1771

CITY ENGINEER'S OFFICE

MADE IN U.S.A.

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK.	Left and Right Hand Page the same as Left Hand Page of this Book.
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No. 384 MINING TRANSIT BOOK.	Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.
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We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book,) which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter "F" to catalog number.

5.4
21
43

1993
2353
1810
2055

Rancho Mission
Beacon Hill
Macnagansett Mts. Etc. 1-

Proposed Trunk Sewers

X-Sec. I Stand - 25 to 26 21

" Wabaska, Macaulay to Capistrano 31

X-Sec. Alley in Block 7, La Jolla Strand 46

Survey opening Ave. Council 54

X-Sec. Alley Blk 13. Paulys Addn } 59 to
" Myrtle - Mississippi to Alabama } 75

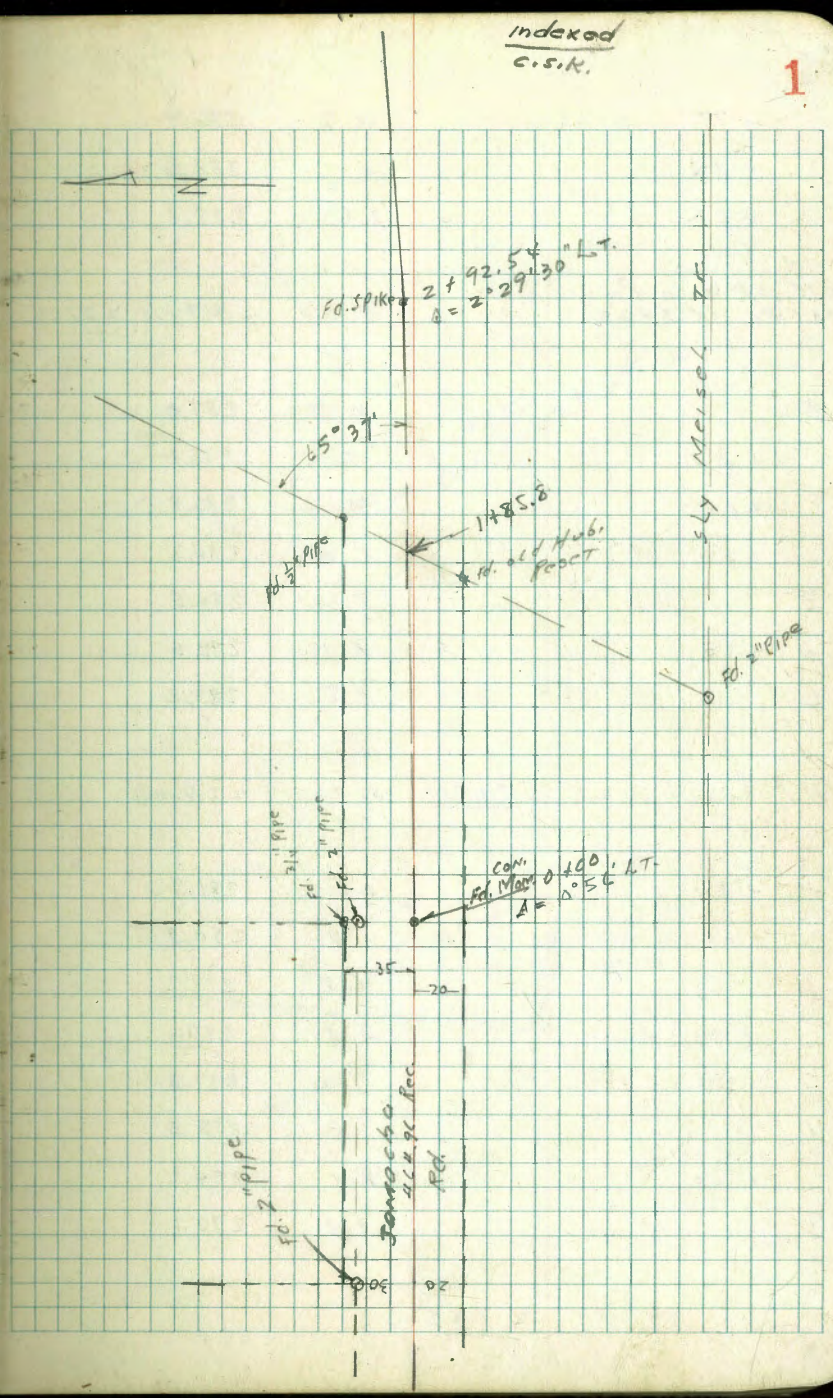
Check align. and Levels of
Proposed Trunk Sewer to serve
"Rancho Mission", Meisel,
"Beacon Hill" and Narragansett Hts.

Meade — Notes
Begg — Instm.
Green — Chain
Roberts — "
W.O. #219
4-2-47

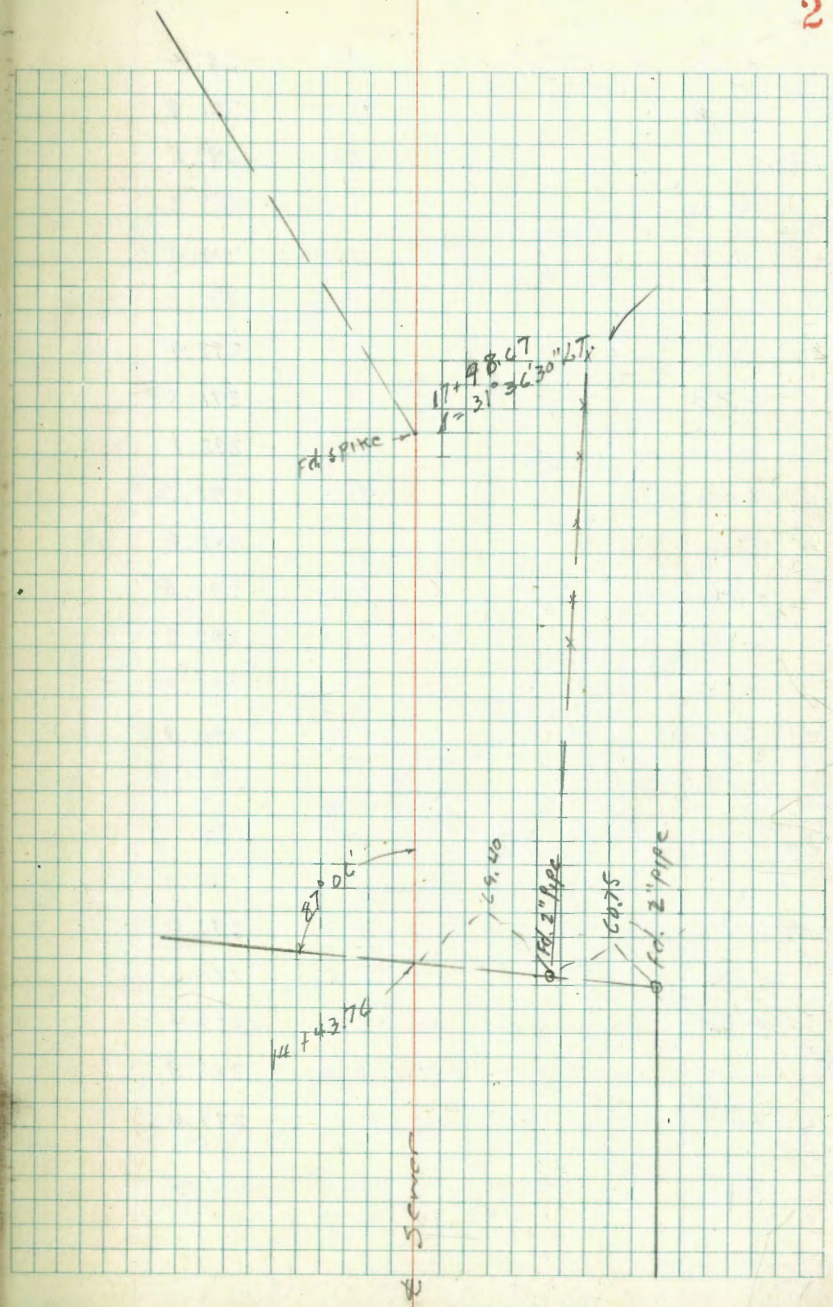
very windy

T.P. Rock	9.81	282.57	0.95	272.70
2 + 92.5℄ ∧ 2°29'30"			0.7	273.0
+50			1.6	272.1
2			2.5	271.2
+50			3.7	270.0
1			5.0	268.7
+50			5.5	268.2
0 +00			6.2	267.5
T.P.	5.69	273.65	3.98	267.96
T.P.	10.91	271.94	0.55	261.03
T.P.	9.45	261.58	2.87	252.13
2" Pipe Sw.	1.56	N55.00		253.XX

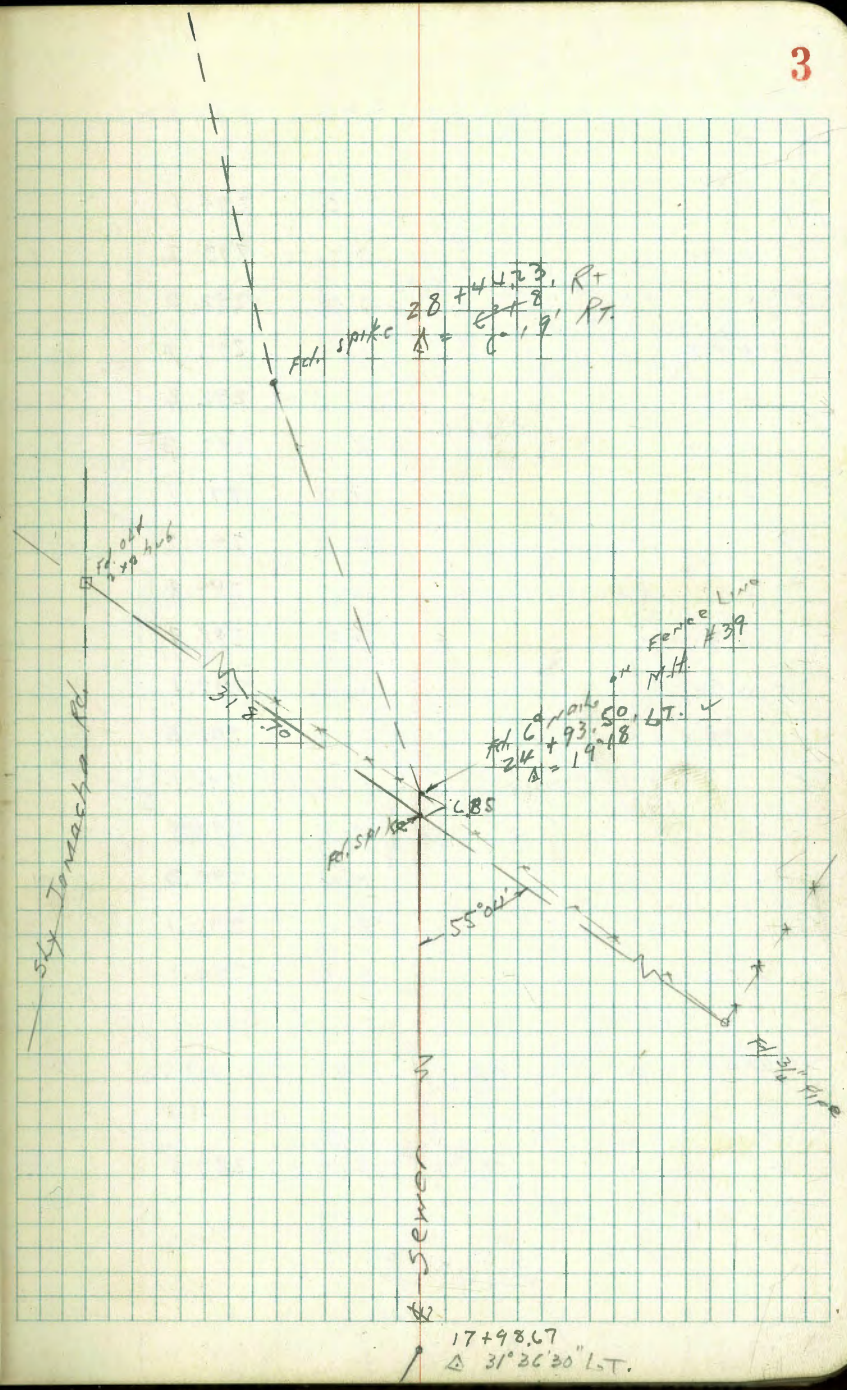
Box Culv.
Imperial
+ Cg-th F.B. 1558-37.



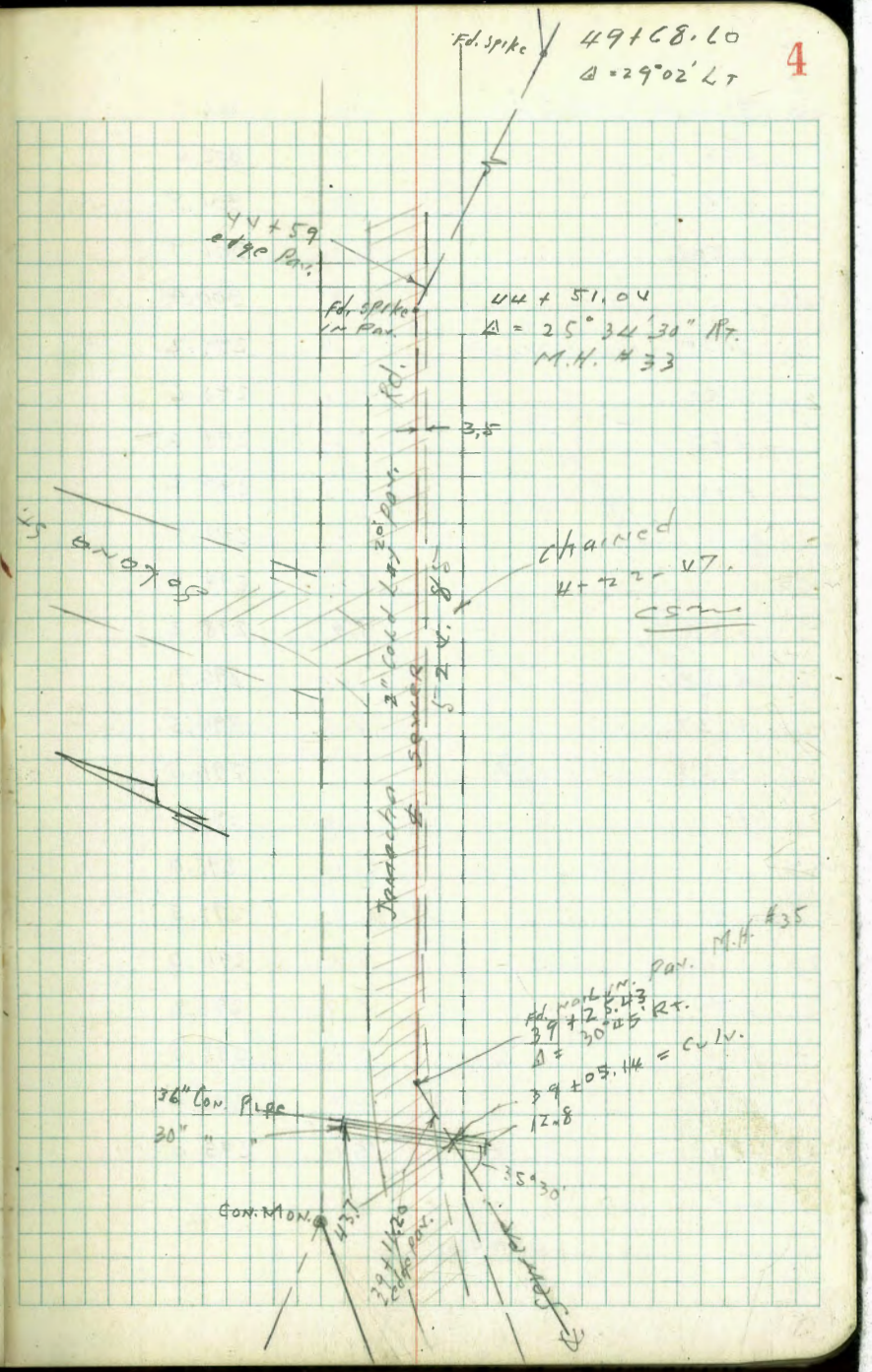
	+77			4.8	286.9
	+72			3.1	288.6
	+50			3.6	288.1
Fd. BM. Spike in Pole 10' Rt of 8+35				4.07	287.64	287.58 (0.06)
8				4.7	287.0
	+85			5.6	286.1
	+65			4.9	286.8
	+50			6.0	285.7
7				7.2	284.5
	+50			8.1	283.6
6				8.5	283.2
T.P. Rock		1225	291.71	3.05	279.66
	+50			0.6	281.9
	+04			1.7	280.8
5				2.8	279.7
	+93			3.9	278.6
	+50			5.2	277.3
4				7.0	275.5
	+50			8.4	274.1
3				9.4	273.1
			282.5		



	+ 50		8.0	289.4
	+ 18		7.2	290.2
13			7.6	289.8
	+ 83		8.2	289.2
	+ 50		7.4	290.0
	+ 34		6.2	291.2
12			5.0	292.4
	+ 78		5.6	291.8
	+ 50		5.3	292.1
	+ 20		5.7	291.7
11			5.0	292.4
	+ 74		5.9	291.3
	+ 57		5.2	292.2
	+ 50		5.2	292.2
10			6.5	290.9
T.P.		297.43	1.44	290.27
9	+ 83		0.7	291.0
	+ 50		2.1	289.6
	+ 30		2.3	289.4
	+ 27		3.4	288.3
9	+ 00		4.1	287.6
		291.71		

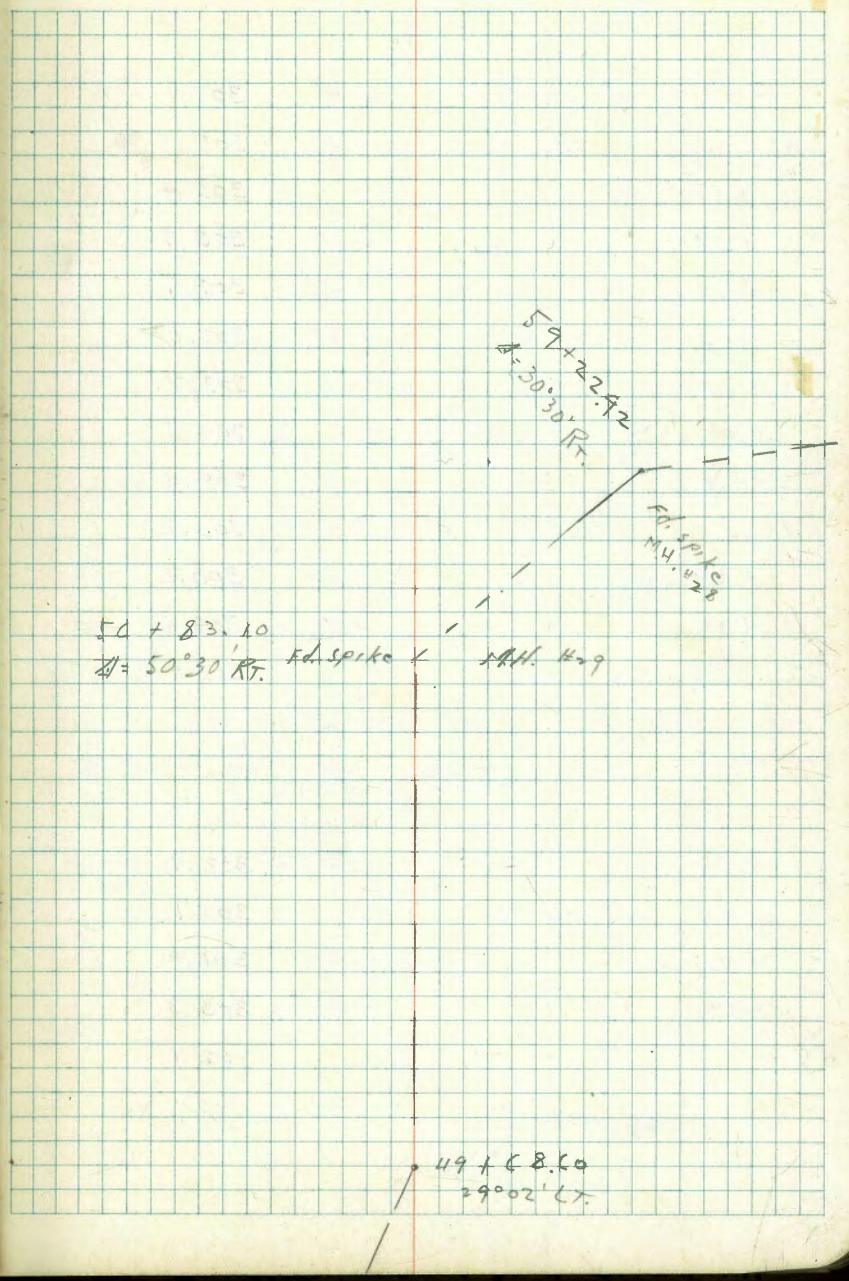


T.P.	9.49	304.11	4.05	294.62
19			4.6	294.1
+50			5.5	293.2
18			6.7	292.0
17+48.2 Δ 31°36'30" Lt.			6.7	292.0
+50			6.5	292.2
+04			6.4	292.3
+03			7.6	291.1
17			8.5	290.2
+96	Cross wash		8.9	289.8
+94	"		9.8	288.9
+91			6.6	292.1
+50			7.2	291.5
16			7.6	291.1
+66			7.9	290.8
+50			8.4	290.3
15			8.6	290.1
+50			8.6	290.1
T.P.	9.20	298.67	7.96	289.47
14			8.2	289.2
		297.43		

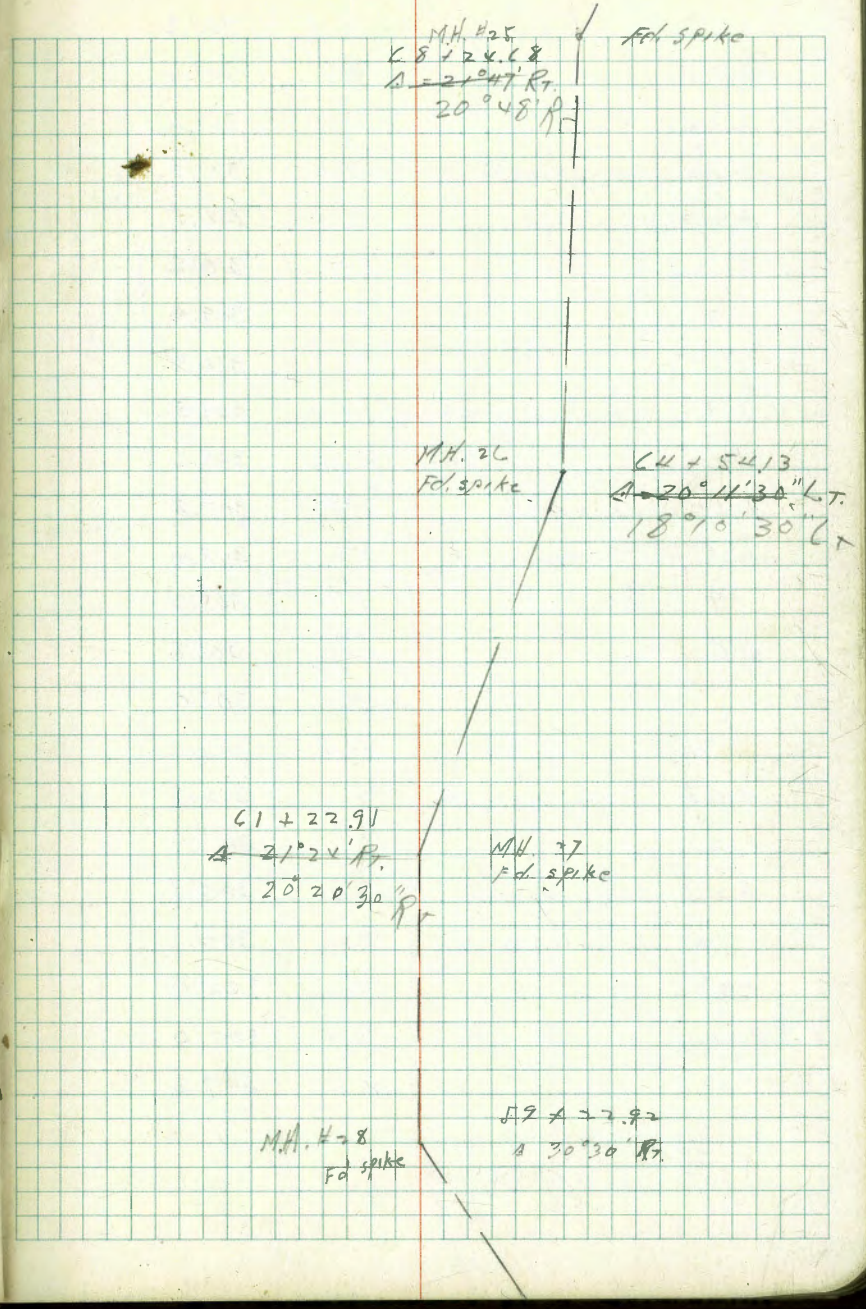


24 +93.50	Δ 19°18' Lt	2.0	302.1
+80		1.5	302.6
+66		2.3	301.8
+50		2.2	301.9
24		3.7	300.4
+55	Leave wash	4.9	299.2
+50		5.5	298.6
+37		5.5	298.6
+24		6.7	297.4
+17		6.2	297.9
23		5.6	298.5
+55		5.9	298.2
+50		7.2	296.9
+37		9.6	294.5
+29	in wash	8.1	296.0
+14		5.6	298.5
22		6.1	298.0
+50		6.6	297.5
21		7.1	296.0
+72		6.9	297.2
+50		6.1	298.0
20		7.7	296.4
19+50		9.1	295.0

304.11

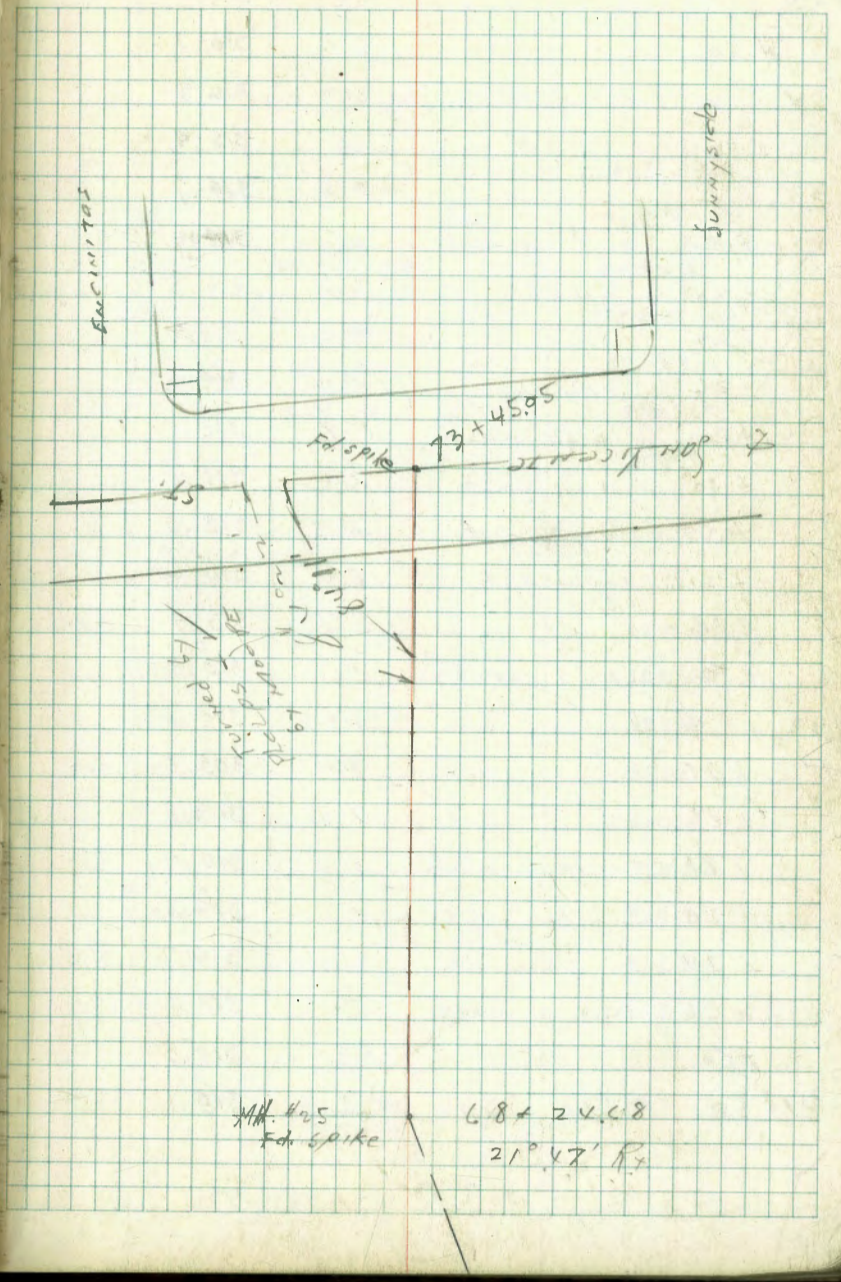


T.P.	12.75	319.03	4.22	306.28
	+44.23 Δ C°19'Rt		3.4	307.1
28			4.8	305.7
	+68 out wash		5.1	305.4
	+67		6.8	303.7
	+50		7.4	303.1
	+38 in wash		7.4	303.1
	+30		6.8	303.7
	+25		6.0	304.5
	+03		6.5	304.0
27			7.3	303.2
	+64		7.3	303.2
	+50		5.9	304.6
26			7.1	303.4
T.P.	7.63	310.50	1.24	302.87
	+50 out wash		1.7	302.9
	+46 in wash		3.0	301.1
	+41		2.2	301.9
	+34		0.8	303.3
25			2.0	302.1
		304.11		



	+46	8.8	310.2
	+40	9.4	309.6
	+30	7.4	311.6
	+31	8.0	311.0
	+27	6.5	312.5
	+20	8.5	310.5
	+06	9.6	309.4
31		8.7	310.3
	+81	10.5	308.5
	+54	10.8	308.2
	+50	11.5	307.5
	+35	9.6	308.4
	+19	9.7	308.3
	+16	10.2	308.8
30		11.0	308.0
	+72	11.8	307.2
	+68	12.2	306.8
	+50	11.6	307.4
	+26	12.2	306.8
	+20	13.0	306.0
	+05	13.0	306.0
29	+00	12.0	307.0
28	+50	11.8	307.2

31903



35			1.C	317.4
	+50		2.3	316.7
34			2.7	316.3
	+50		3.C	315.4
33			4.3	314.7
	+5C	OUT wash	4.6	314.4
	+44	side wash	6.8	312.2
31	+42		4.C	314.4
	+36		4.4	314.6
	+32	OUT wash	6.9	312.1
	+30	IN wash	7.2	311.8
	+27	OUT wash	5.5	313.5
	+21	IN wash	8.4	310.6
	+18		5.6	313.4
30	+10	OUT wash	5.1	313.9
32			8.2	310.8
	+94		9.1	308.9
	+86		9.2	309.8
	+81	IN wash	8.0	310.0
	+80		4.7	314.3
	+74		4.3	314.7
29	+68	OUT wash	5.0	313.0
28	+60		8.7	310.3
31+50			8.9	310.1

319.03

40 +50

T.P. 10.44 336.38

40

+50

39 +25.43 ∠ 30° x 5 RT.

+11.2 Reg. 2" cold lay pav.

+05.14 43.7 LT.

+05.14 42.8 RT

+05.14

St. RM. Con. Mon. 5' Left of 39+00

39

+85

+50

38

+50

37

+50

36

35+50

T.P. 9.74 327.73

319.03

9.70	327.32	
1.74	325.98	
1.90	325.83	
2.42	325.31	
2.67	325.06	
3.22	324.51	36" approx round
6.54	321.19	36" IN LOT
6.95	320.78	OUT LOT 36"
3.6	324.1	
3.16	324.57	
3.2	324.5	
5.3	322.4	
6.1	321.6	
6.8	320.9	
7.3	320.4	
7.4	320.3	
8.0	319.7	
8.4	318.4	
9.4	318.3	
1.06	317.97	

49			2.8	343.7
	+50		4.3	342.4
	+15		4.8	341.9
	+08.	wash	6.3	340.4
	+03		5.0	341.7
48			4.8	341.9
	+50		6.2	340.5
X7			7.2	339.5
	+50		8.4	338.3
46			9.0	337.7
	+50		10.2	336.5
T.P.		11.33	346.76	0.97	335.41
45			1.2	335.2
	+59	end Cold Lay	1.3	335.1
	+51.0	Δ 25°34'30" Rt	4.3	335.1
44			2.4	334.0
	+50		3.6	332.8
43			4.6	331.8
	+50		5.5	330.9
42			6.4	330.0
	+50		7.50	328.88
41			8.50	328.12
		336.38		

+90	6.3		362.5
+50	6.6		362.2
55	8.8		360.0
54+50	10.4		358.4
54	10.3		358.5
T.P.	11.61	368.80	0.87	357.19
+50	0.7		357.3
53	3.3		354.7
+50	5.4		352.6
52	6.6		351.4
+50	8.4		349.6
51	1st wash	10.1	347.9
50 +50	9.4		348.6
T.P.	11.97	358.01	0.70	346.04
50	0.3		346.4
49+86.0	Δ 29°02'Lt.	1.5	345.2
49+50	1.7		345.0
		346.78		

T.P.	12,06	380,56	0.30	368.50
+50			3.1	365.7
+31			3.5	365.3
57			2.3	366.5
56+83		Δ 50°30'Rt	1.4	367.4
+55			5.1	365.7
+50			3.4	365.4
+30			6.1	362.7
56			8.6	360.2
55+97	Wash		9.3	359.5
55 +96			8 8	360.0
		368.80		

+8~		3.4	377.2
+50	wash	4.6	376.0
+44		4.6	376.0
+41		3.3	377.3
+33		2.0	378.6
60		2.8	377.8
+52		6.9	373.7
+45	wash	8.0	372.6
+40		7.3	373.3
+32.92	Δ 30°30'Rt	7.7	372.9
59		8.4	372.2
+69		10.3	370.3
+64	wash	12.0	368.6
+50		9.3	371.3
+38		8.7	371.9
58		10.8	369.6
		380.5C	

+73			3.2	388.7
+50			5.4	386.5
C2			7.5	383.4
+48			10.1	381.8
+42			11.1	380.8
+38			12.5	379.4
+33	Wash		12.9	379.0
+29			11.0	380.9
C1 +27.91	△ 21°24'R.		10.1	381.8
T.P.	11.80	391.89	0.47	380.09
C1			0.2	380.4
+97			0.7	379.9
		380.56		

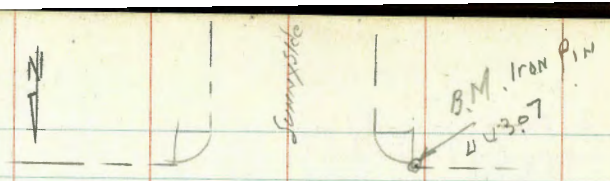
C4 +54.13	△ 20°11'30"L	7.5	396.4
+32		9.4	394.5
+30		10.7	393.2
+28		11.0	392.9
+25 Wash		11.9	392.0
+24		11.4	392.5
+23		8.8	395.1
+19		6.8	397.1
C4		7.0	396.9
+87		7.3	396.6
+50		10.5	393.4
T.P.	12.77 403.86	0.80	391.09
A2		0.8	391.1
A1		3.5	388.4
C3		3.1	388.8
	391.89		

+40			4.9	410.4
+35			4.1	411.2
+21			4.8	410.5
CC			7.2	408.1
+75			9.0	406.3
T.P.	12:00	415.25	0.61	403.25
+50			2.1	401.8
+43	out		3.8	400.1
+38	wash		5.9	398.0
+18	wash		6.3	397.6
+15			5.1	398.8
C5			4.7	399.2
CC+76			4.5	399.4
		403.86		

+97	wash		11.5	414.5
+92			10.4	415.6
+81			9.5	416.5
TP	11:37	426.04	0.58	414.67
+62			0.8	414.5
+50			1.5	413.8
+28			2.1	413.2
+27			4.5	410.8
+22			5.4	409.9
+18			3.0	412.0
C7			1.5	413.8
+92			2.3	413.0
+74			5.6	409.7
+54			7.5	407.8
+50			9.6	405.7
+49	wash		9.6	405.7
CC+43			6.0	409.3
		415.25		

+29		0.9	425.1
70		2.C	423.4
+74		3.2	422.8
+50		2.0	424.0
C.9		2.C	418.9
+98		7.4	418.6
+95	wash	9.0	417.0
+80		7.5	418.5
+C7		5.4	420.6
+50		C.C	419.4
C.8+24C8	Δ=21° 47' Rt	8.8	417.2
C.8		10.9	415.1
		42C.0Y	

+50		2.2	433.9
+42		2.4	433.7
+31		5.0	430.1
72		C.9	429.2
+7C		9.2	426.9
+53	wash	9.5	426.6
+48		7.8	428.3
+40		7.4	428.7
+18		9.0	427.1
+12		10.1	426.0
+10		11.0	425.1
71	wash	11.0	425.1
+99		11.1	425.0
+98		10.0	426.1
70+70		9.0	425.1
T.P.	117	436.12	12C	422.42
70+50		0.7	425.3
		426.0Y	

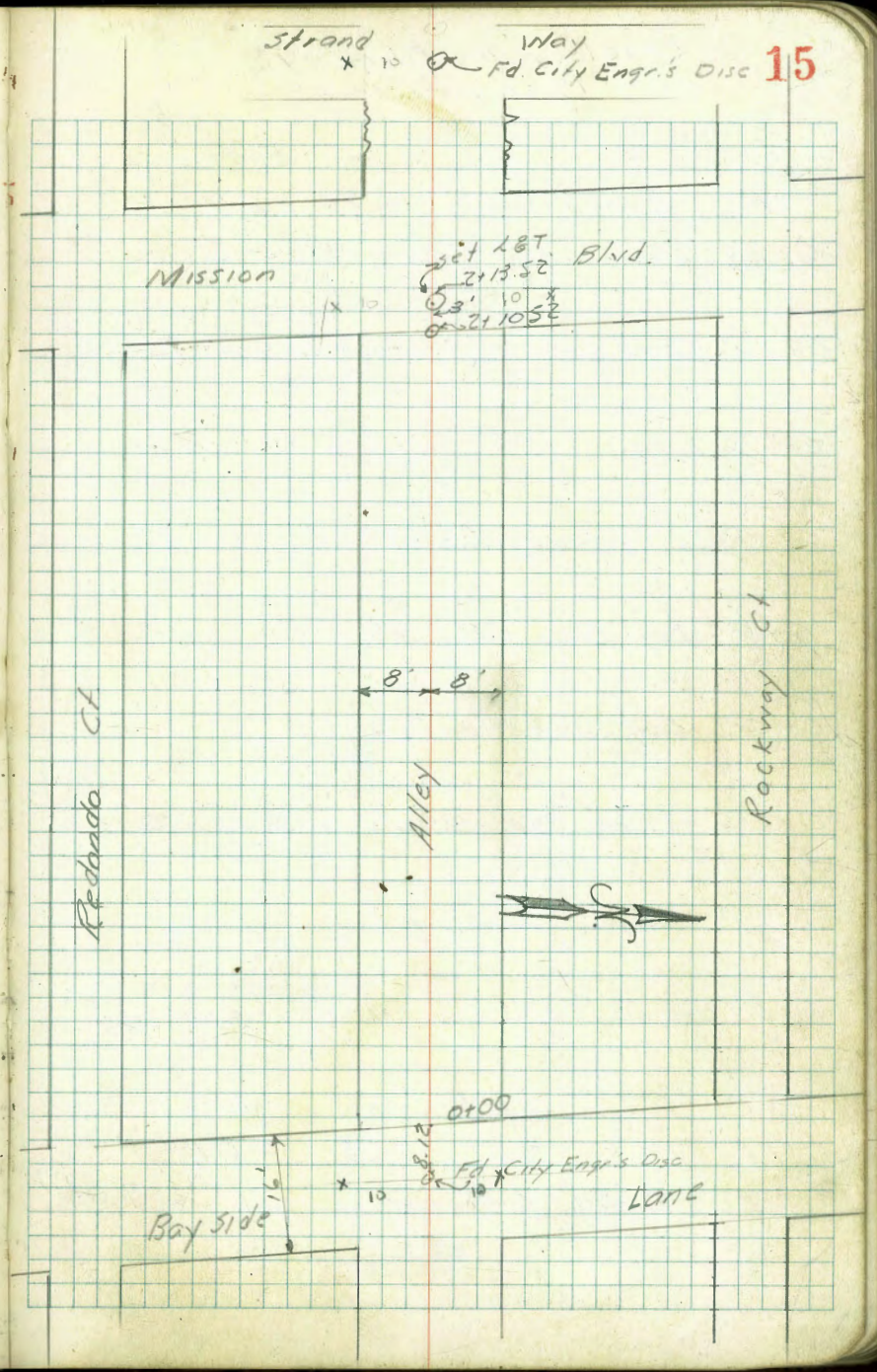


Set B.M. Iron Pin P.T. SW Cor. San Vicente St + Sunnyside	2.7	443.07	
73 + 45.05 end Jog	4.4 on ground	441.6	442.0
+08 Shoulder Fill	5.0	441.0	
73	8.4	437.4	
T.P. 11.66	4.4 Cor	1.7 x	x 3 v. 38
+95 toe Fill	1.4	434.7	
+91	1.0	435.1	
+87	2.2	433.9	
72 + 58	3.2	432.9	

436.12

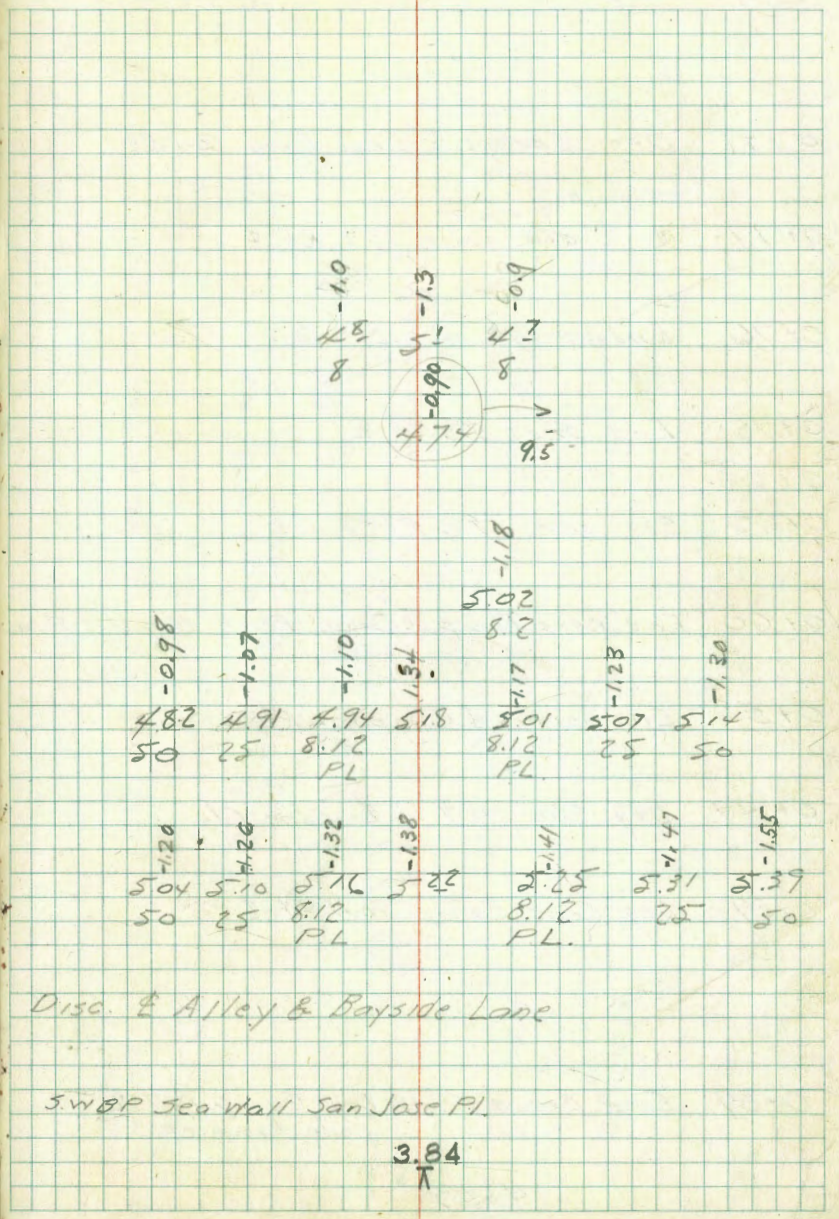
July 14, 1947
Hendricks
W Moore
Sherman
WO# 25001

X Sect's Alley Block 192
Mission Beach



Levels Alley Block 192
Mission Beach

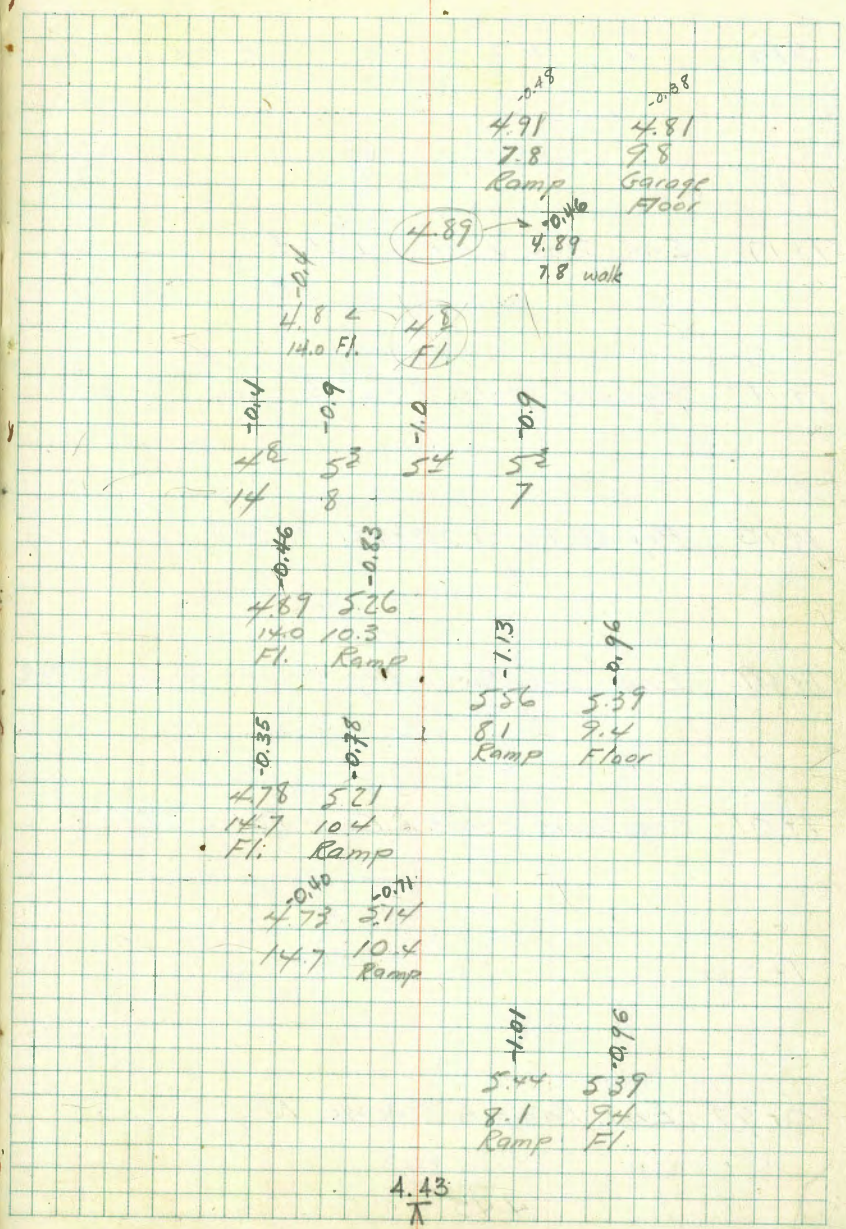
Sta	+	H.I.	−	Elev.	B.M.
TP.	5.14	4.43 ✓	4.55	-0.71	
0+39	End Frame House 10.0 Lt. ℄				
0+30	End garage Start Board Fence 9.5 Rt ℄				
0+10					
0+08	Beg. garage 9.5 Rt ℄ Conc Fl.				
0+02	Beg House on Lt 9.9 Lt ℄				
0+00	Beg Conc Ramp 8.2 Rt ℄				
0+00	W Line Bayside Lane Taken on Diagonal				
0-8.12	℄ Bayside Lane Taken on Diagonal				
T.P.	5.22	3.84 ✓	4.89	-1.38	
T.P.	3.61	3.51	7.58	-0.10	
B.M.	0+40	7.48			7.08



Levels Alley Block 192
Mission Beach Cont'd

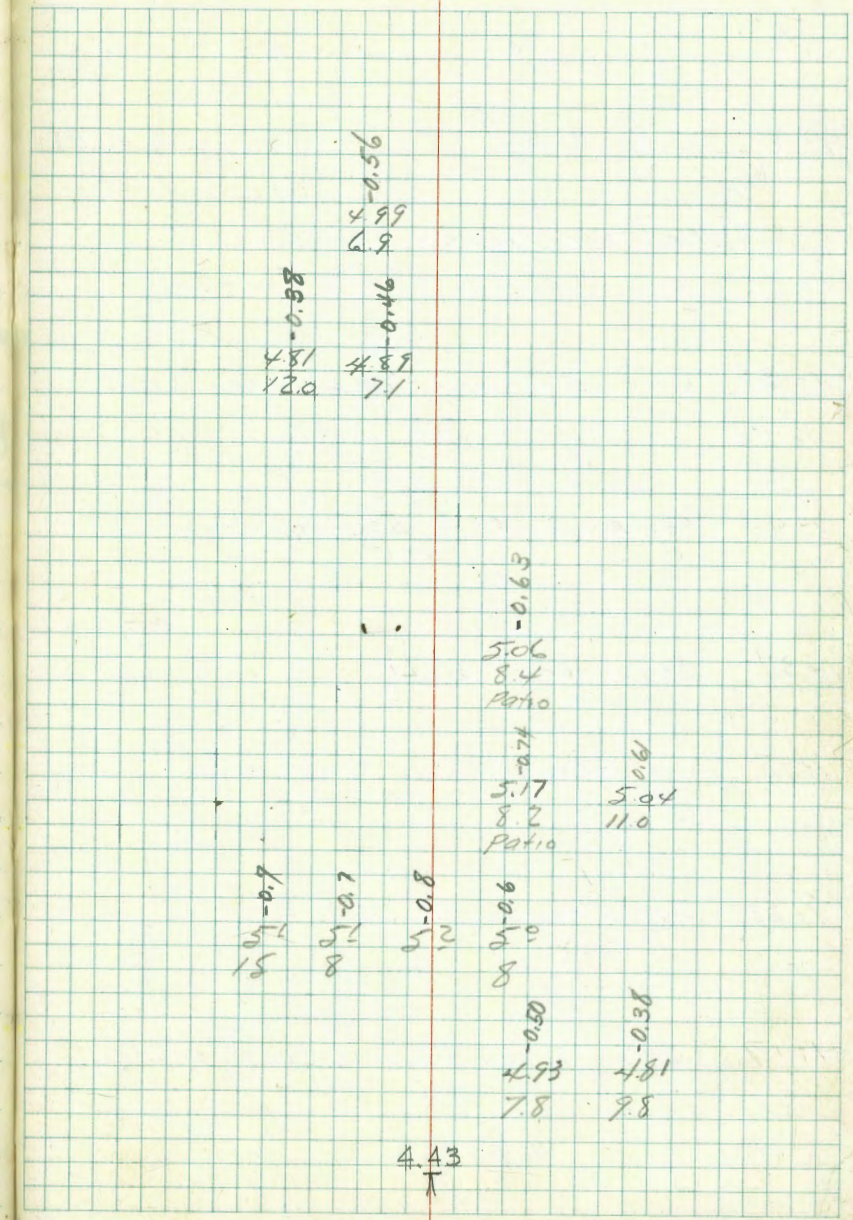
Sta.	+	H I	−	Elev	B.M.
0+78	Beg Garage & Conc Ramp on Rt.				
0+77	℄ 2' Conc. Walk 7.8 Rt ℄				
0+76	End garage 14.0 Lt Dirt Floor				
0+75	End Shed 7.8 Rt ℄				
0+65					
0+63	Beg Shed 7.6 Rt. ℄				
0+60	End Conc Ramp & Conc. Floor Beg Dirt Fl. gar.				
0+55	End garage & Ramp on Rt.				
0+44	Beg Gar. 14.7 Lt. ℄ Conc. Fl.				
0+39	Beg Conc. Ramp 10.4 Lt ℄				
0+39	End Board Fence Beg. Gar. 9 x Rt ℄ Conc. Ramp & Fl.				

4.43



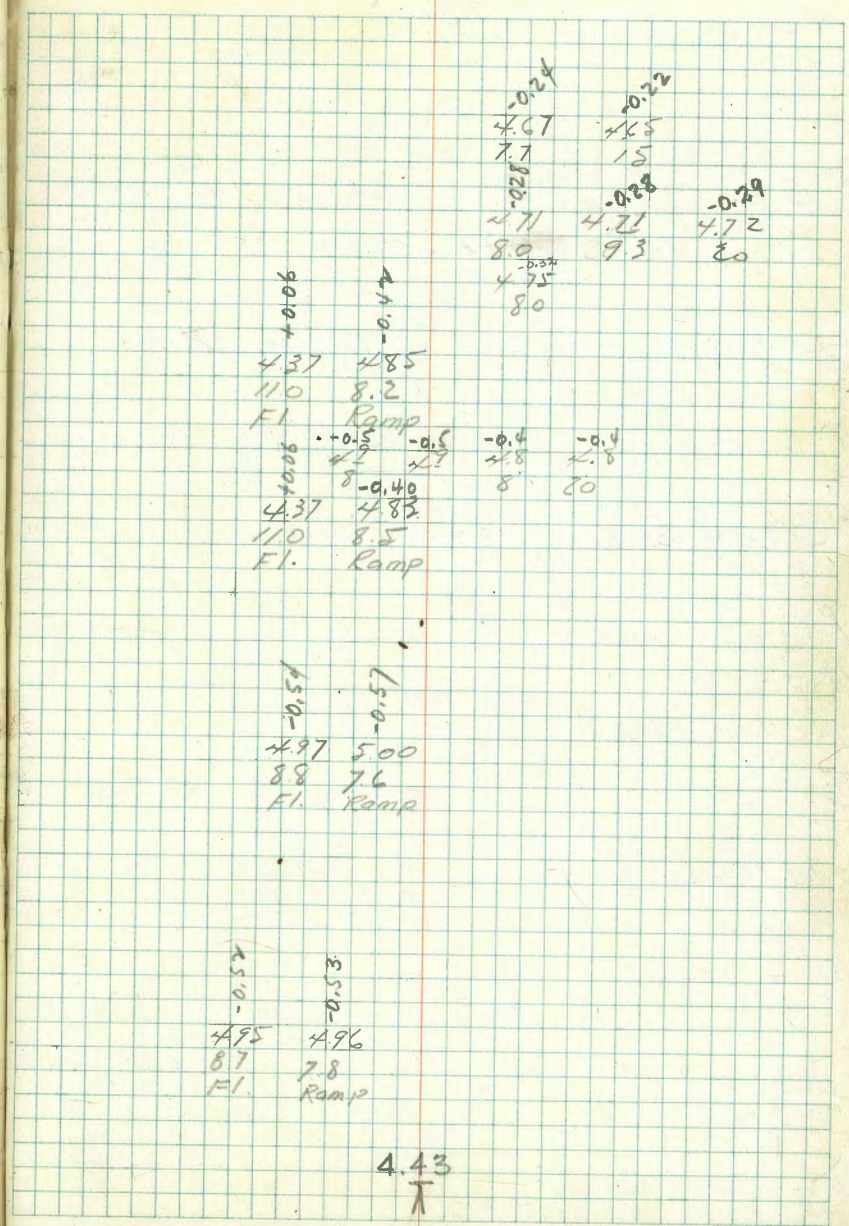
Levels Block 192 (Alley)
Mission Beach Contd.

Sta.	+	H.I	−	Elev.	BM
1+17	End Conc. Walk 6.9 Lt. ℄				
1+11	Beg Conc. Walk 7.1 Lt. ℄				
1+10	Power Pole SDG&E PA 818				
1+09	End Conc. Patio Beg Frame House 8.4 Rt. ℄				
1+01	Beg. Board Fence & Conc. Patio 8.2 Rt ℄				
1+00					
0+97	End Ramp & Garage Rt.				
		4.43			



Levels Alley Block 192
Mission Beach Contd.

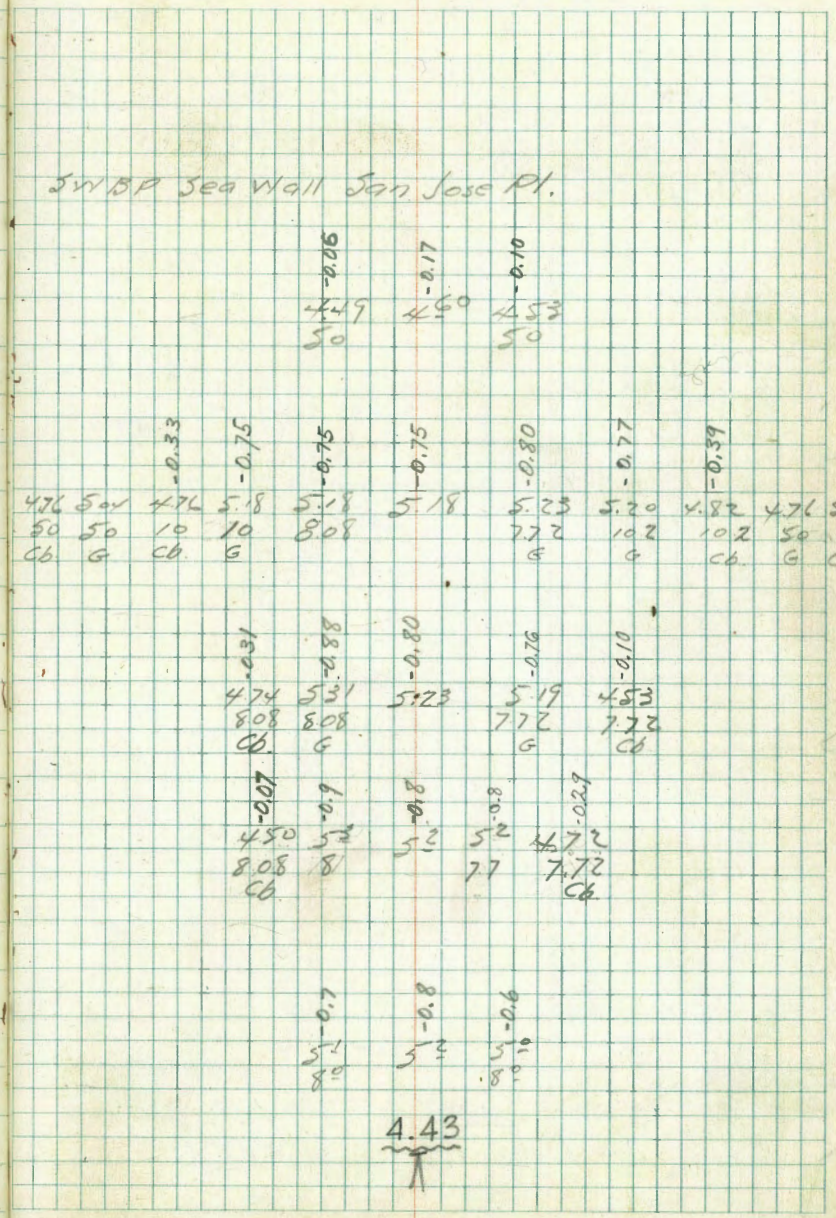
Sta.	+	H.I.	−	Elev.
1+81	End Asphalt Slab Beg. Brick Bldg. 7.7 Rt.			
1+62	Beg Asphalt Slab 9.3 Rt ℄			
1+51	Beg conc walk 8.0 Rt ℄ 1.5 Wide			
1+55	End Entrance to Laundry on Lt			
1+50				
1+44	Beg Entrance to Laundry on Lt.			
1+35	Beg. Laundry 8.8 Lt.			
1+35	End Garage & Conc Ramp on Lt.			
1+23	End Frame House 8.0 Rt. ℄			
1+17	Beg Garage & Conc Ramp. on Lt			
		4.43		



Levels Alley Block 192
Mission Beach Contd

Sta.	+	H.I	−	Elev	B.M
B.M			1.42	7.11	7.08
TP	8.16	18.53	4.06	0.37	
2+48.4	on East Edge of Parking Strip. Mission Blvd.				
2+20.4	Ch Line Mission Blvd.				
2+11.20	Beg. Conc. Paving.				
2+10.52	PL				
TP	5.25	4.43	5.25	−0.82	
2+00					
		4.43			

SW BP Sea Wall San Jose Pl.



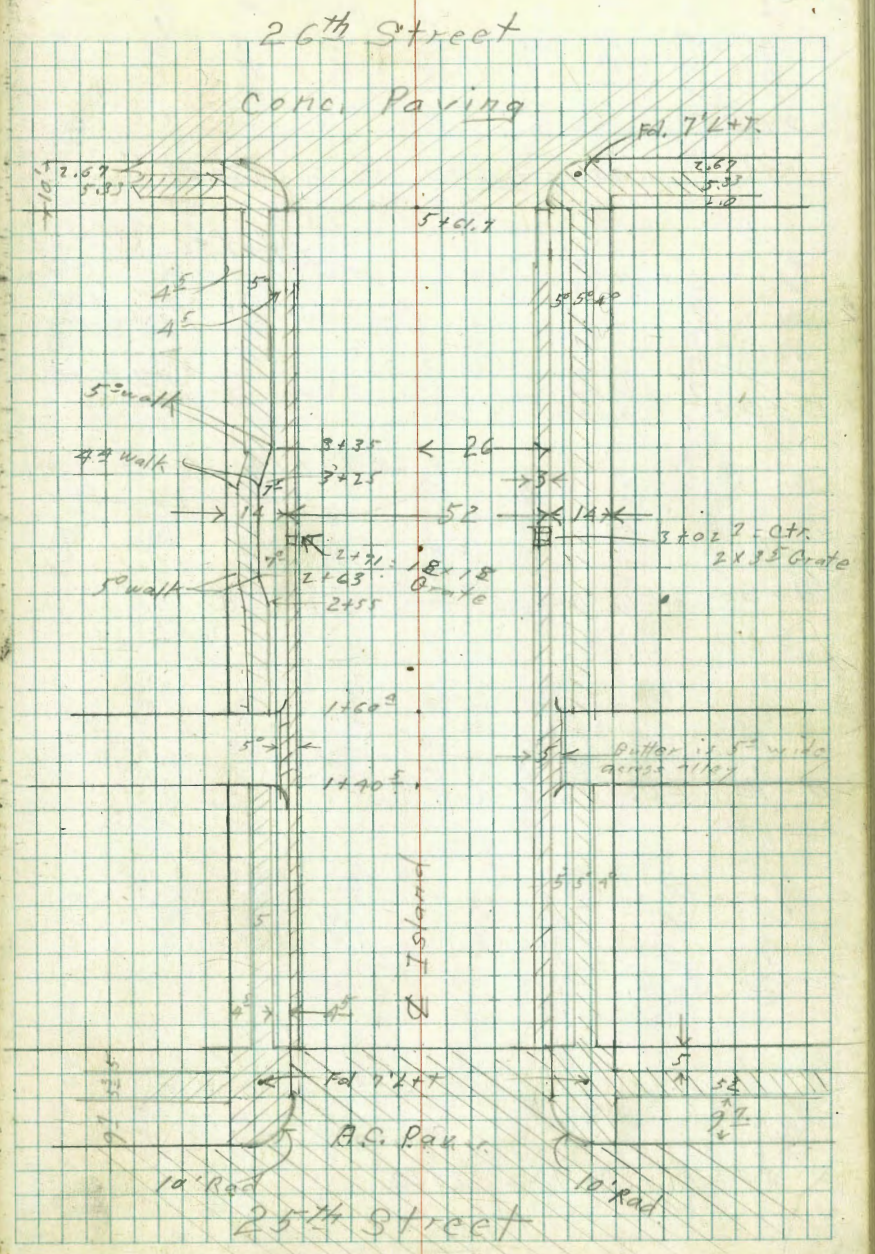
X-Section Island 25th to 26th 7-30-47

W.O. # 31183.

Sommermeyer
W Moore
Sherman
Lamore

N.E.B.P. 25th & Island	8.96	139.63	—	130.67

indexed
C.S.K.



0+25

T.P. 1.40 132.07 8.96 130.67

Note

13' Lt. + Rt. = Roadway 1/4

23' " " " = Edge of 3' Conc gutter

26' Lt + Rt. = Curb lines

0+00 ⊥ start Conc. gutter

0+00 = Ely. line 25th

0-10 = EC, Curb Ret.

0-20 Cont.

0-20 = Ely. Cb. line 25th

139.63

13' = 1/4 ⊕ 13' = 1/4

129.67	128.89	128.93	129.37	129.17	128.27	127.19	127.00	127.57					
2.40 / 26 / BC.	3.18 / 26	3.14 / 23	2.7 / 13	2.9	3.8 / 13	4.88 / 23	5.07 / 26	4.50 / 26 / BC.					
				132.07									
130.64	129.90	129.88			128.42		128.38	128.61					
8.99 / 26 / BC.	9.73 / 26 / Gut	9.75 / 23			11.21 / 23 / Edge gut		11.25 / 26 / Gut	11.02 / 26 / BC.					
130.66	129.93	129.94	129.74	129.61	128.93	128.51	128.45	128.62					
8.97 / 26 / BC.	9.70 / 26 / Gut	9.69 / 23 / on Pav.	8.89 / 13 / Pav.	10.02	10.70 / 13 / Pav.	11.42 / 23 / on pav.	11.18 / 26 / gut.	11.01 / 26 / BC.					
130.63	129.88	129.99	129.41	128.92	128.34	128.63							
9.00 / 26 / Top. BC.	9.75 / 26 / Gut	9.87 / 13	10.22	10.71 / 13	11.29 / 26 / Gut	11.00 / 26 / Top BC.							
139.37	138.69	130.65	129.99	127.25	128.59	119.91	119.91						
0.76 / 140 / Top Cb.	0.74 / 140 / Gut	8.78 / 40 / Top Cb.	7.64 / 40 / Gut	11.88 / 40 / Gut.	11.04 / 40 / Top Cb.	20.22 / 140 / Gut	19.72 / 140 / Curb						
130.62	129.80	129.76	129.54	139.15	128.77	128.29	127.88	128.57					
9.01 / 36 / Top Cb. B.C.	9.73 / 36 / Gut	9.87 / 26	10.09 / 13	10.48	10.86 / 13	11.32 / 26	11.75 / 36 / Gut	11.06 / 36 / Top Cb. B.C.					

139.63

T.P. Nail in Pole # 2519 28' Rt 1+38	1.74	120.80	13.01	119.06
1+00				
0+74 ± End drive - start curb.				
0+64				
0+59				
0+57 ± End Curb - start drive				
0+54				
		132.07		

Lt.		℄		Rt.
122.81	122.17	122.12	122.57	122.47
9.26 / 26 Cu.	9.90 / 26	9.95 / 23	9.5 / 13	9.6
126.12		125.38	125.36	
5.95 / 26 Top Cu.		6.69 / 26	6.71 / 23	
126.74	126.67	126.71	126.87	126.37
5.33 / 26 Drive	5.40 / 26	5.31 / 23	5.2 / 13	5.7
127.43	127.24	127.34	127.27	126.87
4.64 / 26 Drive	4.83 / 26	4.73 / 23	4.8 / 13	5.2
				127.27
3.99 / 26 Cu.	4.75 / 26 Curb	4.66 / 23		
128.27	127.48	127.55	127.77	
3.80 / 26 Cu.	4.59 / 26	4.54 / 23	4.3 / 13	4.8

Lt.		℄		Rt.
121.37	120.32	120.22	120.85	
10.7 / 13	11.73 / 23	11.85 / 26	11.22 / 26 Curb	
125.47	124.91	124.80	125.43	
6.6 / 13	7.16 / 23	7.27 / 26	6.64 / 26 Cu.	
125.97	125.48	125.34	125.92	
6.1 / 13	6.57 / 23	6.73 / 26	6.11 / 26 Cu.	
126.37	125.71	125.21	126.21	
5.7 / 13	6.31 / 23	6.46 / 26	5.86 / 26	

132.07

Station	Notes	Lt.				℄				Rt.	
+50^E	Cont	+ 4.1 / 140	+0.8 / 80	4.2 / 40 116.60	4.8 / 36 116.00		7.6 / 40 113.20	10.3 / 65 110.50	11.9 / 90 108.90	13.9 / 140 106.90	
1+50^E	Aprox. ℄ of. N.+S. Alley	5.14 / 28 115.66	5.29 / 26 115.51	5.18 / 23 115.62	4.9 / 13 115.90	4.9 115.90	6.1 / 13 114.70	6.95 / 23 113.85	7.11 / 26 113.69	6.86 / 28 113.94	7.1 / 34 113.70
+40^E	Cont. 28' Rt = Back edge conc. Gutter	2.75 / 40 Top cb 118.05	3.3 / 40 Grd 117.50	3.08 / 28 Top Cb 117.72			5.63 / 28 Gutt 115.17	5.09 Top Cb 115.71	5.3 / 40 Grd 115.50	4.81 / 40 Grd cb 115.99	
1+40^E	28 Lt.: Back edge con. gutter. Face Wly. Alley curb.	3.91 / 28 116.89	4.01 / 26 gutter 116.79	3.82 / 23 116.98	3.6 / 13 117.20	3.5 117.30	4.6 / 13 116.20	5.67 / 23 115.13	5.86 / 26 Wly gutter 114.94		
1+38^E	Alley Ret. B.C.	2.88 / 26 117.92	3.52 / 26 117.28	3.54 / 23 117.26				5.40 / 23	5.59 / 26 115.21	4.93 / 26 cb 115.87	
1+20		0.58 / 26 Cb 120.22	1.26 / 26 119.54	1.26 / 23 119.54	0.9 / 13 119.90	0.9 119.90	1.9 / 13 118.90	3.11 / 23 117.69	3.23 / 26 117.57	2.53 / 26 Cb 118.27	

120.80

120.80

Station					Lt.			℄		Rt.		
2+00					110.05 (2.33 / 26 cl.)	109.31 (3.07 / 26)	109.41 (2.97 / 23)	109.68 (2.7 / 13)	109.68 (2.7)	108.68 (3.7 / 13)	107.64 (4.74 / 23)	107.44 (4.94 / 26)	108.08 (4.30 / 26 cl.)
1+90					111.32 (1.06 / 26 cl.)	110.51 (1.87 / 26)	110.54 (1.84 / 23)	110.98 (1.4 / 13)	110.88 (1.5)	109.88 (2.5 / 13)	108.96 (3.42 / 23)	108.71 (3.67 / 26)	109.35 (3.03 / 26 cl.)
T.P.	3.91	112.38	12.33	108.47					112.38				
1+62±	E.C. Alley Ret.				Curb E.C.	114.81 (5.97 / 26)	114.06 (6.74 / 26)	114.10 (6.70 / 23)		112.33 (8.47 / 23)		112.17 (8.63 / 26)	112.77 (8.03 / 26 Curb EC)
+60±	Cont.			1.03 / 62 Top wall	118.33 (2.47 / 42 Top wall)	117.33 (3.47 / 40.1 Top wall)	116.22 (4.58 / 40 top wall + dirt)	115.46 (5.34 / 40 Top curb)					
1+60±	Cont. 36.5 Lt. = Start N+S. Conc. Ret. Wall built on top of alley curb (6" wide)				115.48 (5.32 / 36.5 Top wall)	115.33 (5.47 / 36.5 Curb)	115.10 (5.7 / 29 Grd.)	115.05 (5.75 / 28 top ol.)		113.08 (7.72 / 28 Top ol.)	112.90 (7.9 / 40 Grd.)	113.20 (7.60 / 40 End ol.)	
1+60±	Face Ely. Curb of N+S. Alley				114.41 (6.39 / 28)	114.24 (6.56 / 26 Gutter)	114.36 (6.44 / 23)	114.60 (6.2 / 13)	114.60 (6.2)	113.60 (7.2 / 13)	112.56 (8.24 / 23)	112.42 (8.38 / 26 Gutter)	112.65 (8.15 / 28)
	120.80								120.80				

2+91 Cont.

2+91 { 25' Lt. = Ctr. 1'8"x1'8" Grate
26' Rt. = Start curb inlet.

2+86

2+80

2+60

2+40

2+10

	Lt.	℄	Rt.
			104.16
			8.22 / 26
	103.83		
	8.55 / 26 dc	9.59 / 26	9.21 / 23
2+91	103.82	102.79	103.17
	8.52 / 26 dc	9.19 / 26	8.97 / 23
2+86	105.14	104.39	104.49
	7.30 / 26 dc	7.97 / 26	7.87 / 23
2+80	105.86	105.07	105.13
	6.52 / 26 dc	7.31 / 26	7.25 / 23
2+60	106.52	105.82	105.88
	5.82 / 26 dc	6.56 / 26	6.50 / 23
2+40	109.11	108.36	108.42
	3.27 / 26 dc.	4.07 / 26	3.96 / 23
2+10			

	Lt.	℄	Rt.
			104.97
			9.41 / 26 dc
	103.88		
	8.5 / 13	8.0	7.8 / 13
2+91	104.78	104.38	104.58
	7.6 / 13	7.8	8.4 / 13
2+86	105.18	104.58	103.98
	7.2 / 13	7.5	7.8 / 13
2+80	106.18	105.88	105.48
	6.2 / 13	6.5	6.9 / 13
2+60	108.68	108.98	107.48
	3.7 / 13	3.9	4.7 / 13
2+40			
2+10			

	Lt.	℄	Rt.
			104.36
			8.02 / 23
	104.32		
	8.02 / 23	8.0	8.89 / 23
2+91	104.49	104.58	103.49
	8.89 / 23	7.8	8.89 / 23
2+86	104.40	104.88	104.10
	8.38 / 23	7.5	8.38 / 23
2+80	104.65	105.88	104.65
	7.73 / 23	6.5	7.73 / 23
2+60	106.83	108.98	107.65
	5.55 / 23	3.9	5.55 / 23
2+40			
2+10			

	Lt.	℄	Rt.
			104.23
			8.15 / 25
	104.23		
	8.15 / 25	10.15 / 25 Ft. c'ward flat to east	
2+91	103.28	102.23	
	9.10 / 26		
2+86	103.78	102.23	
	8.60 / 26		
2+80	104.42	103.23	
	7.92 / 24		
2+60	106.66	105.23	
	7.92 / 24		
2+40	107.30	105.12	
	5.08 / 22 dc.		
2+10			

~~120.80~~
112.38

~~120.80~~
112.38

Lt.	℄	Rt.
3+60		
3+40		
3+20		
3+08		
+02.3	Cont.	
3+02.1	℄ Grate 25' Rt.	24" N.C.P.S. Culvert Thru Box.

Lt.	℄	Rt.
106.54		
5.81 / 26		6.52 / 26
105.73		105.86
6.65 / 26 CC		7.46 / 26
105.15		104.39
7.23 / 26 CC		8.99 / 26
104.92		104.19
7.96 / 26 CC		8.19 / 26

Lt.	℄	Rt.
105.91		
6.47 / 23		Hooker Car-off Point
104.45		104.72
8.93 / 23		8.15 / 23
104.23		

Lt.	℄	Rt.
106.88		
5.5 / 13		5.2
105.38		105.68
6.6 / 13		6.5
104.88		104.98
7.5 / 13		7.4
104.58		104.58
7.8		7.8

Lt.	℄	Rt.
107.18		
6.4 / 13		7.32 / 23
106.18		105.06
7.2 / 13		8.20 / 23
105.18		104.18
8.2 / 13		8.92 / 23
104.68		103.46
8.3 / 13		9.51 / 26
104.08		102.86

Lt.	℄	Rt.
104.63		
7.55 / 26		6.99 / 26 CC
104.01		104.68
8.37 / 26		7.70 / 26 CC
103.23		103.32
9.15 / 26		9.96 / 26 CC
103.24		103.86
9.14 / 26		8.52 / 26 CC
103.64		
8.54 / 26 CC		

Lt.	℄	Rt.
102.75		
9.63 / 23		9.57 / 25 Top Plate
102.81		97.16
15.22 / 25 F.L. Box		

~~+20.80~~ / 112.38

~~+20.80~~ / 112.38

T.R.	12.35	135.68	0.04	123.33
4+50				
4+25				
4+11				
T.R.	12.78	123.37	1.79	110.59
4+00				
3+90				
3+80				

112.38
120.80

Lt. ℄ Rt.

121.08
2.19 / 26 cl.
116.24
7.13 / 26 cl.
113.55
7.82 / 26 cl.
111.27
9.74 / 26 cl.
110.23
2.15 / 26 cl.
108.91
3.47 / 26 cl.

120.31
3.05 / 26
115.52
7.85 / 26
112.85
10.52 / 26
110.85
1.53 / 26
109.13
2.95 / 26
108.16
4.22 / 26

120.40
2.97 / 23
115.46
7.91 / 23
112.89
10.48 / 23
110.83
1.55 / 23
109.51
2.87 / 23
108.19
4.19 / 23

120.17
3.2 / 13
115.57
7.8 / 13
113.17
10.2 / 13
111.58
0.8 / 13
109.98
2.4 / 13
108.88
3.5 / 13

119.77
3.6
115.47
7.9
112.97
10.4
111.28
1.1
109.78
2.6
108.78
3.6

112.38
120.80

119.17
4.2 / 13
114.37
9.0 / 13
111.77
11.6 / 13
110.08
2.3 / 13
108.78
3.6 / 13
107.98
4.1 / 13

118.76
4.61 / 23
113.51
8.86 / 23
110.71
12.66 / 23
109.04
3.34 / 23
107.73
4.65 / 23
106.99
5.37 / 23

118.73
4.74 / 26
113.38
9.99 / 26
110.58
12.79 / 26
108.86
3.52 / 26
107.55
4.83 / 26
106.72
5.66 / 26

117.33
4.01 / 26 cl.
114.08
7.29 / 26 cl.
111.20
12.17 / 26 cl.
109.53
2.85 / 26 cl.
108.21
4.17 / 26 cl.
107.37
5.01 / 26 cl.

5+61 ±	W. Line 26 ft Start Conc. Paving.			
5+50				
5+40				
5+25				
T.P.	11.90	147.35	0.23	135.45
5+00				
4+75				
		135.68		

Lt.		℄		Rt.
126.11	125.43	125.57	125.38	125.38
9.52 / 26 ct.	10.25 / 26	10.11 / 23	10.3 / 13	10.3
131.32	130.45	130.48	131.18	131.28
4.47 / 26 ct.	5.23 / 26	5.20 / 23	4.5 / 13	4.4
136.28	135.54	135.64	136.65	137.45
11.07 / 26 ct.	11.81 / 26	11.71 / 23	10.7 / 13	9.9
139.28	138.53	138.55	140.25	140.95
8.07 / 26 ct.	8.82 / 26	8.80 / 23	7.1 / 13	6.4
141.27	140.53	140.61	141.75	142.15
6.08 / 26 ct.	6.82 / 26	6.74 / 23	5.6 / 13	5.2
143.71	143.03	143.04	143.24	143.28
3.64 / 26 ct.	4.32 / 26	4.31 / 23	4.09 / 13	4.07

147.35

Lt.		℄		Rt.
124.58	124.20	129.35	129.18	123.90
11.1 / 13	11.48 / 23	6.33 / 23	6.50 / 26	11.78 / 26
130.38	134.52	137.76	137.62	137.48
5.3 / 13	12.79 / 23	8.59 / 23	9.73 / 26	9.07 / 26 ct.
135.95	136.95	139.75	139.80	141.45
11.4 / 13	12.79 / 23	7.6 / 13	7.55 / 23	5.9 / 13
141.45	139.80	139.71	139.74	142.83
5.9 / 13	7.55 / 23	7.59 / 26	6.94 / 26 ct.	4.54 / 13
142.32	142.32	142.27	140.41	142.91
4.79 / 23	5.08 / 26	4.44 / 26 ct.		

135.68

Orig B.M. (Page 21)			6.23	130.64	58. 130.67
T.P.	0.51	136.87	10.79	136.36	
T.P.	2.08	147.15	12.20	145.07	
N.W. B.P. 25th + Market	S. S.	—	0.36	156.91	156.98
T.P.	11.85	157.27	8.57 ~~0.42~~	145.42 ~~153.99~~	
Chisel □ Ctr. T.P. S.W. Ref. 26 + Market	0.42	153.99	1.72	153.57	
T.P.	8.06	155.29	0.12	147.23	

5+91 ℄ 26th

+71 ℄ Cont.

5+71 ℄ W'ly. Curb line 26th

147.35

145.61
1.74 / 40
147.07
0.78 / 140 dc
143.90
3.17 / 36 Ec. Curb Ref.

145.44
1.91 / 26
146.53
0.82 / 140 gutter
143.38
3.97 / 36 Cut

145.22
2.96 / 13
143.92
3.13 / 40 dc.
143.24
4.11 / 26

145.14
2.21
143.45
3.90 / 40 gutter
143.08
4.27 / 13
142.94
4.41

144.95
2.40 / 13
142.43
4.37 / 40 dc
142.68
4.67 / 13

144.83
2.52 / 26
142.95
4.40 / 40 dc
142.53
4.82 / 26

141.14
6.21 / 720
Drive
140 dc
142.93
4.89 / 36

144.69
2.66 / 40
142.95
4.40 / 36 Ch. Ref EC.

147.35

Xsec Wabaska Drive
Macaulay to Capistrano
For Opening

Moore
Begg
Gasca
Roberts
9-8-47

W.O. 90051

Align. Sketch and
Ref. for Property Ties

F.B. 1387-6-8

F.B. 1741-2

20' ± strip Cold Lay Pav.
Located off ℄ on Xsec.

1+50

1+25 23.5 Rt. end Eucals.

1+00

0+75 32 Rt. Beg. of Row of 10 Eucal. Trees
16" to 24" di.

Δ = 40°03'
℄ R = 573.7 L = 6.9900 44 × 573.7 = 401.02

0+00 = B.C. Rt. at Evergreen F.B. 1387
Macaulay

B.M. 3 nails
S.W.P. Pole 6.70' 36.70 30.00
Macaulay
Evergreen
1387-19

Lt	℄	Rt
5.9 / 5.0	36.6	
1.7 / 2.0	31.5	
4.5 / 4.7	32.5	
4.2 / 4.2 Pav.	32.5	
5.0 / 4.5 Pav.	31.7	
	32.2	
	33.2	2.5 / 1.5
	33.3	3.4 / 3.4
	30.2	6.5 / 6.5
	25.0	11.7 / 14
	27.11	9.6 / 19
	27.1	9.6 / 23
	32.1	4.6 / 30
	33.3	3.4 / 30
7.9 / 5.0	28.8	
7.2 / 2.9	29.5	
4.6 / 5.1	31.1	
4.5 / 4.2 Pav.	31.2	
6.0 / Pav.	30.7	
	32.0	
4.7		
	24.0	17.4 / 10
	25.7	11.0 / 17
	26.6	10.1 / 21
	29.6	7.1 / 27
	31.5	5.2 / 25
	32.7	4.0 / 30

℄ C.T.

4 + 01.02 · E.C.

3 + 50

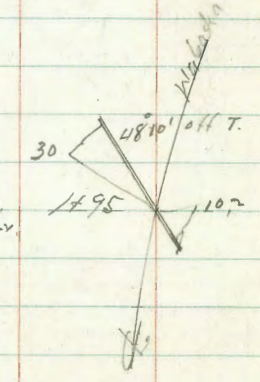
3 + 33 32 Lt. Tel. + P.P. 301400 N

3 + 00

2 + 50

T.P. 8.99 43.06 2.63 34.07

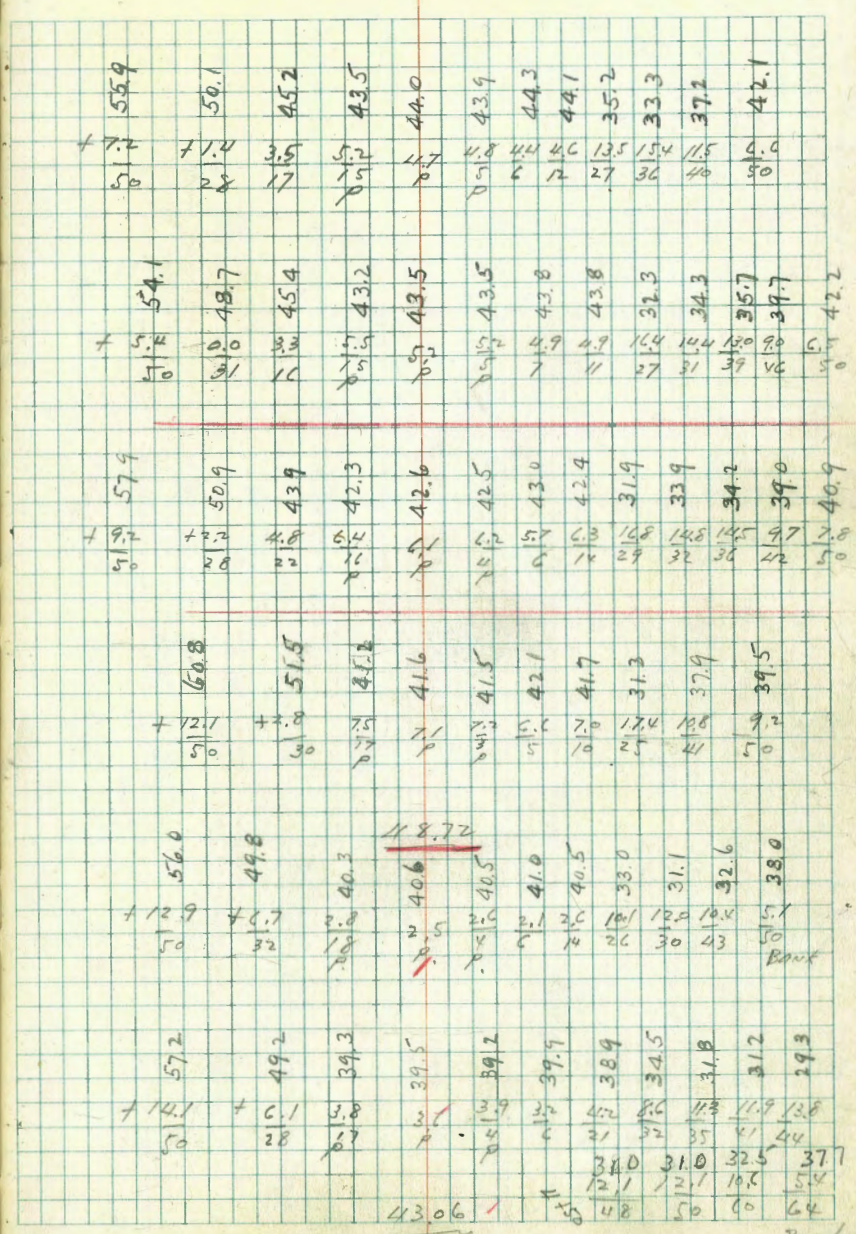
2 + 00



36.70

32

6+66				
6+40				
6+00				
5+50				
T.P.	7.13	48.72	1.47	41.59
5+00				
4+50				
		43.06		



I.P.	6.73	57.33	3.02	50.60
50				
9+00				
50				
T.P.	6.52	53.62	1.62	47.10
8+00				
50				
7+00				

48.72

11+00

+82.72 BC

Δ 10°03'30" Lt

10+82.72 BC Lt R 1432.7

T 126.07

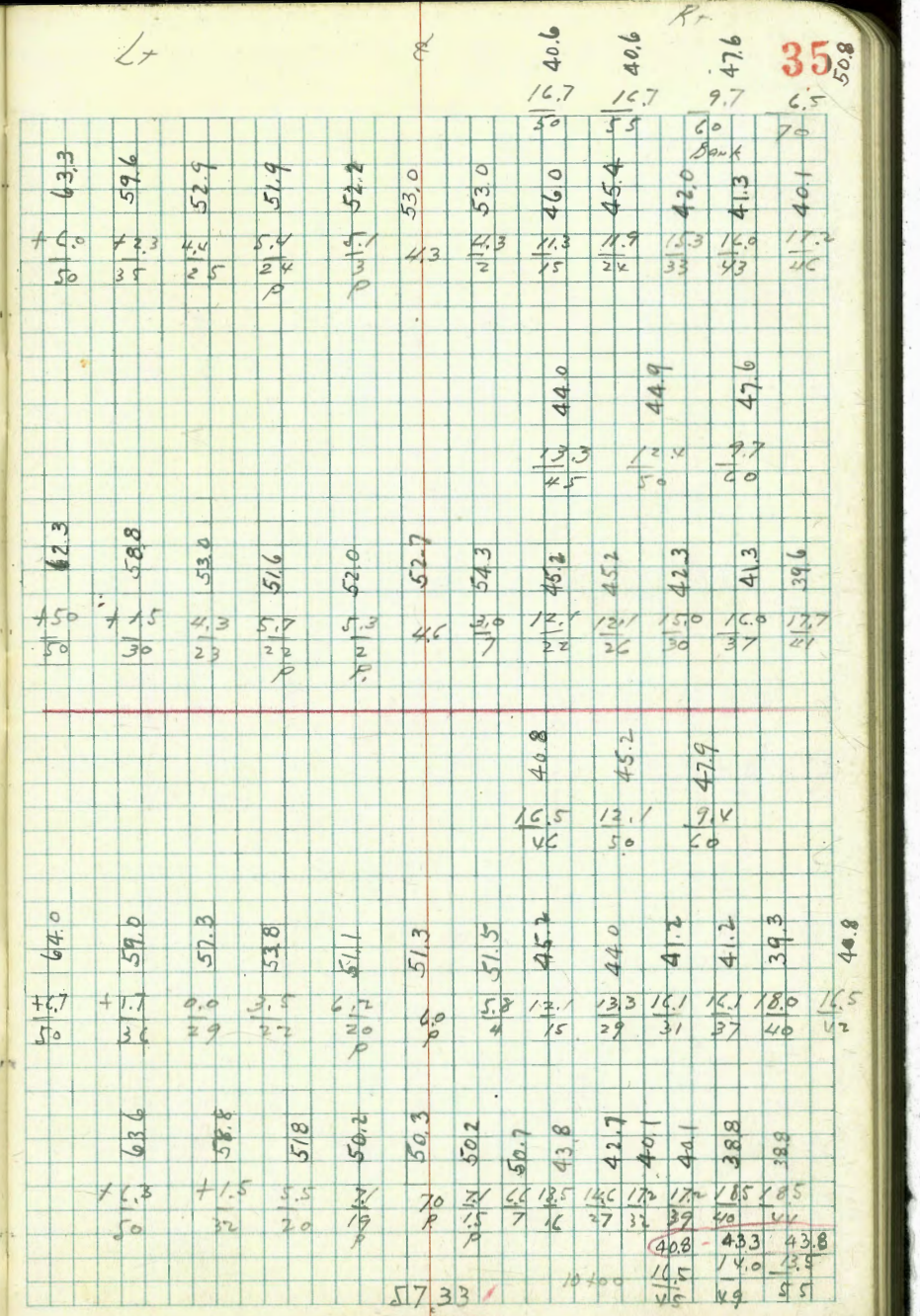
L 251.51

10+50

10+50

10+00

57.33



12 + 00

12 + 00

11 + 50

11 + 50

11 + 20

11 + 20

57.33

66.0
+ 8.7
50

63.6
+ 6.3
50

57.33

13+34.24 E.C.

T.P. 6.46 61.03 2.76 54.57

13+00

13+00

.+50

12+50

12+25

57.33

64.0

+6.7

50

14+35 11.3 Rt P.P. 3530

14+00

14+00

13+77

13+77 16" V.I.P. Pipe culv. approx. 90°
F.B. 1387, see Levels

+50

13+50

13+39 11.5 Rt PP 3518

13+34.24 E.C.

61.03

61.03

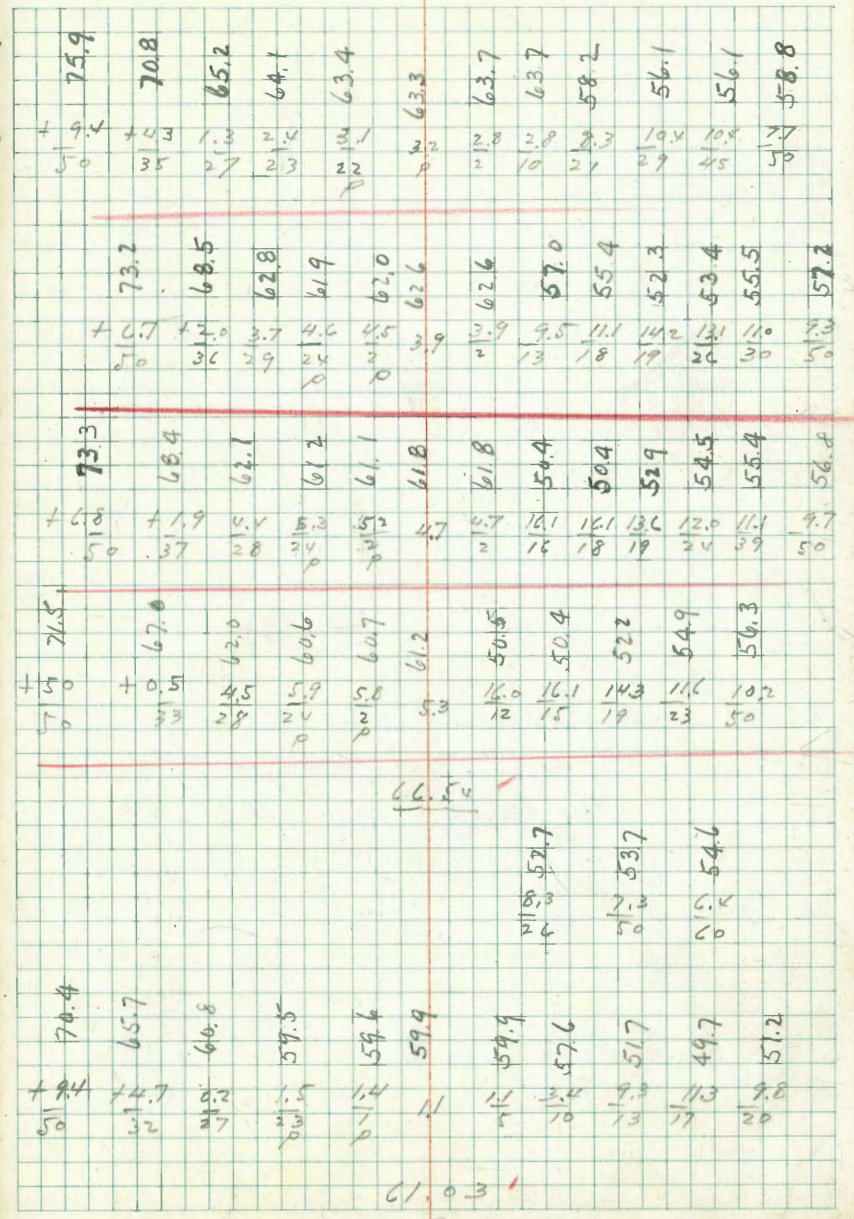
15+57	11 Rt	P.P. #3547	
15+50			
15+50			
15+00			
15+00			
14+50			
14+50			

61.03

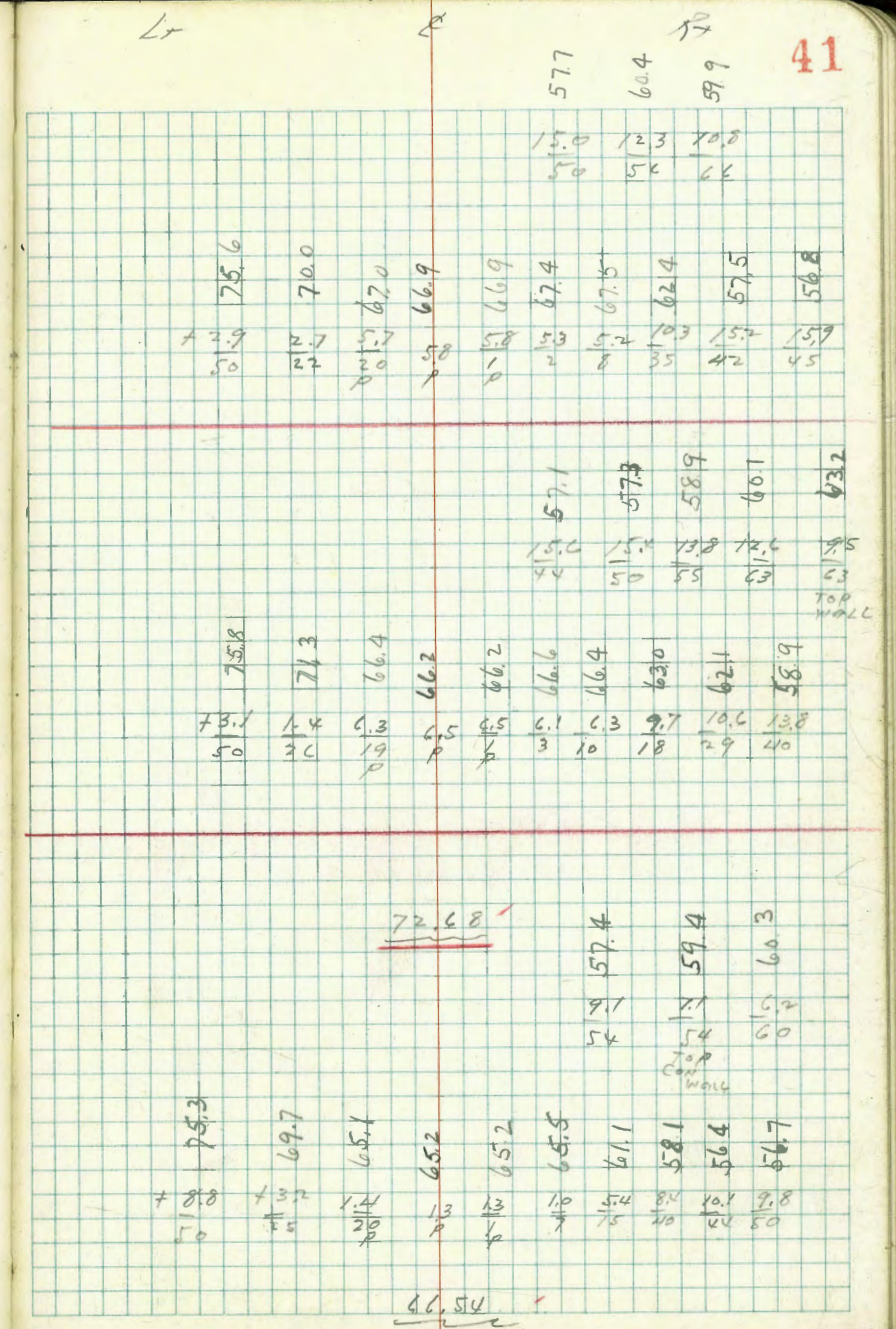
61.03

16+50	T.P.	6.06	66.54	0.55	60.48
16+00					
16+00			61.03		

17 13 Rt PP. #3554



19+39	16 Rt. P.P. #	P 3590		
19				
19				
18+50				
18+50				
18+19	15 Rt. P.P. #	3562		
T.P.	6.48	72.68	0.34	66.20
18+00				
18+00				
		66.54		

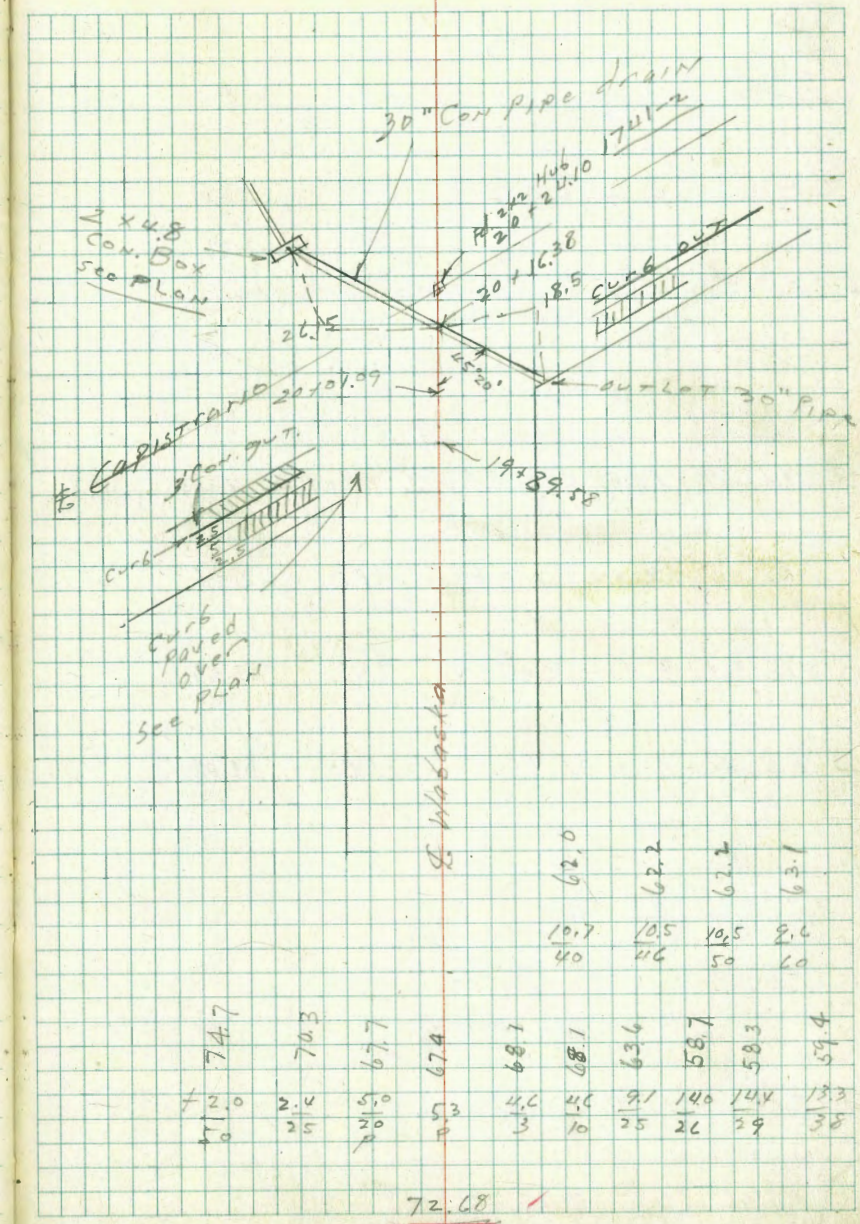


Levels cont'd. next page

19+50

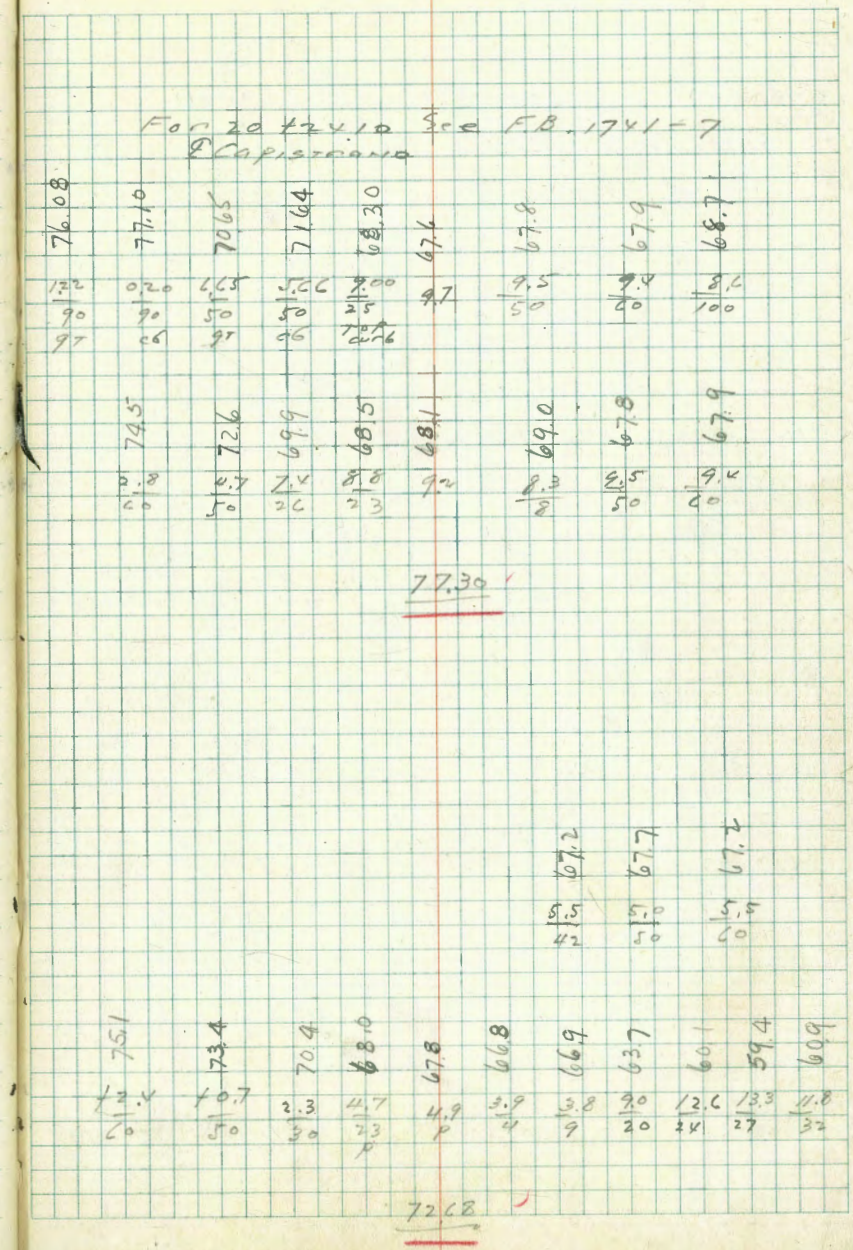
19+50

72.68



Check to BM. B.P. curb SE Pac & Chatsworth F.B. 1387-42		2.36	78.18	78.21 (0.03 Error)
T.P.	L 91	80.54	3.67	73.63
20+01.09 Ely curb Capistrano End Pav.				
19+89.58 Sec. on Ely Capistrano				
T.P.	9.44	77.30	4.82	67.86
F.L. 2 x 4.8 Con. Box			9.15	63.03
F.L. out Lot 30" Con. Pipe			11.60	61.08
19+75				
19+75 Sec. Parallel with Capistrano				
		72.68		

For 20 + 72.10 Sec F.B. 1741 - 7
@ Capistrano



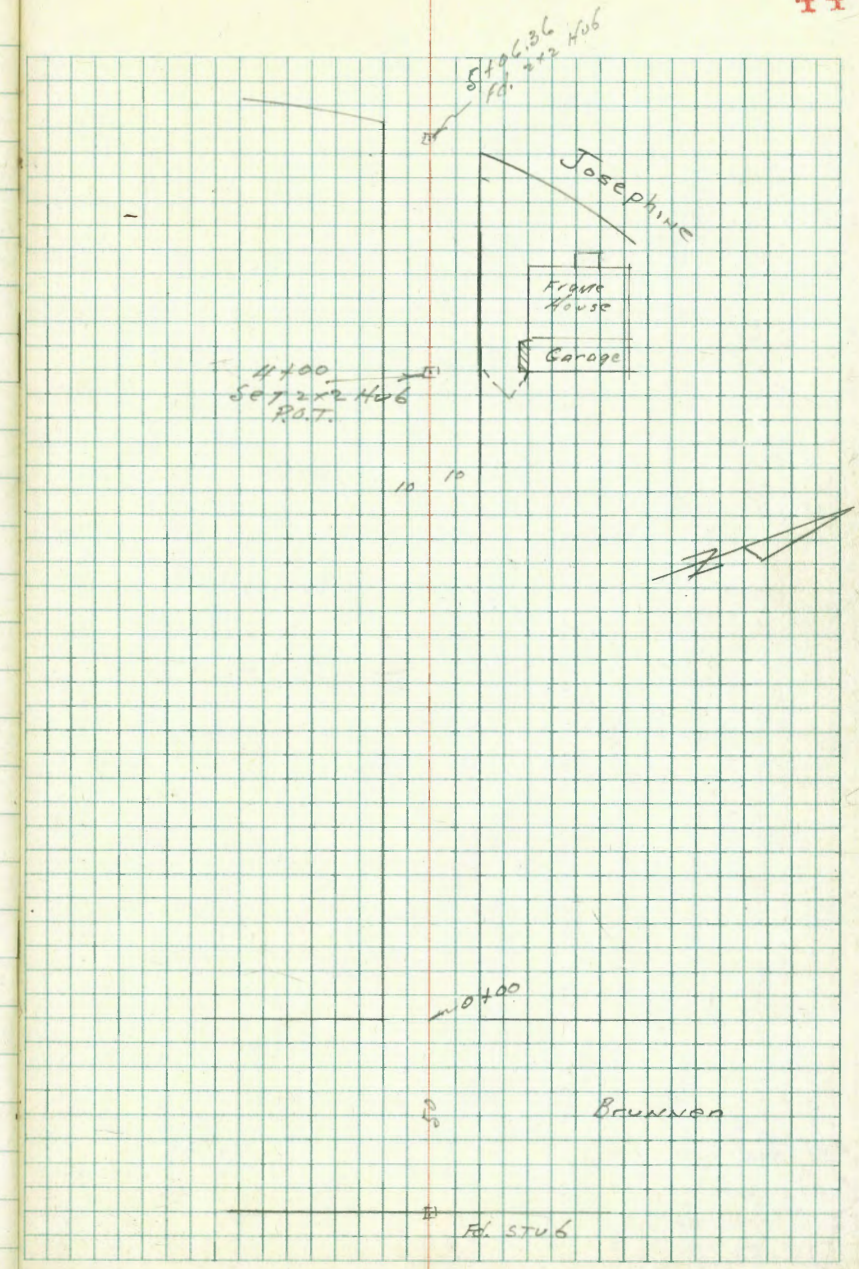
X sec alley Blk. C
Silver Terrace

Moore
Beggs
Reeams
9-16-47

See Ref. F.B. 574-52
W.O. 31216

17

Cont'd.



Lt = South Side & Pt

Cont'd

130.32

B.M. Hub
& alley +
E.L. Josephine.
574-52

Indexed
C.S.K.

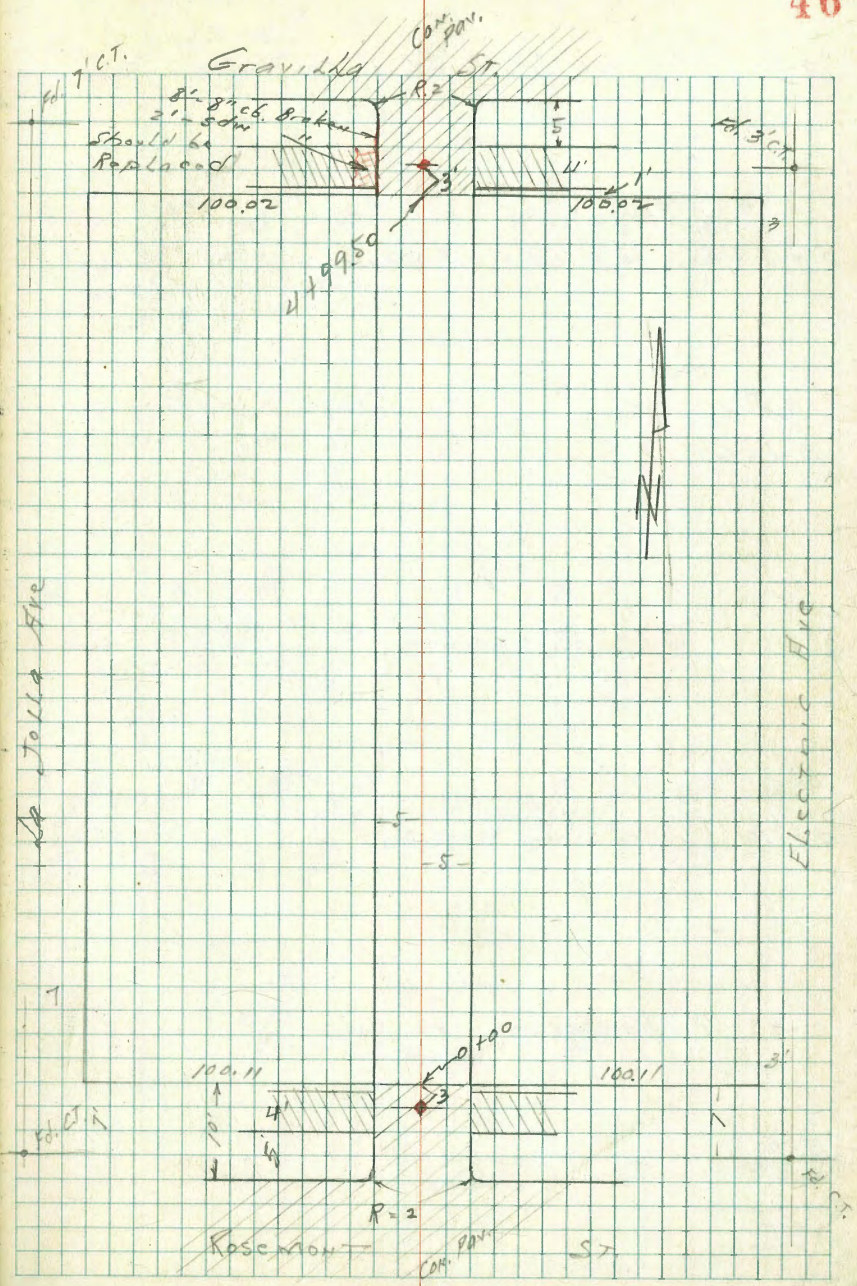
X sec alley 10' wide
Blk 7 La Jolla Strand (1210)

Moore Notes
Begg Instr.
Green chain
Roberts chain
10-6-47

WO. 312 C1

● = set disk

Set hubs and tacks
to locate fences and poles



0+20	4.6 Lt	℄ of 3' Con. walk garbage stand		
0+18.3	4.7 Lt	end ℄ east edge 1.5 Con. walk parallel with alley		
0+06				
0+00	N.L. ROSEMONT	4.6 Lt. Beg. of E.L. of 1.5 wide Con. walk parallel with alley		
0-10	N c6. Line ROSEMONT			
0-25	℄ ROSEMONT on Pav.			
B.M. SE BP ROSEMONT AND ELECTRIC	7.05	90.85		83.80

Lt = West ℄ Rt

84.58
6.27
4.6

84.61 4.2 x C2 walk
84.54 4.3 4.7 walk
84.3 6.5 4.7 ground
84.6 6.3
84.7 6.1 5
85.55 5.3 9
85.6 5.3 15

83.87 7.28 6.3 walk
83.45 7.40 4.8 walk
83.7 7.7 4.8 ground
83.0 7.8
83.4 7.4 5
84.6 6.0 8
85.3 5.5 15

82.18 8.72 5 c6 and walk
81.94 8.91 5 Pav.
81.97 8.98 4.6 Pav. walk
81.65 9.20 Pav.
81.80 9.05 4.9
82.01 8.84 5 c6

81.74 9.64 4.5 c6
80.45 10.24 4.5 9+
81.87 9.08 7 c6
81.97 9.58 7 9+
81.33 9.53
81.44 9.41 7 9+
81.8 9.04 7 c6
82.04 8.81 50 9+
82.53 8.32 50 c6

81.14 9.74 0 0

81.91 8.9 x Rim M.H.

82.70 8.15 1.50

90.85

L + 295	7.3 Rt S.W. Cor. do. gar. Con. floor. Stucco S.W. entrance
1 + 13	C' Lt. Beg. Bd. Fence
0 + 98.3	E do. gar. Con. Floor Level 14.7 wide
0 + 82	5.3 Lt end Bd. Fence
0 + 77	5.5 Lt P.P. # 6619
0 + 60	
0 + 45.2	5.2 Lt. Beg. Bd. Fence
0 + 41	
0 + 27	5.6 Lt. wedge of Con. 4' Platform Garbage Stand
0 + 25.5	5.2 Lt end Lattice fence
0 + 23	4.2 Lt. Shed
0 + 21.5	5.1 Lt. Beg. lattice fence

90.85

Lt ℄ Rt

82.4	82.4	82.6	83.3	84.10
8.4	8.4	8.2	7.5	6.75
6.2	5		5	7.3
Fence				Floor check.
83.48	83.5	83.5	83.6	83.9
7.37	7.3	7.3	7.2	6.9
12.1	#5		5	15
Con. floor				
	83.9	84.4	84.6	84.7
Fence	6.9	6.6	6.5	6.1
5.2	5		5	15
84.54	84.3	84.6	84.7	85.0
6.3	6.5	6.2	6.1	5.8
6.2	5		5	15
door sill to Dwelling				
84.54				
6.3				
5.6				
Con. garbage stand				

90.85

2 + 94	E Sin. gar. & Con. apron 8.7 wide			
2 + 89	5.6 Lt end Bd fence			
2 + 52	Semco M.H.			
2 + 50	5.4 Beg. Bd fence 4.6 Lt. end wire fence P.P. # CC41			
2 + 00				
1 + 64	6.9 Lt Beg. wire fence NE Cor. Bd garage West entrance			
1 + 50				
1 + 48	7.2 Rt NW Cor. Stucco gar. South entrance			
1 + 40	6.4 Lt SE Cor. of do. Bd. garage West entrance end Bd Fence			
T.P. #1	4.58	87.32 90.85	8.11	82.74

Lt & Rt

80.37 6.95 6.4 gar.

80.30 7.02 5.7 apron

81.7 6.1 RIM

80.3 7.0 15

81.1 6.7

81.1 6.2

81.7 6.1 5

81.5 5.8 15

81.3 6.10 20

81.6 5.8 7.2 fence

81.4 5.9 5

81.8 5.5

81.9 5.4 5

81.9 5.4 7

82.7 4.6 10

82.8 4.5 15

82.3 5.9 6.5 against garage

82.3 5.0 5

82.6 4.8

82.9 4.4 5

83.7 4.1 15

87.32

3+70

3+50,7 11.6 Rt. Beg. 3.5 wide Con walk Parallel with Alley

5.2 Lt. against Lath fence

3+50 5 Lt. P.P. P.A. CCCG

3+45

3+20 W. edge do. Con gar. & Con apron Floor

3+04 S. edge do. gar. con floor & apron

3+00 5.5 Lt Beg. Lath fence

87.32

Lt. & Rt.

80.3 / 7.0 / 15

78.4 / 8.9 / 5

78.6 / 8.7

78.9 / 8.4 / 5

79.6 / 7.7 / 11

79.84 / 7.48 / 11.8 W. edge 3.5 Con walk

79.68 / 7.64 / 11.6 W. edge walk

79.6 / 8.3 / 15

79.3 / 8.0 / 5

79.1 / 8.2

79.3 / 8.0 / 5

79.6 / 7.7 / 15

80.77 / 6.70 / 12 apron

80.91 / 6.41 / 14.9

80.70 / 6.52 / 12 apron

80.97 / 6.40 / 14.9 Gar.

80.1 / 7.2 / 5

80.14 / 7.1

80.4 / 6.9 / 5

80.6 / 4.7 / 15

87.32

4+50 5.6 Lt P.P. P.A. 6687

4+49.5 6.8 Rt end Bd fence

4+48 5.2 Lt end Earth fence

4+37 6.9 Rt Beg. Bd fence

4+14 ℄ Sin. gar Con. floor wide

4+00 5' Rt Fd 1" Pipe Cor.

3+99 6.2 Lt Beg. Earth fence

3+97 4.7 Rt N edge Con Landing to Stairs

3+92.5 ℄ Sin. gar. 6.2 Lt. W. entrance
12.5 wide

90.1?
3+80.1 S. edge Con. Landing at foot of Stairs
Con.

90.1
3+80 N. end Con apron to walk

3+86.5 6.2 Lt end Earth fence

3+85 ℄ Sin gar. Con apron is continuation of 3.5 Walk

87.32

Lt ℄ Rt

76.6 / 10.7 / 5

76.3 / 11.0

76.5 / 10.8 / 5

77.4 / 10.4 / 15

77.6 / 9.6 / 5

77.5 / 9.8

77.7 / 9.6 / 5

78.1 / 9.2 / 13

78.5 / 8.80 / 15.2 Con. gar. Floor

78.1 / 9.2 / 5

78.1 / 9.2

78.3 / 9.0 / 5

78.4 / 8.9 / 11.6

79.76 / 7.56 / 11.7 Cor. Landing

79.94 / 7.38 / 11.7 Cor. Landing

80.08 / 7.24 / 14.7 Landing at Bot. Step

79.58 / 7.80 / 11.7

79.96 / 7.42 / 15.2 apron

79.63 / 7.69 / 11.7 apron

79.97 / 7.35 / 15.2 gar. Floor

87.32

S. c6 Line Granville

4 + 99.5 S. L. Granville

4 + 98

4 + 79.5 5.8 Lt N edge Con apron
N. entrance

4 + 74.5 5.8 Lt NE Cor. Bdgc. N. entrance

4 + 54.2 5.7 Lt S.E. Cor. Bdgc. North entrance

4 + 52 5' Lt to Ctr. of 24" dl. Euc. Tree

T.P. #4 3.42 80.11 10.63 76.69
87.32

77.11 7.40 50 c6

77.10 8.01 50 p

73.78 6.35 7 c6

73.04 7.07 7 p

73.18 6.93 p

73.79 6.82 7 p

73.91 6.20 7 c6

74.13 5.98 50 p

74.84 5.27 50 c6

73.87 6.24 5 c6.

73.63 6.48 5 pav.

73.43 6.68 pav.

73.65 6.46 5 pav.

74.09 5.07 5 c6

74.1 6.0 5

73.9 6.2

73.9 6.2 4

74.4 5.7 5

75.1 5.0 c

75.56 4.55 10 W edge apron

75.55 4.54 5.8 edge apron

76.45 c6 N E Garage

76.47 3.69 5.8 gar. floor

75.7 4.4 5

75.4 4.7 4

75.6 4.6

75.7 4.4 5

74.9 4.1 6

74.1 4.0 15

80.11

	Check	T.P.'s			
Starting B.M.	5.52	89.32		83.80	
T.P. #1	2.59	85.33	6.58	82.74	82.74 ✓
T.P. #2	3.45	80.12	8.66	76.67	76.69 (0.02)
M.H. Rim	Valley & Gravilla		6.56	73.56	
T.P. #3	9.37	85.99	3.50	76.62	76.64 (0.02)
Check to Starting B.M.			2.18	83.81	~~83.80~~ (0.01)
Check to Starting B.M.			2.72	83.84	83.80 (0.04 error)
T.P. #3	9.92	86.56	3.47	76.64	
Check to SEBP La Jolla Blvd. Gravilla			8.67	71.44	71.29 (0.15)
℄ Gravilla					
		80.11			

L7 ℄ P7

P. 49

error P. 52

P. 53

This was derived from U.S.C. & G. See T.B. 1423-9

72.51
7.40
50

83.91
6.58
M.H. Rim

74.71
5.40
50

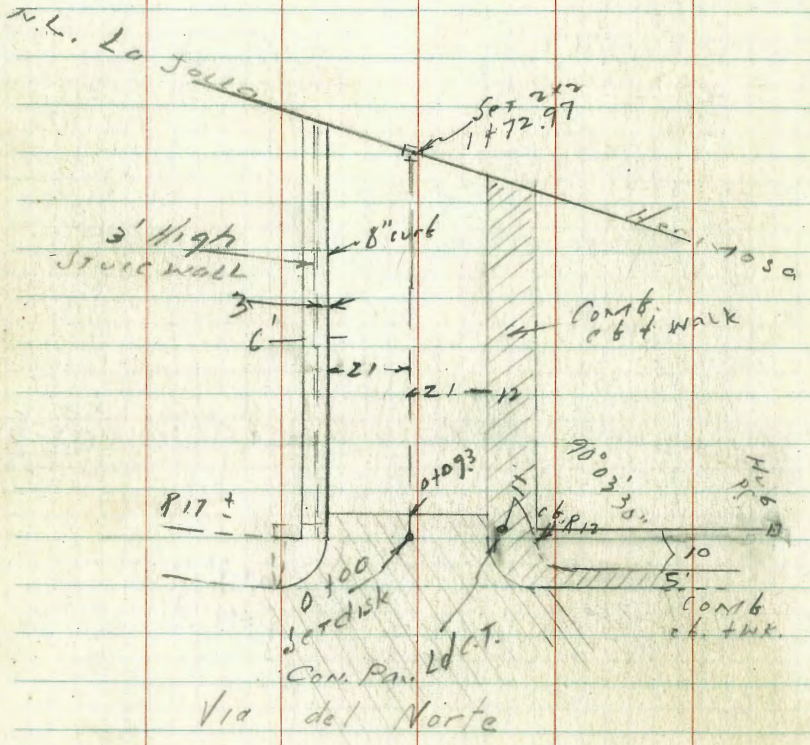
80.11

Survey for proposed
Opening of Ave Comercio
Nly to Dowling Drive

Moore
Bigg
Greer
Roberts
1-20-48

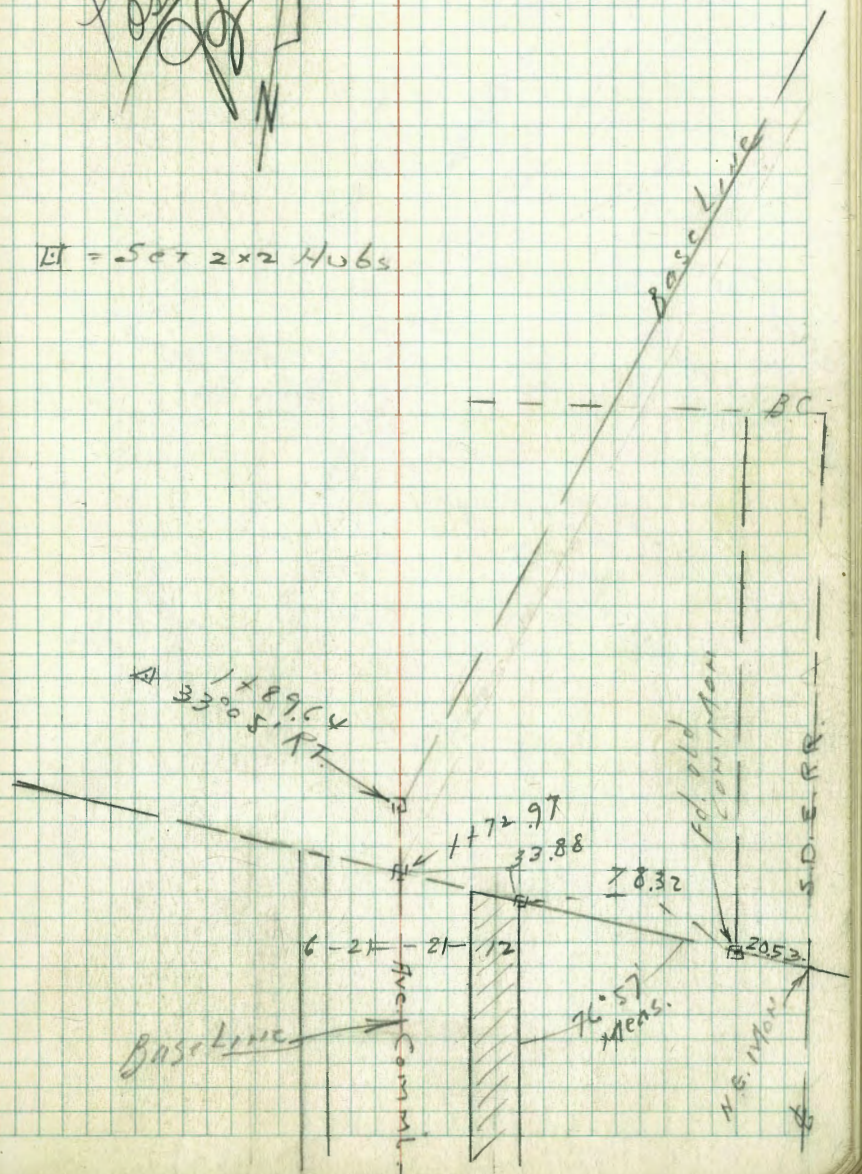
W.O. 27156

Ref. Ga Bk 123-11

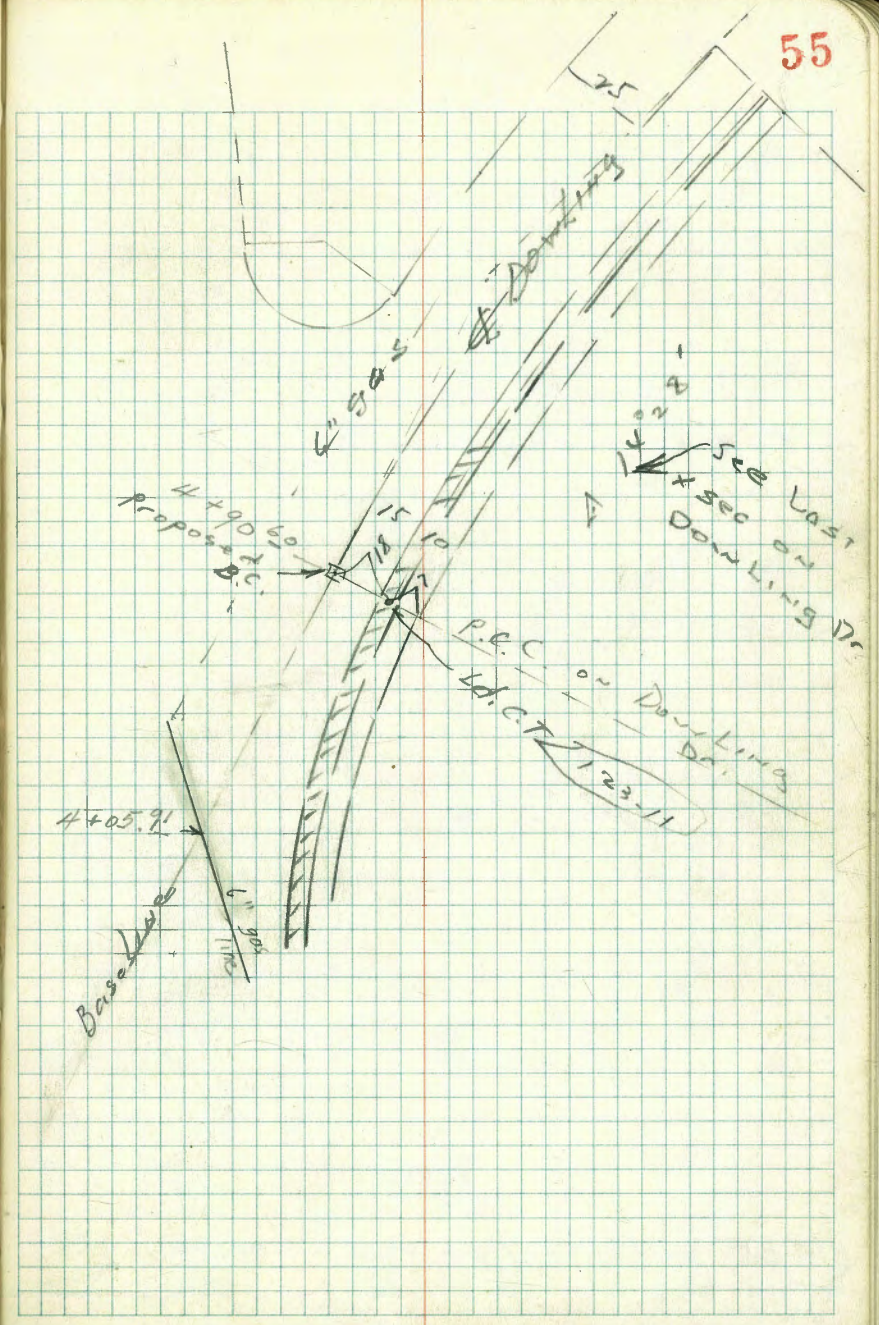


Posted

□ = Set 2x2 Hubs



Ave - Comm 2 -


25
4" Sewer
4" Sewer
Sta 4+90.60
Proposed P.C.
15
10
See last
+sec on
Dowling Dr
P.C. on Dowling Dr.
Sta. C.T. 71+23.11
4+05.91
Baseline
6" pipe line

X Sections Ave. Commercial ^ to

0 + 50

0 to 9.3 N. edge Con. Pave.

0 to 00 wky via del Norte

-15 Curb Line gutter line on Rt

-30 ℄ Via Del Norte

BM BP 1.81 93.70 91.89
on Curb

Lt Baseline Rt

Dowling

85.0	84.90	84.3	85.1	85.2	85.75	85.89
8.7	8.80	9.4	8.6	8.5	7.95	7.81
27	21	21		21	21	33
	c6				c6	walk
84.7	84.70	84.26	85.08	85.17	85.58	85.74
9.0	9.00	9.44	8.62	8.53	8.11	7.96
27	21	21		21	21	33
	c6				c6	edge wk
	84.75	84.30	84.97	85.17	85.56	85.70
	8.95	9.40	8.78	8.53	8.12	8.00
	21	21		21	21	33
	c6	97		97	c6	edge wk
84.35	83.94	84.19	84.86	85.13	85.32	85.62	85.84	86.36
9.35	9.76	9.51	8.84	8.57	8.38	8.08	7.84	7.3
30	30	24		21	33	33	50	50
c6	97					c6		c6
83.90	84.16	84.19	84.75	85.15	85.47	86.19		
9.80	8.54	9.51	8.95	8.55	8.23	7.61		
35	24	21		21	33	50		

93.70

BM Dowling & Electric Ave BP Curb Dowling

Check this on Dowling XS ℄

2 + 60

2 + 20

1 + 89.6 ± Sec. on SPLIT of 1

1 + 72.9 ± Sec. on Pueblo Line

1 + 50

1 + 00

93.70

Lt Ø L. Rt 57

85.2	86.0	87.0	87.0	87.8	86.7	90.0
8.5	7.7	6.7	6.7	5.5	5.0	3.7
60	30	7		23	24	60
84.4	85.7	86.7	86.4	86.7	87.1	89.2
9.5	8.2	7.0	7.3	7.0	5.4	4.5
60	30	7		22	24	60
	83.1	85.0	85.9	86.1	86.9	88.7
	10.0	8.7	7.8	7.0	6.8	5.0
	60	30		25	27	60
85.6	85.44	85.3	85.8	85.8	86.22	86.50
8.4	8.26	8.4	7.9	7.9	7.48	7.40
27.7	21.5C	21.5		21.5	21.5C	33.88
	C6				C6	
85.4	85.24	85.0	85.7	85.4	86.14	86.16
8.4	8.46	8.3	8.0	8.3	7.5C	7.42
27	21	21		21	21	53
	C6				C6	walk
85.1	86.05	84.7	85.3	85.2	85.96	86.10
8.4	8.65	9.0	8.4	8.5	7.74	7.60
27	21	21		21	21	33
	C6				C6	walk

93.70

Check to orig. BM. 1.81 91.89

4 + 90.60 PCC.

+50

4 + 00

+50

3+00

93.70

Lt. Rt.

See xsec on Dowling Dr.

88.1	90.1	91.2	91.4	92.11	92.10	
5.6	3.6	4.5	2.3	1.59	1.54	
60	30		17.6	17.6	32.7	
				46	edge walk	

87.5	89.0	89.3	90.2	91.7	92.10	92.12
4.4	4.7	4.4	3.5	2.0	1.60	1.58
40	30	18		28	28	33.3
					46	walk

86.8	88.1	88.3	88.9	90.01	91.9	92.18
4.9	5.6	4.9	4.8	2.8	1.8	1.57
60	30	11		30	x2	58.4
						46

86.0	87.2	87.9	87.9	88.8	89.5	91.2
2.7	4.5	5.8	5.8	4.9	4.4	2.5
60	30	9		23	25	40

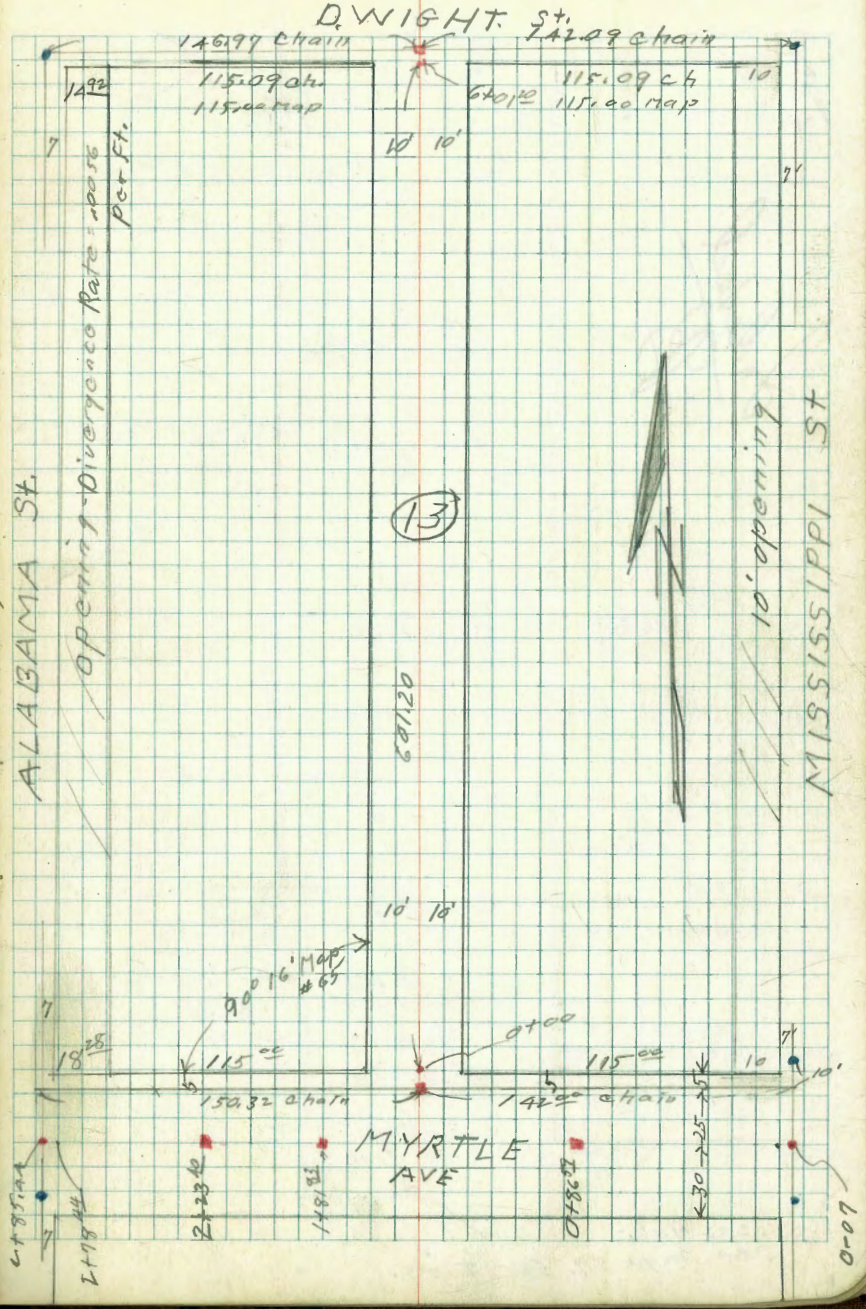
93.70

Paulys Addition Map #65
Cross section
Alley Blk. 13 - Levels on page 61
Myrtle - Mississippi to Alabama.

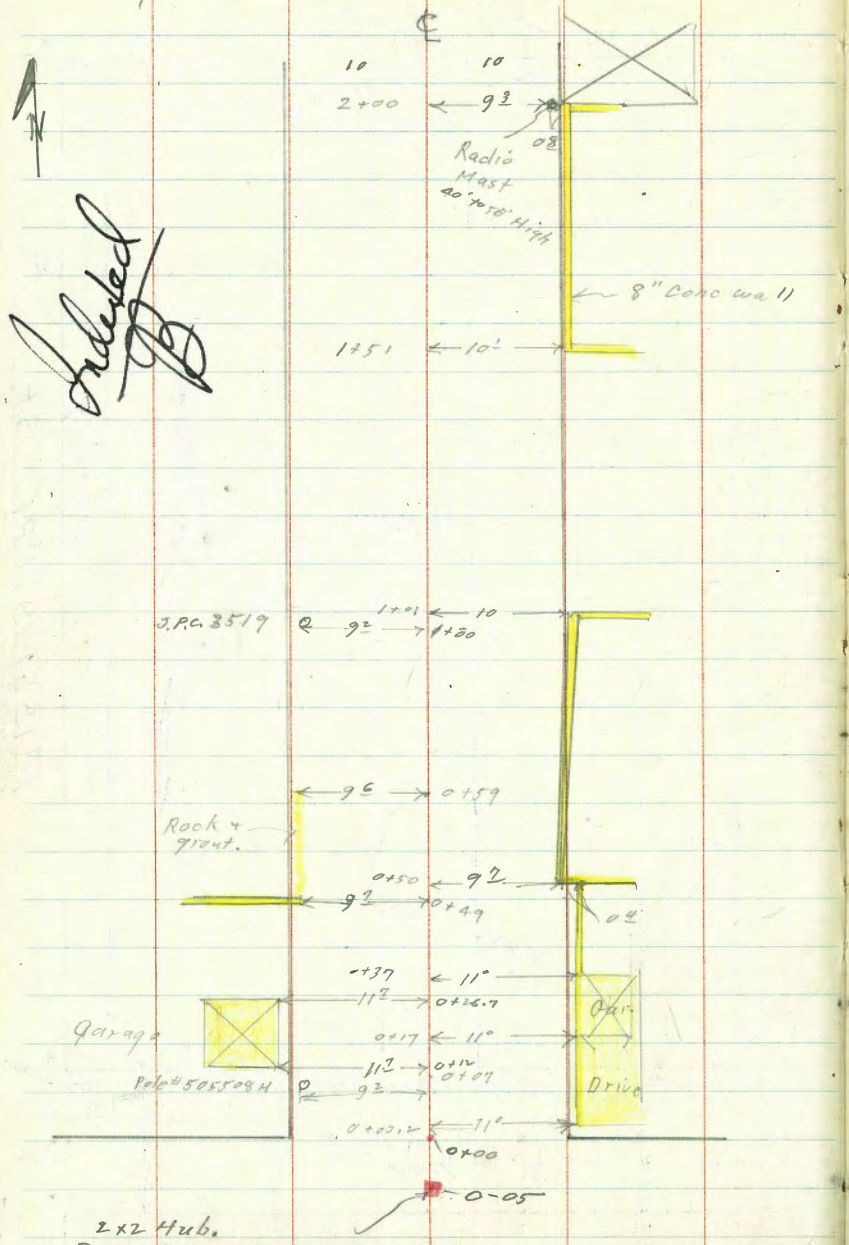
Sammermeyer
McCoy
W. Moore
Sherman

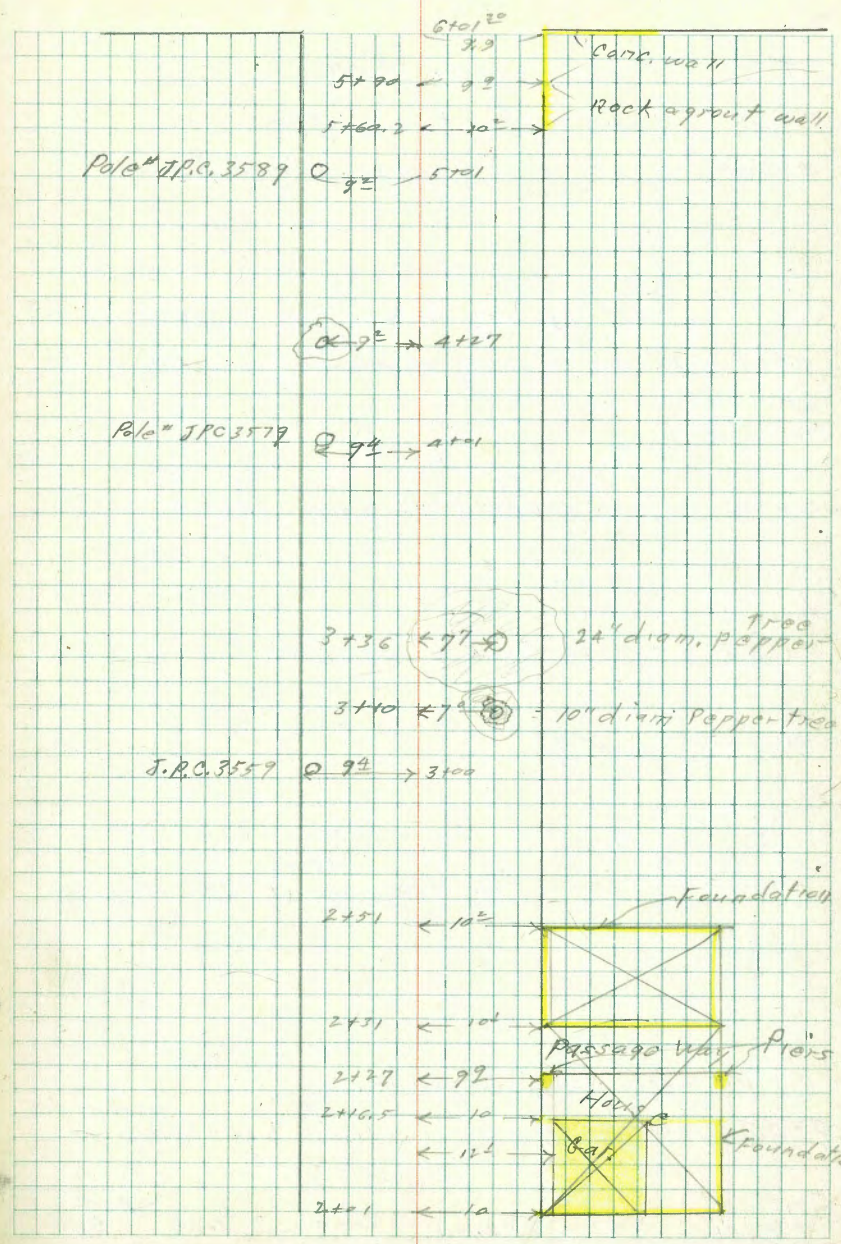
4-20-48
W.O. 25001

● = Fd. L.T. or L+Disk.
■ = Set 2x2 Hub + disk
• = " Nail in pavement.
All distances chained except where noted otherwise.



Alley Blk 13. Paulys Add.



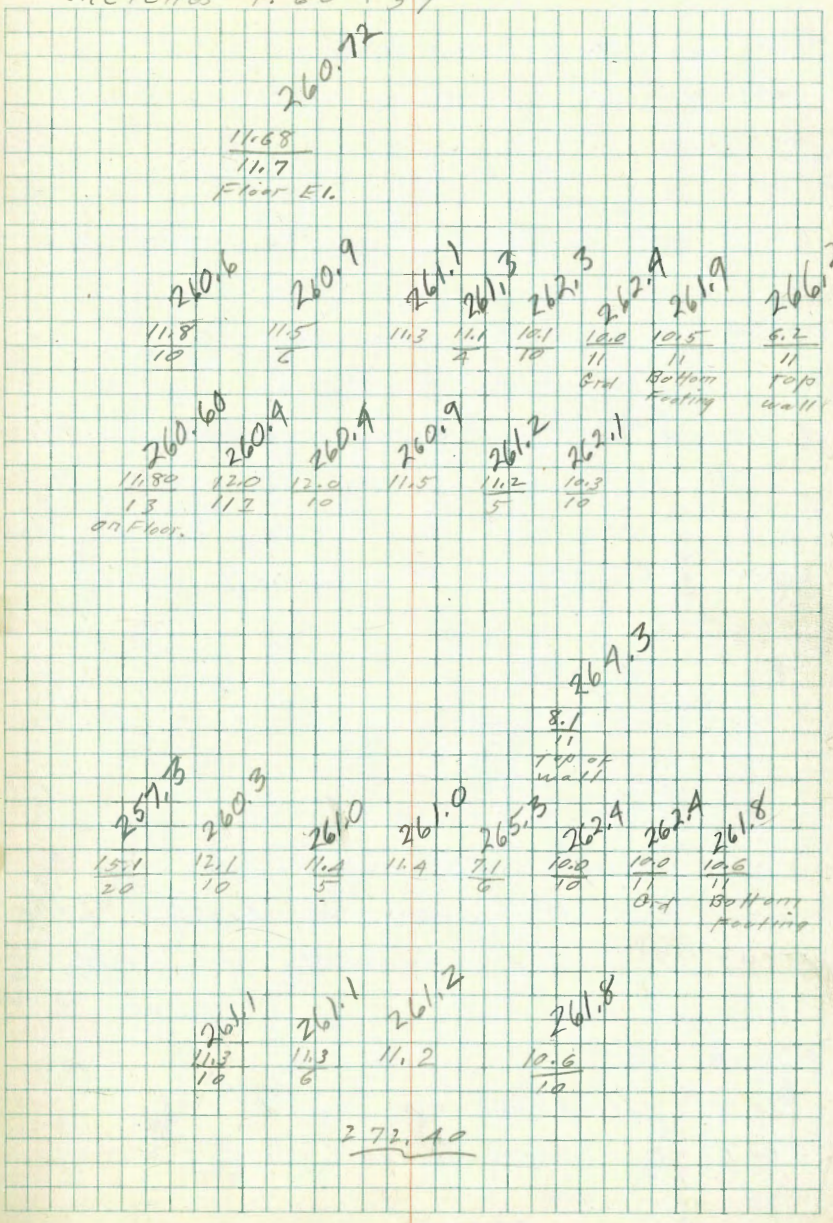


Levels
Alley Blk 13 Paulys Add.

T.P.	7.66	269.19	10.87	261.53	
0+28	9.5 Lt. = start slat fence.				
0+26.7	11.3 Lt. = End Garage. Conc. Floor.				
	start conc. block Gar. - South enterance.				
0+19	11.0 Rt. = End 8" wide conc. brick wall also =				
0+12	11.3 Lt. = Start Gar. Conc. floor				
0+07	9.2 Lt. Back Edge Pole # 505508H				
0+03.2	Cont.				
0+03.2	11.2 Rt. = Start 8" wide conc. brick wall.				
0+00	Nly line Myrtle.				
0-05	= 2x2 + disk		11.08	261.32	Set B.M. #1
Myrtle & Mississippi	1.42	272.40	—	270.98	N.W. B.P.

61

Sketches P. 60 + 59



T. P.	4.58	271.29	2.48	266.71
	9^8 Lt. = End lath fence & start picket Fence			
1+01	10^0 Rt. = End stucco wall also start. Picket Fence			
1+00	9^2 Lt. = back of pole #. J.P.C. 3519			
0+79	8^2 Lt. = Ctr. deadman on top of ground.			
0+59	9^6 Lt. = End Rocks in grout. laying			
0+50	9^2 Rt. = Start stucco wall			
$0+49^9$	11^1 Rt. = End Conc. block wall, 8" wide start lath fence. setting on top of ground. also = Also = start row of Rocks in grout 1'I wide			
0+49	9^7 Lt. = ℄ 4" wide E.+W. Conc. wall			
	Conc. block wall.			
0+37	11^0 Rt. = End garage & start 8' wide			

269.79

℄

267.6 — 1.6 / 10 Grd. ; 266.6 — 2.6 / 10 Base Footing ; 271.6 — +2.4 / 10 top wall

264.8 — 4.4 / 25 ; 266.0 — 3.2 / 10 ; 266.4 — 2.8 ; 266.4 — 2.8 / 3 ; 267.5 — 1.7 / 10

264.2 — 5.0 / 96 top Rocks ; 263.6 — 5.6 / 90 Grd.

262.3 — 7.9 / 25 ; 263.0 — 6.2 / 11 ; 263.6 — 5.6 / 9.7 top Rock wall ; 263.3 — 5.9 / 9.5 Grd ; 263.5 — 5.7 / 5 ; 263.7 — 5.5 ; 264.4 — 4.8 / 8 ; 264.6 — 4.6 / 97 Grd. ; 264.2 — 5.0 / 9.7 Base Footing ; 270.3 — +1.1 / 9.8 top wall

264.5 — 4.7 / 11 Grd. ; 264.1 — 5.1 / 11.1 Base Footing ; 268.2 — 1.0 / 11.1 top wall

261.4 — 7.8 / 10 Grd. ; 263.5 — 5.7 / 97 top wall ; 261.2 — 8.0 / 97 Base Footing ; 262.5 — 6.7 / 97 Grd. ; 263.5 — 5.7 / 5 ; 263.7 — 5.5 ; 264.5 — 4.7 / 10

260.7 — 8.5 / 30 ; 261.4 — 7.8 / 10 ; 262.5 — 6.7 / 5 ; 262.6 — 6.6 ; 263.9 — 5.3 / 10 ; 263.9 — 5.3 / 11.0 Grd. ; 263.4 — 5.8 / 11.1 Bottom Footing ; 268.3 — 0.9 / 11.0 top wall

269.79

2+01⅝ 12± Rt. = Start Gar. doors. (Rough Conc. Floor)

2+01 = 10' Rt. = S.W. Cor. Dwelling + Gar. (2 story Bldg.)

9⅜ Rt. = Face 4" diam Radio mast.

10± Rt. = End 8" Conc. wall + lath Fence

2+00 9⅜ Lt. = Back of pole # J.P.C. 3539

2+80

with lath Fence.

10± Rt. = Start 8" wide Conc. wall. Topped

1+51 9⅜ Lt. = Fence line

1+48 13⅜ Rt. = N.W. Cor. Gar.

South entrance

13⅜ Rt. = S.W. Cor. Gar. Conc. Floor

1+30 10± Rt. = End picket Fence

1+22 8⅜ Lt. = Ctr. deadman

271.29

267.24
4.05
12.1
Gar Floor

265.3
6.0
30

266.2
5.1
10

266.2
5.1

266.4
4.9
5

267.2
4.1
10
End

267.0
4.3
10.1
Base Footing

268.1
3.2
10.1
Top wall

266.4
4.9
10

266.7
4.6

266.9
4.4
3

268.1
3.2
10

266.9
4.4
10

267.2
4.1

267.2
4.1
2

268.3
3.0
10
Grd

267.3
4.0
10.1
Base Footing

268.4
2.9
10.1
Top wall

270.4
0.9
13.8
Grd

270.5
0.8
13.8
Approx Floor

265.5
5.8
30

266.7
4.6
10

267.2
4.1

267.2
4.1
3

269.3
2.0
10

270.3
1.0
13.8

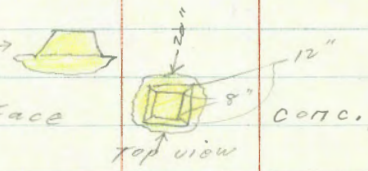
270.5
0.8
13.8
Approx Floor

271.29

2+51 Foundation. Also = start picket fence.
10' Rt. = N.W. Cor. Dwelling or shop conc.

2+50 9.9 Lt. = End picket + start wire fence

2+31 10' Rt. = S.W. Cor. Conc. Foundation dwelling (or work shop)



2+27 9.9 Rt. = Face conc. pier

2+21 9.8 Lt. = start picket fence.

2+20 10.7 Lt. = End double Gar.

Also = start picket fence.

2+16.5 10' Rt. = N.W. Cor. House Foundation

2+16 12' Rt. = End Gar. doors.

2+06 10.6 Lt. = start double Gar.

271.29

℄

263.8
7.5
30

264.2
7.1
10.

265.2
6.1
9

265.2
6.1

265.1
5.6
10

266.0
5.0
9.9
Grd

265.6
5.7
9.9
Base pier

267.2
4.1
9.9
top of pier

264.1
7.2
30

265.0
6.3
10

265.5
5.8
8

265.8
5.5

266.2
5.1
10

265.88
5.41
10.7
Gar. Floor.

265.7
5.6
10
Grd.

267.19
1.10
12.1
on Floor.

265.93
5.26
10.6
Gar. Floor

271.29

Alley Blk. 13

3+69 13² Rt. = N.W. cor. Rough Conc. slab.

3+53 13² Rt. = S.W. cor. Conc. slab. under clothes lines

3+50 Cont.

10⁵ Rt. = start. 2"x12" on edge as bulkhead

3+50 9² Lt. = start. 4" wide Conc. wall

3+47⁵ 10¹ Rt. = ℄ 18" wide conc. walk

~~3+50 9⁹ Lt. = Start 4" wide conc. wall~~

3+36 7² Rt. = Ctr. 24" diam pepper tree.

3+10 7⁵ Rt. = Ctr. 10" diam pepper tree

picket + start wire fence.

9⁸ Lt. = End wire fence. 10' Rt. = End

3+00 9² Lt. = Back. Pole # J.P.C. 3559

2+70

271.29

℄

268.0 — 5.8 — 13.2 — N.W. cor

269.2 — 2.1 — 2.7 — N.E. cor

267.8 — 3.5 — 13.2 — S.W. cor. Rough Rough slab. slab

268.4 — 4.5 — 2.7 — S.E. cor

261.0 — 10.3 — 30

263.6 — 7.7 — 10.3 — Grd

265.1 — 6.2 — 9.9 — rep wall

263.4 — 7.9 — 9.9 — Base wall

264.3 — 7.0 — 9.7 — Grd

265.4 — 5.9 — 7

265.6 — 5.7

265.1 — 5.6 — 3

267.4 — 4.0 — 10

267.7 — 3.4 — 10.3

267.7 — 3.6 — 10.6 — Grad

268.1 — 3.2 — 12 — Grad

267.4 — 4.0 — 10 — Grd + Bottom of walk

267.69 — 3.60 — 10.1 — walk

~~7.9 — 7.9 — 5.9 — 5.7~~ — Base wall — Grd

261.6 — 9.7 — 30

263.8 — 7.5 — 10

264.5 — 6.8 — 9

265.0 — 6.3

265.0 — 6.3 — 3

266.2 — 5.1 — 10

262.6 — 8.7 — 30

263.3 — 8.0 — 10

264.4 — 6.7 — 9

266.1 — 6.2

265.7 — 5.6 — 10

268.0 — 3.3 — 30

271.29

4+07 10.9 Lt. = ℄ Sing. Gar. dirt floor.

4+03 = End 5" wide Conc. wall

℄ 5" E.+W. wall.

4+01 ⊥ 10.5 Rt. = start 5" wide Conc. wall.

4+01 Cont.

bulk head also = End wire fence.

10.7 Rt. = End 12" High 2" wide plank wide conc. wall

4+01 9.2 Lt. = Pulc.th J.P.C. 3579 10.1 Lt. = End 4"

3+80

T.P.	8.65	274.73	5.21	266.08
		271.29		

266.2
8.5
10.9
Floor

268.1
6.6
10.6
Base Footing

270.0
4.7
10.6
Top wall

268.5
6.2
10.6
Grd

268.1
6.6
10.6
Base Footing

270.0
4.7
10.6
top wall

267.7
12.0
30

265.0
8.7
11
Grd.

265.3
9.2
10.4
top Wall

264.8
9.9
10.1
Base Footing

265.6
9.1
10
Grd.

266.4
8.3
8

266.8
7.9

267.0
7.7
3

268.4
6.3
10

266.6
5.9
10.7
top Bulk head + Grd.

269.1
5.6
20

266.3
13.4
30
Grd.

264.4
10.3
10.3
Grd.

264.8
9.9
10
Top wall + Grd.

265.7
9.0
6

266.0
8.7

266.0
8.7
5

267.4
9.3
10

274.73

T.P.	283	274.83	2.73	272.00
5+00				
4+90	$10\frac{4}{}$ Lt. = Start wire fence			
4+85	$8\frac{8}{}$ Lt. = Ctr. deadman.			
4+71	$9\frac{8}{}$ Lt. = End wire fence.			
	$9\frac{8}{}$ Lt. = End Batt. fence. + Start wire fence $10\frac{5}{}$ Rt. = Start board fence = N.W. Cor. Conc. slab.			
4+50	$10\frac{5}{}$ Rt. End 4" wide Conc. wall + Also			
4+27	$9\frac{2}{}$ Lt. = Ctr. 6" dia. apricot tree			
	wall under gate in fence.			
4+20	$10\frac{}{}$ Lt. = Ctr. 3" long 6" wide Conc.			
4+19	$10\frac{5}{}$ Rt. = Start wire fence on top of wall			
	+ also = S.W. Cor Conc. slab.			
4+14.5	$10\frac{5}{}$ Rt. = Start 4" wide Conc. wall.			
4+12	10' Lt. = Start. Batt. fence.			
4+08.5	$15\frac{1}{}$ Rt. = ℄ Sing. Gar. Conc. Flr.			
		274.73		

℄

266.9	270.8	271.2	271.7						
5.8 / 30	3.9 / 10	3.5	3.0 / 10						
266.1	268.0	268.4	269.0	269.0	270.6	269.9	270.8	271.0	
8.0 / 30	6.7 / 10	6.3 / 9.5	5.7	5.7 / 3	3.9 / 10	4.8 / 10.5 Base wall	3.9 / 10.5 Top wall	3.7 / 12 on slab.	
266.9	267.6	266.8	267.4						
7.8 / 11 Grd.	7.1 / 10.1 Top wall	7.9 / 10.1 Base wall	7.3 / 10 Grd						
265.9	266.3	267.1	267.2	267.5	269.2	268.4	270.2	270.3	
8.8 / 25	8.4 / 11	7.6 / 10	7.5 / 3	7.2	5.5 / 10	6.3 / 10.5 Base Footing	4.5 / 10.5 Top wall	4.4 / 14 on slab	
266.4	266.8	267.3	267.7	269.1	269.9	270.06			
8.3 / 10	7.9 / 5	7.4	7.0 / 3	5.6 / 10	4.8 / 15	4.67 / 15.1 Top of Floor			

274.73

5+70 13± Lt. = start picket fence.

5+68 13± Lt. = End double Bar. Conc. Floor.

5+60± 10± Rt. = start wall face 18" wide rock + grout wall.

5+60 10± Rt. = End conc. apron to sing Bar. conc. floor.

5+53 13± Lt. = start double Bar. Conc Floor

5+51± 10± Rt. = start Conc. Apron to Sing. Bar. conc. floor.

5+51 10± Lt. = End Bath. Fence.

5+50

12± Rt. = start lath fence.
10' Rt. = End board fence
9± Lt. = start Bath. Fence.

5+01 9± Lt. = Back of pole # B.P.C. 3589

274.83

271.98 271.8 271.6 271.1 271.4 271.4 272.0 272.2 273.9 271.2
2.85/13 3.0/13 3.2/10 3.7/7 3.4 3.4/4 1.8/10 2.6/10 0.9/10 0.5/20
Floor Grd Grd Base Footing 7-0 Wall Grd.

272.0 271.9 271.7 271.9 271.9 272.2 273.43 273.65
2.8/13 2.9/10 3.1/8 2.9 2.9/5 1.6/10 1.40/10.6 1.18/12.7
Apron Bar. Floor

271.89
2.94/13.2
Bar. Floor.

273.32 272.6 273.9
1.6/10.2 2.2/10.2 0.9/10.6
Grd Footing Top rocks

273.43 273.65
1.6/10.7 1.40/10.8 1.18/12.7
Grd Apron Bar. Floor

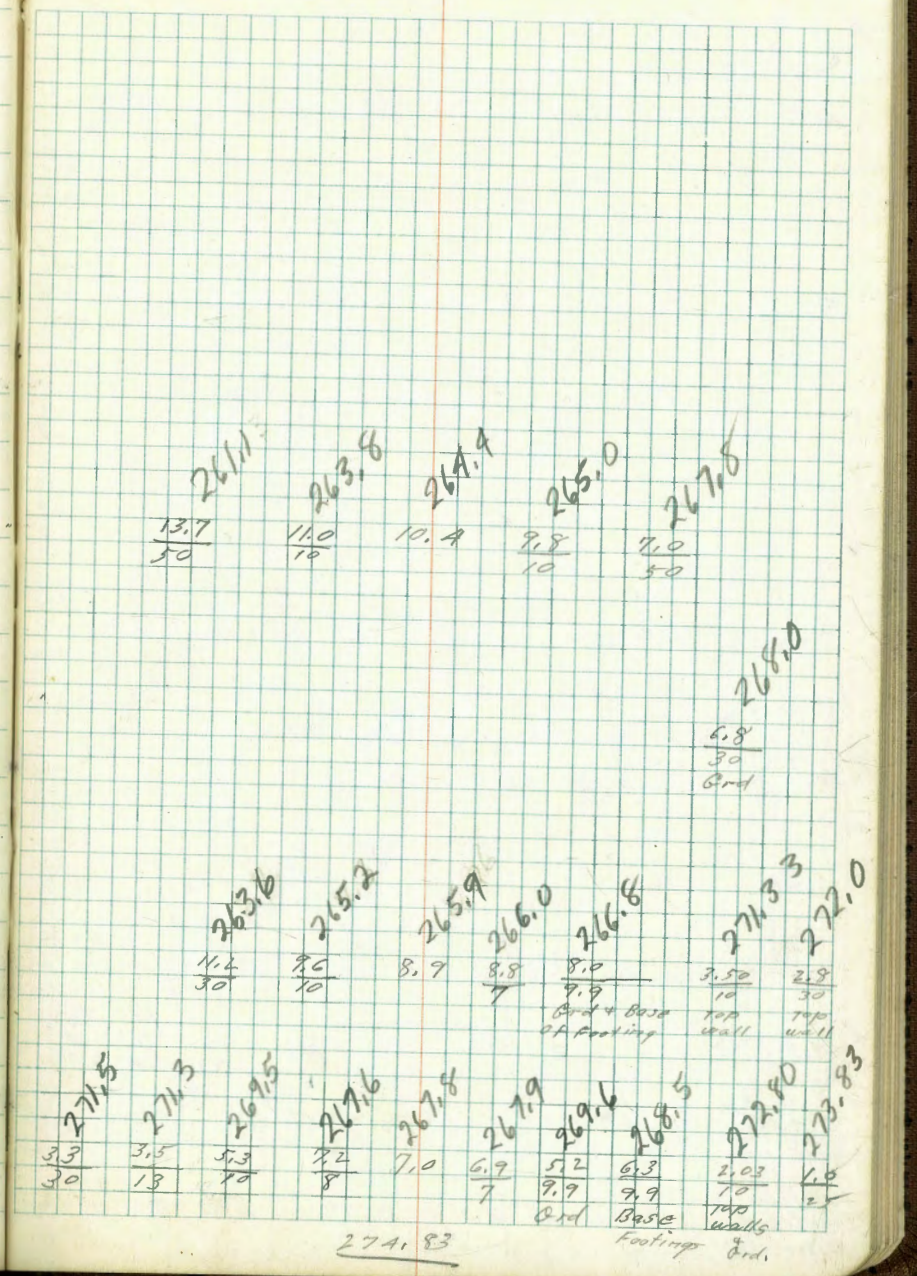
271.2 272.0 272.0 272.2 272.8 273.2
3.6/30 2.8/10 2.8 2.6/5 2.0/10 1.5/20

274.83

on. curb. over hole. Plug gone.

N.E.B.A Dwight + Alabama.			7.82	255.90	(255.96)
T.P.	1.62	263.72	12.73	262.10	
6+16	Gutter as graded (Dwight. unpaved street)				
6+01 2					
	9.9 Rt. = End 7" wide Conc. wall.				
6+01 2e	= S. Line Dwight.				
	also = Start 7" wide Conc. wall.				
	9.9 Rt. = End Rock + grout wall				
3+90	13.6 Lt. = End picket fence.				

27A.83



Myrtle.
Sketch P. 59 + P. 71

also ℄ N.+S. wall.

0+38 27^{2} Lt. = Face 6" wide Conc wall

0+28 27^{5} Lt. = Start 6" wide Conc. wall.

0+12

0+02 11^{6} Rt. = Ctr. $3^{8} \times 3^{8}$ gas valve box

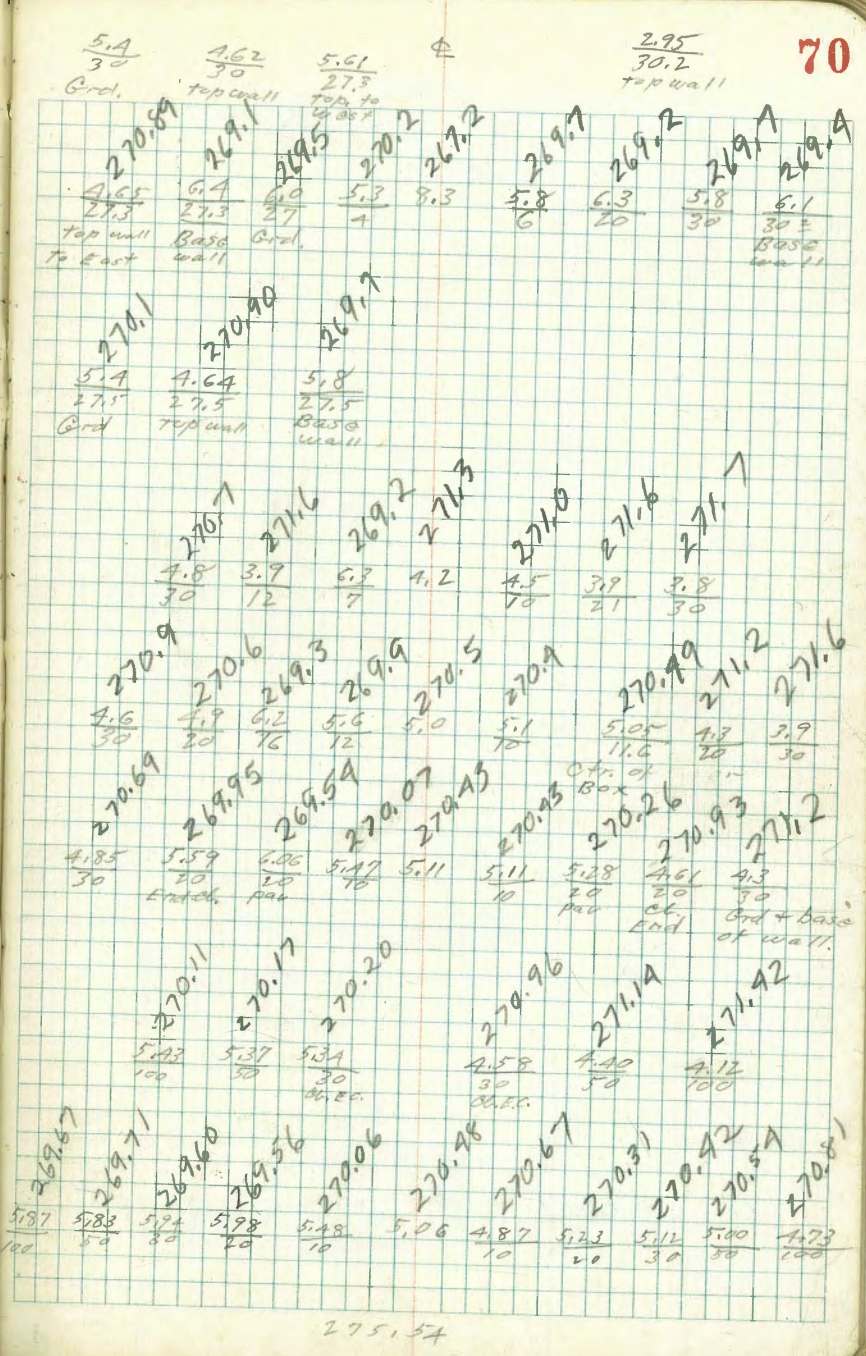
W.L. Miss. 30^{2} Rt. = Start $6\frac{3}{4}$" Conc. block wall.

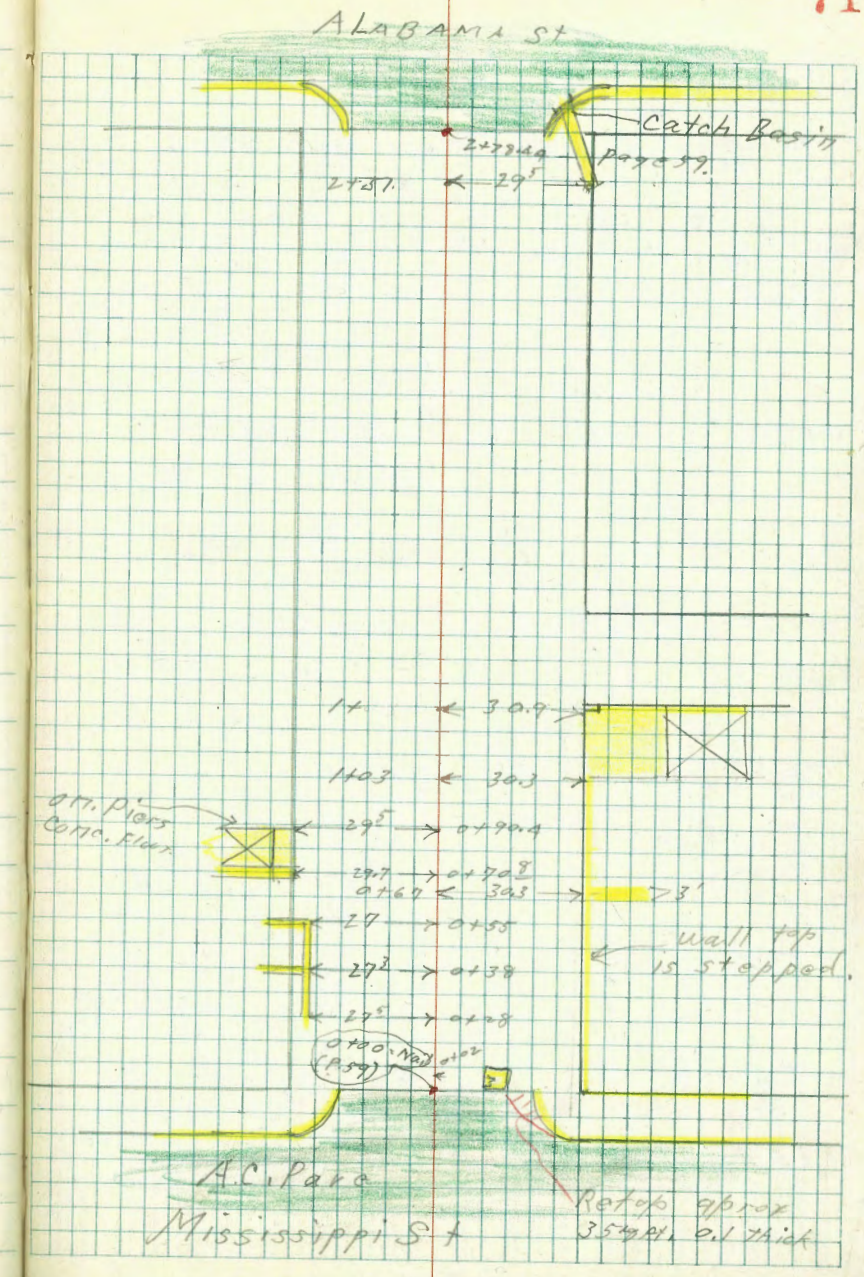
0+00 End Existing pavement.

0-10 = W. Curb line Mississippi

0-10' = W. Gutter line Mississippi

N.W.B.P. Myrtle + Mississippi 4.56 275.54 — 270.98




ALABAMA St
Catch Basin
Page 59.
Att. piers
Conc. Flat
wall top
is stepped.
A.C. Pave
Mississippi St
Retop aprox
35 ft. 0.1 thick

0+90 4 29 5 Lt. = End Conc. Apron + Gar.

0+75

double garage.

0+71 7 29 7 Lt. = start Conc. Apron to

0+70 8 29 7 Lt. = ℄ 2 7 wide Conc. walk

0+67 30 3 Rt. = ℄ 3' walk.

0+55 Cont.

also = ℄ N.+S. 6" Conc. wall.

0+55 27 9 Lt. = End 6" Conc wall.

275.54

℄

267.24
8.30
32.3
Gar

267.23
8.31
29.5
Apron

266.8
8.7
29

266.7
8.8

262.3
13.2
11

265.3
10.2
19

265.3
10.2
30

267.29
8.25
30
Apron

267.2
8.3
29
Grd

267.1
8.4
15

267.2
8.3

266.9
8.6
10

263.9
11.6
15

266.3
9.2
20

266.6
8.9
30

267.39
8.20
32.4
Gar. Flor

267.34
8.20
29.7
Edge Apron

267.43
8.41
33
on walk

267.35
8.19
29.7
walk

267.79
7.75
30.3
℄ walk

266.6
8.9
30.3
Base wall

270.6
4.9
30.3
Top gate level with top of wall.

269.89
5.65
30
Top wall

266.8
8.7
30
Base wall

267.4
7.7
30
Grd

269.90
5.64
27
Top wall

266.4
8.7
27
Base wall

268.6
6.9
27

268.5
7.0
15

268.6
6.9

266.2
9.3
6

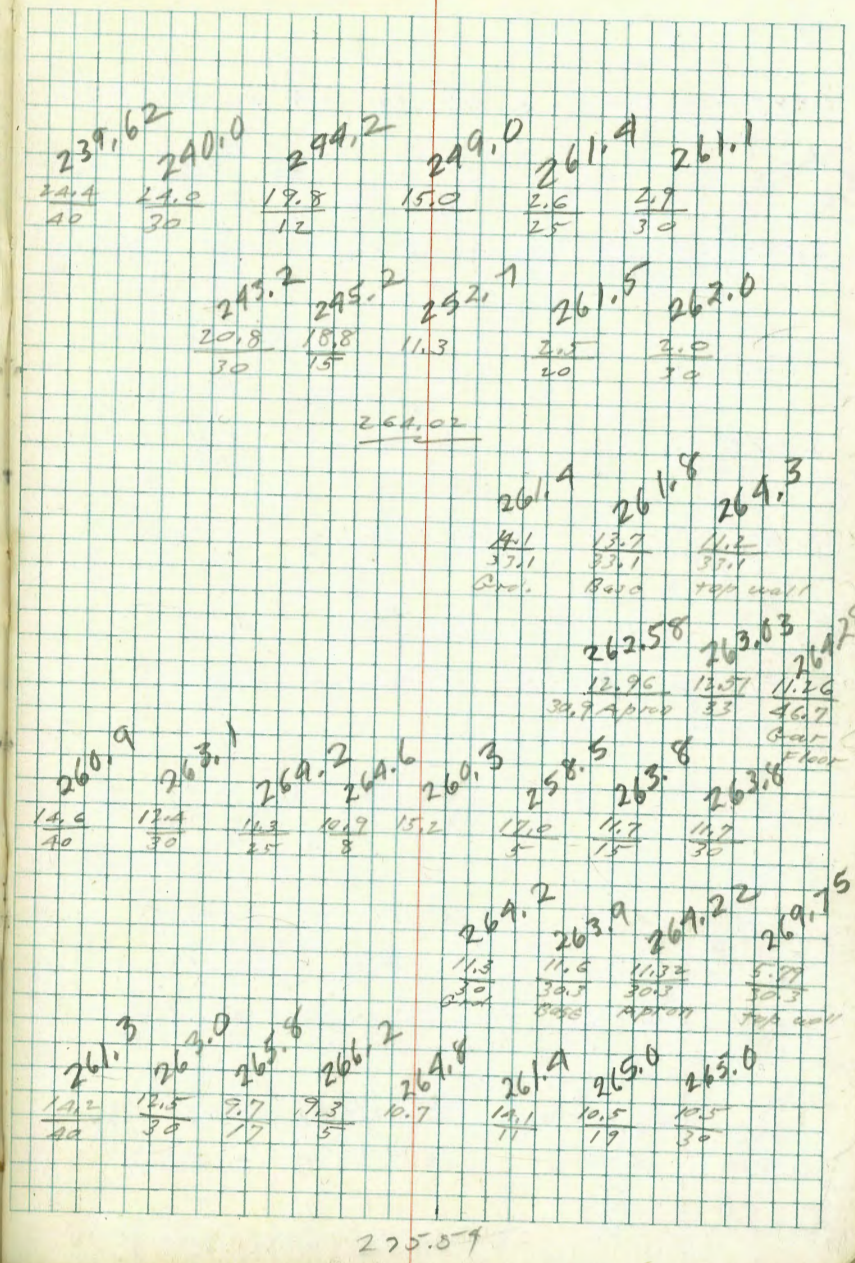
268.5
7.0
10

268.3
7.2
30

275.54

Myrtle. St.

T.P.	0.62	252.20	12.44	251.58
1+45				
1+35				
T.P.	1.41	264.02	12.93	262.61
1+23½	33' Rt. = E 8" wide N.S. Conc. block wall.			
1+23-	30° Rt. = End Apron.			
1+05				
	conc. drive to Gar.			
1+03	30° Rt. = End 6" Conc wall. + start			
0+95				
		275.54		



2+85 — 23 Rt. = ℄ grate at curb (P. 71).

2+78.44 — E.L. Alabama. Edge Exist Pave.

2+72

T.P. 12.10 253.81 0.22 241.71

= start culvert

2+51 — 29 Rt. = ℄ 30" Conc. Culvert.

2+40

T.P. 0.87 241.93 11.14 241.06

walk

2+11 — 46' Rt. = End 2' wide Conc. F. + W.

conc. walk. along house

1+81 — 46' Rt. = start 2' wide F + W

252.20

℄

249.15
4.66
23.4 on grate

251.3 / 2.5 / 30
250.66 / 3.45 / 20 / ob.
250.17 / 3.64 / 20 / Cut
250.22 / 3.59 / 10
250.11 / 3.70
249.82 / 3.99 / 10
249.21 / 4.60 / 20.4 / Cut
250.24 / 3.57 / 20.4 / ob.
250.3 / 3.5 / 30

252.7 / 1.1 / 30
250.7 / 3.1 / 17
249.6 / 4.2
249.0 / 4.8 / 18
247.6 / 6.2 / 25
250.1 / 3.7 / 30

253.81

246.2 / +4.3 / 30
239.0 / 2.9 / 17
237.1 / 4.2
236.5 / 5.4 / 25
233.4 / 8.5 / 29.5 / Grd.
233.41 / 8.52 / 29.5 / Invert
239.6 / 2.3 / 37

242.1 / +10.2 / 40
241.1 / +4.12 / 30
239.0 / 2.9 / 20
235.7 / 6.2 / 9
239.9 / 7.0
241.93
234.3 / 7.6 / 27
235.9 / 6.0 / 30
241.2 / +2.3 / 45

241.4 / 0.8 / 45
243.6 / 8.6 / 30
236.4 / 15.8 / 16
235.4 / 16.8
235.1 / 16.5 / 18
240.9 / 11.3 / 30
251.0 / 1.2 / 46 / 5.4 of walk
251.1 / 1.1 / 48.3 / At house

245.6 / 6.9 / 50
231.1 / 14.5 / 30
231.0 / 15.2 / 6
238.1 / 13.5
249.9 / 2.3 / 30
256.1 / +3.9 / 46 / 3.1 on walk
256.1 / +3.9 / 48.3 / walk at house

252.20

Myrtle

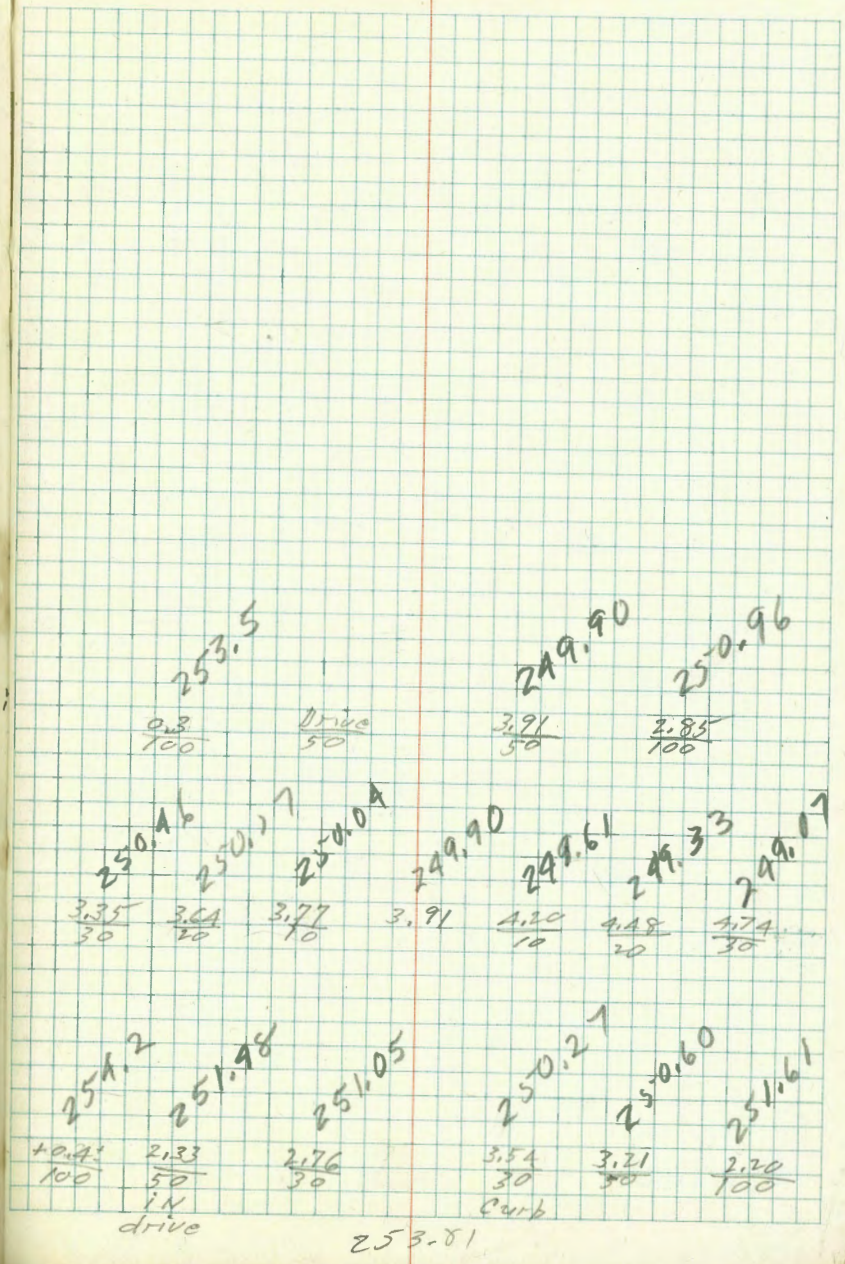
N.W.B.R Myrtle — 2.35 — 251.46 — (251.50)
Alabama

2+85 [illegible] Cont.

2+85 E. gutter.

2+85 44 E. Ch. Alab.

253.81



IMPROVED TABLES AND INFORMATION

HORIZONTAL STADIA CORRECTIONS

2°—00′	— 0.1	21°—00′	— 12.8	33°—00′	— 29.7
3°—00′	— 0.3	21°—30′	— 13.4	33°—15′	— 30.1
4°—00′	— 0.5	22°—00′	— 14.0	33°—30′	— 30.5
5°—00′	— 0.8	22°—30′	— 14.7	33°—45′	— 30.9
6°—00′	— 1.1	23°—00′	— 15.3	34°—00′	— 31.3
7°—00′	— 1.5	23°—30′	— 15.9	34°—15′	— 31.7
8°—00′	— 1.9	24°—00′	— 16.5	34°—30′	— 32.1
9°—00′	— 2.5	24°—30′	— 17.2	34°—45′	— 32.5
10°—00′	— 3.0	25°—00′	— 17.9	35°—00′	— 32.9
10°—30′	— 3.3	25°—30′	— 18.6	35°—15′	— 33.3
11°—00′	— 3.6	26°—00′	— 19.2	35°—30′	— 33.7
11°—30′	— 4.0	26°—30′	— 19.9	35°—45′	— 34.1
12°—00′	— 4.3	27°—00′	— 20.6	36°—00′	— 34.6
12°—30′	— 4.7	27°—30′	— 21.3	36°—15′	— 35.0
13°—00′	— 5.1	28°—00′	— 22.0	36°—30′	— 35.4
13°—30′	— 5.5	28°—30′	— 22.8	36°—45′	— 35.8
14°—00′	— 5.9	29°—00′	— 23.5	37°—00′	— 36.2
14°—30′	— 6.3	29°—30′	— 24.3	37°—15′	— 36.6
15°—00′	— 6.7	30°—00′	— 25.0	37°—30′	— 37.1
15°—30′	— 7.2	30°—15′	— 25.4	37°—45′	— 37.5
16°—00′	— 7.6	30°—30′	— 25.8	38°—00′	— 37.9
16°—30′	— 8.1	30°—45′	— 26.2	38°—15′	— 38.3
17°—00′	— 8.5	31°—00′	— 26.5	38°—30′	— 38.7
17°—30′	— 9.0	31°—15′	— 26.9	38°—45′	— 39.1
18°—00′	— 9.5	31°—30′	— 27.3	39°—00′	— 39.6
18°—30′	— 10.1	31°—45′	— 27.7	39°—15′	— 40.0
19°—00′	— 10.6	32°—00′	— 28.1	39°—30′	— 40.5
19°—30′	— 11.2	32°—15′	— 28.5		
20°—00′	— 11.7	32°—30′	— 28.9		
20°—30′	— 12.3	32°—45′	— 29.3		

Chains to Feet	
1	66
2	132
3	198
4	264
5	330
6	396
7	462
8	528
9	594
10	660

Feet to Chains	
100	1.515
200	3.030
300	4.545
400	6.060
500	7.575
600	9.090
700	10.606
800	12.121
900	13.636
1,000	15.151

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope 1½ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE No. 9.

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections.

Degree of curve with a given I may be found by dividing tangent, (or external), opposite I by given tangent, (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent lenth divided by twice the radius.

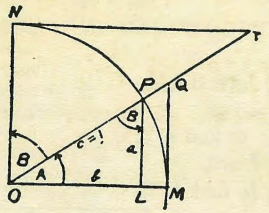


TABLE II

TRIGONOMETRIC FORMULÆ.

$\angle A = \angle MOP \qquad \angle B = \angle PON = \angle OPL$

$R = OB = c = 1$

$$\sin A = \frac{a}{c} = \frac{a}{1} = a = \cos B = LP$$

$$\cos A = \frac{b}{c} = \frac{b}{1} = b = \sin B = OL$$

$$\tan A = \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ$$

$$\cot A = \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT$$

$$\sec A = \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ$$

$$\csc A = \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT$$

$$\text{vers } A = \frac{LM}{OP} = LM = \text{covers } B \#$$

$$\text{covers } A = \frac{OP - LP}{OP} = OP - LP = \text{vers } B$$

$$\text{exsec } A = PQ = \text{coexsec } B$$

$$\text{coexsec } A = PT = \text{exsec } B$$

$$\sin \tfrac{1}{2} A = \sqrt{\frac{1 - \text{Cos } A}{2}} \qquad \cos \tfrac{1}{2} A = \sqrt{\frac{1 + \text{Cos } A}{2}}$$

$$\sin 2A = 2 \sin A \cos A \qquad \cos 2A = \cos^2 A - \sin^2 A$$

$$\text{Law of Lines} \quad \frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C}{C}$$

$$\text{Law of Cosines} \quad c^2 = a^2 + b^2 - 2ab \cos C$$

$$\text{Law of Tangents} \quad \frac{a+b}{a-b} = \frac{\tan \tfrac{1}{2}(A+B)}{\tan \tfrac{1}{2}(A-B)}$$