-0.47	
	4.49	4.62	4.63	
	8.1 Edge		8.2 Edge	
-0.5	-0.32	-0.49	-0.4	-0.5
4.7	4.48	4.65	4.6	4.7
15	8 Edge conc.		8	15
		4.16		
-0.9	-0.9	-1.1	-1.0	-0.9
4.3	4.2	4.15	4.4	4.2
15	8		8	15
	-1.11			
	4.50			
	8.2			
-0.94	-1.09			
4.33	4.48			
10.2 Floor	8.3 Apron			
-0.94 -1.11	-1.1	-1.4	-1.5	-1.8
4.33 4.50	4.35	4.8	4.9	5.2
10.2 8.3	8		8	15
Floor Apron				
-0.92	-1.17			
4.31	4.56			
10.2	8.3			
Floor				
		3.39		

X-Section - Alley Blk 103
Mission Beach

Lt. & Rt

Cont. on P. 47

T.P.	4.65	4.11	4.70	-0.54			
B+64.1 = Edge of Center Island in Blvd.					0.31 4.47 50	0.41 4.57	0.56 4.72 50
						4.16	

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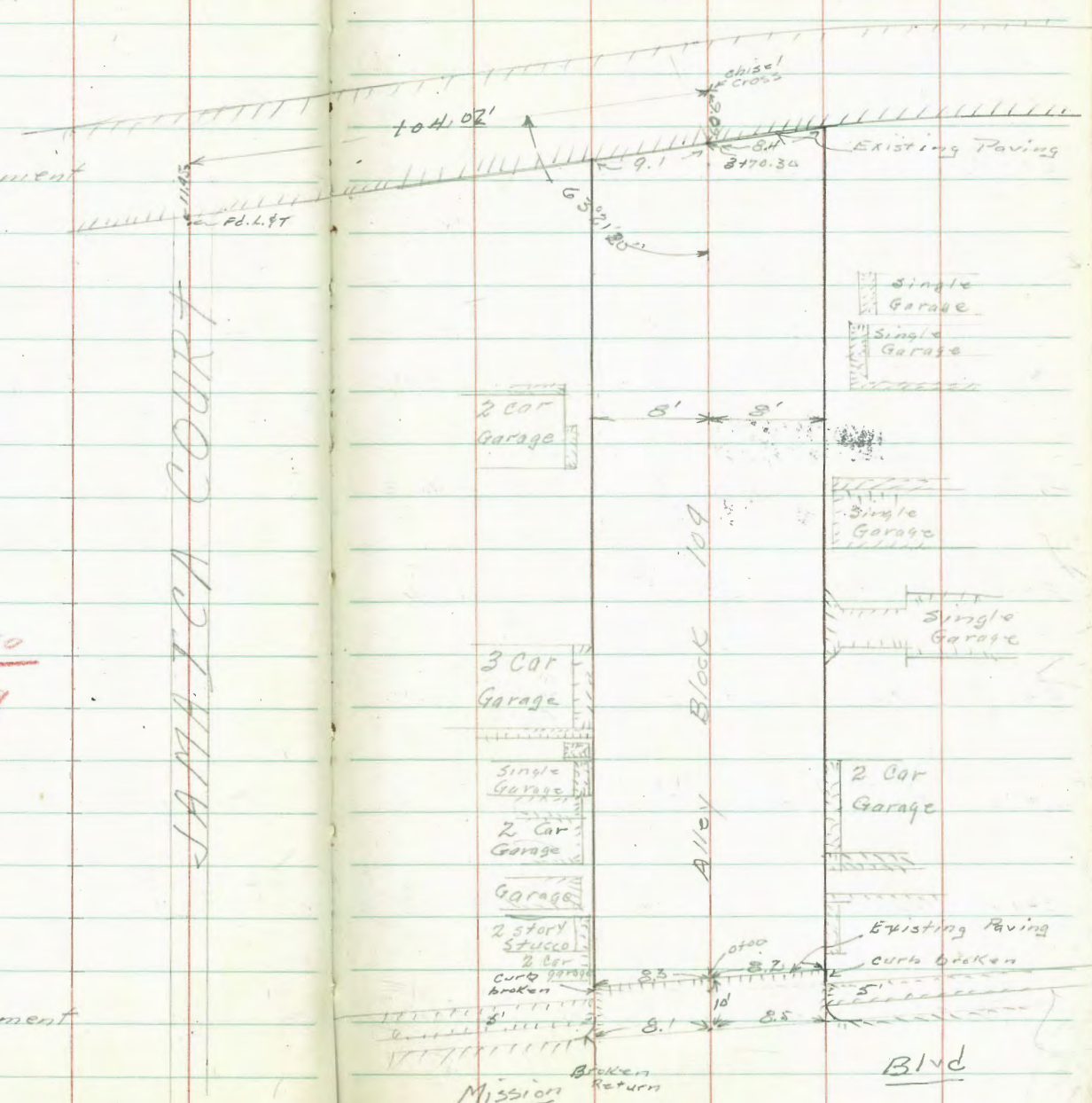
WO 31690

X-Section - Alley Blk 109 Mission Beach

2+70.30 = Edge Existing Pavement

0+00 = Edge Existing Pavement

See FB 2060
10-39



X-Section - Alley Blk 109
Mission Beach

Station	Description	Lt.	℄	Rt.
0+46	= ℄ garage Apron 8.4' Rt Floor 12.3			-1.10 5.21 8.4; -0.50 4.61 12.3
0+37	= Start Conc Apron 8.5' Rt			-1.06 5.17 8.5; -0.69 4.80 11
0+35		-0.15 3.96 11.2	-0.36 4.47 8.2	
0+31	Start 2' Conc. Slab 8.2' Lt. = End 2' Conc Slab 8.2' Lt	-0.58 4.69 11.2	-0.48 4.59 8.2	
0+24	Start 2' Conc. Slab 8.2' Lt = End conc. Apron 8.4' Lt Floor 10.3'	-0.55 4.66 10.3; -0.63 4.74 8.4	-0.43 4.54 8.2	
0+06	2 Car Garage = Start Conc. Apron - 8.5' Lt Floor 10.6'	-0.50 4.61 10.6; -0.68 4.79 8.5		
0+04	= ℄ 2.5' Walk - 7.9' Lt	-0.62 4.73 10.3; -0.69 4.80 7.9		
0+00	Section on diagonal = Edge Existing Pavement	-0.69 4.80 8.3	-0.73 4.84	-0.85 4.96 8.2
0-10	= Curb Line Mission Blvd	-0.75 4.86 Cb; 50; -1.11 5.22 Gut; -1.04 5.15 Gut; -0.88 4.99 10.8 Cb BC; -1.15 5.26 8.1 Gut	-1.18 5.29; -1.21 5.32 8.5 Gut	-1.19 5.30 11.2 Gut BC; -0.95 5.06 Cb; -1.31 5.42 Gut; 50; -1.05 5.16 Cb
0-38.2	= Edge of Paving along Center Island	-0.45 4.56 50	-0.53 4.64	-0.73 4.84 50

Cont. from P. 45

4.11 ℄

X-Section - Alley Blk 109
Mission Beach

1+20 = Start Cone - Apron - 8.5' Lt Floor 10.1

1+16 = ℄ 8' Garage - Dirt Floor - 12.2' Rt

1+02 = ℄ 8' Garage - Dirt Floor 12' Rt

T.P.		4.96	4.05	5.02 -0.91

1+00

0+91 = Power pole 7.5' Rt #A818

0+70 = ℄ 10' Garage Apron 10.5' Lt Floor 12.5

0+65 = ℄ 2' conc wall 6' End Apron - 8.3' Rt

0+59 = ℄ Garage Apron 8.3' Rt Floor 12.3

0+52 = End conc slab 8.2' Lt

0+50

Lt.	℄	Rt.
-0.55 / 4.60 / 10.1	-0.81 / 4.86 / 8.5	
		-1.0 / 5.1 / 12.2
	4.05	-1.0 / 5.1 / 12
-1.0 / 5.1 / 15	-1.0 / 5.1 / 8	-1.0 / 5.1 / 8 -0.8 / 4.9 / 8 -0.6 / 4.7 / 15
-0.23 / 4.34 / 12.5	-0.65 / 4.76 / 10.5	
		-1.09 / 5.20 / 8.3 -0.71 / 4.82 / 12
		-1.06 / 5.17 / 8.3 -0.46 / 4.57 / 12.3
-0.02 / 4.09 / 11	-0.56 / 4.67 / 8.2	
-0.7 / 4.8 / 8	-1.2 / 5.3 / 6	-1.3 / 5.4 / 8 -1.1 / 5.2 / 8
		4.11 / 4.4

X-Section - Alley Blk 109
Mission Beach
3 Car Garage

1+80 = Start Conc Apron 7.8' Lt Floor 10.9

1+78 = ℄ conc 3' walk 8.2' Lt

1+68 = ℄ 15' conc slab 11' Lt

1+57 = End conc. Apron 9.2 Rt. Floor 11.2'

1+54 = ℄ 7.5' Garage Apron 8' Lt Floor 11'

1+50

1+48 = End conc slab 10.' Lt

1+37 = Start conc slab - 10.0' Lt

1+36 = Start Apron on Rt 8.5' Floor = 10.5'
End Apron on Lt 8.4' Floor = 10.0'

1+33 = ℄ 4' conc. walk 8.3' Rt

Lt	℄	Rt
-0.16 4.21 10.9	-0.46 4.51 7.8	
-0.34 4.39 10.9	-0.53 4.38 8.2	
-0.45 4.50 11		
		-0.45 4.50 9.2 / -0.16 4.21 11.2
-0.30 4.35 11	-0.64 4.69 8	
-0.7 4.8 11	-0.7 4.8 8	3.1+0.10 / -0.5 4.6 8
-0.48 4.52 10		
-0.59 4.64 10.		
-0.56 4.61 10	-0.83 4.90 8.4	3.1+1.0 / -0.50 4.35 8.5 / -0.16 4.21 10.5
		-0.37 4.42 8.3 / -0.52 4.37 12
	4.05 4	

X-Section - Alley Blk 109
Mission Beach

	Lt.		℄		Rt
2+81 = End conc Apron 8.7 Lt Floor 11.7	-0.14 6.19 11.7	-0.69 4.72 8.7			
2+67 = Start Conc Apron 8.7 Lt Floor 11.7	-0.19 4.24 11.7	-0.55 4.60 8.7			
2+54 = ℄ 8' Garage - 8.4' to Apron - Floor 12.4	Rt			-1.14 5.19 8.4	-0.71 4.76 12.4
2+50	+0.2 3.9 15	-0.5 4.6 8	-0.9 4.8	-1.1 5.2 8	
2+40 = Power pole - 7.6' Lt R.A. 84 8					
2+26 = ℄ 8' Garage - Dirt Floor 10'6 Lt	-0.7 4.8 10.6				
2+15 = ℄ 8' Garage Dirt Floor = 10.6 Lt	-0.7 4.8 10.6				
2+10 = ℄ of 11' Apron ℄ 8' garage - Floor 22.2	Rt			-0.19 4.84 8.5	+0.20 5.85 22.2
2+06 = End Conc. Apron 7.9' Lt Floor 10.9	-0.19 4.24 10.9	-0.49 4.54 7.9			
2+00		-0.7 4.8 8	-0.9 5.0	-0.6 4.7 8	
			4.05 ℄		

X-Section - Alley Blk 109 Mission Beach

				0.03
				T.03
			2.76	7.06
T.P		5.31	9.82	5.02	9.51
T.P		10.01	9.53	4.18	-0.48

3+79.39 = Chisel Cross = Intersection of Alley & 2nd Bay side Lane Tangent

T.P.		5.21	3.70	5.56	-1.51

Section on diagonal

3+70.30 = Edge of Existing Pavement

3+50

3+16 = ℄ 8' Garage - Apron 12.5' Rt Floor 14.3

3+04 = ℄ 8' Garage - Apron 11.7 Rt Floor 14.1

3+00

2+95 = ℄ 2.5' Walk 11.7 Rt

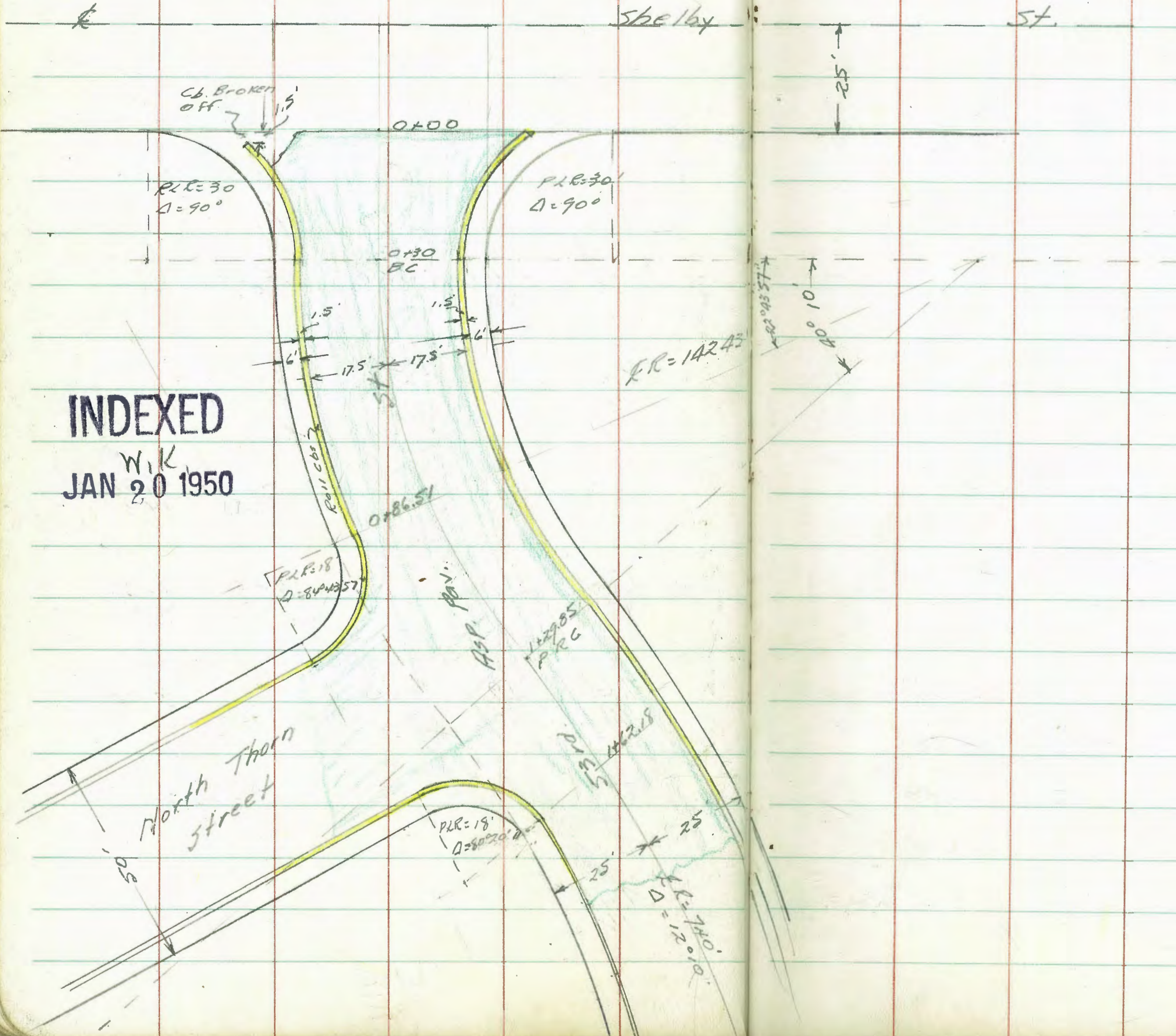
2+94 = ℄ 3' conc Walk 11.7 Lt

S.W.I.B.P. - Santa Barbara Mission Beach Sea wall

	Lt.	℄	Rt
	-1.64	-1.76	-1.89
	5.34	3.46	5.59
	50		50 around Curve
		3.70	
	-1.57	-1.75	-1.59
	5.62	5.80	5.64
	9.1		8.4
	-1.0	-1.2	-1.0 -0.6
	5.1	5.3	5.1 4.7
	12		6 8
			-0.98 -0.77
			5.03 4.82
			12.5 14.3
			-0.39 -0.28
			4.44 4.33
			11.7 14.1
	-0.5	-0.9	-0.6 -0.5
	4.6	5.0	4.7 4.6
	12		8 11
			-0.44
			4.49
			11.7
	-0.37		
	4.42		
	11.7		
		4.05	

12-8-49
Hendricks
Johnson
Greer
Cota
WO# 20006 ?

X Section 53rd. St
Shelby to No Thorn St.



Levels 53rd St.
Shelby to North Thorn

	Edge Asphalt Paving				
0+00	West Line Shelby				
0-04					
0-25 ℄ Shelby					
0-37 = 36" Conc. Water Line					
0-50 East Line Shelby					
TP	6.62	283.09	1.16	276.47	
TP	11.00	277.63	0.38	266.63	
TP	11.61	267.01	0.51	255.40	
TP	7.52	255.91	5.09	248.39	
BM.	6.28	253.48			247.20

0+00 (℄ marked at 276.48):
282.6 / 0.5 / 70 — 280.1 / 2.5 / 50 — 277.48 / 5.61 / 33 — 277.23 / 5.86 / 33 — 277.09 / 6.00 / 33 — 276.76 / 6.33 / 17.5 — 276.48 / 6.61 — 276.08 / 7.01 / 17.5 — 276.02 / 7.07 / 19.6 — 275.6 / 7.5 / 35 — 278.1 / 5.0 / 38 — 278.5 / 4.6 / 50 — 278.4 / 4.7 / 70
Cb. G. Pav
Edge Broken Pav.

0-04:
280.7 / 2.4 / 86 — 278.2 / 4.9 / 50 — 277.1 / 6.0 / 25 — 276.5 / 6.6 — 276.3 / 6.8 / 21 — 275.7 / 7.4 / 40 — 275.6 / 7.5 / 50 — 275.3 / 7.8 / 80 — 275.5 / 7.6 / 100

0-25:
282.9 / 0.2 / 100 — 278.6 / 4.5 / 50 — 277.2 / 5.9 / 25 — 276.5 / 6.6 — 276.1 / 7.0 / 20 — 276.0 / 7.1 / 50 — 276.2 / 6.9 / 100

0-37:
275.49 / 7.60 / Top — 275.48 / 7.61 / 25
36" watermain

0-50:
282.1 / 0.4 / 90 — 278.4 / 4.7 / 50 — 276.8 / 6.3 / 22 — 276.1 / 7.0 — 275.9 / 7.2 / 20 — 276.0 / 7.1 / 50 — 276.4 / 6.7 / 90

℄ Nail 0+30 283.09

Chisel Cross ℄ 54th St. Sta. 22+02.21 FB 1876-14

Shelby St Contd 53rd St

1708.35 = Edge pave Nothorn St.

1706.85 = back side of Cb Nothorn St

0+86.51 BC on right

0+69.90 = ℄ proposed 8' drive to right

0+49.95 = ℄ 8' drive to left

See Page 56 for Curb Returns.

T.P. 6.05 282.52 6.62 276.47

0+30 BC. (Ets of Cb Rets. Rt. & Lt.)

283.09

℄

277.82 277.52 277.12 277.32 277.03 276.72 276.52 276.46
4.70 5.00 5.35 5.20 5.49 5.25 5.45 5.86
175 43 43 50 50 75 75
Pav G Pav G Pav G

277.81 277.51 277.33 277.43 277.60 277.45 276.92
4.71 5.01 5.19 5.09 4.82 5.07 5.60
175 338 338 430 50 75
Pave G BC

281.3 278.4 277.60 277.37 277.27 277.59 277.23 277.32 277.58 278.1 278.1
1.2 4.6 4.92 5.15 5.25 4.93 5.29 5.20 4.94 4.4 4.4
45 29 19 175 175 175 175 19 28 50
Cb G Pave Pave G Cb

281.2 277.9 277.37 277.08 276.96 277.32 276.91 277.03 277.29 277.40 277.8
1.2 4.6 5.15 5.44 5.52 5.20 5.41 5.49 5.23 5.12 4.7
44 25 19 175 175 175 175 19 25 50
Cb G Pave Pave G Cb Form

280.3 277.1 276.99 276.71 276.61 276.92 276.58 276.71 276.94 278.2 278.4
2.18 5.47 5.53 5.84 5.92 5.60 5.94 5.81 5.58 4.2 4.1
45 26 19 175 175 175 175 19 25 42
Cb G Pav Pav G Cb

280.2 277.1 276.62 276.40 276.31 276.42 276.20 276.31 276.54 278.3 278.5
2.4 6.0 6.47 6.69 6.58 6.55 6.89 6.75 6.55 4.9 4.6
45 25 19 175 175 175 175 19 28 50
Cb G Pav Pav G Cb

53rd St cont.

1+62.18

1+45.35 :

1+43.85 = Edge Pave - Na Thorn St

1+29.85 = E.C.

1+09.80

2820 2781 2778 4 2775 0 2773 9 2773 8 2768 9 2769 7 2772 7 2772 2784 2782
0+00 45 4+68 5+02 5+13 5+14 5+63 5+55 5+25 5+3 4+38
50 27 19 175 175 17 5 10 23 32 50
Cb G Pave Pav G Cb

2775 8 2771 7 2768 4 2768 3 2770 8 2768 4
4+94 5+35 5+68 5+37 5+44 6+08
17 5 30 30 39 75
Cb
Pav G Cb Cb

2775 9 2772 1 2768 8 2768 2 2768 0 2768 7
4+93 5+31 5+84 5+70 6+44 6+35
17 5 39 39 75 75
Pave
Cb G Pav G

2819 2788 2781 8 2779 2781 2777 2773 6 2769 5 2768 3
0+00 3+47 4+34 4+60 4+71 4+75 5+16 5+57 6+09
46 26 19 175 175 175 50 75
Cb G Pave

2814 2804 2787 2780 1 2777 6 2776 9 2778 2 2775 2 2773 7 2768 4
0+00 2+51 3+39 4+51 4+76 4+83 4+70 5+00 5+35 5+96
49 40 28 19 175 175 175 43 75
Cb G Pav

2820 52
E

53rd St Cont.

Cb. Return on Right · 53rd & No. thorn

Curb Return to Right
Shelby & 53rd

Curb Return to left

277 33 / 5-19 P
277 42 / 5-10 G
277 68 / 4-84 Cb
#3

277 17 / 5-35 P
277 32 / 5-20 G
277 60 / 4-92 Cb
E.C.

277 23 / 5-39 P
277 33 / 5-19 G
277 58 / 4-94 Cb
B.C.

277 30 / 5-22 P
277 41 / 5-11 G
277 69 / 4-93 Cb
#1

277 31 / 5-21 P
277 44 / 5-08 G
277 70 / 4-82 Cb
#2

276 03 / 6-49 P
276 11 / 6-41 G
276 33 / 6-19 Cb
#3

276 19 / 6-33 P
276 30 / 6-22 G
276 53 / 5-99 Cb
B.C.

275 94 / 6-58 G
276 17 / 6-35 Cb
E.C

275 94 / 6-58 P
275 99 / 6-53 G
276 23 / 6-29 Cb
#1

275 90 / 6-62 P
275 98 / 6-54 G
276 22 / 6-30 Cb
#2

276 26 / 6-26 P
276 35 / 6-17 G
276 58 / 5-84 Cb
#2

276 30 / 6-22 P
276 39 / 6-13 G
276 62 / 5-80 Cb
E.C.

277 08 / 5-44 P
277 27 / 5-30 G
277 48 / 5-04 Cb
E.C

276 77 / 5-75 P
276 97 / 5-65 G
277 16 / 5-36 Cb
#1

276 42 / 6-10 P
276 56 / 5-86 G
276 84 / 5-68 Cb
#2

282.52

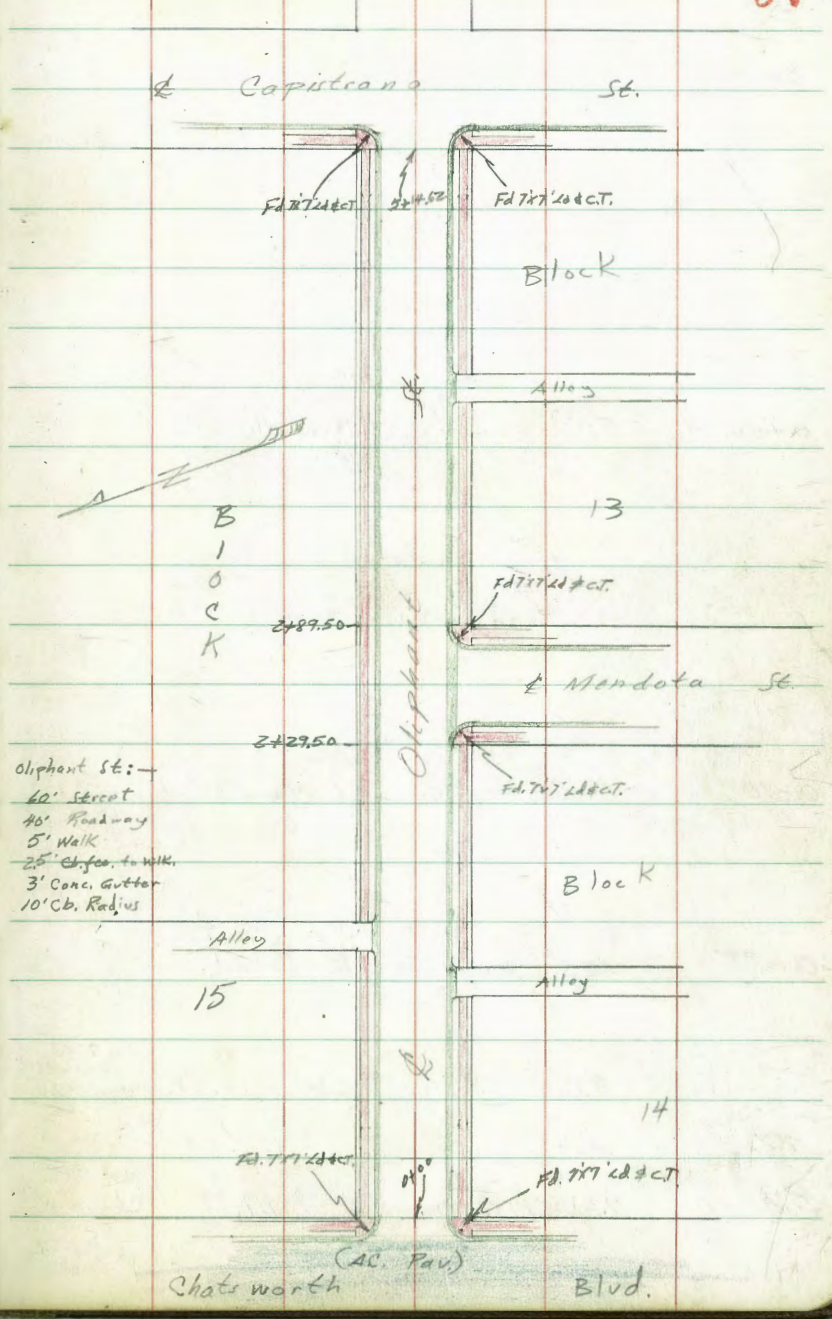
Roberts
Garber
Moore
Clark
~~4-6-50~~
W.O. 31701

X-Section OLIPHANT ST.
Chatsworth to Capistrano

Map 721

INDEXED
W.K.
APR 7 1950

57



Cont'd From Page 57

0+82	℄ Openning in Curb for Drive 10'				
0+50					
0+00	E. Prop. Line Chatsworth				
	Center of Curb Return				
0-10	E. Curb Line Chatsworth (Pav. Edge)				
0-35	℄ Chatsworth Blvd.				
T.P.	3.96	103.87 ✓	6.94	99.91 ✓	So. 7th C.T. Chatsworth & Elephant
TP	0.64	106.85	13.09	106.21 ✓	
BM	1.31	119.30 ✓		117.99 ✓	NW BP Chatsworth & La Cresta

Lt. ℄ Rt.

96.29 96.47 96.32
7.58 7.76 7.55
20 20 17
Lip Gutt E.G.

97.43 96.47 96.71 97.9 98.09 97.89 98.89
6.44 7.40 7.16 6.0 5.78 5.94 4.98
20 20 17 17 20 20
Cb Gutt E.G. E.G. Gutt cb.

97.93 96.97 97.19 98.3 99.13 98.94 99.95
5.94 6.90 6.68 5.6 4.74 4.93 3.92
20 20 17 17 20 20
Cb Gutt E.Gutt E. Gutt. Gutt cb

97.97 97.07 99.18 99.89
5.90 6.80 4.75 3.98
Curb Gutter Gutter curb

95.84 95.25 97.99 97.21 97.49 98.46 99.22 99.40 99.96 102.09 102.63
8.03 8.62 5.94 6.66 6.38 5.41 4.65 4.47 3.71 1.78 1.24
80 80 30 30 20 20 30 30 80 80
Cb Gutt cb Gutt Gutt cb Gutt cb

96.05 98.00 97.16 100.48 102.89
7.82 5.87 4.71 3.59 0.98
80 30 30 80

103.87

Cont'd From Page 58

This Alley has been filled in with Cold Lay to walk Elev. and 3' – 12" pipes to drain street. See X-Sect of the Alley for detail.

		Lt.		℄		Rt.

1+38[6] W. Cb. Line of Alley on Lt.

96.98	97.2	96.7	96.77	95.73	96.02	97.5	97.25	97.09	97.20
6.89	6.7	7.2	7.10	8.14	7.85	6.4	6.62	6.78	6.67
30	30	22	22	20	17		17	20	20
Cb	Gutt	Gutt	Cb	Gutt	E.G.		E.G.	Gott	Lip Drive

1+36[6] BC of Alley Curb Ret. on Lt.

96.74	95.75
7.13	8.12
20	20
Cb	Gott

1+26[8] E.C. of Alley Curb Ret. on Rt

A 2'x2.5' Drop inlet is in 5' Conc. Gutter at the E. Curb Ret. of Alley. It is completely plugged with dirt!

96.97	97.96
6.90	5.91
20	20
Gutt	Cb

1+24[8] E. Cb. Line of Alley on Rt

96.78	95.81	96.03	97.3	97.15	96.93	97.09	97.99	98.7	98.12
7.09	8.06	7.84	6.6	6.72	6.94	6.78	5.88	5.2	5.75
20	20	17		17	20	22	22	30	30
Cb	Gutt	E.G.		E.G.	Gutt	Gutt	Cb	Gutt	Cb

1+09[8] W. Cb. Line of Alley on Rt.

96.81	95.85	96.07	97.3	97.13	96.99	97.09	97.91	98.2	98.13
7.06	8.02	7.80	6.6	6.74	6.88	6.78	5.96	5.7	5.74
20	20	17		17	20	22	22	30	30
Cb	Gutt	E.G.		E.G.	Gutter	Gutt	Cb	Gutt.	Cb

1+07[8] BC of Alley cb. Ret. on Rt

96.97	97.95
6.90	5.92
20	20
Gutt	Cb

0+90

97.00	96.00	96.24	97.5	97.31	97.14	98.13
6.87	7.87	7.63	6.4	6.56	6.73	5.74
20	20	17		17	20	20
Cb	Gott	E.G.		E.G.	Gott	Cb

103.87

103.87

Cont'd From Page 59

Station	Notes				Lt		℄		Rt
2+05	Lt. ℄ 15' Openning in cb. for Drive				96.89 / 9.23 / 20 Cb Lip	96.83 / 9.27 / 20 Gutt			
2+00					~~97.78~~ 97.78 / 8.34 / 20 Cb; 96.72 / 9.40 / 20 Gutt	96.98 / 9.14 / 17 EG	98.0 / 8.1	98.42 / 7.70 / 17 EG	98.28 / 7.84 / 20 Gutt; 99.26 / 6.86 / 20 Cb
T.P.	7.65	106.12	5.40	98.47			106.12		
1+75					97.15 / 6.72 / 20 Cb; 96.16 / 7.71 / 20 Gutt	96.42 / 7.45 / 17 EG	97.6 / 6.3	97.92 / 5.95 / 17 E.G.	97.77 / 6.10 / 20 Gutt; 98.74 / 5.13 / 20 Cb
1+55[5]	E.C. Curb Ret. of Alley on Lt.				96.87 / 7.00 / 20 Cb	95.86 / 8.01 / 20 Gutt			
1+53[5]	E. Cb. Line of Alley on Lt.				97.03 / 6.84 / 30 Cb; 97.1 / 6.8 / 30 Gutt; 96.9 / 7.0 / 22 Gutt; 96.91 / 6.96 / 22 Cb	95.84 / 8.03 / 20 Gutt; 96.08 / 7.79 / 17 E.G.	97.6 / 6.3	97.57 / 6.30 / 17 E.G.	97.40 / 6.47 / 20 Gutt; 98.33 / 5.54 / 20 Cb
1+41[5]	℄ 14' Openning in Cb for Drive							97.31 / 6.56 / 17 E.G.	97.16 / 6.71 / 20 Gutt; 97.24 / 6.63 / 20 Lip
		103.87					103.87		

Cont'd From Page 60

		Lt		℄		℞				
2+76 50	E. Line of Edge of 3' Conc. Gutter	99.58	98.64	98.81	99.9	99.87	99.76	100.02	100.18	102.10
		6.54	7.48	7.21	6.2	6.25	6.36	6.10	5.94	4.02
		20	20	17		17	20	22	30	75
		CB	Gutt	EG		EG.		EG	CH	
2+70	Lt & 11' Opening in Curb for Drive		98.78	98.49						
			7.42	7.63						
			20	20						
			Lip	Gutt						
2+59 50	& Mendota	99.22	98.36	98.31	99.68		99.7		100.0	102.0
		6.90	7.86	7.61	6.44	=	6.4	=	6.1	4.1
		20	20	17	Rim	17	20	22	30	80
		CB	Gutt	E.G.	MH	E.G.		E.G.		
						Gone from cut to cut in Sewer				
2+42 50	W. Line of Edge of 3' Conc. Gutter	98.77	97.84	98.10	98.6	99.39	99.16	99.24	99.38	101.56
		7.35	8.28	8.02	7.5	6.73	6.96	6.88	6.74	4.57
		20	20	17		17	20	22	30	80
		CB	Gutt	EG		EG		E.G.		
2+39 50	W. Curb Line Mendota	98.67	97.72	98.01	98.5	99.35	99.09	99.18	99.14	99.97 101.27 102.20
		7.45	8.40	8.11	7.6	6.77	7.03	6.94	6.98	6.15 4.85 3.92
		20	20	17		17	20	22	30	30 20 80
		CB	Gutt	EG		E.G.	Gutt	EG	Gutt	CB Gutt CB
	Center Curb Return						99.03		99.93	
							7.09		6.19	
							Gutter		Curb	
2+29 50	W. Line Mendota St.	98.43	97.48	97.74	98.3	99.18	98.94		99.92	
		7.69	8.64	8.38	7.8	6.94	7.14		6.20	
		20	20	17		17	20		20	
		CB	Gutt	E.G.		EG	Gutt		CB	
		106.12				106.12				

Cont'd From Page 62

		Lt	℄	Rt
3+92.56	B.C. of Alley Curb Ret on Rt			104.20 / 1.92 / 20 / Gutt ; 105.18 / 0.94 / 20 / CB
3+77	Rt ℄ 19' Openning in Curb			103.62 / 2.50 / 17 / EG. ; 103.51 / 2.61 / 19 / Gutt ; 103.67 / 2.45 / 19 / Lip — Built passed old Cb Line
3+50	Lt. ℄ 11' Openning in Curb	101.50 / 4.62 / 20 / Lip ; 101.39 / 4.73 / 20 / Gutt ; 101.60 / 4.52 / 17 / EG	102.4 / 3.7 ; 102.55 / 3.57 / 17 / EG.	102.33 / 3.79 / 20 / Gutt ; 103.34 / 2.78 / 20 / Cb
3+05	Lt. ℄ 14' Openning in Curb	99.71 / 6.41 / 20 / Lip ; 99.60 / 6.52 / 20 / Gutt ; 99.80 / 6.32 / 17 / EG	100.7 / 5.4	100.79 / 5.33 / 17 / EG ; 100.59 / 5.53 / 20 / Gutt ; 101.59 / 4.53 / 20 / Cb
2+89.50	E. Line Mendota	99.94 / 6.18 / 20 / Cb. ; 98.88 / 7.14 / 20 / Gutt ; 99.20 / 6.92 / 17 / EG	100.2 / 5.9	100.13 / 5.99 / 17 / EG ; 99.97 / 6.15 / 20 / Gutt ; 100.98 / 5.14 / 20 / Cb
	Center Curb Return			99.92 / 6.20 / Gutter ; 100.95 / 5.17 / Curb
2+79.50	E. Curb Line Mendota	99.68 / 6.44 / 20 / Cb ; 98.74 / 7.38 / 20 / Gutt ; 98.97 / 7.15 / 17 / EG.	100.0 / 6.1 ; 99.94 / 6.18 / 17 / EG	99.80 / 6.32 / 20 ; 100.09 / 6.03 / 22 / EG ; 100.04 / 6.08 / 30 / Gutt ; 101.60 / 5.12 / 30 / Cb ; 101.94 / 4.78 / 35 / Gutt ; 102.90 / 3.22 / 35 / Cb

106.12

106.12

Cont'd From Page 62

		Lt.	℄	Rt.
5+00		112.64 4.47 20 Cb	111.70 111.85 5.46 5.31 20 17 Gutt EG	112.1 112.84 112.64 113.59 5.1 4.32 4.52 3.57 17 20 20 EG Gutt Cb
4+75		110.46 6.70 20 Cb	109.50 109.66 109.9 7.66 7.50 7.3 20 17 Gutt EG	110.52 110.35 111.27 6.64 6.81 5.89 17 20 20 EG Gutt Cb
4+55		108.51 8.65 20 Cb	107.53 107.73 108.3 9.63 9.43 8.9 20 17 Gutt EG	108.70 108.56 109.54 8.46 8.60 7.62 17 20 20 EG Gutt Cb
4+32	Rt. ℄ 19' Openning in Curb	106.76 10.40 20 Cb	105.80 105.93 106.6 11.31 11.23 10.6 20 17 Gutt EG	106.72 106.60 Just Being Built. 10.44 10.56 Not poured yet! 17 20 20 EG Gutt Alley
4+11.56	E.C. Curb Rpt of Alley on Rt.			105.29 106.28 11.87 10.88 20 20 Gutt Cb
4+09.56	E. Curb Line of Alley on Rt	105.13 104.18 12.03 12.98 20 20 Cb Gutt	104.39 105.3 105.39 12.77 11.9 11.81 17 11.7.16 17 EG EG	105.46 105.37 106.25 106.4 106.44 12.00 11.85 10.91 10.8 10.72 20 22 22 30 30 Gutt Cb Gutt Cb
T.P.	12.44 117.16 140 104.72			
3+94.56	W. Curb Line of Alley on Rt	104.26 1.96 20 Cb	103.34 103.54 104.4 104.47 2.78 2.58 1.7 1.65 20 17 17 Gutt EG EG	104.34 104.52 105.34 105.6 103.61 1.78 1.60 0.78 0.5 0.51 20 22 22 30 30 Gutt Cb. Gutt Cb
	106.12		106.12	

Cont'd From Page 63

Check			0.81	129.90 = 129.87
T.P.	11.64	130.71	1.20	119.07
5+44.62	℄ Capistrano			
5+27.62	W. Line Gutter Edge			
5+24.62	W. Curb Line Capistrano			
	Center of Curb Returns			
5+44.62	W. Line Capistrano	St.		
T.P.	5.11	120.27	2.00	115.16

117.16

Lt. ℄ Rt.

see EB 1403 pg 5
NW 3' Tie Back Under Capistrano & Macaulay

112.4	114.2	115.2	115.8	116.5
7.9	6.1	5.1	4.5	3.8
80	30		30	80

111.71	113.26	113.7	114.1	114.6	114.43	114.92
8.56	7.01	6.6	6.2	5.7	5.84	5.35
80	30	20		20	30	80

112.47	111.50	113.94	112.98	113.6	114.0	114.5	114.15	114.95	114.67	115.58
7.20	8.77	6.33	7.29	6.7	6.3	5.8	6.12	5.32	5.60	4.69
80	80	30	30	20		20	30	30	80	30
Cb	Gutt	Cb	Gutt				Gutt	Cb	Gutt	Cb

113.18	113.94	113.05	114.11	114.93	114.49
7.09	6.33	7.22	6.16	5.34	5.78
Gutt E.	Curb	Gutter	Gutter	Curb	Gutt E.

113.96	112.97	113.14	113.3	114.08	113.92	114.88
6.31	7.30	7.13	7.0	6.19	6.35	5.39
20	20	17		17	20	20
Cb	Gutt	G E		G.E.	Gutt	Cb

120.27

Cross Sec. Talbot St.
Scott Ely past M.H.T. Line.

10 Apr. 1951
W.O. 25020

Sommermeyer
Begg
D. Sisson
Wiciszewski

T.P. sheet 817
Map # 1152

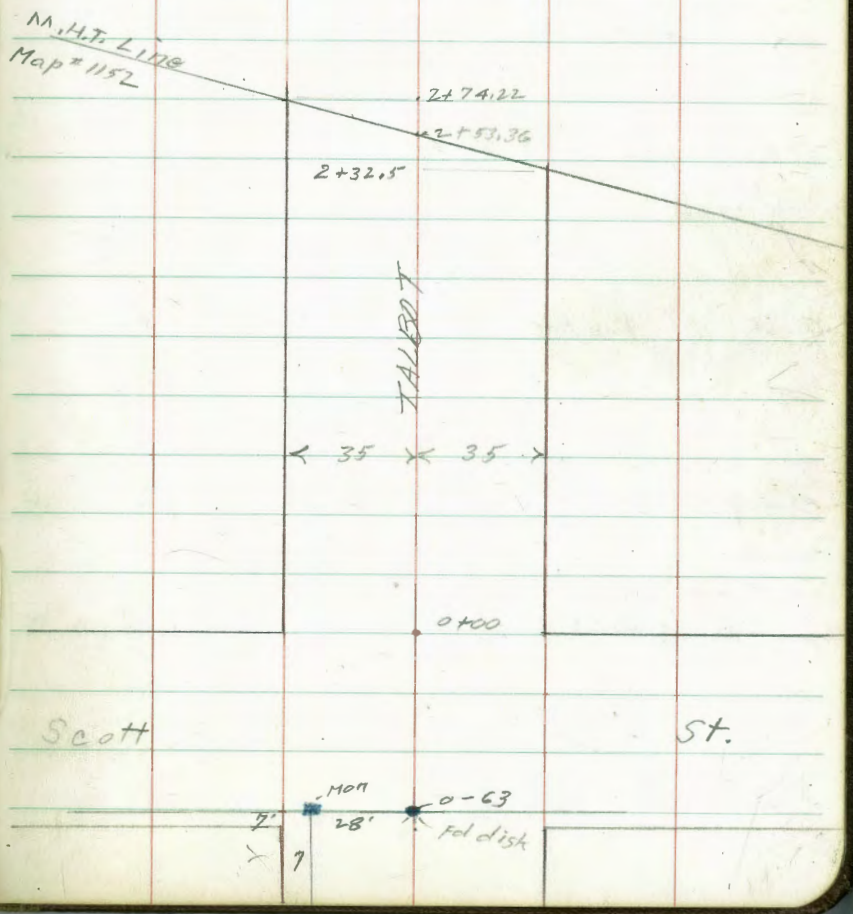
For Talbot St. X-sec. from Ely. line of Scott to Rosecrans see recent notes by C. Walker. (13-27-53

line produced thru Scott from Rosecrans. (Tie sheet 817)

Reduced
4-11-51
Ryan

3009-D

65



	35E Rt. = ± 4' wide conc. walk			
1+19	34J Rt. = ± 3E wide conc. step to walk			
1+00				
0+50				
0+03	27G Rt. = end existing ck.			
	E.P. = edge of Pave where checked.			
0+00	Talbot has A.C. Pave. 4" thick			
	conc. ck. + walk			
0−70	25' Rt. = end 5H wide Comb.			
set. B.M.#3	3.25	13.48	7.88	10.23
	0.16	18.11	8.05	17.95
Set. B.M. #2			3.39	22.61
B.M.#1	6.45	26.00		19.55

			5.98	5.78	6.16	6.06
			8.0	7.70	7.32	7.41
			34J ont.	34J step	35E walk	43 walk
6.48	5.63	5.75	4.69	6.48		
7.0	7.95	7.73	8.79	7.0		
35	13 E.P.		22 E.P.	35		
8.88	6.83	7.18	6.46	7.48		
4.6	6.65	6.3	7.02	6.0		
35	13 E.P.		21 E.P.	35		
				7.38	7.90	
				6.10	5.58	
				G	27E ck. end.	
8.98	8.13	8.57	8.00	7.47	7.99	9.08
4.5	5.35	4.91	5.48	6.01	5.49	4.4
35	12 E.P.		20	28 G	28 ck	35
				10.14	10.23	
				3.34	3.25	
				25 ck.	30A Back edge walk	
		13.48				

line Scott.

□ back edge sly walk Talbot at wly

Nly 7' Disk Talbot + Rosecrans

Rosecrans + Upshur. Nly. 7' L.±T.

16 Rt. = Nly. post to Yacht club gate

3+15.5 — 0.5 Rt. = sly post to yacht club gate

3+00

2+74.22 — 35' Lt. = intersect M.H.T. Line

2+53.36 = ℄ intersect M.H.T. Line

T.P. 4.94 8.02 10.40 3.08

2+32.5 — 35' Rt. = intersect M.H.T. Line.

2+00

1+50

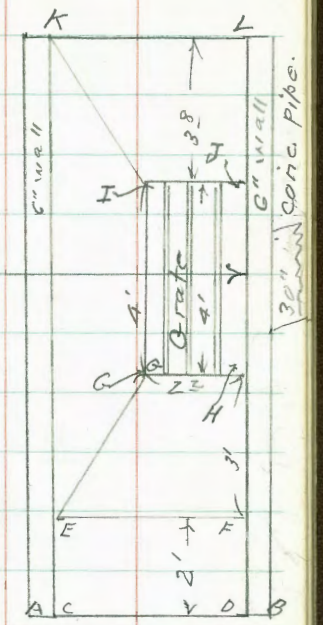
℄

	3.06	2.81	2.70	3.02	-1.18	
	4.96	5.21	5.32	5.0	7.2	
	35		4	35	60	
	Pave		E.P.		on beach	
4.27	3.02	2.91	3.02	2.75	3.32	-.18
3.8	5.0	5.11	5.00	5.27	4.7	8.2
50	35	33		4	35	60
		E.P.		E.P.		
4.62	3.10	3.12	2.57	3.6	.82	
3.4	4.92	4.90	5.45	4.4	7.2	
35	23		7	35	60	
	E.P.		E.P.			
		8.02				
4.78	3.23	3.20	2.70	3.68	.68	
8.7	10.25	10.28	10.78	9.8	12.8	
35	23		7	35	60	
	E.R		E.P.			
4.98	3.60	3.57	2.57	3.78	3.28	
8.5	9.88	9.91	10.91	9.7	10.2	
35	20		19	35	50	
	E.P.					
5.38	4.27	4.38	3.45	4.58		
8.10	9.21	9.10	10.03	8.9		
35	18		19	35		
	E.P.					
		13.48				

Detail catch basin

Sta. 3+41

24.7 ℄



13.80
INVERT
4' x 4' Box

.63	.64	.63	2.09	1.97
7.31	7.30	7.31	5.85	5.97
H	I	J	K	L

1.96	1.87	1.37	1.43	1.45	1.39	.63
5.98	6.07	6.57	6.51	6.49	6.55	7.31
A	B	C	D	E	F	G

7.94

a - ctr. back wall - catch basin 24.7 Rt. of 3+41

			3.02	2.80	2.77	2.72	1.92	3.42	-1.08
			5.0	5.22	5.25	5.30	6.10	4.6	9.1
			35	17		A	24.7	35	46
				L.P.			C.B.		on
									beach

8.02

Set B.M. 6.05 7.94 6.13 1.89

3+41 24.7 Rt. : ℄ catch basin

see detail

				0.01	
orig B.M.			7.74	19.54	(19.55)
Check B.M. #2			4.67	22.61 ✓	22.61
	6.17	27.28	0.11	21.11	
Check B.M. #3	10.99	21.22	3.99	10.23 ✓	10.23
Meter box T.P.	10.47	14.22	4.19	3.75	

4+00

2.94	2.73	2.79	2.72	3.44	-1.26	-2.09	
5.0	5.21	5.15	5.22	4.5	9.2	10.3	
35	25		2	17	25	35	
	E.P.		E.P.		on beach		

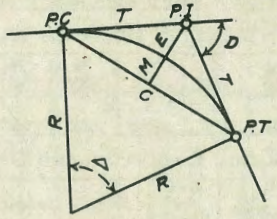
3+65 Cont.

-2.56	-8.02		
10.5	15.96		
50	69		
	I.E. outlet 30" Conc. pipe		

3+65

2.94	2.87	2.85	2.84	3.74	-.76	-1.26	
5.0	5.07	5.09	5.10	4.2	8.7	9.2	
35	19		3	30	35	37	
	E.P.		E.P.			07	
		7.94				Beach	

DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES



CURVE FORMULAS

Radius=R=$\frac{50}{\sin. D/2}$ (1) Degree of Curve=D and sin. $\frac{D}{2}=\frac{50}{R}$ (2)

Tangent=T=Rtan$\frac{\Delta}{2}$ (3) Length of Curve=L=100$\frac{\Delta}{D}$ (4)

Middle ordinate=M=R(1—cos. $\frac{\Delta}{2}$) (5)=Rvers $\frac{\Delta}{2}$ (6)

External=E=Ttan$\frac{\Delta}{4}$ (7)=R ÷ cos.$\frac{\Delta}{2}$—R (8)=Rexsec$\frac{\Delta}{2}$ (9)

Long Chord=C=2 R sin.$\frac{\Delta}{2}$ (10) Δ=Central Angle

EXPLANATION AND USE OF TABLES

Stations.—Given P. I.=Sta. 161+60.35 to find Sta. of P. C. and P. T. Δ=62° 10′ D=8° 20′. From Table IV for 1° curve T=3454.1 and ÷8⅓=414.49 ft. From Table V correction=.36 or T=414.85 ft. P. C.=Sta. P.I.—T=157 +45.50. Also from (4) L=746.00 and P. T.=Sta. P. C.+L=164+91.50.

Offsets.—Tangent offsets vary (approximately) directly with D and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent offset for 100 ft.=7.27 ft. Distance=158—Sta. P. C.=54.50, hence offset=7.27 $(54.50 \div 100)^2$=2.16 ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus $(54.50)^2 \div (2 \times 688.26)$=2.16 ft.

Deflections.—Deflection angle=½ D for 100 ft., ¼ D for 50 ft., etc. For c ft.=(in minutes) .3 x C x D° or=defl. for 1 ft. from Table III x C. For Sta. 158 of above curve=.3 x 54.5 x 8⅓=136.2′ or 2° 16.2′, or=2.50 x 54.5=136.2′ from Table III. For Sta. 159 deflection angle=2° 16.2′ +8° 20′ ÷2=6° 26.2′, etc.

Externals.—May be found in similar manner to tangents. Thus E for curve above is 115.37. For from Table IV for 1° curve E=960.6 for 8° 20′=960.6 ÷8⅓=115.27 and from Table V correction=.10 or E=115.37 ft. Or suppose Δ=32° and E is measured and found to be 42 ft. What is D? From Table IV E=230.9 and ÷42=5.5 or D=5° 30′.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9+(20—16)+2 or 2 ft. added to 41.9 =43.9. For slopes of 1 on 1 see inside of front cover.