ENGINEERS

LEVEL BOOK

No. 410F

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.

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CITY ENGINEER'S OFFICE

INDEXED

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.

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P

Xsec alley Blk 93 Ex. Morse add. 2

140' Sewer Const. Blk 13 Swan's Add 15

Fire Sta. Chamouno + Orange
X-Sect. Lots. 29-32 Blk 3 22-26

X Sec. Alley, Bl. 3 27
La Mesa Colony

X sect Park Blvd. 36-
Univ. to El Cajon

Cross Sec. 20' alley

Moore
Bagg
Green
Roberts
3-30-48

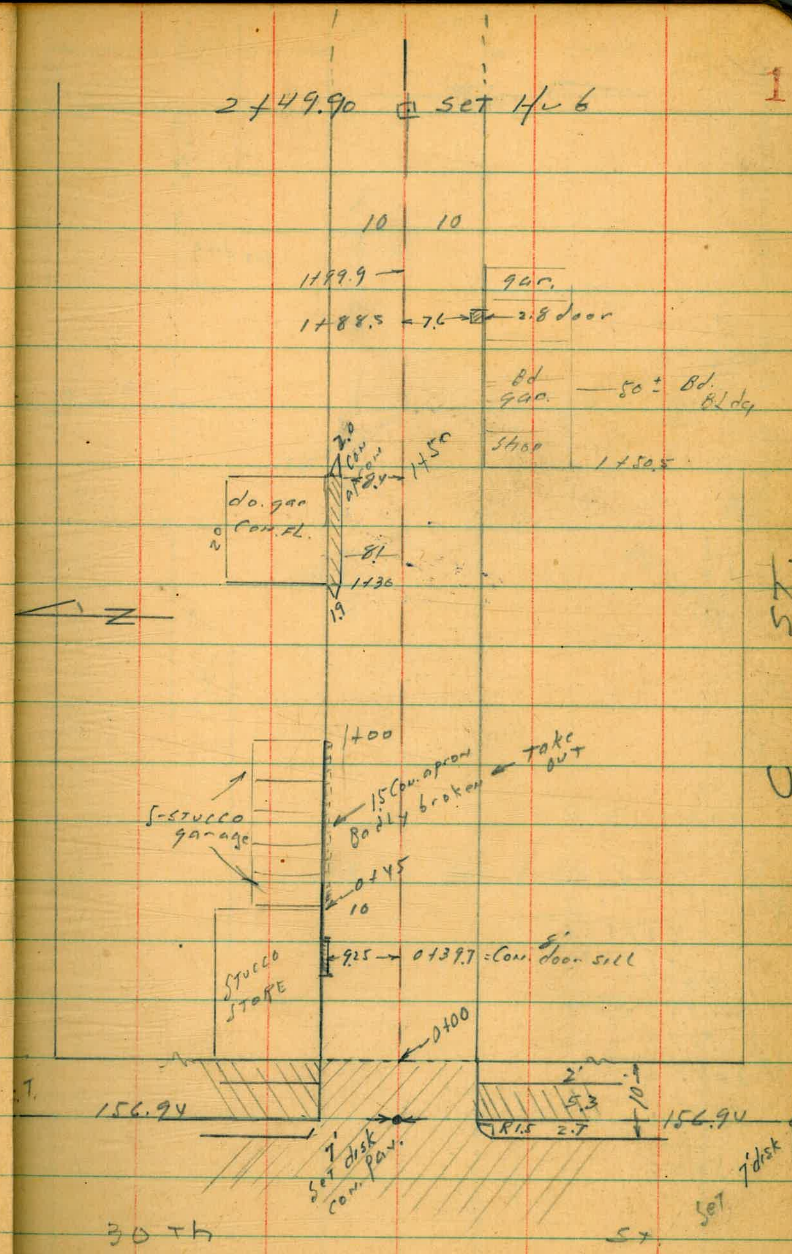
Blk 93 E.W. Morse Sub.

W.O. 31240

Indexed

INDEXED

2)313.88
156.94

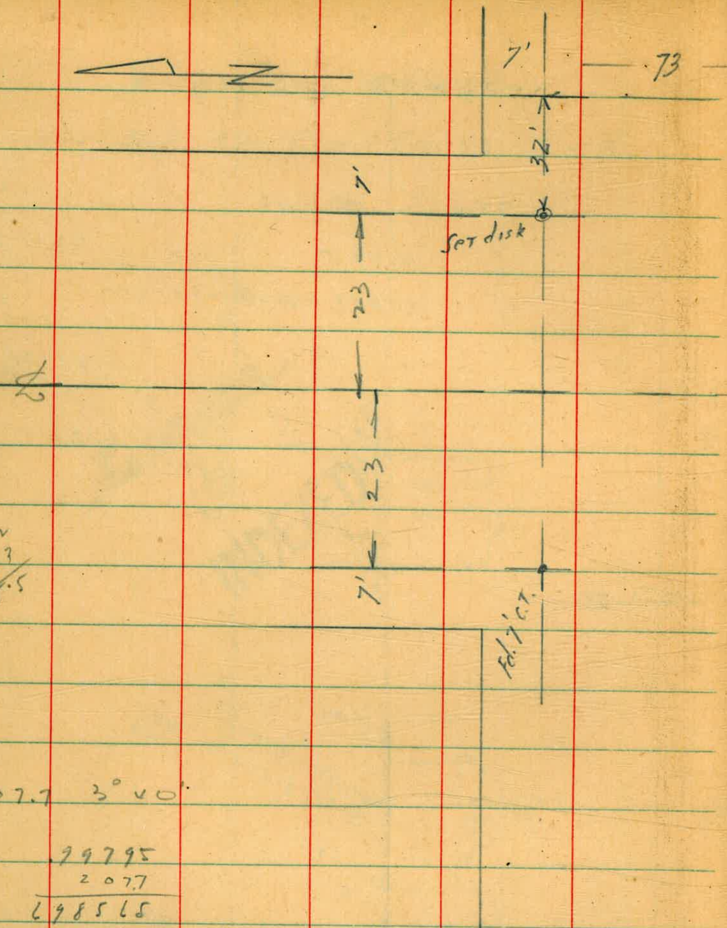


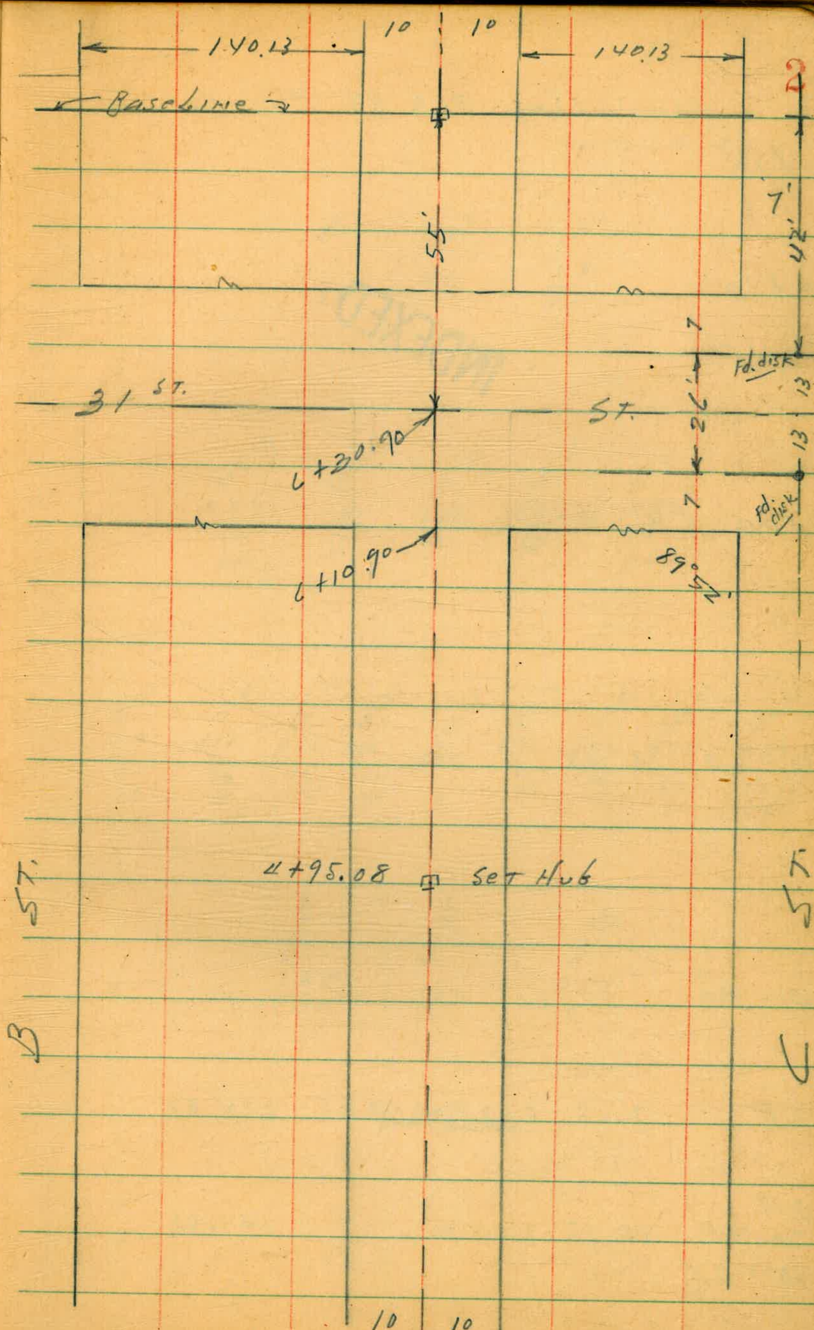
3²
3
2
5.5

√2
13
55

207.7 3°40'

99795
2077
698565
698565
199590
20727742I3
99.99
307.26
7
300.26
150.26





Xsec alley Blk 93 Ewaloonse

INDEXED

					Lt	℄	Rt
0+13							NW Cor Fr. house 13.4
0+10					209.1 3.2 / 10	208.2 4.1	208.6 3.7 / 10
0+00 E.L. 30th St.					208.93 3.39 / 10 cb; 208.52 3.80 / 10 P	207.54 4.78 P	207.25 5.07 / 10 P; 207.34 4.98 / 10 cb
0-1.0 E cb					211.23 1.09 / 42 cb; 210.61 1.71 / 42 gr	208.77 3.55 / 12 cb; 207.97 4.35 / 10 gr; 207.09 5.23 P	206.41 5.91 / 10 gr; 206.71 5.61 / 12 cb; 202.99 9.33 / 50 gr; 203.50 8.82 / 50 cb
0-30					210.47 1.85 / 40	207.25 5.07	203.28 9.04 / 50
T.P.	7.45	212.32	0.85	204.87		212.32	
B.M. SWBP 30th + C	10.76	205.72		194.96			

Note! offsets to Prop. edge of Poles

Station	Description	Lt		℄		Rt
0+68	10.2 Rt P.P. P.H. 3016					
0+62	E. edge do. gar. Con	210.63 1.69/10 FL. EL.		210.0 2.3	210.1 2.2/10	209.5 2.8/17
0+58						N.E. Cor. House 13.3
0+54	℄ do. gar. Lt Con Floor	210.42 1.90/10 FL. el.		209.6 2.6	209.7 2.6/10	
0+45.5	W. edge do. gar. on Lt	210.44 1.88/10 Con. FL.		209.6 2.7	209.6 2.7/10	
0+43	S. edge 2" Pipe vent	Vent 9.8				
0+41	S. edge of 4" C.I. Sewer cleanout	C.I. Pipe 9.7				
0+39.7	℄ 8' Con. door Sill	210.04 2.28/10 FL. EL.	209.94 2.38/9.25 Con Sill	209.4 2.9	209.5 2.8/10	

212.37

212.37

Station	Description	Lt		℄	Rt	
1+16.2	NE Cor house also Beg Bd Fence				211.3 / 7.5 / 9.8 ground	212.0 / 6.8 / 9.8 = Fd.
1+02.8	NW Cor of House				210.8 / 8.0 / 9.8 ground	212.0 / 6.8 / 9.8 Top Con. Fd.
1+02	SW Cor. Fr. House	House / 10				
0+98.3	E edge 3 car gar. Con. Fl.	211.91 / 6.85 / 10 Con. Fl. el.	210.7 / 8.1	210.5 / 8.3 / 10		
0+85.5	℄ Middle gar. Con.	211.65 / 7.11 / 10 Fl. el.	210.5 / 8.3	210.3 / 8.5 / 10	209.8 / 9.0 / 20	
T.P. Rock	8.34 218.76 1.90 210.42		218.76			
0+80	end of Badly broken Con. apron N.G. 1.5 Con. apron N.G. take out					
0+72.5	W. edge of 3 Car gar Con. Floor	211.38 / 0.94 / 10 gar. Fl. el.	210.4 / 2.1	210.0 / 2.3 / 10	209.4 / 2.9 / 20	
0+69.5	℄ of 7.6 door	210.98 / 1.34 / 10 Con. sill				
	212.32		212.32			

1+88.5 ℄ 3.5 Con slab & 2-8 door to shop

1+72 E. Bd. gar. in 1-50' Shed

T.P. Nail
P.P. 2+00 3.59 219.82 2.53 216.23

1+50.5 NW Cor Bd. Shop

1+50 E. edge de. gar on Lt.

1+30 W edge de. gar. Con FL.

1+28 SE Cor House and W. edge
1.8 Con walk

218.76

Lt	℄	Rt
		214.86 / 4.96 / 7.5 Con slab
		214.90 / 4.92 / 10.5 Sill door
		214.5 / 5.3 / 10.5 door FL.
	219.82	
		Con. shop. 10.5
217.79 / 5.97 / 10.4 gar FL.	217.55 / 6.21 / 8.4 apron	217.8 / 6.0
		213.5 / 5.3 / 10.
		End Bd. Fence 10.5
217.66 / 6.10 / 10 gar. FL.	211.95 / 6.81 / 8.1 Con apron	211.5 / 7.3
		211.9 / 6.9 / 10
212.14 / 6.64 / 10.2 walk	House 10.1	
	218.76	

2+68 Singar Con FL 12' wide

2+43 ℄ Singar. Con. FL.

2+35 end Bd Fence

2+19.5 Beg Bd Fence

2+07 ℄ Singar Con FL

1+99.9

1+95 ℄ Singar Con. FL.

219.8 N

Lt	℄	Rt
216.0	215.4	215.0
3.8	4	4.8
10	1	
		215.5
		4.3
		10
		215.44
		4.38
		12.3
216.7		215.6
4.1		4.2
10		
		215.7
		4.1
		10
		215.80
		4.02
		12.3
		Con. FL.
		Fence
		11.1
		Fence
		10.9
215.5	215.1	215.6
4.3	4.3	4.2
10		10
		215.64
		4.18
		10.7
		Con. FL.
		P.P.
		9.5
		NE Cor Long shed
		10.8
216.3	215.4	214.89
4.15	4.6	4.93
10		10.8
		Con FL. gar.

219.8 N

Station	Description	Lt		℄		Rt
		214.5	217.8	217.5	217.8	
3+25	Beg. Bd Fence	Top Cobble wL 5.3 / 10.5	7.0 / 9	7.3	7.0 / 10	Fence / 11.3
3+24	Beg wire fence + Cobble wall	Fence / 10.5	Cob. wL / 9.5			
3+23.7	SE Cor Porch	Porch / 11				
3+16.5	Sw. Cor Porch	Cor Porch / 11				
3+12	℄ Singar. + Con. apron 9.2 wide		214.7 5.1 / 10	213.7 6.1	213.86 5.96 / 9 apron	214.35 5.47 / 11.2 Con apron · 214.58 5.24 / 12.2 Con. FL.
3+00	P.P. P.A. 3040				P.P. / 9.2	
2+92	℄ Singar dirt		215.6 4.2 / 14.4 dirt			
2+86	℄ Con Patio 16' wide		215.3 4.5 / 10	214.8 5.0	215.1 4.7 / 10	215.11 4.71 / 11.7 CON PATIO

219.82

219.82

+89 beg bd shed 10.1 R
Edge of apron 7.5 R
S. end conc walk
single garage
+80.5 west edge conc apron 7.5 R

75.5 10.6 R end of bd fence

75.5 10.8 3.1 wide walk conc

3+73.5 10.8 Lt end conc ret wall

+6.9 8.5 R P. Pole PA 3 056

3+65 10.7 Lt beg conc ret wall

3+51 end of cobble wall

219.8

	L		¢		R	
					207.17 12.65 7.5 apron	207.47 12.35 10.1 floor
208.06 11.76 10.8 Conc walk	208.1 11.7 10	207.7 12.1 7	207.5 12.3		207.41 12.41 7.5	207.49 12.33 10.1 floor
209.29 10.53 10.8	208.8 11.0 10 / 208.0 11.8 7		207.8 12.0	208.0 11.8 10		
209.8 10.0 10.8						
210.2 9.6 10.7 to conc	209.2 10.6 10		208.6 11.2	208.7 11.1 10		
211.9 7.9 10 r top wall	210.9 8.9 9	210.2 9.6 5	209.8 10.0			209.8 10.0 10

219.8

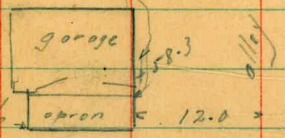
Station			Description	L	℄			R
+ 14.6				205.07 2.40 15.3 floor conc	205.08 2.39 12.3 apron			
+ 14.5	12.3		℄ Dbl garage break in grade of apron & floor	205.67 1.80 15.2 floor conc	205.53 1.94 12.3 apron	205.4 2.1 10	205.3 2.2	205.5 2.0 10
+ 08	10.2 R		end bd shed & beg bd fence					
			Dbl garage					
+ 07			West edge	205.69 1.78 15.2 conc floor	205.67 1.80 12.2 apron			
3 + 01	9.0 Lt		S. end conc drain from N		206.22 1.25 9.0			
4+00	10.8 Lt		end of fence					
T.P.	0.68	207.47	13.03 206.79				207.47	
3 +91.7			S edge of 3' conc sidewalk	207.48 12.34 10.9 S edge 3' walk	207.1 12.7 10		206.7 13.1	206.[illegible] 13 10
			219.82				219.82	

+76 end of lath fence 10.3R

+73 P. Pole PA 3076 7.3R

+58.3 12.0 Lt garage door

+55.3 end of slab 11.1R



+54.6

+43.7

+36 10.4R end of bd fence & beg lath fence

4+24 E edge of apron & garage

207.47

L C R

203.55
3.92
12
garage floor

207.9
4.6
10

207.3
5.7

207.9
4.6
10

203.50
3.97
11.1

203.41
4.06
20.6

203.23
4.24
12.0

203.6
3.9
10

203.4
4.1

203.8
3.7
10

10.3
fence

203.89
3.58
5.84
11.1
conc Slab

205.07
2.40
15.3
floor

204.94
2.53
12.0
apron

204.8
2.7
10

204.8
2.7

205.3
2.2
10

207.47

Sta.	+	H.I.	−	Elev.	
T.P.	1.14	195.88	12.73	194.74	
Set. ~~T.P.~~ B.M. hub at	4+95.28	P.O.T.	7.81	199.66	2x2 Hub
5+00	10 Lt	beg fence	Picket		85
4+95	This is as far as paving should go.				
+87.5	15.7 Lt	℄ sing garage	conc floor		
4+84		℄ dbl gar	dirt floor		
		207.47			

L		℄	R	
		195.88		
side shot		~~7.81~~	Elev 199.66	
199.8 7.7/10		199.0 8.5	198.8 8.7/10	198.5 9.0/15
201.4 6.1/15	200.4 7.1/10	200.00 7.5	199.1 8.4/10	198.8 8.7/20
201.84 5.65/15.7	200.9 6.6/10	200.0 7.5	199.2 8.3/10	
	200.8 6.7/10	200.2 7.3	199.2 8.3/10.2	
		207.47		

6+20	bottom canyon	
6+05		
+92		
+80		
+65	Pole PA 3096	5.6 Rt
+60		
	Q Levels	
+50	For drain	
	of alley	
+42		
+30		
5+25		

195.88

165.9	
30.0	
168.9	
27.0	
177.9	
18.0	
181.2	
14.7	
184.1	
11.8	
185.5	
10.4	
188.6	
7.3	
189.2	
6.7	
191.9	
4.0	

195.88

check to starting BM. S.W. B.P. 30th & C			4.73	194.97	194.96 / 0.01	
T.P.	4.30	199.70	13.02	195.40		
T.P.	0.87	208.42	11.71	207.55	Rock in	Con. Pav. Talley at 0+00 207.54 = Pav. P.3
T.P.	8.61	219.26	0.22	210.65		
B.M. P.O.T. 4+95.08	11.21	210.87		199.66		
			1.91	206.95	206.74 / .21	N.W. B.P. 31st & B.
BM Hub P.O.T. 4+95.08	9.20	208.86		199.66		See p 12

140' Sewer Const.

In alley Blk 13 Swans

Moore
Begg
Sherman
D. Sisson

4-18-49.

N.W. BP Maple Fairmont	10.57	290.74	280.17	
				W.O. 25001
0+00 = D.E.	108.5 S. of Maple		278.86 11.88 11.38 C 0.50 Top Pipe	
+35			279.12 11.62 7.11 C 4.51	
+70			279.36 11.38 7.51 C 3.87	
1+05			279.61 11.13 8.18 C 2.95	
1+40			279.85 10.89 9.10 C 1.79	

INDEXED
WK
APR 19 1949

Notes for Private Sewer
in Lot 24 Ex. Mission Lands

Moore
Begg
Stenm
O. Sisson

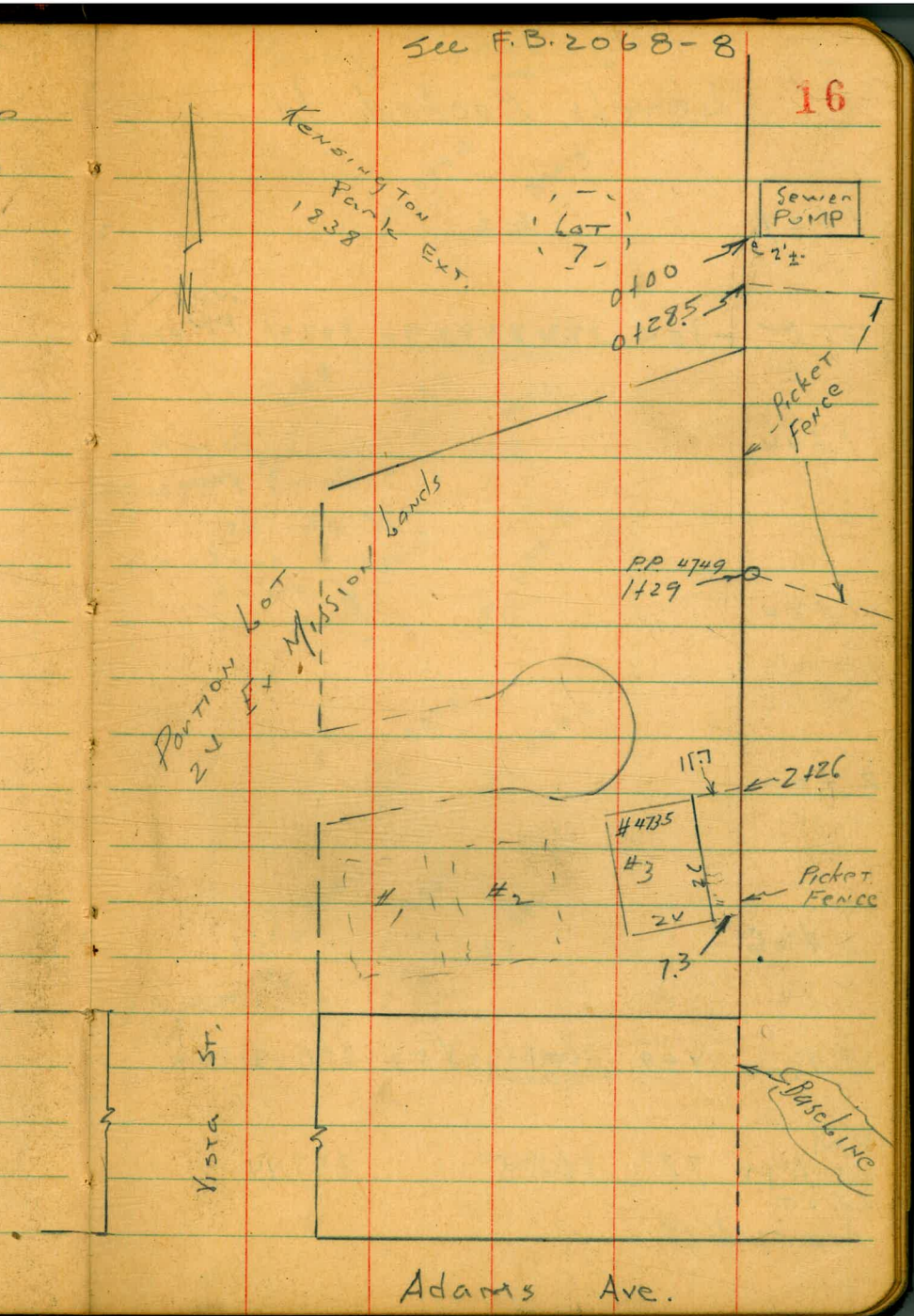
W.O. 80154

INDEXED
WK
APR 29 1949

No one home
at 1-2 or 3

See F.B. 2068-8

16



Levels Backed In

Lt. = Wly — Baseline

Sta.	B.S.	H.I.	F.S.	Elev.		Lt.			Baseline
1+29							343.4 / 1.5 / 4		342.6 / 2.3
T.P.	-3.04	344.87	12.90	347.91	Nail P.P. 4749				344.87
1+44					Dense patch Berry vines →	348.5 / 12.3 / 18	348.3 / 12.5 / 4		347.6 / 13.2
					Might be near outlet of Tank				
1+80							351.4 / 9.4 / 4		356.3 / 9.5
2+00							351.2 / 7.6 / 4		353.1 / 7.7
2+25						358.16 / 2.65 / 11.7	355.1 / 5.7 / 4		355.1 / 5.7
T.P.	4.09	360.81	8.53	356.72	Floor Elev. #4735				360.81
B.M. SE. 6' PT. Ld. C.T.	7.81	365.25		357.44					

Adams & Biona

Cont'd P19

0+18

0+22

T.P. 1.50 310.24 11.85 308.7x

0+28.5

0+56

T.P. 0.10 320.59 12.31 320.x9

0+79

T.P. 0.78 332.80 12.85 332.02

1+02

3x4.87

Lt 303.3 303.0 Bl 301.6

6.9 7.7 8.6

x /

301.2 301.5

9.0 8.7

x

310.24

301.6 302.8

19.0 17.8

x

311.2 311.5

9.x 9.1

x

320.59

320.9 321.3

11.9 11.5

x

332.80

331.3 331.9

13.C 13.0

x

3xx.37

Station		Lt	B.L.		
				Invert 8" C.I. from N 307.7	
				H.W (est.) 304.5 L.W (est) 303.75	
0+00 at Pump		303.6 6.6 / 4	303.7 6.5	308.7 1.5 / 2 Top of Wall	
0+08		304.0 6.2 / 4	303.2 7.0		
0+10		303.3 6.9 / 4	303.3 6.9		
	310.24		310.24 / 2		

Survey Lots 22 & 23 Block 30
Loma Alta #2

6-29-49
Roberts
Greer
Gregory
#
W.O. 21001

TP678 Map 1082

INDEXED
WK
JUN 30 1949

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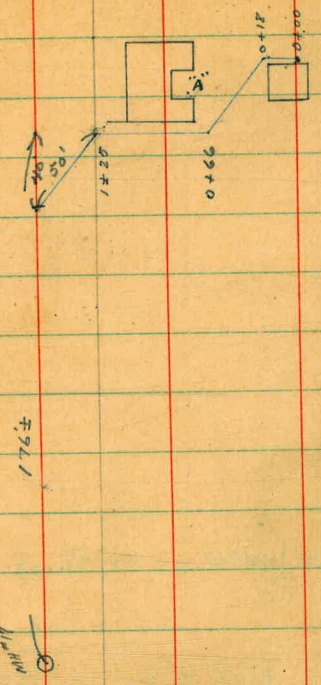
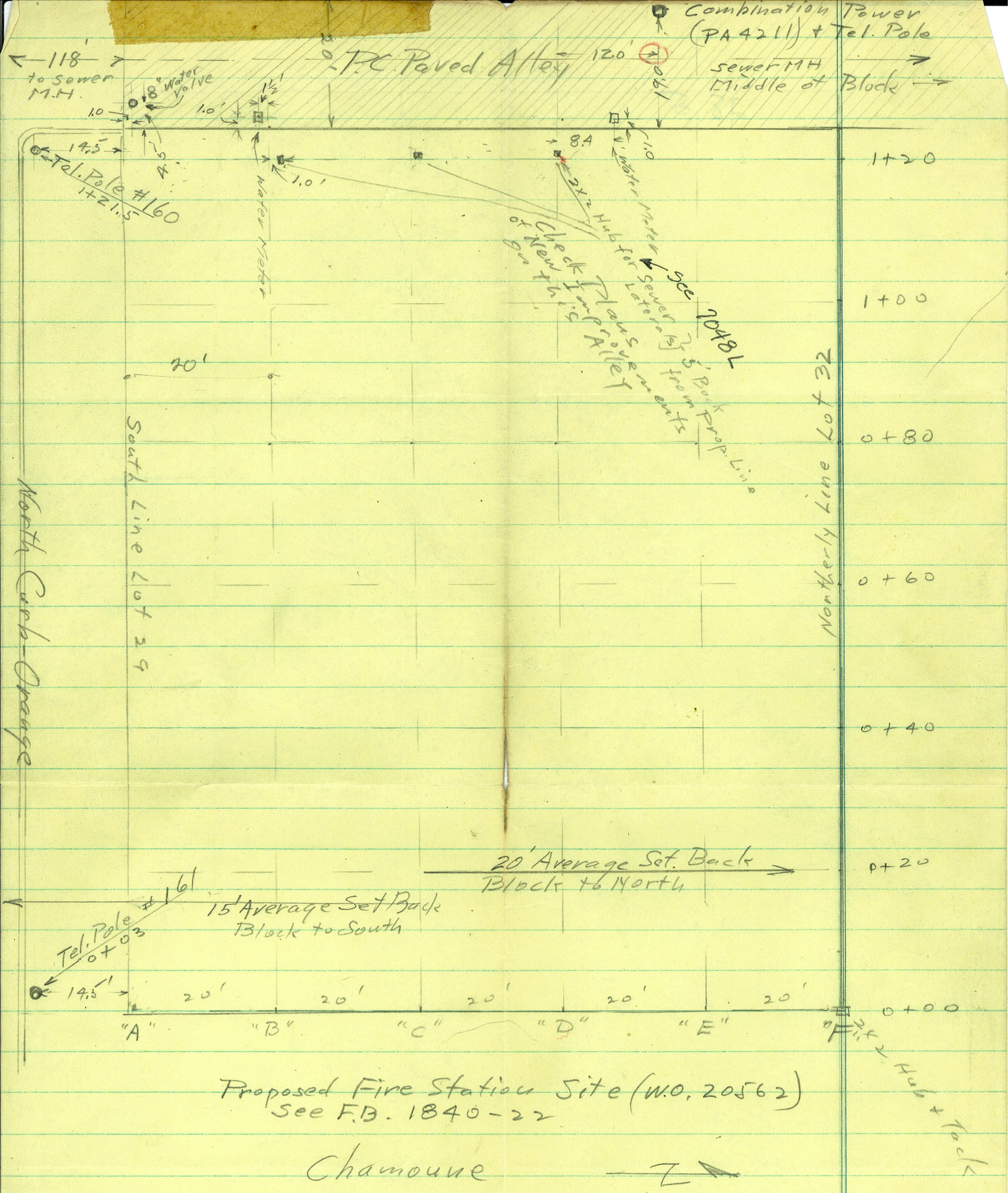


Cont'd From Page 20

136'± So. of MH17	or 40'± No. of Sewer		at P.L.	F.L.	Elev. = 46.19' ✓ This takes 50'± Lot. P.L. to Sewer
					at 1/4" per ft. fall = 1.0'± or 46.27 Elev.
					actual 46.19'
					0.08'
1±25	With 1/8" per ft. fall		47.26 ✓	at P.L.	
0+00		5.33	48.57	F.L. 4"	Sewer
TP	1.47	53.90	3.44	52.43	
Shot on "A"		5.72	50.15	F.L. 4"	Sewer
TP	3.15	55.87	0.06	52.72	
BM	10.78	52.78		42.00	F.L. MH #17



Proposed Fire Station Site (W.O. 20562)
See F.B. 1840-22

Chamoune

Average Set Back East Side
Chamoune - Blk to South
15'

Average Set Back 18'
to North on
East Side

McCoy.

8/11/49
McCoy
Allen
Rorer

20' Grid sections on lots 29 to 32 - Blk 3 EASTGATE for Fire Station at Orange and Chamouna

W.O. 205.62

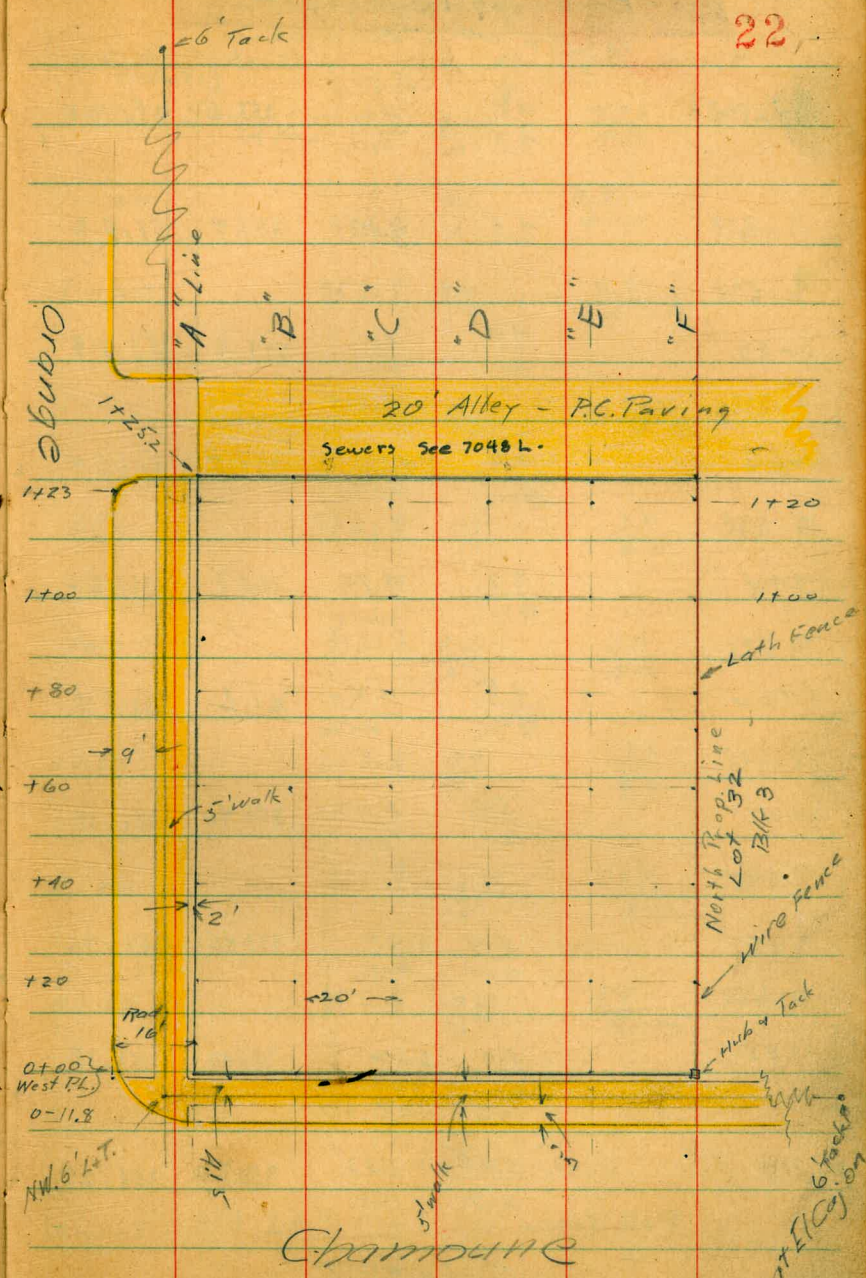
North Curb Line on Orange → (356.40)

				350.90
1+23		5.5 Gut	4.71 Cb BC Alley	351.69
1+00		5.7 Gut	4.79 Cb	350.70 351.61
0+80		5.7 Gut	4.88 Cb	350.70 351.52
+60		5.7 Gut	4.99 Cb.	350.70 351.41
+40		5.9 Gut	5.06 Cb.	350.50 351.34
0+20		5.9 Gut	5.20 Cb.	350.50 351.20
0+04		5.9 Gut	5.29 Cb. EC.	350.50 351.11
0+00		6.06 Pav.	5.32 Cb.	350.34 351.08
N.W.-BP. 45 ft + Orange	384	356.40		352.56

(Cont Next Page)

INDEXED
W. K.
AUG 12 1949

22.



Back edge Walk North Side of Orange (Sketch Pg 22)

(356.40)

1+25.2	4.8 Gut.	4.45 curb	351.6	351.95
1+00	4.5	4.58	351.9	351.82
0+80	4.6 Gr.	466 walk	351.8	351.74
+60	4.7 Gr.	476 walk	351.7	351.64
+40	4.7 Gr.	4.74 walk	351.7	351.66
0+20	4.8 Gr.	4.86 walk	351.6	351.54
0+04	5.0 Gr.	5.02 walk	351.40	351.38
0+00	5.0 Gr.	5.04 walk	351.40	351.36
0-1.85	5.0 Gr	5.02 Back walk	351.40	351.38
0-11.8	5.68 Gut	5.13 Cb.	350.72	351.27

(356.40)

North Prop. Line ℄ = "A" Orange

23

			"A" (356.40)	Right
		3.51.76	↓	↓
1+25.2	E. Edge Conc. Alley	4.64 "A"	4.43 4'Rt	351.97
1+24	352.3	4.1 "A"	3.3 4'Rt	353.1
1+20	352.5	3.9 "A"	3.1 4'Rt.	353.3
1+00	352.4	4.0 "A"	3.2 4'Rt.	353.2
+80	352.3	4.1 "A"	3.4 4'Rt.	353.0
+60	352.2	4.2 "A"	3.4 4'Rt.	353.0
0+40	352.0	4.4 "A"	3.7 4'Rt	352.7
0+20	351.9	4.5 "A"	3.7 4'Rt.	352.7
0+00	351.6	4.8 "A"	4.4 4'Rt.	352.0
0-1.85	351.42	4.98 Back of Walk on Chamoune		
0-11.8	351.24	5.20 Curb E.C. on Chamoune	5.71 Gut	350.69

(356.40)

(cont. Next Page)

"B" Line

(Sketch pg. 22)

			(356.40)
1+25.2	Edge Concrete Alley	3.74	352.66
1+24		2.8	353.6
+20		2.7	353.7
1+00		3.1	353.3
+80		3.2	353.2
+60		3.1	353.3
+40		3.5	352.9
+20		3.7	352.7
0+04		3.7	352.7
0+00		4.3	352.1
0−1.85	Back Walk	4.82 Back Walk	351.58
0−11.8	West Ch. Line Chamoune	5.65 Gut → 350.75 / 5.06 Clo	→ 351.36

(356.40)

"C" Line

(356.40)

			356.40
			24
1+25.2	Concrete	3.26	353.14
1+24		2.5	353.9
+20		2.6	353.8
1+00		3.1	353.3
+80		3.2	353.2
+60		3.2	353.2
+40		3.3	353.1
+20		3.3	353.1
+04		3.5	352.9
0+00		4.4	352.0
0−1.85	Back walk	4.73	351.67
0−11.8	Curb Line	4.92 Curb / 351.48 / 5.55 Gut.	350.85

(356.40)

(cont. Next page

		"D" Line	(Sketch pg. 22)			"E" Line	
1+25.2	Paving Edge	2.86		356.40			356.40
			→	353.54	1+25.2 Paving Edge	2.72 →	353.68
1+24		2.6		353.8	+24	2.5	353.9
1+20		2.7		353.7	+20	2.8	353.6
1+00		3.0		353.4	1+00	2.8	353.6
+80		3.0		353.4	+80	3.0	353.4
+60		3.1		353.3	+60	3.1	353.3
+40		3.1		353.3	+40	3.2	353.2
+20		3.1		353.3	+20	3.0	353.4
+04		3.3		353.1	+04	3.0	353.4
0+00		4.0		352.4	0+00 P.L.	3.7	352.7
0-1.85	Back Walk	4.57 Walk		351.83	0-1.85 Back of walk	4.44	351.96
0-11.8	Curb Line	5.31 Gut	351.09 4.74 Curb	351.66	0-11.8 Curb Line	4.67 Curb	351.73 351.11
						5.29 Gut.	

(356.40) (356.40)

(cont. Next page

"F" Line = North Prop Line Lot

1+25.2	Edge Paving Alley		2.5		356.4 353.85				
+24			2.4		354.0				
+20			2.5		353.9				
1+00			2.5		353.9				
+80			2.8		353.6				
+66	End Wire Fence Begin Lath "								
+60			2.8		353.6				
+40			2.9		353.5				
0+20			2.8		353.6				
0+04			3.3		353.1				
0+00			3.8		352.6				
0-1.85	Back Walk		4.31 walk		352.09				
0-11.8	Curb Line		5.18 → 351.22 Gut.	4.52 curb	351.88	N.W.B.P. orange + 45 Ft. St.	356.40	3.84	352.56

(356.40)

Alley Blk. 3 - LaMesa Colony

11-18-49
W.O. # 31040

Sommermeyer
McCoy
Allen
Rorer

INDEXED
W.R.
NOV 22 1949
REDUCED 4-4-50-P.V.S.

■ = Fd. Mon.
□ = " Hub
• = " L+T.

■ = Set Hub + Disk
× = Cut Cross

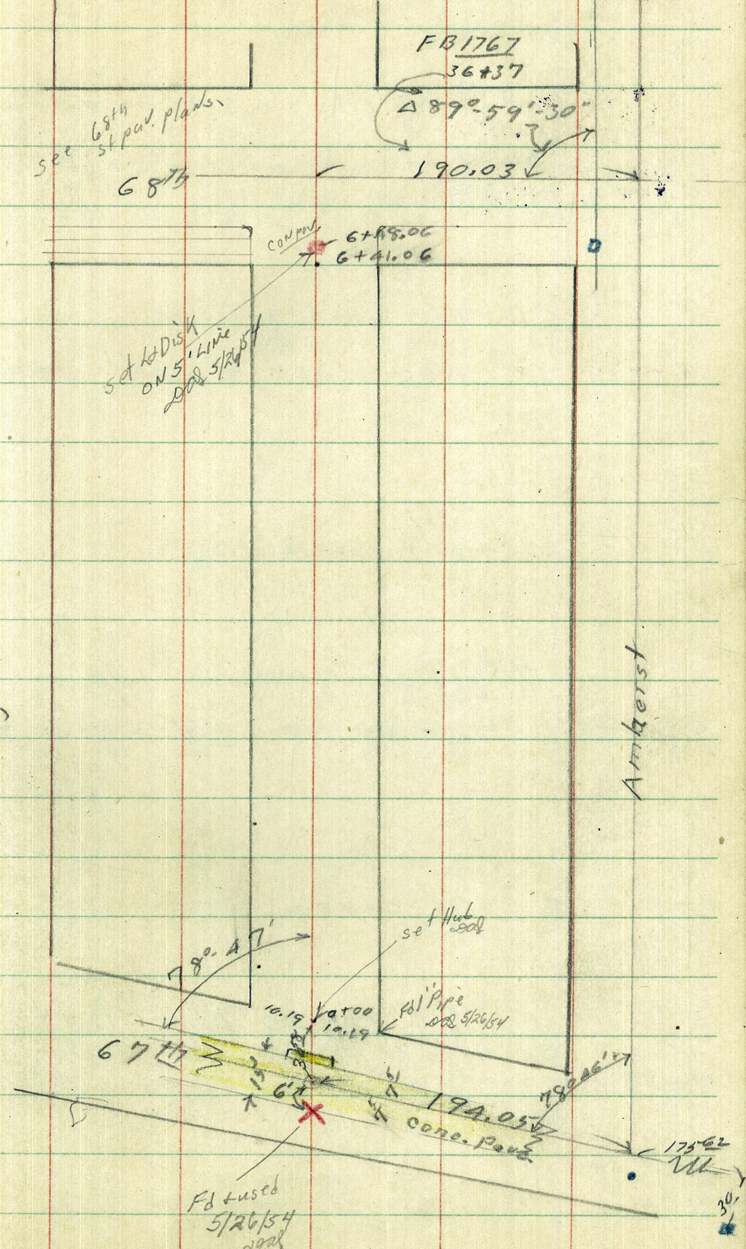
(W) = water meter box

Note.
This alley either has been filled or had a trench dug its entire length during the last year or two

General area drains south

Soil sample #1 taken 5' Lt. of 0+60 consists of average ground under Latest fill. (If a fill. It may be spoil from trench backfill)
Soil sample #2 taken 4' Rt of 1+80 consists of fairly new fill. (?
Fill runs from nothing to 1½' deep. Station 1+00 to Ely end of alley.

See note above



Alley Blk. 3. La Mesa Colony
& cont.

(10 Rt. on this line = 10± Rt. on 0-02 at 90°) see P. 27

0+00 = section along Ely. line (Δ 78°-47' Lt.)
Ely. line of 67th

Crude rock & Conc.
(at 90° to ℄)
0-02 10± Rt.: start 9' wide E+W. wall

0-20± = End pavement.

4' Rt. / 5' Lt. = Δ in pave. edge
0-22± = Ely. edge main pavement strip.

0-30.58 = ± Exist pave.

(Δ 78°-47' Lt. - P. 27)
Sections Along line of Pave.
0-38 = W'ly. edge Conc. Pave.

S.W.B.P. 67th
+El Cajon 2.11 455.81 — 453.70

℄

5.3/25 6.0/50

452.7 / 3.1/50 — 452.1 / 3.7/15 — 451.4 / 4.4/10± — 451.2 / 4.6/8 — 450.8 / 5.0 — 450.9 / 4.9/5 — 451.2 / 4.6/10± — (see below) wall/10±

451.2 / 4.6/10± End — 450.7 / 5.1/10± Base wall — 451.1 / 4.1/10± top wall

451.31 / 4.50/5 — 451.23 / 4.58 — 451.16 / 4.6.6/4

452.83 / 2.98/100 — 452.11 / 3.70/50 — 451.49 / 4.32/10± — 451.39 / 4.42/5 — 451.31 / 4.5-0 — 451.25 / 4.56/4 — 451.16 / 4.65/10± — 450.01 / 5.80/50 — 448.34 / 7.47/100

453.01 / 2.80/100 — 452.32 / 3.49/50 — 451.72 / 4.09/10± — 451.51 / 4.30 — 451.31 / 4.50/10± — 450.26 / 5.55/50 — 448.52 / 7.29/100

452.81 / 3.00/100 — 452.08 / 3.73/50 — 451.49 / 4.32/10± — 451.33 / 4.48 — 451.05 / 4.76/10± — 450.02 / 5.79/50 — 448.29 / 7.52/100

455.81

0+60

0+57.5 — 11.2' Lt. also: start 8" wide conc. wall.
11.2' Rt. at start. board + wire fence.
11.2' Rt. = N. E. Cor. Gar.

0+40± — 10± Rt. = End crude conc. wall.

0+40 — 11.5 Rt. = N. W. Cor. Sing. Gar.
west front.

0+30 — 10' Rt. = N. Face wall
9.4 Rt. = So. Edge = Pole. JP. 78381

0+26 — 8.5 Rt. = (W)

0+07 — 8.8 Rt. = Ctr. deadman

0+01.98 — 90° to N. Prop. Cor.

455.81

452.9	452.4	451.1	451.0	451.0	451.6	450.9	450.5
2.9 / 40	3.4 / 10	4.7 / 6	4.8	4.8 / 10	4.2 / 11.4 Top wall	4.9 / 12 Grd	5.3 / 25 Falls so.

451.0	450.5	451.5
4.8 / 11± Grd	5.3 / 11± Base wall	4.3 / 11± Top wall

452.2	451.0	451.0	451.1	450.6	451.3	451.3
3.6 / 10	4.8 / 7	4.8	4.7 / 10	5.2 / 10± Base wall	4.5 / 10± Top wall	4.5 / 11± at. Gar.

450.6	450.40
5.2 / 17± Grd.	5.41 / 17± Conc. Floor

452.7	452.2	450.8	450.8	450.9	451.2	450.2	450.3
3.1 / 50	3.6 / 10	5.0 / 6	5.0	4.9 / 6	4.6 / 10	5.6 / 11	5.5 / 25 Low spot

451.4	451.2	450.8	450.8	451.0	450.6	450.6
4.4 / 10	4.6 / 8	5.0	5.0 / 5	4.8 / 10	5.2 / 15	5.2 / 25

455.81

9.5 Lt. = start board Fence
1+30.1 10.6 Rt. = start picket Fence

10.9 Rt. = End Conc. wall + Picket Fence.
~~10.6 Rt. = start Picket Fence~~
1+30.9.5 Lt. = End board garage + Shed

1+20 - 9.6 Rt. = So. side Pole # P.- 78382

1+14.5 { 9.5 Lt. = S.W. Cor. } west front. garage. Dirt floor. } = old board shed +

1+05 - 9' Rt. = (W)

→ Cont.

{ = start. 6" wide Conc. wall.
11.1 Rt. { = End garage
1+03 10.5 Rt. = start picket fence

0+96 = 7.5 Lt. = (W)

garage. Could not get at 0+81.5

0+82 11.1 Rt. = Foundation under

South front.
11.1 Rt = N.W. Cor. double gar.
0+81.5 - 10.7 Rt. = End conc. wall + Fence.

455.81

&

451.9/		451.9/	451.9/	450.5/	451.1/	451.3/	450.1/	
3.9	3.9	3.9	5.3	4.2	4.5	5.1		
10		10	10.9 Base wall	10.9 Top wall	12 Ord	30		

451.1/	450.9/	451.6/	451.5/	451.5/				
4.7	4.9	4.2	4.3	4.3				
2.3 z door	10	9.5		10				

				450.1/	451.5/	450.5/	449.8/	
				5.7	4.3	5.3	6.0	
				11.1 Base wall	11.1 Top wall	12 Ord	50 Drains South	

451.2/	450.8/	451.4/	451.4/	451.4/	451.4/	450.2/		
4.6	5.0	4.4	4.4	4.4	4.4	5.6		
30	10	5		10	11.1 Ord	11.1 Base Foundation		

					449.9/	451.3/		
					5.9	4.5		
					Base Footing 11.1	11.1 top Foundation		

451.3/	450.9/	451.1/	451.2/	450.2/	451.1/	450.9/		
4.5	4.9	4.7	4.6	5.6	4.1	4.9		
40	10		10	10.7 Base wall	10.7 top cour	12 Ord.		

455.81

3 +00

2+80 11^{3} Rt. = End picket fence

2+50

2+30 { 11^{1} Rt. = start picket fence
{ 11^{3} Rt. = End board fence

2+11 11^{8} Lt. = S.E. Cor. house

2+00
1+97 - 8^{5} Lt. = (W)
1+91 - 12^{2} Lt. = S.W. Cor. house

board fence
1+85 9^{8} Lt. = End packing case

{ 11^{2} Rt. = start board fence.
{ 10^{5} Rt. = End Picket fence
1+79^{5} { 9^{8} Rt. = So. side pole # J.P. 78383

1+63 - 8^{5} Lt. = (W)

1+60
1+59 - 8' Rt. = (W)
T.P. 6.75 459.06 3.50 452.31
{ = start Packing box fence
1+50^{5} 9^{5} Lt. { = End board fen. + shed

garage. North front. Dirt floor.

1+34 { $9^{5}5$ Lt. = start old board shed +
{ 9^{5} Lt. = End board fence

455.81

℄

454^{3} $\frac{4.8}{30}$	454^{3} $\frac{4.8}{10}$	454^{0} 5.1	453^{9} $\frac{5.2}{10}$	452^{8} $\frac{6.3}{15}$	452^{8} $\frac{6.3}{50}$	451^{7} $\frac{7.4}{100}$
455^{3} $\frac{3.8}{30}$	454^{4} $\frac{4.7}{10}$	454^{1} 5.0	454^{0} $\frac{5.1}{10}$	453^{1} $\frac{6.0}{50}$		
453^{6} $\frac{5.5}{119}$	453^{6} $\frac{5.5}{10}$	453^{6} 5.5	453^{5} $\frac{5.6}{10}$	452^{0} $\frac{7.1}{50}$		
453^{2} $\frac{5.9}{30}$	452^{9} $\frac{6.2}{10}$	452^{7} 6.4	452^{7} $\frac{6.4}{10}$	452^{0} $\frac{7.1}{30}$		

459.06

Drains South

+31 . 9[7] Rt. = Pole # J.P. 78494

4+13 - 10[9] Lt. = (W)

4+12 12[2] Lt. = End Stucco Bldg

4+06 12[2] Lt. = ℄ 9' wide sliding door

3+87 12[2] Lt. = ℄ 9' wide door.

+82 - 12[2] Lt. = start stucco Bldg

3+81 = 12' Lt. = ℄ ditch to north.

+80 12' Lt. = end frame Bldg.

3+55 12' Lt. = ℄ 2[E] wide door.

3+37 . 12[0] Lt. = start frame Bldg.

+33 9[E] Lt. = (W)

+32 9[4] Rt. = So. edge pole # J.P. 78493

3+30 11[-] Rt. = start picket fence

453[6/]	453[6/]	452[8/]	452[8/]	452[1/]	451[9/]
5.5 / 40	6.1 / 10	6.3	6.3 / 10	7.0 / 35	7.2 / 110

453.66	453.46
5.40 / 12[=] Conc. Floor.	5.60 / 12 Bottom of door

453.84	453.56
5.22 / 12[=] Conc. floor	5.50 / 12 Bottom sliding door

453[2/]	453[0/]	453[0/]	452[8/]	452[7/]
5.9 / 42 ℄ ditch	6.1 / 12 ℄ ditch	6.1 / 10	6.3	6.4 / 10

453.28	453[3/]	453[2/]	453[1/]	452[4/]	451[9/]
5.28 / 12 conc. floor. at door.	5.8 / 10	5.9	6.0 / 10	6.7 / 15	7.2 / 50

453[4/]	454[1/]	453[9/]	453[8/]
5.7 / 50	5.0 / 10	5.2	5.3 / 10

Drains (?) South.

459.06

(used as car port.)

5+17 10² Rt. = start Conc. drive (To south)

5+13 - 10² Rt. = ℄ 18" N.+S. Conc. walk

Base of wall on grd. 0.3 above alley. Stucco Bldg. (2 Floors)

5+00 10' Lt. = End wall + start of

4+92 - 10² Lt. = start. conc. block wall

as it is to come out.
owner says to ignore drive
~~10⁶ Lt. Also - Wly line N.+S. conc. drive~~

4+66⅝ 10⅝ Lt. = End Conc. slab.

10⁸ Lt. = End house

4+54 10⁶ Lt. = start. Conc. slab.

+48⁸
+43⅝
+40⅛ } 10³ Lt. = ctr. upright C.I. (2" sewer vents)

4+35 - 10⁹ Lt. = start house.

℄

453.39 — 5.67 — 10² Drive

453.50 — 5.56 — 32 So. End Dr.

453.3/1 — 5.18 — 10 Grd

453.06 — 6.00 — 10² walk

453.16 — 5.90 — 25 on walk

454.7 — 4.4 — 10¹ Top wall

453.9/1 — 5.2 — 10¹ Base wall

453.6/1 — 5.5 — 10

453.4/1 — 5.7

453.3/1 — 5.8 — 10

452.7/1 — 6.4 — 15

454.6/1 — 4.5 — 10² Top wall

453.8/1 — 5.3 — 10² Grd. + base wall

~~5.59~~ — ~~10⁶~~ — Conc. Dr.

453.83/1 — 5.23 — 10⁵ Slab.

453.80 — 5.18 — 10⁵ Conc.

453.2/1 — 5.9 — 10

452.8/1 — 6.3

452.9/1 — 6.2 — 10

452.6/1 — 6.5 — 15

459.06

6+00

10± Rt. = N.W. Cor. Frame Gar. East Front. ← gone now 5/26/54 dal

+99 10± Rt. = End Fence

+93 - 8' Rt. = (W)

5+82 - 15± Lt. = End garage + Apt. Bldg.

5+72 = 10³ Lt. = End Conc. Apron + Garages

Also = ℄ 4 Car. garage

5+54 10² Lt. = line of Apron.

15⁴ Lt. = Gar. floor
4 car garage + Apt.
10± Lt. = start Conc. Apron to
5+35 10' Rt. = line of fence

5+30 9² Rt. = So. edge pole # J.P. 78616

T.P. 6.29 459.73 5.62 453.44

5+27 - 10² Rt. = End Conc. Dr. to So.

5+26⁶ - 10² Lt. = End stucco Bldg.

℄

455.1 4.6/30	454.6 5.1/10	454.3 5.4	454.4 5.3/10		
454.66 5.07/15³ Gar. Floor	454.39 5.34/10³ Apron	454.3 5.4/10	454.0 5.7	453.7 6.0/10	453.5 6.2/15 Drains south.
454.65 5.08/15⁴ Gar. Floor	454.22 5.51/10³ Apron				
454.64 5.09/15⁴ Gar. Floor	453.94 5.79/10² Apron	453.6 6.1/10	453.3 6.4	453.4 6.3/10	452.4 7.3/50

459.73

453.51 5.55/10² Drive

459.06

orig B.M. P.28			5.97	+ 0.03 353.73	(353.70)
T.P.	3.53	459.70	5.69	456.17	
S.W. B.P. 68th & El Cajon	4.50	461.86	2.37	457.36	(457.40)

6+71.06 = ℄ 68th

6+56

6+48 9.5 Rt. = Pole # J.P. 76261

6+41.06 = Wly. line 68th

gone now 5/26/54

6+17 11.0 Rt. = N.E. Cor. east front frame garage

+15 12.0 Lt. = gas regulator

6+12 13.1 Lt. = start 2 story Apt. - East front stucco

℄

455.6	455.2	454.2	454.6	454.3	453.7	452.7
4.1 / 100	4.5 / 50	5.0 / 10	5.1	5.4 / 10	6.0 / 50	7.0 / 100

454.2	454.1	454.1
5.5 / 10	5.6	5.6 / 10

455.3	454.6	454.4	454.5	454.5
4.4 / 25	5.1 / 10	5.3	5.2 / 10	5.2 / 25

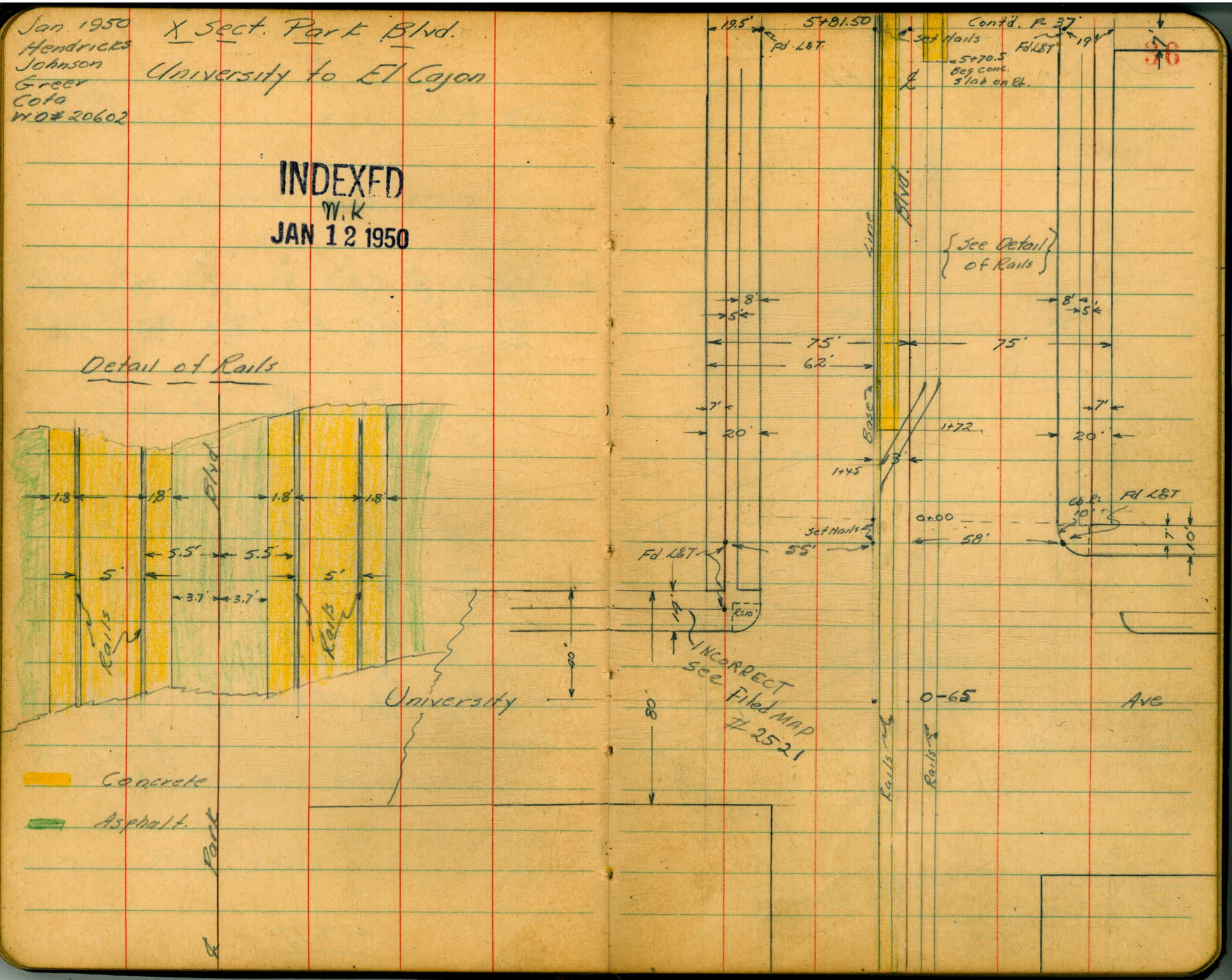
455.1	454.8	454.5	454.5	454.49	454.1
4.6 / 13	4.9 / 10	5.2	5.2 / 10	5.24 / 15.5 ℄ door Conc. floor	5.6 / 50

459.73

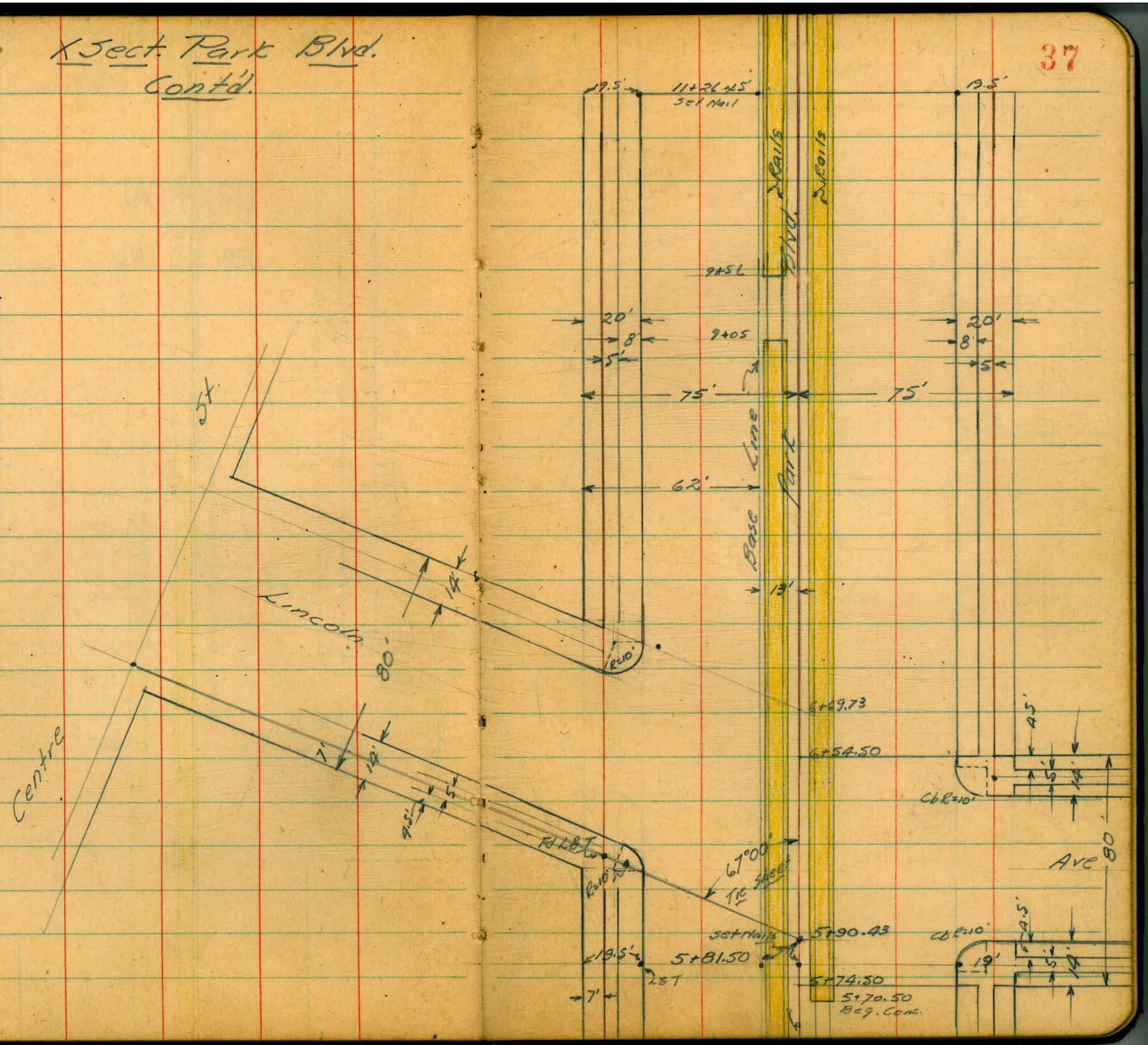
Jan. 1950
Hendricks
Johnson
Greer
Cota
W.O.# 20602

X Sect. Park Blvd.
University to El Cajon

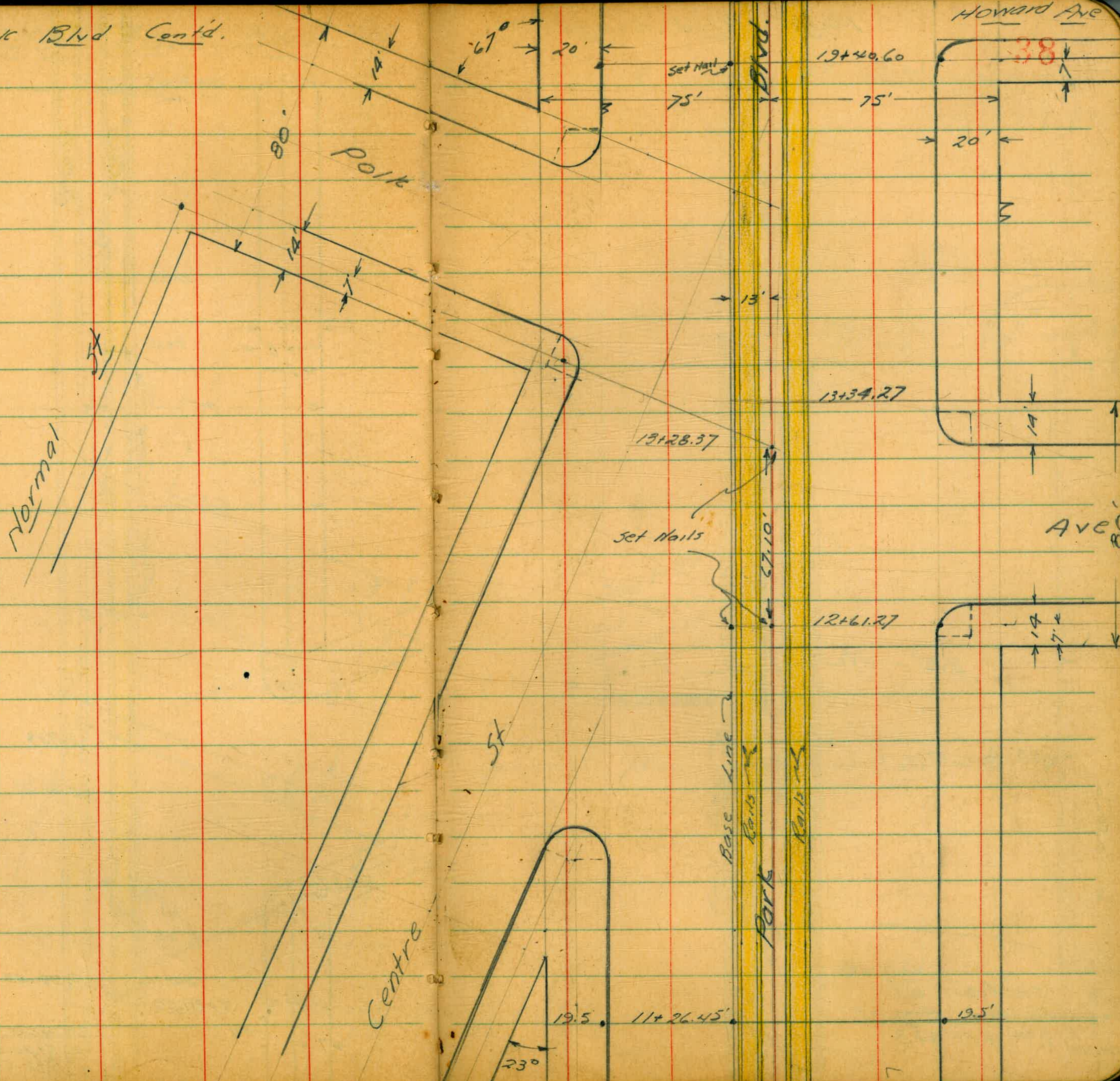
INDEXED
W.K
JAN 12 1950



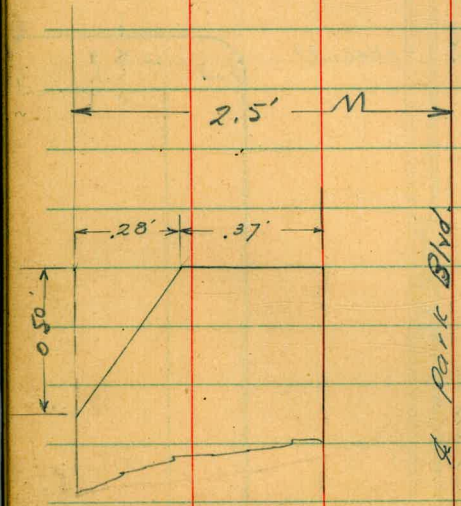
X Sect. Park Blvd. Cont'd.



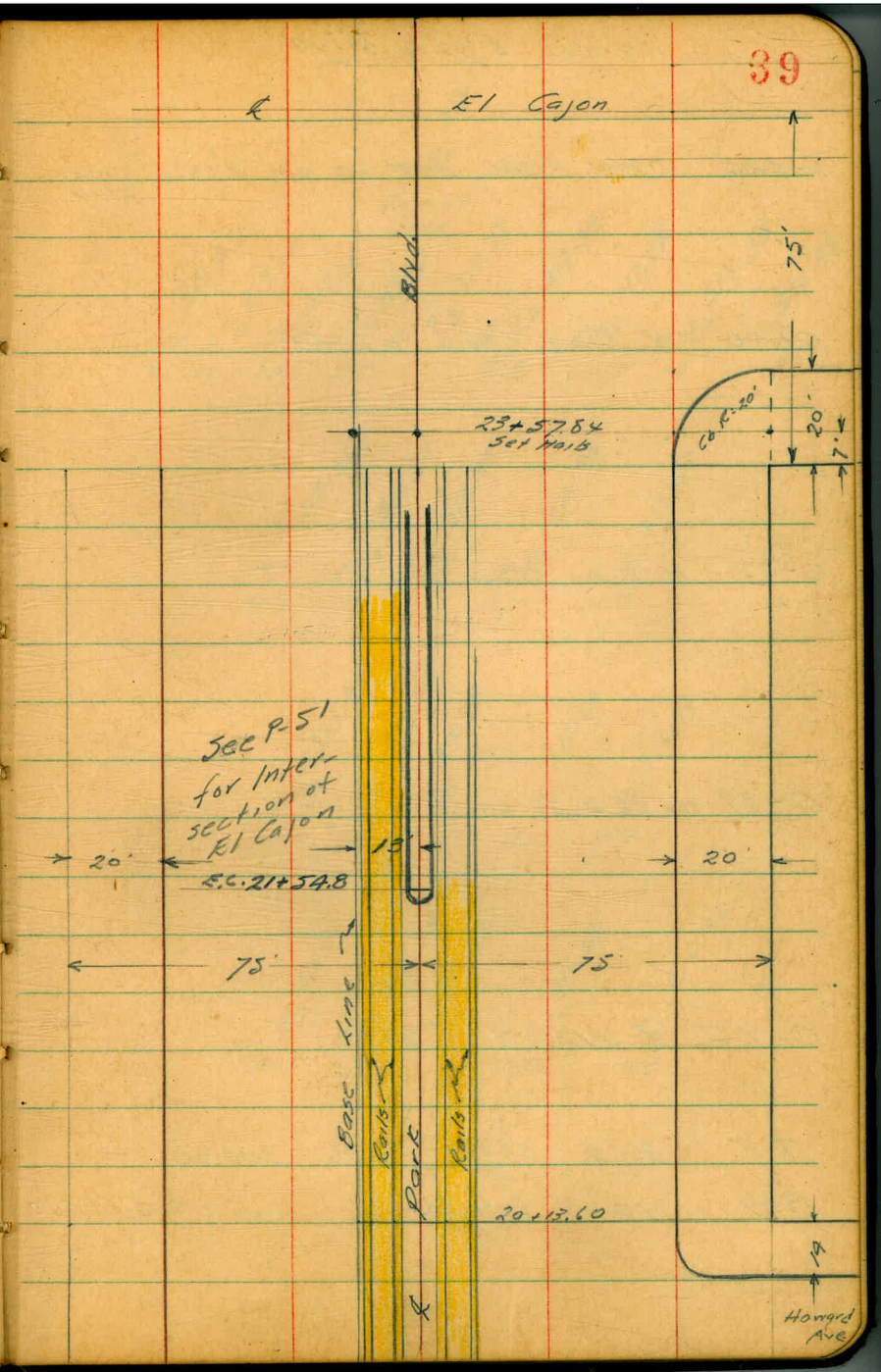
Park Blvd Cont'd.



Park Blvd Contd



Section of Island Begin at Sta. 21+52.3



Levels Park Blvd

0+02.5 Signal Light setting on 3'x4.5' Conc. Slab.					
0+00 N Line Unix. on Lt.					
0-25 N Line Unix. on Lt.					
0-39 No. Cb Line Unix					
0-65 ℄ Unix.					
T.P.	8.60	322.90	0.36	314.30	
B.M.	10.78	314.66			303.88

℄ 318.30

+60 Top of Slab.

316.83	317.18	317.18	317.16	317.27	317.32	317.25	317.33	316.98
6.07	5.72	5.42	5.24	5	6.13	5.58	5.65	5.57	5.92
30	12.5	10.5	5.5		5.5	10.5	13	40	

315.86	316.77	316.99	316.93	316.70
7.04	6.13	5.91	5.97	6.20
40	20		20	40

315.97	316.58	316.78	316.68	316.70
6.98	6.32	6.12	6.22	6.20
40	20		20	40

316.01	316.24	316.63	316.65	316.66
6.89	6.56	6.27	6.25	6.24
40	20		20	40

322.90

NWBP Centre ℄ Unix.

Park Blvd. Cont'd.

2+00

1+72 Beg. Conc. Slab Lt. Rail

1+50

1+30.5 Power Pole on ℄

1+00

0+50

0+19.5 Power Pole on ℄

322 90

320.64	321.30	321.35	321.58	321.64	321.70	321.74	321.71	
2.26	1.60	1.55	1.32	1.26	1.20	1.16	1.19	
30	12.3	3.7		5.5	10.5	13	30	
320.02	320.62	320.65	320.76	320.93	320.95	321.01	321.07	
2.88	2.28	2.25	2.14	1.97	1.95	1.89	1.83	
30	12.3	3.7		5.5	10.5	13	30	
319.61	320.09	320.10	320.09	320.44	320.42	320.46	320.53	320.52
3.29	2.81	2.80	2.81	2.46	2.48	2.44	2.37	2.38
30	13	10.5	5.5		5.5	10.5	13	30
318.72	319.11	319.07	319.08	319.40	319.31	319.32	319.35	319.40
4.18	3.79	3.83	3.82	3.50	3.59	3.58	3.55	3.50
30	13	10.5	5.5		5.5	10.5	13	30
317.79	318.20	318.16	318.17	318.47	318.20	318.17	318.36	318.25
5.11	4.70	4.74	4.73	4.43	4.70	4.73	4.54	4.65
30	13	10.5	5.5		5.5	10.5	13	30

322 90

Park Blvd. Contd

4+50

4+00

3+52 Power Pole on ℄

3+50

3+00

T.P. 11.32 334.14 0.08 322.82

2+50

2+41.5 Power Pole on ℄

322.90

326.90 327.63 327.79 327.85 327.82 327.83 327.90 327.94

7.24 6.51 6.45 6.29 6.32 6.31 6.24 6.20

30 12.3 3.7 5.5 5.5 13 30

325.59 326.39 326.40 326.53 326.59 326.61 326.65 326.63

8.55 7.75 7.74 7.61 7.55 7.53 7.49 7.51

30 12.3 3.7 5.5 10.5 13 30

324.35 325.10 325.09 325.21 325.34 325.33 325.37 325.35

9.79 9.04 9.05 8.93 8.80 8.81 8.77 8.79

30 12.3 3.7 5.5 10.5 13 30

323.11 323.85 323.75 324.02 324.07 324.07 324.10 324.12

11.03 10.29 10.39 10.12 10.07 10.07 10.04 10.02

30 12.3 3.7 5.5 10.5 13 30

334.14

321.95 322.60 322.627 322.81 322.81 322.82 322.93 322.90

0.95 0.30 0.28 0.09 0.09 0.08 +0.03 0.00

30 12.3 3.7 5.5 10.5 13 30

322.90

Park Blvd. Cont'd

6+50

6+00

5+74.5 Power Pole on ℄

5+70.5 Beg Conc Slab Rt. Rails

5+50

5+00

4+64 Power Pole on ℄

334.4

	331.68	332.08	332.14	332.34	332.37	332.33	332.31
	346	206	200	180	177	181	183
30		12.3	3.7		3.7	12.3	30
	330.60	331.23	331.28	331.49	331.50	331.41	331.43
	354	291	286	265	254	273	271
30		12.3	3.7		3.7	12.3	30
	329.87	330.67	330.68	330.93	330.94	330.87	330.88
	427	347	346	321	320	327	326
30		12.3	3.7		3.7	12.3	30
	1329.36	330.20	330.27	330.32	330.41	330.37	330.41	330.40
	428	394	392	382	373	377	373	374
30		12.3	3.7		5.5	10.5	13	30
	328.13	328.91	328.89	329.03	329.07	329.04	329.12	329.16
	601	523	525	515	507	510	502	498
30		12.3	3.7		5.5	10.5	13	30

334.4

Park Blvd. Cont'd.

9+05 End Conc. 5106 Lt Rails)

335.23 335.54 335.58 335.67 335.59 335.57 335.28

7.31 7.00 6.96 6.87 6.95 6.97 7.26

30 12.3 3.7 3.7 12.3 30

8+50

334.46 334.91 334.92 334.98 334.97 334.96 334.78

8.08 7.63 7.62 7.56 7.57 7.58 7.26

30 12.3 3.7 3.7 12.3 30

8+00

333.81 334.26 334.29 334.43 334.34 334.34 334.18

8.23 8.28 8.25 8.11 8.20 8.20 8.36

30 12.3 3.7 3.7 12.3 30

7+93 Power Pole on ℄

7+50

333.03 333.62 333.69 333.84 333.73 333.74 333.68

9.51 8.92 8.85 8.70 8.81 8.80 8.86

30 12.3 3.7 3.7 12.3 30

T.P. 9.26 342.54 0.86 333.28

342.54

7+00

332.40 333.01 333.07 333.29 333.19 333.26 332.99

1.74 1.13 1.07 0.85 0.95 0.88 1.15

30 12.3 3.7 3.7 12.3 30

6+79 Power Pole on ℄

334.4

Park Blvd. Contd

		℄					
		338.59	338.70	338.67	338.66	338.46	338.45	338.65
11+50		3 95	3 84	3 87	3 88	4 08	4 09	4 49
		30	12.3	3.7		3.7	12.3	30
		337.99	338.07	338.02	338.09	337.90	337.90	337.54
11+37	Power Pole on ℄	4 55	4 47	4 52	4 45	4 64	4 64	5 00
11+00		30	12.3	3.7		3.7	12.3	30
		337.28	337.47	337.40	337.44	337.24	337.27	336.96
10+50		5 26	5 07	5 14	5 10	5 30	5 27	5 58
		30	12.3	3.7		3.7	12.3	30
		336.58	336.81	336.81	336.86	336.70	336.69	336.42
10+22.5	Power Pole on ℄	5 96	5 73	5 73	5 68	5 84	5 85	6 12
10+00		30	12.3	3.7		3.7	12.3	30
		336.03	336.23	336.26	336.33	336.20	336.20	335.86
9+56	Beg. Conc Slab Lt. Rails	6 51	6 31	6 28	6 21	6 34	6 34	6 68
9+08	Power Pole on ℄	30	12.3	3.7		3.7	12.3	30

3 42.54 / 1

3 42.54 / 1

Park Blvd Cont'd.

14+00				
13+76	Power Pole on ℄			
T.P.	6.70	347.34	1.90	340.64
13+50				
13+00				
12+51	Power Pole on ℄			
12+50				
12+00				

347.54

℄

341.06	341.09	341.08	341.06	340.82	340.78	340.34
6.28	6.25	6.26	6.28	6.52	6.56	7.00
30	12.3	3.7		3.7	12.3	30

340.69	340.60	340.57	340.53	340.27	340.31	339.94
1.85	1.94	1.97	2.01	2.27	2.23	2.60
30	12.3	3.7		3.7	12.3	30

340.28	340.09	340.08	340.04	339.85	339.85	339.64
2.26	2.45	2.46	2.50	2.69	2.69	2.90
30	12.3	3.7		3.7	12.3	30

339.69	339.61	339.61	339.48	339.36	339.38	338.99
2.85	2.93	2.93	3.06	3.18	3.16	3.55
30	12.3	3.7		3.7	12.3	30

339.14	339.15	339.13	339.04	338.90	338.93	338.50
3.40	3.39	3.41	3.50	3.64	3.61	4.04
30	12.3	3.7		3.7	12.3	30

℄

347.54

Park Blvd. Cont'd.

16+50		341.96	342.18	342.17	342.18	342.03	342.00	341.57
		5.38	5.16	5.17	5.16	5.31	5.34	5.77
		30	12.3	3.7		3.7	12.3	30
16+00 Power Pole on ℄		341.84	342.04	342.01	342.03	341.80	341.79	341.33
		5.50	5.30	5.33	5.31	5.54	5.55	6.01
		30	12.3	3.7		3.7	12.3	30
15+50		341.71	341.84	341.83	341.81	341.63	341.65	341.11
		5.63	5.50	5.51	5.53	5.71	5.69	6.23
		30	12.3	3.7		3.7	12.3	30
15+00		341.56	341.68	341.66	341.64	341.44	341.35	340.94
		5.78	5.66	5.68	5.70	5.90	5.99	6.40
		30	12.3	3.7		3.7	12.3	30
14+88 Power Pole on ℄		341.40	341.50	341.51	341.44	341.25	341.19	340.67
		5.94	5.84	5.83	5.90	6.09	6.15	6.67
		30	12.3	3.7		3.7	12.3	30
14+50								

34734

34734

Park Blvd Contd.

19+36 Power Pole on ℄

19+00

18+50

18+24 Power Pole on ℄

18+00

17+50

17+12 Power Pole on ℄

17+00

34734

342.18 342.10 342.08 341.97 341.72 341.64 341.10

5-16 5-24 5-26 5-37 5-62 5-70 6-24

30 12.3 3.7 3.7 12.3 30

342.19 342.15 342.15 342.14 341.86 341.77 341.26

5-3 5-19 5-19 5-20 5-48 5-57 6-08

30 12.3 3.7 3.7 12.3 30

342.20 342.20 342.17 342.16 341.90 341.85 341.36

5-14 5-14 5-17 5-18 5-44 5-49 5-78

30 12.3 3.7 3.7 12.3 30

342.11 342.27 342.25 342.25 342.04 341.95 341.52

5-23 5-07 5-09 5-09 5-30 5-39 5-82

30 12.3 3.7 3.7 12.3 30

342.05 342.27 342.27 342.30 342.10 342.06 341.66

5-29 5-07 5-07 5-04 5-24 5-28 5-68

30 12.3 3.7 3.7 12.3 30

34734

Park Blvd. Cont'd.

21+52.3 Beg 5' Island (on nose of 2.5' Rad.)

21+00

20+50

20+49 Power Pole on ℄

20+00

TP	5.36	347.53	5.17	342.17

19+50

347.34

℄

Elev.	342.69	342.58	342.60	342.45	342.19	342.05	342.07	342.14	341.57
Rod	4.84	4.95	4.93	5.05	5.34	5.48	5.46	5.39	5.96
Dist.	30	12.3	3.7	Btm	3.7	5.5	10.5	12.3	30
Top				4.37 / 343.16					

Elev.	342.58	342.54	342.47	342.33	342.09	341.86	341.87	342.01	341.44
Rod	4.95	4.99	5.06	5.20	5.44	5.67	5.66	5.52	6.09
Dist.	30	12.3	3.7		3.7	5.5	10.5	12.3	30

Elev.	342.39	342.42	342.29	342.22	341.89	341.69	341.71	341.79	341.21
Rod	5.14	5.11	5.24	5.31	5.64	5.84	5.82	5.74	6.32
Dist.	30	12.3	3.7		3.7	5.5	10.5	12.3	30

Elev.	342.29	342.23	342.18	342.14	341.73	341.58	341.58	341.67	341.19
Rod	5.24	5.30	5.35	5.39	5.80	5.95	5.95	5.86	[illegible] 6.34
Dist.	30	12.3	3.7		3.7	5.5	10.5	12.3	30

347.53

Elev.	342.18	342.10	342.05 ‖	341.96	341.67	341.54	341.09
Rod	5.16	5.24	5.29	5.38	5.67	5.80	6.25
Dist.	30	12.3	3.7		3.7	12.3	30

347.34

Park Blvd. Contd.

(Contd. P. 53)

22+28 End Conc. Slab Rails on Rt

22+00

B.M.	7.00	347.31			340.31
B.M.			366	300.53	300.65
T.P.	1.40	304.19	12.87	302.79	
T.P.	0.22	315.66	12.97	315.44	
T.P.	0.19	328.41	13.00	328.22	
T.P.	0.91	341.22	7.22	340.31	

21+60 Power Pole on Rt

21+54.8 E.C. 2.5' Rad. of Island

347.53

℄

342.70 342.47 342.38 342.43 343.10 343.13 342.98 342.23 342.10 341.94 341.60

L 6.1 L 8.4 L 9.3 L 8.8 L 7.1 L 1.8 L 3.3 S 0.9 S 2.1 S 3.7 S 7.1

30 12.3 3.7 2.5 Btm G 2.22 Top Cb 2.22 Top Cb 2.5 Btm G 3.7 12.3 30

342.76 342.54 342.47 342.49 343.16 343.17 343.00 342.26 342.17 342.01 342.08 341.63

L 5.4 L 7.7 L 8.4 L 8.2 L 9.5 L 7.4 L 3.1 S 0.5 S 5.4 S 5.3 S 5.3 S 5.6

30 12.3 3.7 2.5 Btm 2.22 Top Cb 347.31 2.22 Top Cb 2.5 Btm G 3.7 5.5 12.3 30

30' Line El Cajon E. & Line Park

L&T S.E. Cor. El Cajon & Park

SW BP Florida & El Cajon

50. Line El Cajon E. & Park Blvd.

L&T S.E. Cor. El Cajon & Park Blvd.

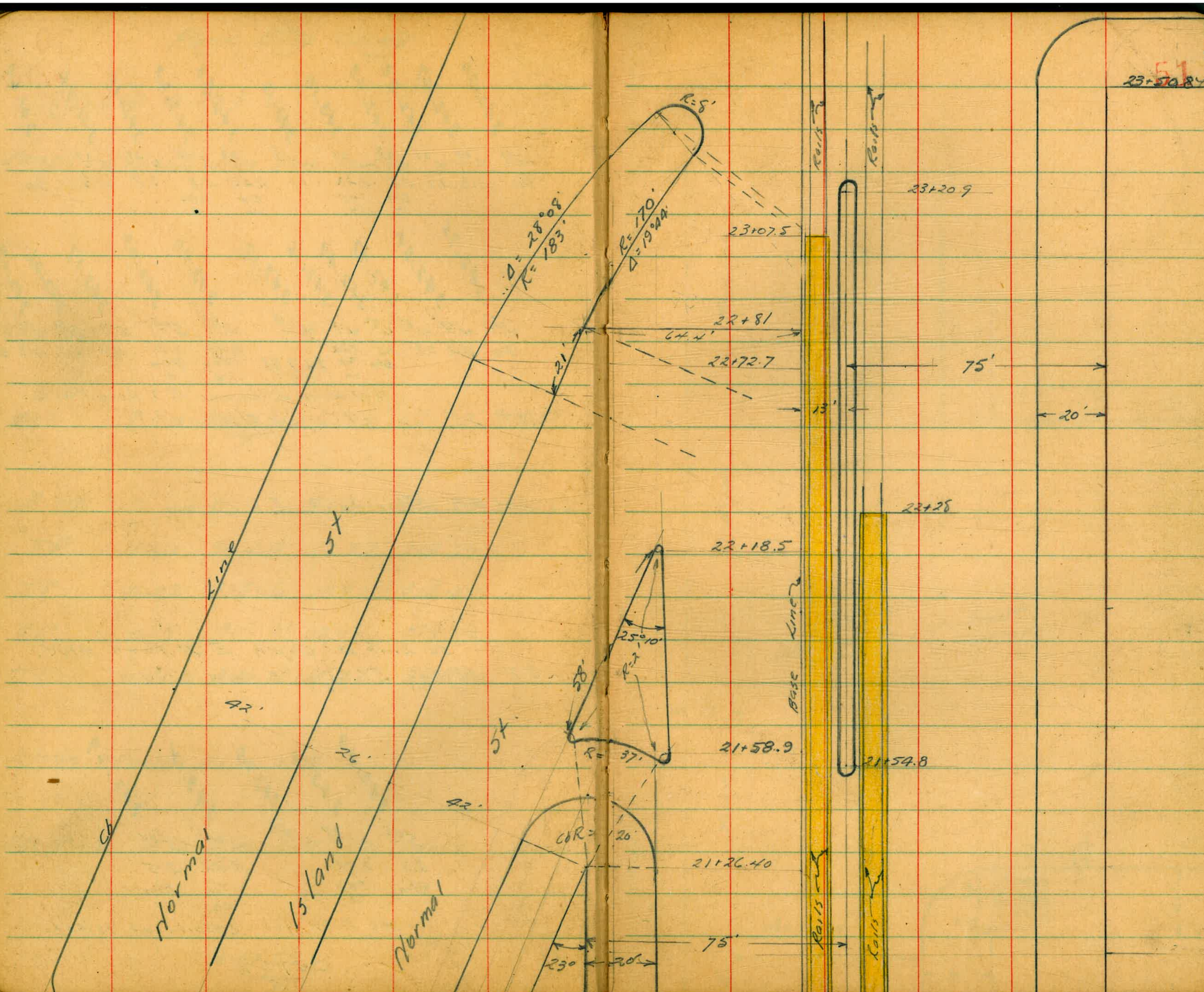
342.48 343.16 343.23 343.17 342.29

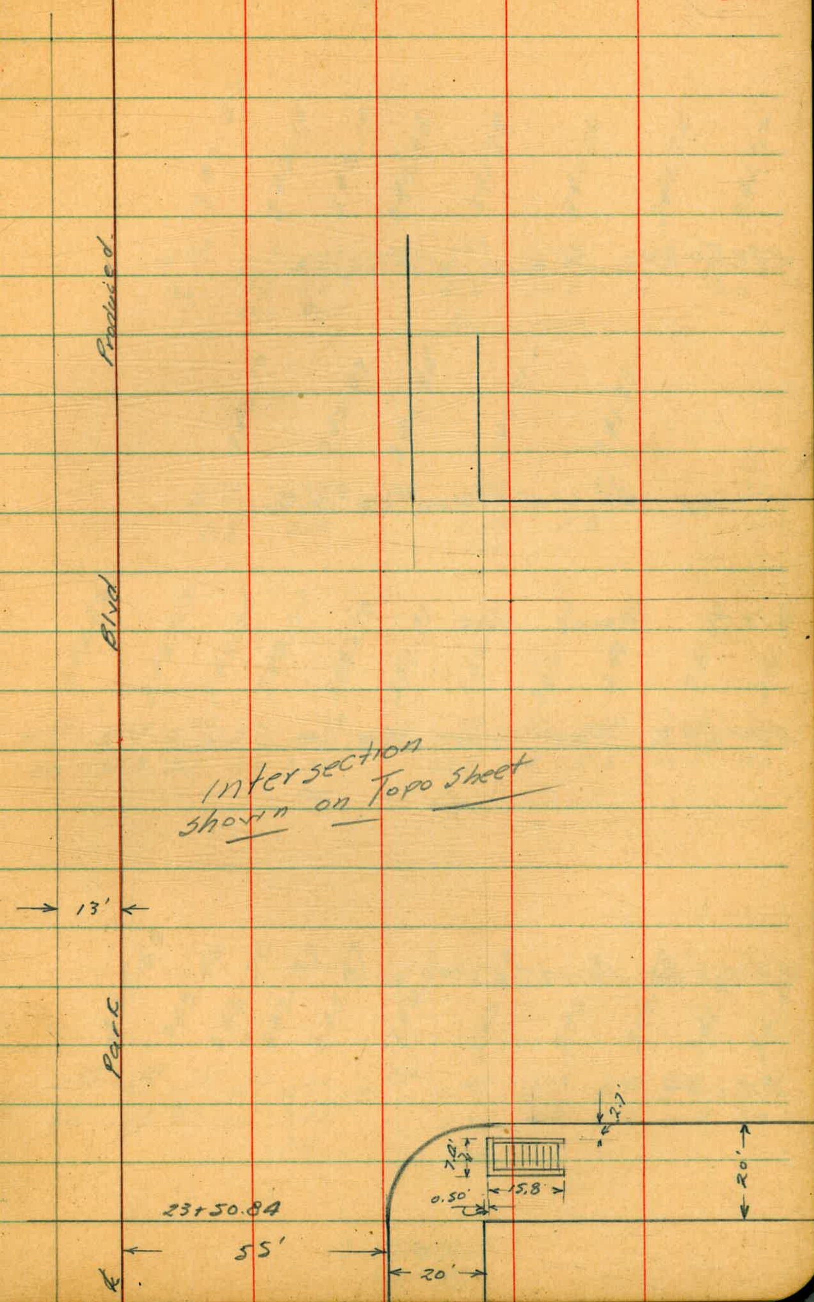
S 0.5 L 3.7 L 3.0 L 4.1 S 2.4

2.5 Btm 2.22 Top Cb. 2.22 Top Cb. 2.5 Btm

see P. 39 for Detail. of Island.

347.53


R=8'
Δ=28°08'
R=183'
R=170'
Δ=19°44'
23+07.5
23+20.9
22+81
64.4'
22+72.7
21'
75'
13'
20'
23+28
22+18.5
25°10'
58'
R=7
R=37'
21+58.9
21+54.8
21+26.40
CbR=20'
75'
23°
20'
42'
26'
42'
5t
5t
Line
Normal
Island
Normal
CL
Rails
Rails
Rails
Rails
Base Line
23+50.8


Park Blvd Produced.
13'
Intersection
shown on Topo Sheet
23+50.84
55'
20'
0.50'
15.8'
7.0'
2.7'
20'

Park Blvd Cont'd.

23+50.84 So. Line El Cajon

23+20.9 BC. 2.5 Radius on ℄ Island

23+19 Signal on ℄

23+07.5 End. Conc. Slab Rails Lt.

22+68.5 Power Pole on ℄

22+50

347.31

℄

342.52	342.15	342.10	342.05	341.79	341.76	341.75	341.72
L 2.5	5.6	5.21	5.26	5.52	5.55	5.56	6.09
30	10.5 Rail	5.5 Rail		5.5 Rail	10.5 Rail	13	30

342.17	342.87	342.85	342.71	341.99
5.14	L 4.44	L 4.46	L 6.60	5.32
2.5	2.22		2.22 Top	2.5

342.62	342.27	342.24	342.20	342.93	342.91	342.76	342.05	341.86	341.83	341.30
L 6.9	5.04	5.07	5.11	L 4.38	L 4.40	4.55	5.26	5.45	5.48	6.01
30	12.3	3.7	2.5	2.22 Top		2.22 Top	2.5	5.5	10.5	30

342.68	342.42	342.36	342.37	343.07	343.07	342.89	342.16	341.88	341.90	341.50
L 6.3	L 4.89	L 4.55	L 4.24	L 4.24	L 4.42	5.15	5.42	5.44	5.81	
30	12.3	3.7	2.5	2.22 Top		2.22 Top	2.5	5.5	10.5	30

347.31

℄

Park Blvd Cont'd

BM.	7.00	340.31	340.31
24+80.84	No. Cb Line & El Cajon		
24+25.84	& El Cajon		
23+70.84	So. Cb. Line El Cajon		

347.31

&

341.83	341.88	341.62	341.58	341.51	341.51	341.35	341.08
5+48	5+43	5+69	5+73	5+80	5+80	5+96	6+23
30	7	32 Rail		2 Rail	13.5 Rail	18 Rail	30

342.28	341.92	341.82	342.00	341.77	341.66	341.63	341.29
5+03	5+39	5+49	5+31	5+54	5+65	5+68	6+02
30	10 Rail	46 Rail		7 Rail	12 Rail	14	30

342.46	342.05	342.03	342.02	341.77	341.73	341.74	341.21
4+85	5+26	5+28	5+29	5+54	5+58	5+57	6+10
30	105	55		58 Rail	105	13	30

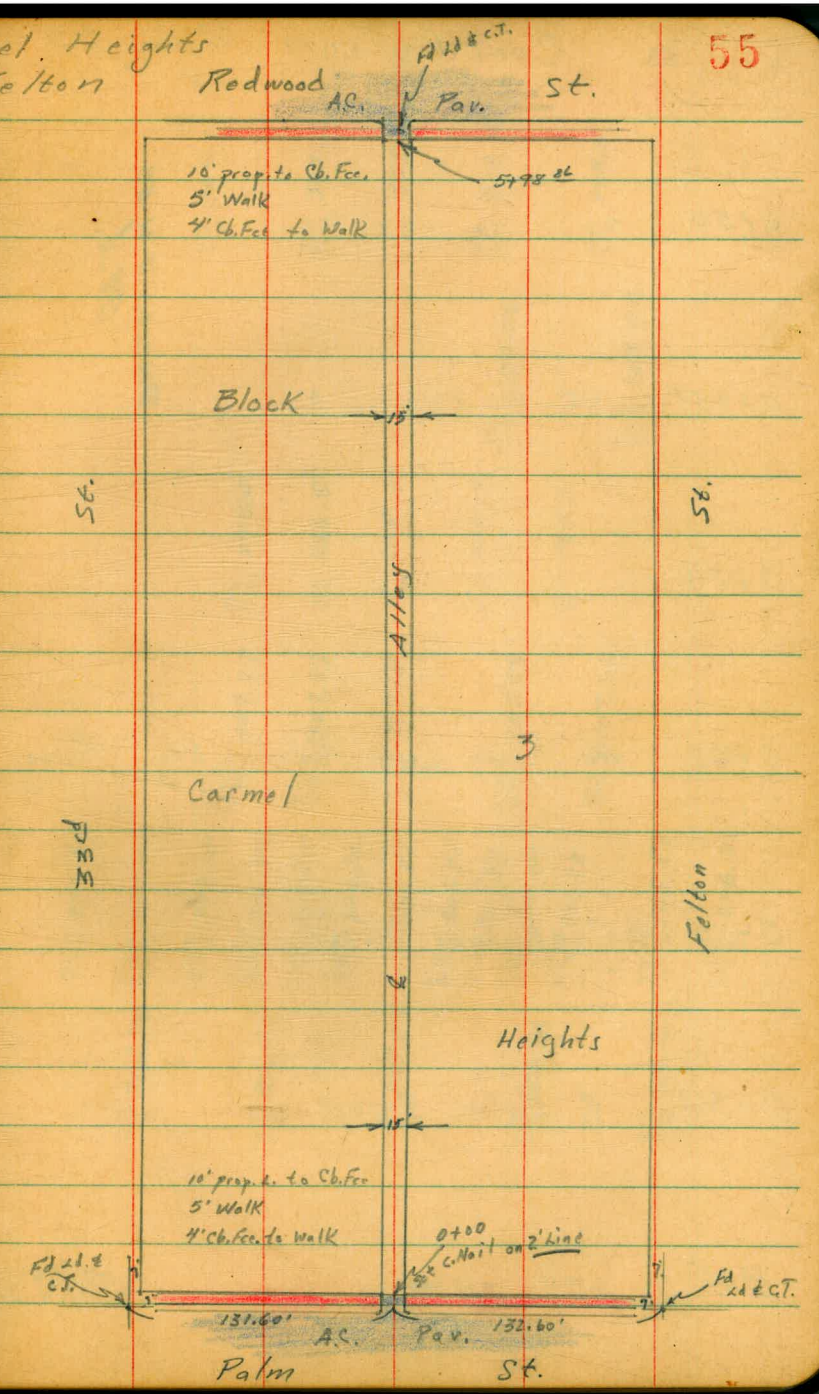
347.31

2-20-50
Roberts
Garber
Moore
Clark
W.O.# 31855

X-Section Alley Block 3 Carmel Heights
Palm to Redwood between 33rd & Felton

FB1546 pg 33

INDEXED
M.R.
MAR 30 1950



Cont'd From Page 55

0+50			
0+43.5	8.4' Rt 8' Wide Conc. Apron		REDUCED 2-21-50 O.W.D.
0+20			
0+00	No. Prop. Line Palm	Edge Paving	
0-10	No. Curb Line Palm		
0-30	℄ Palm Street		
BM	6.34	311.98	305.64

Lt ℄ Rt

309.1 (2.9, 20) | 309.2 (2.8, 7±) | 308.9 (3.3) | 308.4 (3.6, 7±) | 308.5 (3.5, 20)

308.45 (3.53, 8± Apron) | 308.54 (3.44, 10± Floor)

309.0 (3.0, 20) | 308.5 (3.5, 7±) | 308.1 (3.9) | 308.3 (3.7, 7±) | 308.3 (5.7, 11±)

307.77 (4.21, 7± cb.) | 307.57 (4.41, 7± Gutt) | 307.18 (4.80) | 307.55 (4.43, 7± Gutt) | 307.66 (4.32, 7± cb)

306.67 (5.31, 100 cb) | 306.09 (5.89, 100 Gutt) | 307.10 (4.88, 50 cb) | 306.56 (5.42, 50 Gutt) | 307.43 (4.55, 9.5 cb) | 306.84 (5.14, 9.5 Gutt) | 306.81 (5.17) | 306.88 (5.10, 9.5 Gutt) | 307.37 (4.41, 9.5 cb) | 306.32 (5.47, 55 Gutt) | 306.88 (5.10, 55 cb) | 305.85 (6.13, 100 Gutt) | 306.32 (5.66, 100 cb)

306.74 (5.24, 100) | 306.42 (5.56, 50) | 307.09 (4.89) | 306.58 (5.40, 50) | 306.15 (5.83, 100)

SW 7'Ld&CT Palm & Felton

311.98

Cont'd From Page 56

T.P.	5.24	313.64	3.58	308.40
1+50				
1+49	6.8' Rt Begin Lath Fence			
1+22.5	6.8' Rt. to N. Cor. Conc. Apron			
1+04.5	6.2' Rt to So. Cor. Conc. Apron			
1+03	7.1' Lt. to Deadman			
1+00				
0+99	6.4' Rt to Center T. Pole # H429315			
0+82	6.6' Lt. to Center P. Pole # PA2735			
0+78	6.6' Rt to Deadman			

31.98

Lt.		℄		Rt.
308.5	308.3	308.5	308.6	308.3
3.5	3.7	3.5	3.4	3.7
30	7.5		7.5	20
			308.99	309.12
			2.99	2.86
			6.2	11.9
			Apron	Floor
			309.14	309.12
			2.84	2.86
			6.1	11.5
			Apron	Floor
309.1	309.0	309.0	309.3	308.5
2.9	3.0	3.0	2.7	3.5
20	7.5		7.5	20

31.98

Cont'd From Page 57

		Lt	℄	Rt
3+43.5	5.2' Lt to Center P.Pole # PA2955			
3+00		308.2 5.4 20	308.2 5.4 7.3	308.1 5.5
2+99	7.3' Lt End Board Fence Begin Lathe Fence			308.1 5.5 7.3
2+80.1			307.94 5.70 R. MH3	308.1 5.5 20
2+50	7.5' Lt Begin Board Fence 7.2' Rt Begin Lattice Fence	308.2 5.4 20	308.0 5.6 7.3	307.9 5.7
2+48.5	6.3' Rt. to Center T. Pole # D35337			307.8 5.8 7.3
2+05	7.3' Rt & 6' Wide Shed Conc. Foundation			307.7 5.9 20
2+00		308.2 5.4 20	308.3 5.3 7.3	308.2 5.4
1+99	7.4' Rt End Lathe Fence 6.5' Rt to Center T. Pole # 4984754 5.5' Lt to Center P. Pole # A2945			308.2 5.4 7.3
				307.6 6.0 20
				307.97 5.67 7.3 Conc.

313.64

313.64

Cont'd From Page 58

		Lt	℄	Rt
4+74.5	6.5' Lt to Center P. Pole # A3027			
4+70.5	15' Door 8.8' Lt to Garage Openning on N.S. of BH	2.1 8" Conc. Floor	310.8	310.7
4+50		310.3 3.3 20	2.8 7.5	2.9 7.5
4+49	7.1' Rt End Lattice Fence Begin Wire Fence 7.0' Lt End Picket Fence			
4+00		309.3 4.3 20	309.6 4.0 7.5	309.7 3.9 7.5
3+99	7.1' Rt Begin Lattice Fence 6.6' Rt to Center T. Pole # 033367 7.0' Lt End Wire begin Picket Fence			
3+73.5	7.0' Lt & 6' Conc. Walk	309.02 4.62 15 Conc	309.09 4.55 7.0 Conc	
3+54.5	11.0' Rt. & Single Garage	308.8 4.8 20	308.9 4.7 7.5	308.8 4.8 7.5
3+49	7.0' Lt End Lathe fence begin Wire Fence			308.7 4.9 7.5
				308.9 4.7 11 Floor ?

313.64

313.64

Cont'd From Page 59

		Lt	℄	Rt
5757	6.8' Lt End Picket Fence	312.55 4.61 10.9 conc	312.54 4.62 6.9 conc	
5754	6.9' Lt. & 5' Conc. Slab			
5750		312.3 4.9 20	312.2 5.0 7.5	312.2 5.0 312.6 4.6 7.5 312.6 4.6 20
5749	7.1' Rt End Wire Fence 6.6' Rt to Center T. Pole # JPA 3029			
5725	6.6 Lt Begin Picket Fence			
5710	14.2' Lt to Conc. Apron of Double Garage	311.47 5.69 18.4 Floor	311.45 5.71 14.4 Apron	
T.P.	5.58 317.16 2.06 311.58			317.16
5700		311.0 2.6 20	311.5 2.1 7.5	311.6 2.0 311.5 2.1 7.5 311.2 2.4 20
4799	8.8' Lt to Slab from Garage TP to Alley	311.54 2.10 8.4 Conc		
	313.64			313.64

Cont'd From Page 60

Check	4.12	313.04 = 313.01	NWBP
Check	5.48	311.68 = 311.61	NWBP

6+28 86 — ℄ Redwood Street

6+08 86 — So. Curb Line Redwood

5+99 6 — 7½ Lt End 0.4 Curb

5+98 86 — So. Prop. Line (Paving Edge) Redwood Street

5+80

5+61 5 — 7.0' Lt to (Begin) 0.4 Curb

317.16

Lt ℄ Rt

Redwood & Felton

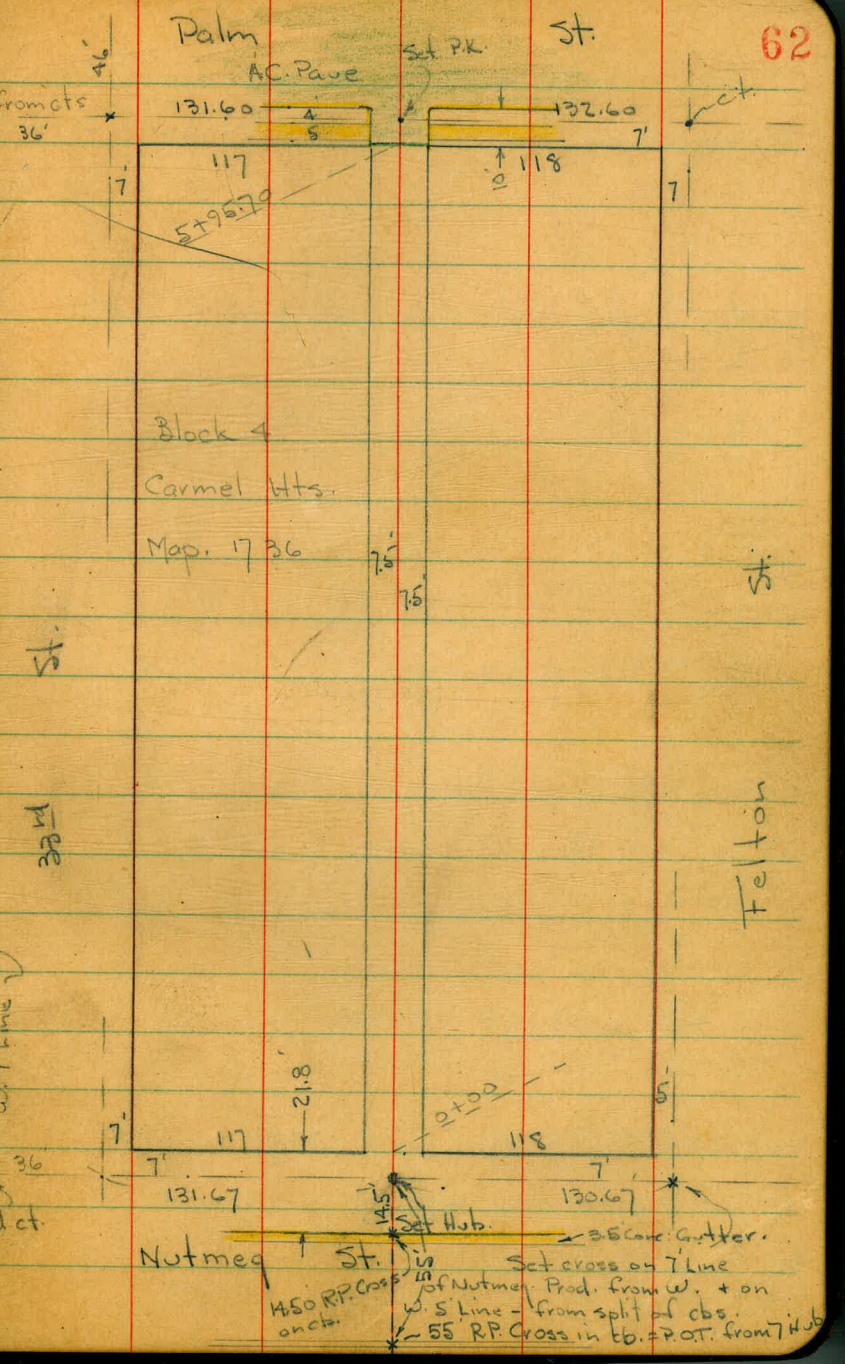
Redwood ℄ 33 Rd 11

Lt						℄						Rt		
			311.90			312.06		312.13		312.36			312.68	
			5.26			5.10		5.09		4.80			4.48	
			100			50				50			100	
311.11	310.77	311.26	310.94	311.52	311.07		311.12	311.15	311.66	311.27	311.72	311.56	311.96	
6.05	6.39	5.90	6.22	5.64	6.09		6.04	6.01	5.50	5.89	5.44	5.60	5.20	
100	100	40	50	95	95			92	95	50	50	100	100	
cb	Gutt	cb	Gutt	cb	Gutt			Gutt	cb	Gutt	cb	Gutt	cb	
311.81	312.11		311.60	311.38				311.72		311.73				
5.35	5.05	5.6	5.56	5.78				5.44		5.43				
7±	7.3	7.3	7.3					7±		7±				
City Curb	cb.	Foot	Gutt					Gutt		cb				
	312.60	311.9	312.3	312.1				312.3		312.5			312.6	
	4.56	5.3	4.9	5.1				4.9		4.7			4.6	
	7.3	7.0	7.0					7.5		9			20	
	Top	Foot	Dirt											
312.70	312.0		312.4											
4.46	5.2		4.8											
7.0	7.0		7.0											
Top	Foot		Ground											

317.16

INDEXED
JUL 27 1954

1-12" Hemp
1-3" Jute



E. 7' ct. Bancroft.

Line Prod. E.

X-Sect. 15' Alley in Block 4 - Carmel Hts.

Sketch - P. 62 - W.O. 32339 - 7+23-54 - 7.0.

0+55 - 2' Lt. = inlet of 22" Steel pipe Culvert.

0+50

0+30

0+24 - 8' Lt. = ℄ P. pole # J.P.A. -2717 — 278.03 = B.M. spike

0+13 = ℄ Sewer M.H.

0+00 = N.L. of Nutmeg

0-02 - 8.5' Lt. = ℄ Deadman

0-05

0-21.8 = N. cb. of

0-25.3 = outside of Conc. gutter.

Set B.M. on Cross 0-21.5 on cb. ℄ 281.07

B.M. = N.E. B.P. Felton & Nutmeg. 278.48

Lt. ℄ Rt.

71.0 20	65.0 7.5	63.09 2=I.E. of pipe	66.8 -	68.5 7.5 = wire fence	70.2 8	70.0 11.2 = edge of Lath House 10' Diam.
71.5 20	65.3 7.5	68.0	71.3 7.5	71.4 20		
73.5 20	71.2 7.5	71.5	71.7 7.5	71.6 20		
76.3 20	78.1 7.5	72.50 N. Rim	73.3 7.5	72.0 20		
81.4 30	79.5 7.5	78.9	80.2 7.5	79.0 30		
83.7 30	82.2 7.5	81.2	80.8 7.5	79.0 30		
82.97 gut. 30	83.76 30 Top	80.90 gut.	81.73 7.5 Top	80.22 gut	81.07 Top	79.67 7.5 gut	80.49 Top	78.05 30 gut.	78.88 Top
83.27 30		81.28 7.5	80.62 edge of gut.	79.99 7.5	78.38 30				

Actual Elev. shown - 200' fig. Not Noted.

2+10

1+96 - 7' Rt. = Beg. 6" Conc. Block Wall - 8' High

1+95.2 - 11.4' Lt = Beg. Cyclone Fence

1+80

1+73.5 - 7.5' Rt = end of wall = B.M. = 283.82 spike

1+70.5 - 6.7' Lt = ℄ P. pole # PA 2751

1+50

1+45 - 7.1' Rt = end Picket fence = Beg. 8" Conc. wall

1+25

1+12 - 6' Rt = end of Conc. Slab.

1+08 - 21.3' Rt = ℄ 10' Conc. apron to Door - back of Gar.

1+00

0+96 - 6' (Lt.) pk. = Beg. Rough Conc. Slab. by picket fence 7.5 Rt. end wire fence

0+78 - 9.5' Rt = ℄ 12" Evergreen tree

0+70

Lt.		℄			Rt.		
86.2 10.8 by fence	86.4 7.5	87.0	87.3 7.2 = By wall 84.75 7 bottom of footing		85.1 ground		
83.7 15	83.9 7.5	83.0	83.2 7.5		84.1 15		
					82.2 7.5	82.54 Top wall	
81.4 20	80.0 7.5	79.7	79.9 7.3 gr.		81.76 Top wall	81.8 15	
					79.8 7.1		81.25 7.1 Top wall
76.1 20	77.7 7.5	78.2	78.0 7.5 = fence	gr.	78.7 20		
					77.66 6 = Top Conc		
			78.23 21.3 apron		78.34 24.3 floor Gar		X
68.4 30 Lwash	73.0 15	74.3 7.5	76.4	76.6 6 edge of Conc.	76.98 7.5 on Conc.	76.5 8	76.9 20
69.0 20	65.6 10 ℄ wash	65.7 7.5	67.5	69.5 7 fence	71.0 7.5		71.8 20

3+70 - 8.5' Rt. = end House + Beg. Stucco wall

3+50

3+46 - 7.8' Lt. = Beg. Board fence

3+46 - 7.7' Rt. = end fence + 8.7' Rt. = Beg. House Stucco

3+31 - 7.7' Rt. = end wall - fence Cont.

3+25

3+19.2 - 0.2' Rt. = ℄ Sewer MH 96.32 sly. Rim

3+00

2+96 - 7' Lt. = ℄ P. pole # PA 2799

2+96 - 7.8' Rt. = end fence + 7.5' Rt. = Beg. Picket fence

2+65

2+57 - 7.8' Rt. = end wall + 8.2' Rt. - Beg. Picket fence

2+47 - 7.7' Rt. = end Conc Block + Beg. Reg. 6" Conc. wall

2+40

2+35 - 3.5 Rt. = end Conc. Slab.

2+23.7 - 3.5' Rt. = Beg. Conc. Slab along wall

Lt	℄	Rt
		99.9 8.5 = gr
98.0 9. in yard.	98.4 7.7 By fence	98.5 98.5 98.7 7.5 7.5 99.0 8.7 = By House
		97.32 7.7 = Top wall
95.8 15	96.5 96.9 97.1 7.5 7.5	97.33 7.8 = Top wall
94.8 15	94.8 95.2 96.8 7.5 7.5	97.3 7.7 By wall
		95.6 = Bottom of footing 98.00 Top wall
91.8 11 By fence	91.9 92.6 7.5	94.2 7.5 94.2 8 = By fence
		93.5 94.5± Top wall 7.8 gr.
89.9 .9 By fence	89.8 89.6 89.9 7.5 7.6 = By wall	
		89.44 89.43 3.5 7.5 Cor. at wall
		89.26 89.27 3.5 7.5 at at Cor. wall

4+96.5 - 7' Lt. = ℄ P. pole # J.P.H. 2853

4+96 - 8.8' Lt. = Beg. Plastered Tile wall

4+95 - 8.6 Lt. = end Gar.

4+79.5 - 8.6 Lt. = end Gar. + Beg. 2 car Gar - Conc. floor

4+72 - 8' Rt. = end of House + Sly. of 3' Conc walk Thru wall
8.9' Lt. = Beg. Sing Gar. Conc. floor

4+66 - 8.8 Lt. = end House

4+60

4+49 - 8.7 Lt. = Beg. frame House - Conc. found. House

4+47 - 8.2' Rt. = end Conc. wall + Beg. Conc. Block

4+45 - 8.6 Lt. = end shed.

4+40

4+28.5 - 7.8' Lt. = end fence + 8.5 Lt. = Beg. shed

4+00

3+96 - 6.9' Lt. = end Conc. Slab.

3+96 - 7' Lt. = ℄ P. Pole = B.M. = 301.07
7.7' Rt. = Beg. Conc. footing to 8" Conc. Block wall - 8.1 Rt.

3+96 - 8.8 Rt. = end Stucco wall (under Const.)

3+81 - 6.9' Lt. = Beg. Rough Conc. Slab along fence

3+74.5 - 8' Rt. = ℄ 3' Conc. walk Thru wall

	Lt.	℄	Rt.
	04.97 8.6	05.5 7.5	05.5 05.9 7.5 06.1 8.1 = By wall
	04.93 8.6 floor to W.	04.11 8.6 = floor ToS.	05.36 8 = Top walk
04.11 8.9 floor.	03.9 8.8 gr. By House	03.8 8.7	04.0 7.5 04.4 04.7 7.5 04.5 8.1 = By House
	04.57 floor	03.8 By House 8.7 gr.	02.02 7.6 03.7 7.6 = gr. Top of footing
	02.07 floor 8.5	02.11 8.5 = Conc. floor.	02.7 7.5 02.8 02.7 7.5 01.97 7.6 Top footing
	99.6 9 in yard.	00.8 7.9 By fence	00.8 7.5 01.1 01.2 7.5 00.78 7.6 Top of 1' High footing 8 = wall
	00.74 7.9 Conc. by fence	00.70 6.9 = Conc.	
	300.32 7.9 By fence	300.26 6.9 Top of Conc.	99.77 7.7 Bottom of footing 300.77 Top of footing
			99.75 8 = walk

Palm.

Check B.M = S.W. ict. Felton + 305.64 - See P. 56

6+05.70 = S. Cb. line

7.9' Lt. = end wall - Pave in poor Cond.

5+95.70 = S.L. Palm + Beg. A.C. Pave + cbs.

5+85 - 7.5' Rt. = end fence

5+80

5+68.5 - 8' Lt. = end apron + Beg. wall

to Doub. Gar.

5+51.5 - 8.1 Lt. = end wall + Beg. Conc. apron - 7.9' Lt

5+50

5+46 - 8.1' Lt. = Beg. 6" Conc. wall

5+40 - 11' Lt. = ℄ Sing. Gar. - Conc. floor

5+38 - 8.7 Rt. = Beg. Picket fence

5+30 8.7' Rt. = ℄ 17' Conc. apron to Doub. Gar.

5+20.5 - 8' Rt. = end wall

5+20 - 8.9' Lt. = end wall

5+15

Lt	℄	Rt.
06.33 Top	05.87 40 gut.	06.49 Top = 2' Rad.
06.08 7.5 gut.	05.96	06.06 7.5 gut.
06.51 Top 2' Rad.	05.87 40 gut.	06.25 Top
06.71 Top Cb.	06.49 7.7 gut.	06.00 on A.C.
06.45 7.4 gut.	06.66 Top cb.	
07.0 7.9 By wall	07.1 7.5	07.1 07.18 8 = apron
07.3 7.5	07.3 7.6 = fence	
07.34 15 floor Gar.	07.14 7.9 = apron	
07.1 8.1 By wall	07.1 1.5	07.0
06.9 7.5	06.6 8.3 By fence	
06.68 11 floor		
06.43 8.7	06.74 12.6 = floor.	
06.3 8.8 = By wall	06.4 7.5	06.2
06.3 7.5	06.2 8 By wall	

INVERT ELEVATIONS & LOCATIONS OF SEWER MANHOLES IN ALLEY BLK 4 CARNEL HTS. ALSO M.H. IN PALM ST. @ N. END OF ALLEY W.O. 21303

Stamper
Huffman
Sherwood
Elmore

NOTE: See Sketch Pg 62.
Same Sta's Used.

INDEXED
ER
JAN 25 1955

Sta	+	H.I	−	Elev.
0.3' Rt. ℄ 6+25.6	℄ Sewer M.H.		11.52	300.68
	6.56	312.20		
B.M.				305.64
0.2 Rt. ℄ 3+19.2	℄ Sewer M.H.		10.24	290.44
TBM.	4.36	300.68		296.32
℄ M.H. 0+13	℄ Sewer M.H.		22.24	260.31
	1.4	8 282.55		
B.M.				281.07

NOTE: Invert is Identical for 3 Pipes
Invert Elev. { Inlet. From East / Inlet from North / Outlet To South

SW. 1'C.T. Palm & Felton

Invert Elev.

Top Sly Rim

Invert Elev.

(See Pg 63)

DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES

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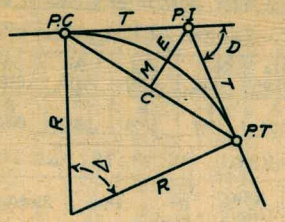

CURVE FORMULAS

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

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

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

External=E=T tan $\frac{\Delta}{4}$ (7)=R ÷ cos. $\frac{\Delta}{2}$—R (8)=R exsec $\frac{\Delta}{2}$ (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.

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