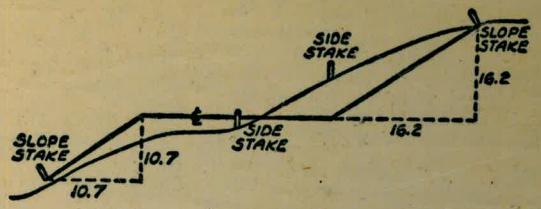
#807 – #2



Distances from Side Stakes for Cross-Sectioning

Slope 1 to 1. Roadway of Any Width

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	0
1	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1
2	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	2
3	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3
4	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	4
5	5.00	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	5
6	6.00	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	6
7	7.00	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	7
8	8.00	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	8
9	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	9
10	10.00	10.10	10.20	10.30	10.40	10.50	10.60	10.70	10.80	10.90	10
11	11.00	11.10	11.20	11.30	11.40	11.50	11.60	11.70	11.80	11.90	11
12	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.70	12.80	12.90	12
13	13.00	13.10	13.20	13.30	13.40	13.50	13.60	13.70	13.80	13.90	13
14	14.00	14.10	14.20	14.30	14.40	14.50	14.60	14.70	14.80	14.90	14
15	15.00	15.10	15.20	15.30	15.40	15.50	15.60	15.70	15.80	15.90	15
16	16.00	16.10	16.20	16.30	16.40	16.50	16.60	16.70	16.80	16.90	16
17	17.00	17.10	17.20	17.30	17.40	17.50	17.60	17.70	17.80	17.90	17
18	18.00	18.10	18.20	18.30	18.40	18.50	18.60	18.70	18.80	18.90	18
19	19.00	19.10	19.20	19.30	19.40	19.50	19.60	19.70	19.80	19.90	19
20	20.00	20.10	20.20	20.30	20.40	20.50	20.60	20.70	20.80	20.90	20
21	21.00	21.10	21.20	21.30	21.40	21.50	21.60	21.70	21.80	21.90	21
22	22.00	22.10	22.20	22.30	22.40	22.50	22.60	22.70	22.80	22.90	22
23	23.00	23.10	23.20	23.30	23.40	23.50	23.60	23.70	23.80	23.90	23
24	24.00	24.10	24.20	24.30	24.40	24.50	24.60	24.70	24.80	24.90	24
25	25.00	25.10	25.20	25.30	25.40	25.50	25.60	25.70	25.80	25.90	25
26	26.00	26.10	26.20	26.30	26.40	26.50	26.60	26.70	26.80	26.90	26
27	27.00	27.10	27.20	27.30	27.40	27.50	27.60	27.70	27.80	27.90	27
28	28.00	28.10	28.20	28.30	28.40	28.50	28.60	28.70	28.80	28.90	28
29	29.00	29.10	29.20	29.30	29.40	29.50	29.60	29.70	29.80	29.90	29
30	30.00	30.10	30.20	30.30	30.40	30.50	30.60	30.70	30.80	30.90	30
31	31.00	31.10	31.20	31.30	31.40	31.50	31.60	31.70	31.80	31.90	31
32	32.00	32.10	32.20	32.30	32.40	32.50	32.60	32.70	32.80	32.90	32
33	33.00	33.10	33.20	33.30	33.40	33.50	33.60	33.70	33.80	33.90	33
34	34.00	34.10	34.20	34.30	34.40	34.50	34.60	34.70	34.80	34.90	34
35	35.00	35.10	35.20	35.30	35.40	35.50	35.60	35.70	35.80	35.90	35
36	36.00	36.10	36.20	36.30	36.40	36.50	36.60	36.70	36.80	36.90	36
37	37.00	37.10	37.20	37.30	37.40	37.50	37.60	37.70	37.80	37.90	37
38	38.00	38.10	38.20	38.30	38.40	38.50	38.60	38.70	38.80	38.90	38
39	39.00	39.10	39.20	39.30	39.40	39.50	39.60	39.70	39.80	39.90	39
40	40.00	40.10	40.20	40.30	40.40	40.50	40.60	40.70	40.80	40.90	40
41	41.00	41.10	41.20	41.30	41.40	41.50	41.60	41.70	41.80	41.90	41
42	42.00	42.10	42.20	42.30	42.40	42.50	42.60	42.70	42.80	42.90	42
43	43.00	43.10	43.20	43.30	43.40	43.50	43.60	43.70	43.80	43.90	43
44	44.00	44.10	44.20	44.30	44.40	44.50	44.60	44.70	44.80	44.90	44
45	45.00	45.10	45.20	45.30	45.40	45.50	45.60	45.70	45.80	45.90	45
46	46.00	46.10	46.20	46.30	46.40	46.50	46.60	46.70	46.80	46.90	46
47	47.00	47.10	47.20	47.30	47.40	47.50	47.60	47.70	47.80	47.90	47
48	48.00	48.10	48.20	48.30	48.40	48.50	48.60	48.70	48.80	48.90	48
49	49.00	49.10	49.20	49.30	49.40	49.50	49.60	49.70	49.80	49.90	49
50	50.00	50.10	50.20	50.30	50.40	50.50	50.60	50.70	50.80	50.90	50

Distance of slope stake from side or shoulder stake for any width roadway, slope 1 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.

2,73

457.40

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TABLE XIII—CORRECTIONS FOR TANGENTS AND EXTERNALS

These corrections are to be added to the approximate values, found by dividing the tangent, or external, for a 1° curve (Table VIII) by the degree of curve, in order to obtain the true tangents, or externals. Intermediate values may be obtained by interpolation.

FOR TANGENTS ADD

Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	03	.06	09	13	16	19	.22	.25	.28	.31	34	38	42	.46
15°	04	10	14	19	24	.29	.34	.39	45	.51	.53	58	.63	.68
20°	06	.13	19	.26	.32	.39	.45	.51	.58	.65	.72	79	.84	.90
25°	.08	16	24	.33	40	49	.58	67	.75	.83	90	.99	1.06	1.14
30°	10	19	.29	39	49	.59	.69	79	.89	.99	1.09	1.20	1.29	1.39
35°	11	22	.34	47	.58	.69	.70	.81	.92	1.04	1.29	1.42	1.54	1.66
40°	13	.26	.40	.53	.67	.80	.93	1.06	1.20	1.34	1.49	1.64	1.79	1.94
45°	15	.30	44	60	76	91	1.06	1.21	1.37	1.52	1.70	1.87	2.04	2.21
50°	17	.34	.51	.68	.85	1.02	1.19	1.36	1.54	1.72	1.91	2.10	2.29	2.48
55°	19	38	.57	76	.95	1.14	1.32	1.52	1.72	1.92	2.14	2.35	2.56	2.77
60°	21	42	.63	.84	1.05	1.27	1.49	1.71	1.94	2.17	2.38	2.60	2.83	3.07
65°	23	46	.69	.93	1.16	1 40	1.64	1.88	2.13	2.38	2.63	2.88	3.13	3.39
70°	25	.51	76	1.02	1.28	1.54	1.80	2.06	2.33	2.60	2.88	3.16	3.44	3.72
75°	.27	.56	.83	1.12	1.40	1.69	1.98	2.27	2.57	2.87	3.16	3.47	3.78	4.09
80°	30	.61	91	1.22	1.53	1.84	2.15	2.46	2 78	3.10	3.44	3.78	4.12	4.46
85°	33	66	1.00	1.33	1.68	2.02	2.36	2 70	3.05	3.40	3.77	4.14	4.55	4 89
90°	36	.72	1.09	1.45	1.83	2.20	2.57	2.94	3.32	3.70	4.10	4.50	4.91	5.32
95°	39	79	1.19	1.55	2.00	2.40	2.80	3.20	3.61	4.02	4.40	4.98	5.38	5.83
100°	43	.86	1.30	1.74	2.18	2.62	3.06	3.50	3.95	4.40	4.88	5.37	5.85	6.34
110°	51	1.03	1.56	2.08	2.61	3.14	3.67	4.21	4 76	5.31	5 86	6.43	7 01	7 60
120°	62	1.25	1 93	2.52	3.16	3.81	4 45	5.11	5.77	6 44	7 12	7.80	8.50	9 22

FOR EXTERNALS ADD

Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.063	.070	.076	.083
25°	.009	.018	.027	036	.046	.056	.065	.074	.083	.093	.106	120	127	135
30°	.013	.025	.038	.051	.065	.078	.090	.103	.116	.129	.149	.170	.179	.188
35°	.018	.035	.054	.072	.086	.109	.131	.153	.175	.197	.213	.230	.247	.264
40°	.023	.046	.070	.093	.117	.141	.172	.203	.234	.265	.277	.290	.315	.341
45°	.030	.060	.093	.119	.153	.184	.216	.254	.289	.325	.351	.378	.411	.445
50°	.037	.075	.116	.151	.189	.227	.266	.305	.345	.384	.425	.467	.508	.550
55°	.046	.093	.142	.188	.236	.283	.332	.381	.420	.479	.530	.582	.641	.700
60°	.056	.112	.168	.225	.283	.340	.398	.457	.516	.575	.636	.697	.774	.851
65°	.067	.135	.204	.273	.343	.412	.483	.554	.625	.697	.711	.845	.922	1.01
70°	.080	.159	.240	.321	.403	.485	.568	.652	.735	.819	.906	.994	1.08	1.17
75°	.095	.182	.286	.383	.480	.578	.678	.777	.877	.977	1.07	1.18	1.29	1.39
80°	.110	.220	.332	.445	.558	.671	.787	.903	1.02	1.13	1.25	1.38	1.50	1.62
85°	.128	.259	.391	.524	.657	.790	.926	1.06	1.20	1.34	1.47	1.62	1.76	1.91
90°	.149	.299	.450	.603	.756	.910	1.07	1.22	1.38	1.54	1.70	1.87	2.03	2.20
95°	.174	.350	.522	.706	.985	1.06	1.25	1.43	1.62	1.80	1.99	2.18	2.38	2.58
100°	.200	.401	.604	.809	1.01	1.22	1.43	1.64	1.85	2.06	2.28	2.50	2.73	2.96
110°	.268	.536	.806	1.08	1.35	1.63	1.91	2.20	2.48	2.76	3.05	3.35	3.66	3.96
120°	.360	.721	1.08	1.45	1.82	2.19	2.57	2.95	3.33	3.72	4.11	4.50	4.91	5.32

Relocation Midway Drive - at Bridge - Pg. 7 alice ✓

6" P.L. Alley - Park to Orange - 46th - Clarmonte 10-11 ✓

6" P.L. Tourmaline St - Cass - Mission Blvd 12-15 ✓

6" P.L. Alley Myrtle - Dwight - 44th - Highland 14 ✓

Meter Boxes - Tourmaline St. Bayard - Mission Blvd 15-16 ✓

" " Dwight - Myrtle - 44 - Highland 17 ✓

" " Commonwealth - Juniper - Ivy 18 ✓

" " 19

20

21

Meter Boxes - Yosemite - La Playa - Meeresland 22-23 ✓

6" C.I.P. - Felspar - Haynes - Ingraham 24 ✓

~~K.M. P.L. #2~~ Void 25-26

6" P.L. Langley - K - Island 28-29 ✓

Alley Monroe - 40, 1500 - 36th - 37th 30-34 ✓

" 36th - Cherokee - Madison - No. End 35-37 ✓

6" P.L. Xover - Reed & Dawes 38 ✓

K.M. P.L. #2 - Ties to K.pg P.L.p. 39 ✓

Meter Boxes Haynes - Roosevelt - Fortuna 40-42 ✓

X Over Alley at Haynes 44 ✓

Meter Boxes & P.Ls. So. Garnet St Pg. 8 45-47 ✓

			King	Shipman	Adams	West
		hr.				
Profile Tunnel ½ - #6 - Dulzura Conduit	48-53 ✓					
P.L. grades - 10th - Orinda - Avan - Cantyda	54 ✓	2-15	Kearney Mesa	8	8	8	
Barrett Dam Bldg - Stone Quarry - Grades	57-58 ✓	2-16	" "	8	8	8	
Meter Boxes - Alley Polk - Orange - Chamoune ¾	59-60 ✓	2-17	La Jolla Res.	8	8	8	
8" P.L. Juniper - Laurel on Commonwealth - Ivy	61-62 ✓	2-18	Kearney Mesa	8	8	8	
6" P.L. " - Ivy - Wesland - also Pentucket	63-64 ✓	2-21	" "	8	8	8	
6" C.I.P. Maple - Montclair - Heller - Vancouver - Heller	65-67 ✓	2-22	—	-	-	-	
Meter Boxes - Pentucket - Juniper - Ivy	68 ✓	2-23	El Capitan	8	8	8	
" " Felspar - Haynes - Ingraham	69 ✓	2-24	Kearney Mesa	8	8	8	
" " Wesland Juniper - Ivy	70 ✓	2-25	K. Mesa	8	8	8	
Lowering 6" - 63rd Montezuma No.	71 ✓	2-28		8	8	0	8
Meter Boxes - Maple - Hallett - Montclair	72 ✓	3-1	Bonita Reline	8	8		8
6" P.L. Polk - Uni - Menlo 47	73 ✓	3-2	Montezuma P.P.	"	"		"
Meter Boxes " " "	alice - ✓ 74-75	3-3	K.M.	"	"		"
		3-4	K.M.	"	"		"
		3-7	KM	"	"		"
		3-8	KM	"	"		"
		3-9	KM	"	"		"
		3-10	" "	"	"		"
		3-11	" "	"	"		"

		King	Shipman	West
3-14	K.M.	8	8	8
3-15	K.M.			
3-16	"			
3-17	"			
3-18	K.M.			
3-21 Mon	K.M.			
3-22	La-Res	4	4	4
	K.M.	4	4	4
3-23	K.M.			
3-24	K.M.	4	4	4
	~~La Jolla Res~~	4	4	4
3-25	Mission Bay Res	8	8	8
3-28 Mon	K.M	"	"	"
3-29	K.M	"	"	"
3-30	K.M	"	"	"
3-31	K.M	"	"	"
4-1 Fri	Mission St-2-587-5	8	8	8
4-4 Mon	Juniper St-4787	8	8	8
4-5	K.M			
4-6	K.M.			
4-7	K.M			

		Km	Shipman	West
4-8	K.M.	8	8	8
4-11	Novara	8	8	8
4-12	Bay View Res	8	8	8
4-13	K.M.	8	8	8
4-14	" "	8	8	8
4-15	" "	8	—	—
4-18	" "	0	—	—
4-19	" "	—	—	—
4-20	" "	—	—	—
4-21	" "	—	—	—
4-22	" "	—	—	—
4-25 M&N	K.M.	—	—	—
4-26	Alvarado Res	—	—	—
4-27	" Bay View Res	4	4	4
4-28	" " "	8		
4-29	K.M.			
May 5-2	K.M.			
5-3	" "			

		King	West	Shipman	Payne
5-4	K.M.				
5-5	K.M.				
5-6	K.M.				
5-9	K.M.				
5-10	Bay View Res & K.M.	4	4	4	4
5-11	K.M.				
5-12	" "				
5-13	" "				
5-16 M&M	" " Prof. 338	8	8	8	
5-17	" " "	8	8	8	8
5-18	Alvarado Canyon 31" Brine	8	8	88	8
5-19	K.M. P.L.	—	—	—	—
5-20	" "				
5-23 M	Bay View Res				
24	" " "				
25	San Vicente	8	8	8	8
26	" "	8	8	8	8
27	Catalina	8	8	8	8

		Kingon Vac.	Shipman	West	Payne	Conn.
May 31	Murray Lake		8	8	8	
June 1	Chesterton Linda Vista		8	8	8	
June 2	Chesterton Linda Vista		8	8	8	
June 3	Chesterton Linda Vista		8	8	8	
June 6	Chesterton		8	8	8	
June 7	KM		8	8	8	8
8	KM		8	8	8	8
9	KM		8	8	8	
13	KM		8	8	8	
14	KM		8	8		
15	Quince		8	8		
16	KM		8	8		
17	~~K.M.~~ Elec.		8	8		
S ~~18~~						
S ~~19~~						
June 20	Quince St. Acacia ~~C-235~~	8 4 4	8 4 4	8 4 4		
21	K.M. Z-St. ~~C-235~~	4 4	4 4	4 4		
22	K.M.	8	8	8		
23	K.M.	8	8	8		

		King	Shipman	West
	W.O. - 2-633-5 Ocean Beach			
June 24	Z-Alley BK 70	8	8	8
" 27	Evans St. P.L. 2-645-5	8	8	8
" 28	K. M.	8	8	8
" 29	Km Dulzura	4	4	4
" 30	K.M.	4	4	4
July 1	"			
2	—			
3	—			
4	—			
5	33rd St - 2-513-5 K.M.	4	4	
6	K.M.	8	8	
7	Roselawn	8	8	
8	Bristol	8	8	
9	—			
10	—			
11	" "	8	8	
12	" "	8	8	
13	" "	4	8	
14	Km 4 Bdwy	8	8	

Clyde West. off

" " with Beatty

H 2-492-5

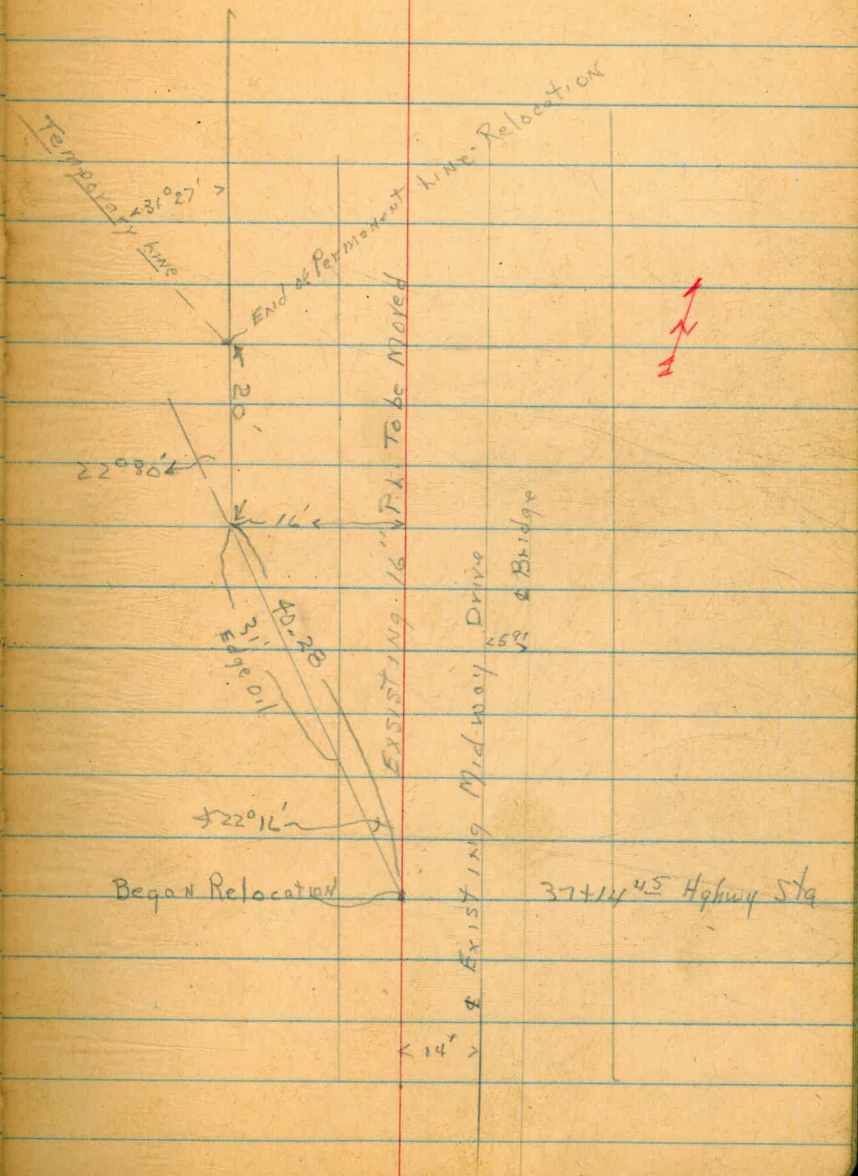
15
16 —
17 —
18 Bonita
19 "
20 K. M.
21 - Hodges
22 "
23 —
24 —
25 - Langley
26
27
28
29
30
31

Relocation
Midway Drive
Near Highway Sta 38+40

King
Shipman
West.

12-29-49

7



Ohalla Sta April 6th 50

	+		−		
B.M.	5.43	348.35			342.92
	11.32	357.45 ~~346.13~~	2.22	346.13	
	12.12	369.02	0.55	356.90	
	13.12	381.82	.32	368.70	
			9.25	372.57	ON Set
T.P.	11.40	388.42	4.80	377.02	
				11.72	376.70
	4.55	381.57		377.02	
	3.85	369.97	15.45	366.12	
	11.25	365.17	16.05	353.92	
	1.60	351.92	14.85	350.32	
	2.10	338.42	15.60	336.32	
	2.10	326.47	14.05	324.37	
	10.30	335.62 ~~335.27~~	1.05	325.32	
	11.25	335.72 344.37	2.15	333.57 333.12	333.47 11.25
		344.72	1.90	342.82 ~~342.47~~	

9

N.E. Cor. Gr. Box

381.82
~~.97~~
372.4
375.1

~~381.8~~
~~381.8~~
~~381.8~~
~~381.8~~

Up #1

381.6
.75
6.6

5392
11.25
65.17

TBM on R

11.6

370

338.4
~~33.5~~
3.4
5.9

338.4
37.5
.9

365
.60
5.2

0.9 = 37.5
3.4 = 35.0
5.9 = 32.5
8.4 30.
10.9 = 27.5
13.4 25
15.9 22.5

352
20.50
4.5 = 47.5
7.0 = 45.0
9.5 42.5
12.0 40.0
14.5 37.5

22

55
10.2

65
50
15.2

45

Alley 6" P.L. - Polk - Orange
Between - Chamouine - 46 St
8033-L Sheet

King West 10-10-50

B.M.	5.15	359.09			353.94	N.W.B.P. Orange & 46 St.
						Cut
5+50			5.0	354.1	353.4	4.4
5+00			5.0	354.1	353.4	4.4
4+50			5.4	353.7	353.2	4.2
4+00			5.9	353.2	352.5	4.4
3+50			7.0	352.1	351.5	4.3
3+00			8.0	351.1	350.6	4.2
2+50			8.7	350.4	349.8	4.3
T.P.	3.25	353.62	8.72	350.37		

6" P.L. Alley Orange-Polk Between 46 St & Chamaine

King West 10-10-50

11

		353.62					
2+00			3.8	349.8	449.3	4.2	
1+50			4.7	348.9	348.7	3.9	
1+00			4.4	349.2	348.4	4.5	
0+50			5.0	348.6	348.4	3.9	
0+00			5.0	348.6	348.4	3.9	
CK			4.85	348.77	348.83	Top curb	

Tourmaline St Oct 18, 50
Cass

	+	H.I.			
	3.67	114.07			
0+50			3.7	110.4	109.0
1+00			5.1	109.0	107.4
1+50			6.7	107.4	105.8
2+00			8.3	105.8	104.3
2+50			9.5	104.6	103.6
3+00	0.57		10.50	103.57	101.0
3+50		104.14	2.9	101.2	99.4
3+79.20			3.4	100.7 Bay and St	98.7 5
0+00			4.1	100.0	97.7
FH ℄			4.5	99.6	97.5
FH (5)			4.5	99.6	97.5
0+50			5.8	98.3	96.9
1+00			6.9	97.2	96.2
1+50			7.9	96.2	95.4
2+00			8.7	95.4	94.6
2+50			9.5	94.6	93.8

King
West
Baker

12

S.E.B.P. 110.40 Tourmaline & Cass

5.4	
5.6	
5.6	
5.5	105.5
6.0	104.0
6.4	1.5
5.8	
6.0	
6.3	
~~6.1~~ 2.1	
6.1 2.1	
5.4	
5.0	
4.8	
4.8	
4.8	

Tourmaline st
Cass - Mission Blvd

10-18-50

King
Baker
West

12

10+14

TP 3+00	1.74	95.96	9.92	94.22	93.0	5.2
3+50			2.4	93.6	92.2	5.4
4+00			3.2	92.8	91.4	5.4
4+50			4.0	92.0	90.7	5.3
5+00			4.8	91.2	89.9	5.3
5+50			6.0	90.0	88.1	5.8
6+00			7.2	88.8	87.4	5.3
6+50			8.3	87.7	87.6	4.1
			8.03	87.93		
N.E Curb Tourmaline			7.2	88.84	Mission Blvd	

Alley Myrtle Dwight
44th - Highland

11-1-50
King
West

W.O
22-248-62

B.M	4.55	341.18			336.63
0+22			4.4	336.6	335.8
1+00			2.3	338.9	338.0
1+15			2.4	338.8	338.3
1+64			1.1	340.1	339.3
T.P.	6.30	346.32	1.16	340.02	
~~1+89~~ 2+32			5.6	340.7	339.6
2+32			5.8	340.5	340.0
2+77			5.6	340.7	340.1
4+18			4.3	342.0	341.8
4+84			3.4	342.9	341.8
5+27			2.5	343.8	342.9
			1.93	344.44	

Meter Boxes
Bayard - Mission Blvd
Tourmaline SX

King West 11-2-50

15

T.B.M. 3+00	6.96	101.18			94.22	
0+32 S			2.6	98.6	97.2	C 1 4
0+44 S			3.0	98.2	96.7	C 1 5
0+73 S			3.7	97.5	96.6	C 0 9
1+20 S			4.7	96.5	95.8	C 0 7
1+71 S			5.6	95.4	95.0	C 0 6
2+21 S			6.0	95.2	94.2	C 1 0
2+70 S			6.7	94.5	93.6	C 0 9
3+19 S			7.2	94.0	92.8	C 1 2
3+71 S			7.7	93.5	92.0	C 1 5
4+22 S			8.6	92.4	91.1	C 1 5
4+72 S			9.3	91.9	90.1	C 1 9
5+19 S			10.0	91.2	89.7	C 1 5
5+70 S			10.8	90.4	88.8	C 1 6
6+40			11.8	89.4	87.7	C 1 7

Meter Boxes
Tourmaline
Mission Blvd — Bayard.

10.1.18

5+25	N.		8.6	92.2	90.4	C 1 8
4+72	N		7.9	93.3	91.2	C 2 1
4+33	N		7.5	93.7	91.8	C 1 9
3+85	N		6.5	94.7	92.5	C 2 3
3+30	N		6.5	94.7	93.3	C 1 4
2+83	N		5.9	95.3	94.0	C 1 3
2+18	N		4.9	96.3	95.0	C 1 3
1+65	N		4.0	97.2	95.8	C 1 4
1+32	N		4.2	97.0	96.3	C 0 7
0+65	N		2.5	~~98.7~~ 97.9	~~97.3~~	~~C 1 4~~ C 0.8
0+42	N		1.9	~~99~~ ~~98.3~~	~~97.7~~ 98.5	~~C 2 6~~ 1.8

King 11-2-18
West.

2.2

15

11-2-50
Knight
West

Meter Boxes
West side Alley - Dwight to Myrtle
44th - Highland

	5.37	34200			33463	
0+35			3.9	38.1	36.2	C 1 9
0+75			3.4	38.6	37.3	C 1 3
T.P.	5.95	34583	2.12	33988		
1+~~25~~ 37			5.7	40.1	38.7	C 1 4
1+64			5.2	40.6	39.3	C 1 3
2+25			4.9	40.9	39.9	C 1 0
2+83			4.5	41.3	40.2	C 1 1
3+40			5.0	40.8	40.4	C 0 4
3+82			4.3	41.5	40.6	C 0 9
4+25			4.1	41.7	41.2	C 0 5
4+98			2.7	43.1	42.6	C 0 5
5+39			1.7	44.1	43.8	C 0 3
5+50			1.7	44.1	44.0	C 0 1
CK.			2.00	43.83		

Meter Boxes
Common Weed 4
Juni. per-Ivy

King 11-22-50
Bakerit
West

B.M.	1.02	267.45			266.43	S.W.B.P. Juni. per & Common Weed 4
0+70 W			1.0	266.5	265.5	C 1.0
1+72 W			3.1	264.4	263.2	C 1.2
2+23 W			3.8	263.7	261.6	C 2.1
2+57.5 W			4.0	263.5	260.8	C 2.7
3+22 W			5.7	261.8	259.8	C 2.0
2+58 E			6.8	260.7	261.0	F 0.3
2+02 E			5.0	262.5	262.0	C 0.5
1+30 E			2.6	264.9	263.8	C 1.1
0+59 E			1.1	266.4	265.6	C 0.8
B.M.			-1.02	266.43		

		344.08					
3+14W			8.6	335.5	335.2	C O^{3}	
T.P.	3.96	338.14	9.90	334.18			
3+50			4.1	334.0	334.2	F O^{2} – C ~~0.6~~ 3.6	
3+48E			4.1	334.0	333.8	C O^{2}	
3+84W			4.5	333.6	332.9	C O^{7}	
3+91WE			5.2	332.9	332.8	C O^{1}	
4+00			5.3	332.8	332.2	C O^{6}	C 4.4
4+07E			5.6	332.5	331.8	C O^{7}	
4+24W			6.0	332.1	331.6	C O^{5}	
4+50			7.7	330.4	330.4	C O^{0}	C 3.8
T.P	8.01	344.18	1.97	336.17			
			3.25	340.83	340.89		

Alley 6' Transite T.L.
Myrtle–Dwight
Fairmount 43rd

B.M	3.19	344.08			340.89
0+32 E			2.9	341.2	339.6
0+37 W			3.5	340.6	339.5
0+58			4.2	339.9	339.2
0+76 E			4.4	339.7	339.2
0+89 W			4.4	339.7	338.9
1+00			4.8	339.3	338.8
1+18 E			5.0	339.1	338.4
1+33 W			5.0	339.1	338.2
1+50			5.8	338.3	337.8
1+67 W			5.9	338.2	337.6
1+74 E			6.0	338.1	337.6
2+00			6.4	337.7	336.8
2+25 W			6.5	337.6	336.8
2+38 E			7.3	336.8	336.2
2+61 E			7.3	336.8	335.7
2+68 W			6.8	337.3	336.0
2+50			7.3	336.8	335.8
3+00			6.8	337.3	335.2

King
West
Thomas

1-2-58

21

H.W.B.P.

C 1.6 N
C 1.4
C 0.7 C 4.5
C 0.5
C 0.8
C 0.5 C 4.3
C 0.7
C 0.9 4.5
C 0.5 C 4.3
C 0.6 5.3
C 0.5
C 0.9 C 4.7 4.8
C 0.8
C 0.6
C 1.4
C 1.3
C 1.0 C 5.0
C 2.4 C 5.9

Line & Grade for Meter Boxes
YOSEMITE St. Between LA PLAYA & MOORLAND DRS (CROWN POINT)

Baker ↑ Ch.
West. Ch.

Oct. 24, 1950
Clear - warm

	2.02	35.70		33.68	N.W. BP. Ingraham & Moorland GRADE
TP.	4.40	31.22	8.88	26.82	
0+00 S. PROP. LINE of LA PLAYA AVE.					
0+21 E			6.41	24.81	25.05 F-0.24
0+87½ E			5.58	25.64	25.20 C-0.44
1+08½ E			5.63	25.59	25.30 C-0.29
1+31 W			5.39	25.83	26.00 F 0.17
1+77 W			4.87	26.35	26.10 C 0.25
1+81 E			5.65	25.57	25.40 C 0.17
2+15 W			4.84	26.38	26.20 C 0.18
2+30½ E			5.20	26.02	25.60 C 0.42
2+47 W			4.79	26.43	26.40 C 0.0
2+78 E			5.05	26.17	25.70 C 0.47
3+03 E			4.80	26.42	25.80 C 0.62
3+05 W			4.50	26.72	26.60 C 0.12
3+54½ W			4.14	27.08	26.80 C 0.28
3+54½ E			4.92	26.30	25.90 C 0.40
4+29½ W			4.40	26.82	27.0 F 0.18
4+40 E			4.47	26.75	26.20 C 0.55

3/22

			Grade	
4+81 W		4.14	27.08	27.20 FO 1.2
4+82 E		5.02	26.20	26.30 FO 1.0
5+41 E		4.32	26.90	26.70 CO 2.0
5+60 E. CURB		4.23	26.99	26.97 Top of Curb begining of improvement on Yosemite Street.

6" C.I.P. Felspar
Haynes - Ingraham

B.M.	10.76	68.85			58.09
T.P.	7.09	75.47	0.47	68.38	
0+00			4.9	70.6	70.96
F.H.C			4.1	71.4	70.4
F.H. 5'OFF			4.2	71.3	70.4
0+50			5.5	70.0	70.2
1+00			5.6	69.9	69.9
+50			5.7	69.8	69.6
2+00			5.7	69.8	69.3
+50			5.8	69.7	69.0
3+00			6.2	69.3	68.6
+50			6.3	69.2	68.3
4+00			6.3	69.2	68.0
+50			6.4	69.1	67.6
5+00			7.7	67.8	67.3
				137.38	137.09

King Rainey T West 11-29-50

N.W. Cor. Gresham & Felspar

4.4	East B.P. Haynes
C 1.0	
C.0.9	
4.2	
4.2	
4.4	
4.7	
4.9	
4.9	
5.1	
5.3	
5.7	
4.7	
booted	

K.M.P.L. #2
Check Levels.

Shipman - 2-14-52
West -

B.M.	+	⊼	−	ELEV.		
	2.12	163.51			161.39	Ginney Sta. 382+00. K.M.P.L
TP1	2.02	152.60	12.93	150.58		Topo
TP2	2.15	141.77	12.98	139.62		
TP3	3.58	133.27	12.08	129.69		
TP4	1.10	121.30	13.07	120.20		
*TP5	12.98	130.43	3.85	117.45#		
TP6	11.22	139.19	2.46	127.97		
TP5	2.22	119.67			117.45	
TP7	4.88	111.76	12.79	106.88		
TP8	2.79	106.34	8.21	103.55		
TP9	3.12	97.41	12.05	94.29		
*TP10	12.42	104.65	5.18	92.23	92.23	ON ROCK IN PATH
TP11	8.19	112.41	0.43	104.22		
TP12			4.30	108.11		
TP10	6.36	98.59	11.39	0	92.23	
TP#11	3.45	90.65	2.88	87.20		
TP#12	3.34	91.11	12.92	87.77		
TP#13	1.19	79.38	2.50	78.19		
	49	77.37	9.71	76.88		

√ R-1

K.M.P. Lot #2

BM	+	⊼	−	Elev
	1.05	68.71		67.66
	12.78	89.66	2.50	76.88
	13.07	100.23		87.16

King West Shipman 2-20-52

Langley St. 6" P.L.
K-Island

B.M.	1.55	104.54		102.99		N.W.B.P. 27 & K
T.P.	11.48	108.69	7.33	97.21		
0+00 Prop.			12.8	95.9	96.0	3.9
0+50			7.7	101.0	102.0	3.0
1+00			2.0	106.7	108.3	2.4
T.P.	12.85	121.54	0.00	108.69		
1+50			8.6	112.9	114.4	2.5
2+00			2.4	119.1	120.4	2.7
T.P.	13.02	134.25	0.31	121.23		
2+50			8.9	125.4	126.6	2.8
3+00			3.2	131.1	132.6	2.5
T.P.	4.25	137.34	1.16	133.09		
3+50			3.0	134.3	134.7	3.6 ~~4.0~~

Langley St. P.L.6"
K-Island

137.34

King
Shipman
West

2-20-50

4+00			4.4	132.9	133.8	3.1
4+50			10.6	126.7	128.0	2.7
T.P.	1.14	126.04	12.44	124.90		
5+00			6.3	119.7	120.6	3.1
T.P.	0.30	113.70	12.64	113.40		
5+50			1.2	112.5	114.2	2.3
6+00			6.6	107.1	107.7	3.4
6+50			9.7	104.0	104.6	3.4
7+00			10.3	103.4	103.8	3.6
T.P.	2.01	104.68	11.03	102.67		
			6.64	98.04	98.03	B.P. S.W. 28 & Island

ash 33rd To Bancroft
5 offsets

Kirk
Shipman
July 29, 1949

	9.64	196.64		187.0		
0 + 00			9.9	186.7	187.0	3.7
0 + 50			6.8	189.8	188.2	5.6
1 + 00			5.3	191.3	188.4	6.9
1 + 50			4.0	192.6	190.2	6.4
2 + 00			3.6	193.0	191.3	5.7
2 + 30 - Curb Line			5.2	191.4		
F. H. ℄			3.8	192.8	191.5	1.3
F. H. 5' Off			4.0	192.6	191.5	1.1
			8.54	188.10		

Alley between 37 + 38th
from Monroe to Madison

Rainey
West
Shipman

				391.51	S.E. B.P. Wilson + Monroe	
	0.85	392.36				
T.P. #1			12.66	379.70		3.5 cut given to bottom of pipe as a straight grade was taken from curb to curb
	5.42	385.72				
curb 0+00			5.89	379.23		
0+50			4.6	381.1 ~~380.5~~	380.2 ~~378.2~~ ~~378.7~~	4.9 C ~~5.3~~
1+00			5.8	379.9 ~~379.3~~	379.8 ~~378.2~~	4.1 C ~~4.6~~
1+50			6.2	379.5 ~~378.9~~	379.5 ~~377.7~~	4.0 C ~~4.7~~
Sewer M.H.			7.3			
2+00			6.6	379.1 ~~378.5~~	379.1 ~~377.2~~	C 4.0 ~~C 4.8~~
2+50			6.4	379.3 ~~378.7~~	378.8 ~~376.7~~	C 4.5 ~~C 5.5~~
3+00			9.3	376.4 ~~375.8~~	~~378.7~~ ~~376.2~~ 376.2	C 3.5
curb 3+00			8.9	~~376.2~~		

VOID

Alley between 37th & 38th
Monroe to Wilson

Rainey
West
Shipman

	0.53	387.21		386.68	S.E.B.P. Monroe & Cherokee	
			6.76	380.35		
	5.29	385.64				
Curb on ~~Mads~~ Monroe			5.75	379.89	38	
service 0+46 W.			4.73	380.91	380.51	C 0.40
service 0+63 E			5.13	380.51	380.41	C 0.10
0+99 W			5.58	380.06	380.06	Grade
1+27 E			5.95	379.69	379.9	up 0.20
1+33 W			6.16	379.48	379.95	up 0.47
1+58 W			6.29	379.35	379.86	up 0.51
1+65 E			6.54	379.10	379.80	up 0.70
1+90 E			6.58	379.06	379.43	up 0.37
2+09 W			6.33	379.31	379.30	Grade
2+45 W			6.44	379.20	279.0	C 0.20
2+78 W			6.54	379.10	228.2	C 1.10
	7.43	394.11		386.68		
			1.85	392.26		

T Alley-Wilson - 36th
@ Madison

	3.86	397.68		393.82
0+50			4.4	393.1
0+68 Lt.			4.80	392.88
1+00			4.6	393.1
1+01 Rt			4.58	393.10
1+22 Rt			4.57	393.11
1+29 Lt.			4.95	392.73
1+50			4.7	393.0
1+65 Lt.			4.66	393.02
2+00			4.5	393.2
2+20 Rt			4.80	392.88
2+22 Lt			4.61	393.07
T.R 3.92	3.92	397.10	4.50	393.18
2+50			4.5	392.6
2+53 Rt			4.50	392.6
			4.81	392.29

King
Sherman
West

3a

	Cut
392.4	4.7
392.58	0.30
392.2	4.9
392.48	~~0.52~~ 0.42
392.46	0.65
392.60	~~0.74~~ 0.13
392.3	4.7
392.52	~~0.66~~ 0.50
392.0	5.2
392.18	0.70
392.17	0.90
392.9	4.7
392.6	0.66
392.0	0.29

T- Alley - Wilson - 36th OFF
Madison

King
Shipman
West

	397.10					
2+81 Rt			4.45	392.65	391.88	0.77
2+80 Lt.			4.26	392.84	392.20	0.64
3+00			4.7	392.4	391.8	4.6
3+17 Rt			4.90	392.20	391.77	0.43
3+35 Lt.			4.97	392.13	392.00	~~0.40~~ 0.13
3+50			5.0	392.10	391.6	4.4
3+58 Rt			5.03	392.07	391.66	0.41
3+78 Lt			5.07	392.03	391.78	0.25
4+00			5.0	392.1	391.4	4.7
4+18			5.03	392.07	391.47	0.60
4+31 Rt			5.11	391.99	391.44	0.55
4+50			5.4	391.7	391.3	4.4
4+71 Lt			5.06	392.04	391.65	0.39
5+00			5.1	392.0	391.1	4.9
5+21 Rt			4.80	392.30	391.23	1.07
5+35 Lt.			5.25	391.85	391.37	0.48
5+50			4.6	392.5	39.10	5.0

J. Alley Wilson - 36th
OFF Madison

	397.10		
5+76 Lt.		5.74	391.96
5+99 Rt		5.60	391.50
6+00		5.6	391.5
6+02 Lt		5.16	391.94
6+34 Rt		5.78	391.32
6+50		5.6	391.5
		4.45	392.65

King
Shipman
West

391.15	0.81
391.00	0.50
390.9	4.6
391.10	0.84
390.93	0.39
390.7	4.8

Alley between 36th & Cherokee from Madison to "N" end

	0.19	393.86		393.67		
			6.30	387.56	"N" curb return	
0+28 E			3.93	389.93	388.60	C 1.33
0+50 TP			3.86	390.00	389.0	C 5.0
	4.07	394.07				
0+61	E		4.27	389.80	389.32	C 0.48
0+63	W		4.30	389.77	389.40	C 0.37
0+90	E		4.56	389.51	389.38	C 0.19
1+00			4.2	389.9	389.0	C 4.9
1+24	W		4.70	389.37	389.61	C 0.24
0+27	E		4.49	389.58	389.24	C 0.34
0+50			4.5	389.6	388.8	C 4.8
1+72	E		4.73	389.34	389.05	C 0.29
1+73	W.		4.48	389.59	389.01	C 0.58
2+00			4.6	389.5	388.7	C 4.8
2+24	W.		4.99	389.08	388.95	C 0.13
2+39	E		5.04	389.03	388.85	C 0.18
2+50			4.9	389.2	388.6	C 4.6

	394.07				
2+66 E		4.49	389.58	388.80	C 0.78
2+75 W		5.06	389.01	388.80	C 0.21
3+00		4.6	389.5	388.5	C 5.0
3+33 W		4.03	390.04	388.60	C 1.44
3+36 E		4.56	389.51	388.58	C 0.93
3+50		4.7	389.4	388.3	C 5.1
3+83 E		4.59	389.48	388.40	C 1.08
3+87 W		4.84	389.23	388.38	C 0.85
4+00		4.7	389.4	388.2	C 5.2
4+31 E		5.00	389.07	388.30	C 0.77
4+48 W		5.40	388.67	388.26	C 0.41
4+50		5.3	388.8	388.0	C 4.8
4+79E		5.47	388.60	388.10	C 0.50
4+84 W		5.10	388.97	388.14	C 0.83
5+00		5.2	388.9	387.8	C 5.1
5+36 W		5.65	388.42	387.90	C 0.52
5+39 E		6.01	388.06	387.70	C 0.36
5+50		5.85	388.22	387.5	C 1.7

		394.07				
5+52 W			5.96	388.11	387.70	C 0.41
5+76 E			6.43	388.64	387.42	C 0.22
6+00			6.5	387.6	387.2	4.4 C 4.6
CL to 6+00 E			6.6	387.5		

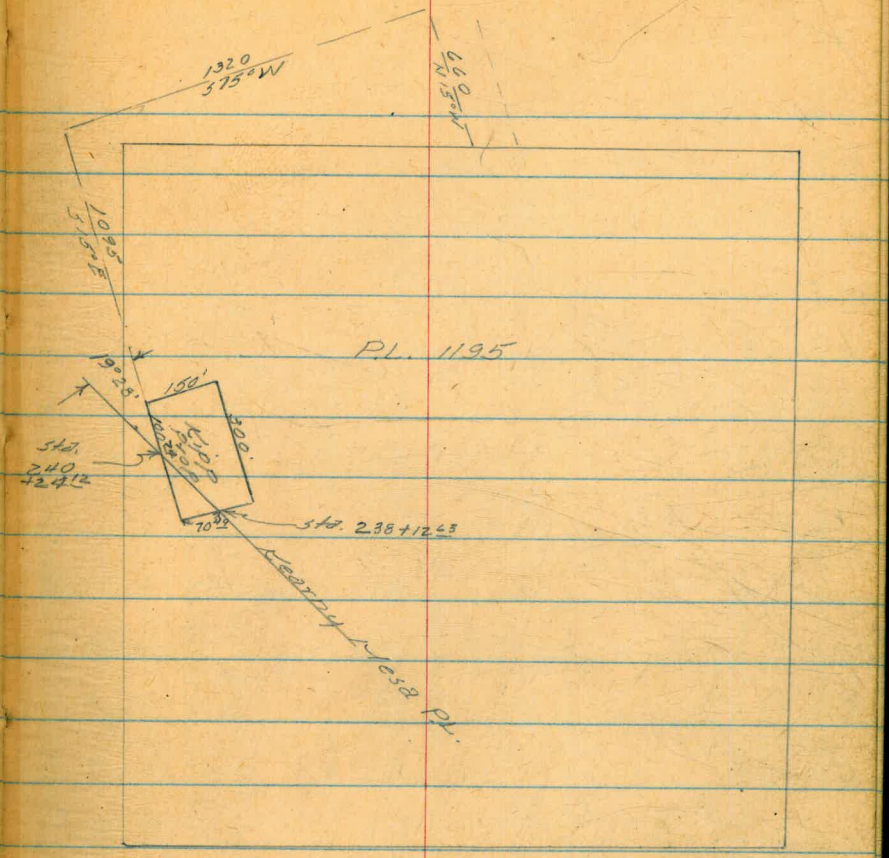
6" P.L. X-over
Dawes St. at Reed
& Thomas St.

Beatty
King
Leonard
West.

8-29-50

		Reed					
T.B.M.	4.40	13.87			9.47		
0+25			4.7	09.2	04.8	4.4	
0+50			5.0	08.9	04.8	4.1	
0+78			4.6	09.3	04.8	4.5	
T.P.	7.79	19.72	1.94	11.93			
		Thomas					
			7.6	12.7		Top P.L	
			7.9	11.8		Bottom Conduit	
			4.2	15.5	11.0	4.5	
			4.4	15.3	10.7	4.6	
			4.0	15.7	10.5	5.2	
			3.66	16.06		Top Curb B.C. No. S. du	

Ties. Kipp Property
K.M. P.L. #2



Meter Boxes
Haynes St.
Roosvelt-Fortuna

8-7-50
King
West
Shipman

B.m	12.49	31.96			19.47	La Playa & Riviera N.E. B.P.
T.P	12.67	44.23 ~~43.23~~	0.40	31.56		
0+25 E			3.4	40.8 ~~39.8~~	36.2	C 4.6
0+60 E			3.4	40.8 ~~39.8~~	36.3	C 4.5
0+37 W			5.1	39.1 ~~38.1~~	36.1	C 3.0
T.P	4.86	43.97 ~~42.97~~	5.12	39.11 ~~38.11~~		
1+71 W.			6.9	37.1 ~~36.1~~	36.8	E 0.3
1+95 E			3.6	40.4 ~~39.4~~	37.0	C 3.4
2+59 E			4.3	39.7 ~~38.7~~	37.4	C 2.3
3+02 E			5.1	38.9	37.6	C 1.3
2+74 W.			9.1	34.9 ~~33.9~~	37.2	E 2.3
3+93 W			8.7	35.3 ~~34.3~~	37.5	E 2.5
3+94 E			4.6	39.4 ~~38.4~~	38.2	C 1.2
~~3+95 W~~				~~35.5~~		
4+15 E			4.2	39.8	38.3	C 1.5
4+35 W				35.9	38.0	E 2.1
4+59 W			6.9	37.1	38.1	E 1.0
4+87 E			4.6	39.4 ~~38.4~~	38.7	E 0.7
5+33 E			4.3	39.7 ~~38.7~~	39.0	E 0.7
5+92 E			2.8	~~40.2~~ 41.2	39.2	C 2.0
T.P			3.15	~~37.82~~	40.82	Top Sewer M.H

Meter Box grades
Haines
from Fortuna to
Pacific Beach Drive

Rainey
King
West

Aug. 8, 1950

East.	10.00	50.82 ~~49.82~~			40.82 ~~39.82~~	Top. Mtl. Haynes N Fortuna
0+03			8.2	41.6	40.1	C 2.5
1+24			6.1	43.7	42.6	C 2.1
1+42			5.8	44.0	42.9	C 2.1
2+15			4.9	44.9	44.3	C ~~0.6~~ 1.6
2+73			3.6	46.2	45.4	C ~~0.8~~ 1.8
3+39			1.7	48.1	46.9	C 2.2
West						
0+75			7.9	41.9	41.0	C ~~0.9~~ 1.9
1+03			7.3	42.5	41.6	C ~~0.9~~ 1.9
2+10			6.2	43.6	43.7	F ~~0.1~~ 1.1
2+34			4.6	45.2	46.2	C ~~0.0~~ 1.0
3+50			2.4	47.4	46.6	C 0.8 1.8
T.P.			2.42	48.40		
West cont.	7.04	55.44 ~~54.44~~				
4+10			5.5	48.9	47.8	C 2.1
4+57			4.5	49.9	48.6	C 2.3
5+12			3.8	50.6	49.6	C 2.0

	55.44 ~~54.44~~			
East				
4+21		3.1	51.3	48.5 C 3.8
4+46		2.0	52.4	49.5 C 3.9
T.B.M.		2.85	52.59	"S" Top M.H. Pacific Bell Drive + Haines
	1.02 53.61			
T.P.		12.01	41.60 ~~40.60~~	
	0.25 41.85 ~~40.85~~			
		11.50	30.35 ~~29.35~~	

Levels Top 16" C.I. Pipe
Fortuna - P.B. Drive
ON Haynes - 22.5 m East Prop Line

			Top 16" C.I.P.	Top curb
	10.81	51.63		40.82
0+03			13.3	3.83	40.1
1+23			11.3	40.3	42.6
1+42			10.8	4.08	42.9
2+15			9.3	42 3	44.3
2+78			8.0	43.6	45.4
			10.81	40.82	

Cover
Top. M.H. Fortuna at Haynes

1.8	00 ± N. Prop. Line Fortuna
2.3	
2.1	
2.0	
1.8	

8-29-50

#4

X-over
Oliver St.
at-Haynes

Beatty T
King-N
Leonard
West

B.M	0.81	51.55			50.74	
0+00			7.3	44.3	38.5	5.8
+25			7.3	44.3	38.1	6.2
+50			8.2	43.4	37.7	5.7
+80			8.7	42.9	37.3	5.6
		Reed St. X-over at Haynes				
0+00			3.4	48.2	42.5 ~~41.8~~	5.7 ~~6.4~~
0+25			2.9	48.7	42.4	6.3
0+50			2.9	48.7	42.4	6.3
0+80			3.4	48.2	42.3	5.9

Meter Boxes

Haines St.

King . 7-9-50
West
Leonard

0+00 - Soking Olive st - To P.B. Drive

.	4.35	56.94			52.59	
2+92 E			3.8	53.1	50.1	C 3.0
~~2+36 E~~			5.7	51.2	48.4	C 2.4
1+78 E			7.5	49.4	47.7	C 1.7
1+36 E			9.1	47.8	46.3	C 1.5
1+92 W			9.5	47.4	47.2	C 0.2
T.P	4.35	49.14	12.15	44.79		
0+64 W			5.0	44.1	44.0	C 0.1
0+44 W			5.5	43.6	43.5	C 0.0
		0+00 - N Live Olive - Reed				C 1.1
0+31 W			5.0	44.1	43.0	~~C 1.1~~
~~0~~+46 W			4.0	45.1	44.8	C 0.3
1+75 ~~2+04~~ E			3.5	45.6	45.5	C 0.1
T.P.			3.49	So 45.65		Ginney 2+04 East-side

King West 9-7-50

Lowering 6" Pipe
Hornblend.
Jewel-Lamont St

B.M	2.58	62.93			60.35	S.W. cor Jewell - Hornblend - 7' Lat
0+50			4.4	58.5	54.4	4.1
1+00			5.7	57.2	53.3	4.0
1+50			6.9	56.0	52.0	4.0
2+00			8.0	54.9	50.8	4.1
2+50			9.0	53.9	49.8	4.1
3+00			9.4	53.5	49.5	4.0
T.P.	4.27	58.64	8.56	54.37		
3+50			5.2	53.4	49.4	4.0
4+00			5.4	53.2	49.2	4.0
4+50			5.5	53.1	49.0	4.1
5+00			5.7	52.9	48.8	4.1
5+50			5.2	53.4	48.8	4.6
6+00			5.4	53.2	48.9	4.3
6+50			5.0	53.6	49.4	4.2
7+00			4.7	53.9	49.8	4.1
7+50			4.4	54.2	50.2	4.0
8+00			3.9	54.7	50.6	4.1

Lowering-6" CIP
Hornblend St.
Jewel-Lamont

King West

9-7-50

58.64

T.P.	7.92	62.64	3.92	54.72	~~51.2~~		
8+50			7.4	55.2	51.2	4.0	
9+00			6.9	55.7	51.6	4.1	
9+50			6.1	56.5	52.4	4.1	
10+00			5.1	57.5	53.8	4.0	
10+50			3.8	58.8	55.0	4.0	
10+80			3.1	59.5	55.8	4.0	
B.M.			2.52	60.12	60.03	B.P. S.W. Cor. Lamont & Hornblend	

Profile
Tunnel # 1/2 + 5/8
Dulzura Conduit

King
Baker ✗
West

9-11-52

	-9.40	1500.97			1510.37		
16+56	3.52	1504.49					
16+56			-3.60	1500.89		End Flume #6 - ON CONC.	
16+56			-3.63	1500.86		End " " ON CONC.	
17+00			+1.34	1505.83	1500.86	4.97 ✓ ON ceiling	
17+50			+1.38	1505.87	1500.83	5.04 ✓	
18+00			+1.06	1505.55	1500.80	4.75 ✓	
18+50			+1.04	1505.53	1500.70	4.77 ✓	
19+00			+0.88	1505.37	1500.72	4.65 ✓	
T.P.	+4.27	1504.80	-3.96	1500.53			
19+42			+2.52	1507.32	1500.69	6.63	F.25
19+74 3			+2.55	1507.35	1500.67	6.68	F.22
20+27 73			+1.26	1506.06	1500.63	5.43	F.22
20+64 41			+2.19	1506.99	1500.61	6.38	F.37
21+18			+2.31	1507.11	1500.57	6.54	F.26
21+97 1			+1.65	1506.45	1500.51	5.94	F.02
22+14 81			+1.55	1506.35	1500.50	5.85	F.19
22+88 52			+2.36	1507.16	1500.45	6.71	F.29

Dulzura Conduit
Profile
Flume 6-7
Tunnels 1/2 & 5/8

King West Baker 9-11-50

4P

		1504.80							
23+49 44			+2.28	1507.08	1500.41	6.67	F.17		
24+30 39			+2.27	1507.07	1500.35	6.72	F.18		
24+61 34			+1.72	1506.52	1500.33	6.19	F.41		
T.P.	3.98	1503.79	-4.99	1499.81					
25+12 E			-0.67	1503.12	1500.29	2.83 Scratch on Wall		F.24	
25 ~~+50~~ 37 4			+0.90	1504.69	1500.27	4.43 ✓		F.47	From 26-26+90 Wall should be built up
26+00			+1.11	1504.90	1500.23	4.67		F.43	
26+50			-1.02	1502.77 ~~1504.81~~	1500.20	2.57 Top Wall in Tunnel		F.33	
27+00			-1.43	1502.36 ~~1505.22~~	1500.16	2.20 Scratch on Wall		F.43	
27+50			+0.78	1504.57	1500.13	4.44		F.43	
T.P.	+4.42	1504.18	-4.03	1499.76					
28+00			+0.33	1504.51	1500.09	4.42		F.45	
+50			+0.22	1504.40	1500.06	4.34		F.43	
29+00			+0.15	1504.33	1500.02	4.31		F.59	
~~+50~~			~~-1.22~~ ~~+0.15~~						
TP	4.53	1504.13	-4.58	1499.60 ~~1503.60~~					
29+50			-1.22	1502.91	1499.98 ~~1500.03~~	2.92		F.46	
30+00			+0.19	1504.32	1499.96 ~~1500.00~~	4.36		F.40	

Dulzura Conduit

"King Baker X West 9-11-50

		1504.13						
	+2.73	1502.36	-4.50	1499.63	~~1499~~			
30+50			+1.97	1504.33	1499.93	4.40	F65	1499.28
T.P. ~~31+00~~	3.90	1503.20	-3.06	1499.30				
31+00			+1.00	1504.20	1499.89	4.31	F60	
+19			-4.00	1499.20		step up in bottom -		
+19			-3.32	1499.88	1499.88	" " " "		
31+50			+0.82	~~1504.02~~				
31+93.00			-3.45	1499.75	1499.78	Bottom Flume #7 - See BK 671		

Dulzura Tunnel #6
Profile - spads in roof

T.B.M.	+0.68	1461.72			1461.04
547+59			+1.74	63.46	56.97
gr.			-4.75	1456.97	
548+00			+1.78	1463.50	56.93
gr.			-4.18	1457.5	
+26.7			-5.00	1456.7	
+45.00 gr			-4.52	1457.2	
548+45-Roof			+0.93	1462.65	56.89
549+00			+3.30	65.02	56.84
gr.			-4.46	57.2	
549+50			+1.30	63.02	56.79
gr.			-4.07	57.6	
550+00			+2.01	63.73	56.74
gr.			-4.22	57.5	
550+50			+2.03	63.75	56.69
gr.			-4.37	57.3	
551+00			+1.60	63.32	56.64
gr.			-4.50	57.2	
T.P.	-2.24	1461.08	+1.60	1463.32	

King-Baker West 9-13-50

Top Wall 547+09 Lt. BK671

6.49 Roof

F.L. End Flume - East Tunnel Portal #6

6.55

Bottom Conc Floor

5.74 revised

8.14 ~~8.18~~ 9.74'

6.19 ~~6.23~~

6.93 ~~6.99~~

7.00 ~~6.06~~ ✓

6.60 ~~6.68~~

Pulzura Tunnel #6

King
Baker
West

9-13-50

		1461.08				
551+50			+2.65	63.73	56.59	7.~~14~~ .06 ~~6.14~~
gr			-3.5	57.6		
552+00			+3.13	64.21	56.54	7.~~67~~ .57
gr			-3.90	57.2		
552+50			+2.22	63.30	56.49	6.~~81~~ .71
gr			-3.90	57.2		
553+00			+3.05	64.13	56.44	7.~~69~~ .57
gr			-4.1	57.0		
553+50			+2.61	63.69	56.39	7.~~30~~ .18
gr			-4.2	56.9		
554+00			+2.45	63.53	56.34	7.~~19~~ .05
gr			-3.9	57.2		
554+50			+2.94	64.02	56.29	7.~~73~~ .61
gr			-4.6	56.5		
555+00			+2.37	63.45	56.24	7.~~21~~ .07
gr			-4.2	56.9		
555+50			+2.85	63.93	56.19	7.~~74~~ .60
gr			-4.0	57.1		
TiP	-2.87	1461.06 ~~1460.06~~	+2.85	1463.93		

Dulzura Tunnel #6

King
Baker
West

9-13-52

		1461.06 ~~1460.06~~				
556+00			+2.01	63.07	56.14	6.79 ~~7.93~~
gr.			-4.3	56.8		
556+50			+1.71	62.77	56.09	6.52 ~~6.60~~
gr.			-4.2	56.9		
557+00			+1.87	62.93	56.04	6.73 ~~6.89~~
gr.			-4.40	56.7		
557+33			-1.47	59.59	~~56.01~~	T.B.M. 6' Rt 557+35 - on Rock
gr.			-4.33	1456.73	56.00	0.73 ONGINNEY

Avon + Oneida st. water grades
from 10th. to Oneida
Avon to Canyada

Sept. 19, 1950
Ramey
Baker
West

				282.01		B.P. 56. cor 10th + Robinson
	5.03	282.04				
0+00			4.44	282.60		top Gr. 10th + Avon
0+50			5.0	282.0	282.0	C 4.0
1+00			4.9	282.1	281.5	C 4.6
1+50			5.7	281.3	281.0	C 4.3
T.P.			5.62	281.42		
	3.71	285.13				
1+60.25	3 Pt		4.0	281.1	280.6	C 4.6
2+00			3.8	281.3	280.5	C 4.8
2+50			4.1	281.0	280.2	C 4.8
3+00			4.4	280.7	280.0	C 4.7
3+50			5.3	279.8	279.2	C 4.6
3+75			5.9	279.2	278.6	N end oneida C 4.6

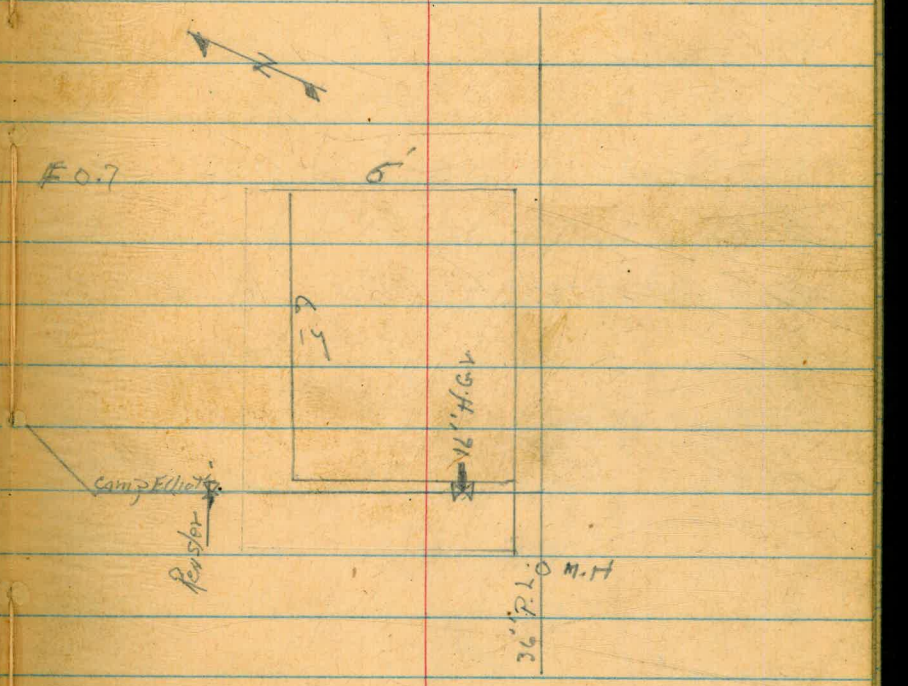
G.V. Box - Connection - 16" Elliott P.L.
Texas St. & Mission Valley

55

B.M.	8.84	57.85	49.01
N.E Cor		6.10	51.75
N.W. Cor		6.90	50.95
S.W Cor		7.02	50.83
S.E Cor		6.80	51.05
		8.84	49.01

~~C.I. Box~~ Top Hdwll - No Side Texas & Mission Valley P/L

Co.o



Haynes St. P.L. 16"
Lowering Pac. Beach Drive
to Oliver St.

King
Baker
West

- 9-26-50

T.B.M	2.54	53.33			50.79	T.B.M. Top Tel M.H. - between Reed & Thomas
	4.94	56.70	1.57	51.76		0+00 = So. Prop Line P.B. Drive
0+85			3.1	53.6	46.2	7.4
1+00			3.6	53.1	46.0	7.1
1+50			5.2	51.5	44.9	6.6
2+00			7.1	49.6	43.6	6.0
2+50			8.9	47.8	42.3	5.5
T.P.	2.00	49.80	8.90	47.80		
3+00			3.8	46.0	41.3	4.7
+50			4.8	45.0	40.0	5.0
4+00			5.6	44.2	39.0	5.2
					~~50.79~~	
			4.80	45.00	45.67	Ginney

Barrett Dam.
Levels - New 80'x32' Bldg in Stone Quarry

King. T 10-3-50
West.

57

B.M.	2.46	102.46			100.00	assumed Elev. Top stone Pier S.W. Cor. - 10' No. - N.W. Cor Shower house
#1			3.25	99.21	99.71	F 0.5 S.W. Cor - 3' Offset No. 1
#2			4.05	98.41	99.71	F 1.3
#3			4.32	98.14	99.71	1.57
#4			4.44	98.02	99.71	1.69
#5			4.69	97.77	99.71	1.94
#6			5.08 n 25 77	97.38	99.71	2.33 N.E. Cor - Inside 3' Offset
#7			4.78	97.68	99.71	2.03 N.W. " " "
#8			4.17	98.29	99.71	1.42
#9			3.72	98.74	99.71	0.97

Barrett Dam

Levels New Bldg - Stone Quarry

Knight 10-3-50
West

58

		102.46				
#10			3.60	98.86	99.71	F 0.85
T.B.M.	2.11	102.11	-2.46	100		
					98.71	3.40

Meter Boxes
Alley - between 46-Chamounix
Polk to Orange

King
Baker
West

10-18-30

B.M	5.07		359.01		353.94	N.W.B.P. 46 & Orange
5+70 S	west			4.9	354.1	352.7 C 1¼
+68 ○	west			4.7	354.3 ~~355.3~~	353.0 C 1⅜ ~~2 0~~
+53 S	East			4.9	354.1	353.2 C 0⅝
+05	west			5.1	353.9	353.8 C 0¼
5+04	East			4.9	354.1	353.9 C 0⅜
+77	west			5.3	353.7	353.2 C 0⅝
+58	west			5.6	353.4	353.1 C 0⅜
+50	East			5.4	353.6	353.0 C 0⅝
+21	East			5.6	353.4	352.6 C 0⅞
4+06 S	East			5.6	353.4	352.4 C 1⅛
+89	West			5.8	353.2	353.2 C 0⅛
T.P. on Gunny 3+64	west	1.70	353.99	6.72	352.29	
+70	East			1.50	352.5	351.9 C 0⅝
+64	west			1.7	352.3	353.1 F 0⅞
3+02	west.			2.9	351.1	350.6 ~~352.1~~ ~~F 1 3~~ C 0⅝
2+86	East			3.0	351.0	350.4 C 0⅝

Meter Boxes
Alley between 46 - Chamoyne
Polk TO Orange

		T 353.99				
2+82.5	west		3.3	350.7	350.3	CO 4/
+48	East		4.5	349.5	349.8	FO 3/
+36	west		4.1	349.9	349.1	CO 8/
2+23	East		4.0	349.0	349.6	FO 6
+96	East.		4.6	349.4	349.2	CO 2/
+89	west		4.5	349.5	349.0	C.O 5/
+50	west		4.4	349.6	348.6	C 1 0
+25.5	East		4.9	349.1	348.6	C.05/
+23.5	East.		4.8	349.2	348.6	CO 6/
1+06	West		4.7	349.3	348.6	CO 7/
+80	west		5.1	348.9	348.6	CO 3/
+68	East		5.1	348.9	348.4	CO 5/
+45	west		5.0	349.0	348.7	CO 3/
0+33	East		5.2	348.8	348.5	CO 3/
CK. Gunny	at 1+00		5.4	348.6	=348.6	

King Baker Notes & T West not East

354.0
5.4
348.6

4' off sets -6" P.L. 7944-L-Sheet
Juniper to Laurel
on Common wealth

King West 10-26-50

B.M.	11.82	278.25			266.43	B.P. S.W. Cor Juniper & Common wealth
~~0+00~~						No. prop. line Juniper St.
5+50			10.4	267.8	268.0	4.0
5+00			7.6	270.6	270.6	4.2
4+50			5.3	272.9	272.6	4.5
4+00			3.2	275.0	274.6	4.6
3+50			1.4	276.8	276.8	4.2
T.P.	11.93	289.11	1.07	277.18		
3+00			10.6	278.5	278.8	3.9
2+50			8.5	280.6	280.5	4.1
2+00			6.8	282.3	282.2	4.1
1+50			5.3	283.8	283.2	4.8
1+00			4.0	285.1	283.8	5.5
0+50			3.3	285.8	284.2	5.8
0+00			4.2	284.9	284.8	4.2
			4.45	284.66	284.62	

289.11
4.45
284.66

284.62

4' OFFSETS - 6" P.L.

Juniper - Ivy

ON Commonwealth

King West

10-26-50

B.M.	1.34	267.77			266.43
0+50			1.6	266.2	265.8
0+73 BC			2.1	265.7	265.5
1+00			3.2	264.6	265.0
1+50			4.4	263.4	263.8
2+00			5.6	262.2	262.2
2+50			7.2	260.6	260.4
3+00			8.2	259.6	260.2
3+50			9.2	258.6	259.6
3+73.4			9.2	258.6	259.2
4+00			8.9	258.9	259.0
4+50			9.7	258.1	258.6
5+00			10.7	257.1	258.2
5+50			10.4	257.4	257.4
5+76			9.4	258.4	257.0
F.H.℄			10.4	257.4	257.1
F.H. 56 F.C.			11.2	256.6	257.1
T.P.			1.34	266.43	

S.W.B.P. Juniper & Commonwealth

4.6		GRADES FOR METER BOXES				
4.4		256	267.99		266.43	
4.0	0+50			8.27	259.72	1.3
4.0	0+85			8.27	259.72	1.0
4.2	1+43			8.32	259.67	0.8
4.4	1+95			7.94	260.05	0.8
3.8						
3.7						
3.6						
4.2						
3.8						
3.2						
4.2						
5.5						
~~4.5~~						
~~3.7~~						

11-13-50

Water Dist P.L. Westland St. Juniper to Ivy

King & Baker West

B.M.	0.02	266.45			266.43	S.W. Cor. Juniper & Common Wealth	
0+00						PROP. LINE Edge of pavement —	
0+40			5.4	261.1	258.3	2.8 C 7°	
0+80			4.7	261.8	259.4	2.4 C 6.6	
1+20			4.6	261.9	260.0	1.9 C 6.1	
1+60			5.3	261.2	260.2	1.0 C 5.2	
2+00			5.8	260.7	259.9	0.8 C 5.0	
2+40			5.9	260.6	259.6	1.0 C 5.2	249.2
2+80			6.3	260.2	259.0	1.2 C 5.4	250.2 / 6.4
3+20			7.2	259.3	258.3	1.0 C 5.2	243.8 ¢ F.H
3+60			8.4	258.1	257.4	0.7 C 4.9	242.9 - 5' OFF
4+00			10.1	256.4	255.8	0.6 C 4.8	247.7 / 43.8 / 3.9
4+40			11.7	254.8	254.0	0.8 C 5.0	
T.P.	2.90	257.62	- 11.73		254.72		
4+80			4.7	252.9	252.2	0.7 C 4.9	
5+20			5.9	251.7	250.4	1.3 C 5.5 ¢ of Street	
5+60			8.44	249.18 / 249.2	248.6	0.6 C 4.8 ¢ of Street	
			10.61		247.01	Top of S.M.H.	
T.P.	10.12	267.24	- 0.50		257.12	Ck. OK.	

6" C.I.P.		Pentuckett St. Ivy-Juniper				11-13-50 King Baker West
B.M.	5.27	271.90			266.43	B.P. Juniper & Commonwealth
5+23.50			11.7	260.0	261.5	C 4.0
5+00			10.9	260.8	262.4	C 3.8
4+50			7.7	264.0	264.8	C 3.4
4+00			4.1	267.6	266.6	C 5.2
3+50			2.4	269.3	267.6	C 5.9
T.P.	1.30	270.60	2.40	269.30		
3+00			0.5	270.1	267.2	C 7.1
2+50			1.1	269.5	265.8	C 7.9
2+00			3.2	267.3	263.8	C 7.7
1+50			6.4	264.2	261.8	C 6.6
1+00			9.5	261.1	259.6	C 5.7
0+50			11.8	258.4	257.8	C 4.8
0+00			13.5	257.1	255.8	C 5.5
F.H. 50' Ft			10.6	260.0	256.0	C. 4.0
℄ F.H.			12.3	258.3	256.0	C 2.3
			10.25	260.35	260.3	Prop Line & Juniper & Pentuckett

6" CIP. Maple St. - Montclair - Heller ✓ King Baker West 11-28-50 65

B.M.	1.82	286.65			284.83	S.E. Curb Return - Maple & Montclair	27++
0+00			2.1	284.5	284.8	F 0 3	3.5 East Prop. Line Montclair
0+50			6.7	279.9	281.0	F 0 1 ?	3.7 ?
1+00			10.3	276.3	277.4	F 1 1	2.7
T.P.	3.90	277.39	13.16	273.49			
1+50			4.5	272.9	274.3	F 1 4	2.4
2+00			7.4	270.0	272.2	F 2 2	1.6
2+50			7.6	269.8	271.0	F 1 2	2.6
3+00			5.3	272.1	270.2	C 1 9	5.7
3+50			5.4	272.0	269.6	C 2 4	6.2
4+00			6.7	270.7	269.5	C 1 3	5.0
4+50			8.4	269.0	270.0	F 1 0	2.8
5+00			6.7	270.7	270.4	C 0 3	4.1
5+50			5.0	272.4	271.0	C 1 4	5.2
6+00			3.9	273.5	272.0	C 1 5	5.3
6+50			3.3	274.1	273.0	C 1 1	4.9
7+00			2.7	274.7	274.0	C 0 2	4.5
7+40			2.0	275.4	274.0	C 1 4	5.2
			2.85	274.59	274.6		

C.I.P
Vancouver –
Maple – Kalamia

King Baker West 11-29-50

66

T.B.M	3.42	275.42			272.0	3+50	
0+00			3.6	271.8	269.4	C 6^{6}	
0+50			4.7	270.7	269.2	C 5^{7}	
1+00			6.4	269.0	268.8	C 4^{4}	
1+50			6.5	268.9	268.6	C 4^{5}	
2+00			9.4	266.0	268.4	C 1^{8}	
2+50			7.5	267.9	268.1	C 4^{0}	
3+00			5.8	269.6	267.8	C 6^{0}	
3+50			4.6	270.8	267.6	C 7^{4}	7 3 1 → 6 2 8
4+00			4.5	270.9	267.4	C 7^{2}	6 7 3 → 6 6 9 3
4+50			4.7	270.7	667.1	C 7^{8}	
5+00			5.3	270.1	666.9	C 7^{4}	
5+50			5.6	269.8	666.7	C 7^{3}	
T.P	3.26	273.13	5.55	269.87			P FOH – 7.9 – 2652 265.8 FO^{6}
6+00			3.2	269.9	666.4	C 7^{2}	5' OFF – 6.9 – 266.2 265.8 CO^{4}
6+50			5.1	268.0	666.2	C 6^{0}	
0+00			6.0	267.1	266.8	C 4^{5}	
0+45			8.0	265.1	266.6	C 2^{7}	
0+89			9.0	264.1	265.8	C 2^{5}	

Heller St at Maple - 4" CIP
160° No - 130 So.

12-1-50

47

T.B.M.	4.86	279.56			274.70	7+00 on Maple
F.H.@			4.0	275.6	274.5	C 1.1
F.H. 5' Off			3.7	275.9	274.5	C 1.9
0+50 So			5.0	274.6		C 4.2
1+00			6.0	273.6		C 4.2
1+30			6.9	272.7		C 4.3
0+10 N			3.3	276.3	275.1	5.0 10' No. N. Line Maple
0+43 N			3.0	276.6	275.3	4.9
0+82			2.7	276.9	275.4	4.9
1+60			3.0	276.6	275.9	4.3
		Vancouver - North of Maple				✓
~~0+00~~	4.68	276.48			271.80	4.9 4.8
0+00			4.7	271.8	269.6	6.0
0+50			4.9	271.6	267.7	7.7
1+00			6.6	269.9	264.0	9.7
1+50			12.6	263.9	259.0	7.7
1+77			16.2	260.3	256.3	7.8

GRADES FOR METER BOXES
PENTUCKETT - FROM JUNIPER -
TO - IVY

King
Baker ⊼
West. Rod

3+00 - 1.02
270.03

	3.75	⊼ 271.05		267.3	GRADE	
E 1+84.5			3.2	267.9	263.4	C 4.5
E 2+90.5			0.5	270.6	267.3	C 3.3
E 3+87.5			4.1	267.0	266.9	C 0.1
4+86			3.6	267.5	263.2	C 4.3
4+57.5			2.4	268.7	264.8	C 3.9
3+58			0.7	270.4	268.0	C 2.4
3+12.5			1.3	269.8	268.0	C 1.8
1+95.5			5.5	265.6	264.3	C 1.3
1+12.50			11.6	259.5	261.0	F 1.5

Meter Boxes
Haynes - Ingraham
ON Felspar

8.325 L

	3.24	74.54			71.3
4+57			4.7	69.8	70.3
4+11			4.7	69.8	69.8
3+94			4.6	69.9	69.8
3+26			4.6	69.9	69.7
2+59			4.5	70.0	69.0
2+09			4.7	69.8	68.7
1+56			5.1	69.4	68.4
1+12.5			5.2	69.3	68.1
0+28			5.5	69.0	67.4
			4.7	69.84	

KING
Baker

12-12-50

65

F. 0.5
C 0.0
C 0.1
C 0.3
C 1.0
C 1.1
C 1.0
C 1.3
C 1.6

Motor Boxes
Westland St
Juniper - Ivy

	2.73	26333			260.60
1+50E			1.4	261.9	260.6
2+45E			2.1	261.2	260.0
2+97E			3.0	260.3	259.4
3+37E			4.3	259.0	258.5
3+87E			6.5	256.8	256.6
0+81W			14.0	249.3	248.4
0+73W			10.8	252.5	250.2
1+59W			7.7	255.6	254.2
2+05W			6.0	257.3	256.2
2+48W			4.7	258.6	257.4
3+17W			3.5	259.8	259.0
3+46W			3.6	259.7	259.4
4+11W			3.4	259.9	260.0
4+91W			2.7	260.6	259.8
CK.			1.52	261.81	

King
Baker

70

2+40

C 1.3 From Juniper
C 1 2
C 0 9
C 0 5
C 0 2

C 0 9 From Ivy St.
C 2 3
C 1 4
C 1 1
C 1 2
C 0 8
C 0 3
F 0 1
C 0 8

2+00

6" C.I.P. Lowering
63rd No. From Montezuma

T. Bm	7.34	461.76			454.42
0+00			7.2	454.6	454.4
0+50			6.8	455.0	454.8
1+00			6.1	455.7	455.2
1+50			5.5	456.3	455.5
2+00			5.3	456.5	455.8

King
Baker

12-14-50

71

N.W. Curb return

4.2 Prop bmk

4.2

4.5

~~4.8~~ 4.9

4.7 4.9

Maple St.
Hallett – Montclair
Meter Boxes

T.B.M.	6.08	277.88			271.80
0+47			3.4	274.5	273.7
1+25			4.4	273.5	272.2
2+41			7.8	270.1	270.5
2+97			6.9	271.0	270.0
1+86			7.6	270.3	272.6

King Baker

12-14-50

72

C0.8
C1.3
F0.4
C1.0
F2.3

Maple – Sta. From Prop. at Hallett

6" Pipe - Alley Polk-Van, Menlo - 47 St.

King Baker 12-19-50

73

T.B.M.	9.56	352.77			343.21	East curb at Prop Line
0+00			9.3	343.5	343.2	4.1
+50			5.6	347.2	346.6	4.4
1+00			4.9	347.9	347.6	4.1
+50			4.9	347.9	347.7	4.0
2+00			4.7	348.1	347.8	4.1
+50			4.8	348.0	347.8	4.1
3+00			5.5	347.3	347.2	4.3
+50			6.3	346.5	346.3	4.2
4+00			7.3	345.5	345.4	4.0
+50			7.9	344.9	344.6	4.1
5+00			8.7	344.1	343.7	4.2
+58			10.2	342.6	342.8	4.0
			11.30	341.47	341.47	curb East side @ Van

352.7
341.47
11.30

Meter box grades
alley between 47th. + Menlo
Polk to Univ.

Rainey
King
Baker
West

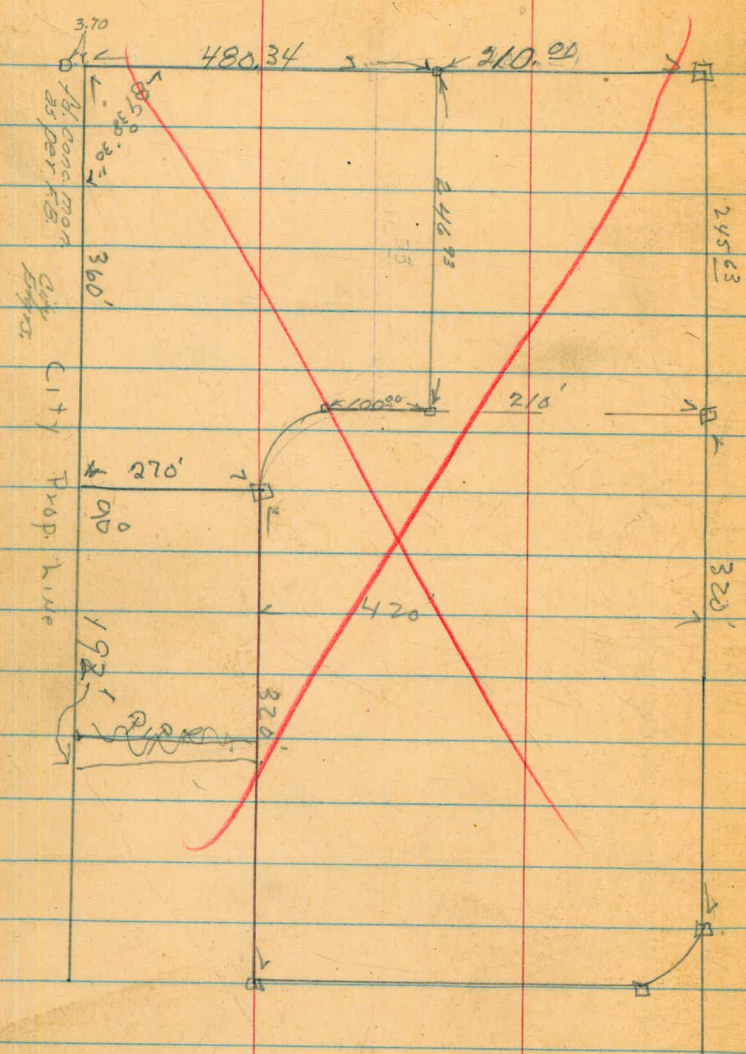
Curb Polk		343.21		
0	9.44	352.65		
0+31 W	5.7	347.0	345.6	C 1 4
0+34 E	6.0	346.7	345.8	0 9
0+48 W	5.4	347.3	346.5	0 8
0+55 E	5.3	347.4	347.0	0 4
0+77 W	4.8	347.9	347.2	0 5
1+02 E	4.3	348.4	347.8	0 6
1+07 W	4.9	347.8	347.5	0 3
1+36 E	4.5	348.2	347.8	0 4
1+70 W	5.0	347.7	347.6	0 1
1+71 E	4.7	348.0	348.0	0 0
1+78 W	5.0	347.7	347.7	0 0
2+22 W	4.8	347.9	347.8	0 1
2+40 E	4.2	348.5	348.0	0 5
2+69 W	4.8	347.9	347.5	0 4
2+89 E	5.2	347.5	347.5	0 0
3+23 E	5.7	347.0	347.0	0 0
3+30 W	6.1	346.6	346.6	0 0

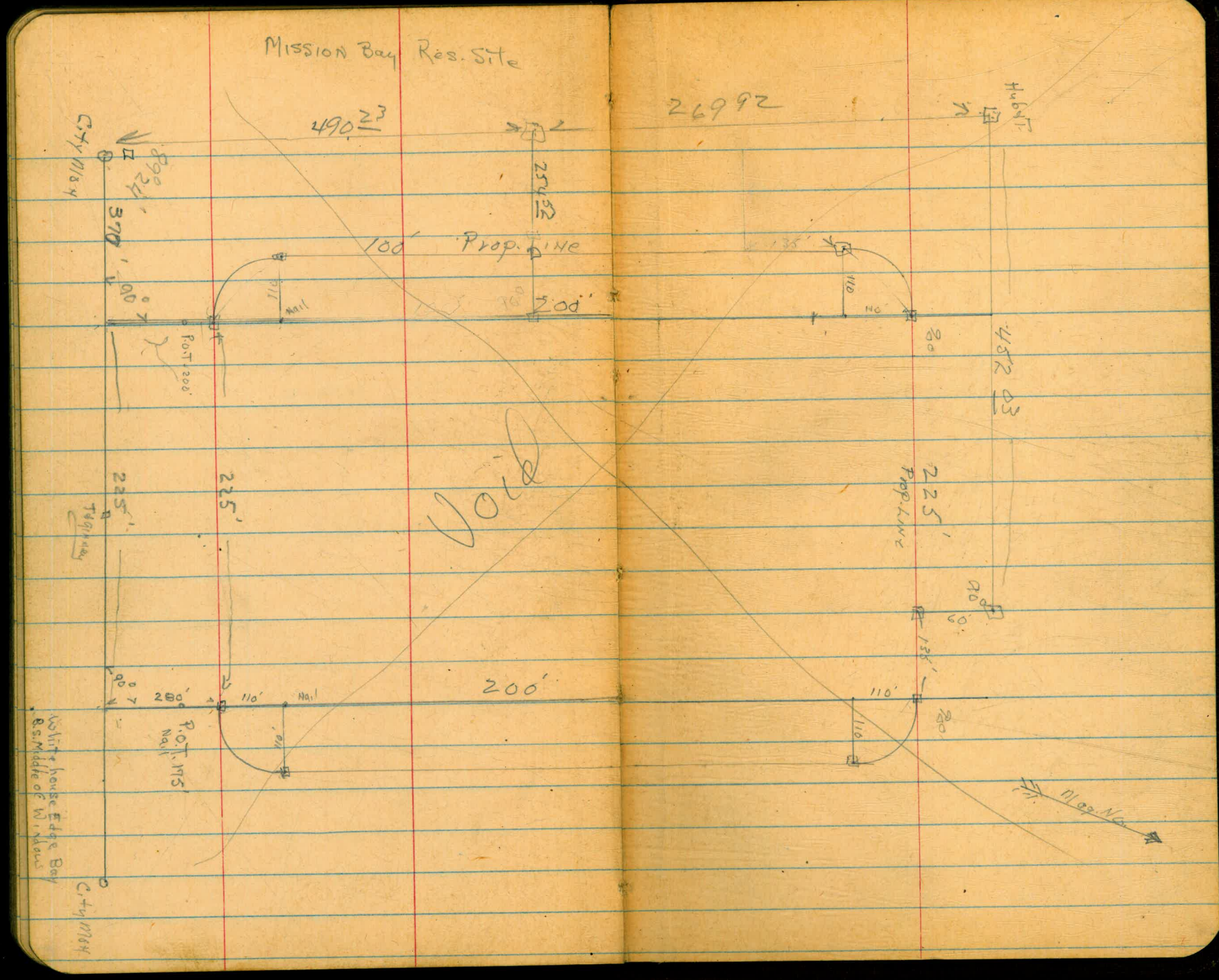
6" P.L. 3½' OFF So. Curb Lawrence St. – Rosecrans to San Antonio

King West Williams 2-19-52

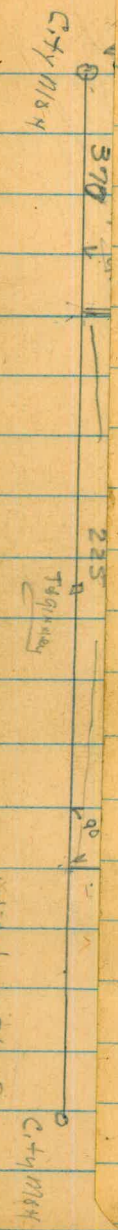
T.B.M	1.30	36.20			34.90	
0+00			1.4	34.8	31.2	3.4 East. Prop Line Rosecrans
0+50			5.2	31.0	27.0	4.0
1+00			9.3	26.9	22.9	4.0
1+50			13.5	22.7	18.8	3.9
T.P.	0.89	24.85	12.24	23.96		
2+00			6.3	18.6	14.6	4.0
2+50			10.4	14.5	10.2	4.3
T.P	1.15	13.68	12.32	12.53		
3+00			3.4	10.3	06.0	4.3
3+12			4.5	9.2	05.0	4.2
3+50			7.0	06.7	04.2	2.5
℄ Intersec.			6.70	06.98	07.00	

B.M. Soleda Terrace Rd.		443.94	Top Conc Mon. 40' Lt. Highway Sta 41+52
B.M. K.M. P.L.		161.39	ginney Sta. 382+00
B.M.	Chestertown	445 70	
Hornblend - Lamont		S.W. B.P. 60.03	
" d Jewel		S.W. L.&T. 60.35	


3.70
480.34
210.00
Nd. Conc. Mon. as per F.B.
360'
246.93
245.63
100.00
210'
270'
90°
City Prop. Line
420'
320'
192'
320'



Mission Bay Res. Site
490.23
26992
254.52
100' Prop. Line
200'
370'
90°
110
Nail
P.O.T. 200'
225'
225'
Void
225'
Prop. Line
90°
60'
135'
110'
110'
280'
110'
Nail
P.O.T. 175'
Nail
200'
White house Edge Bay
B.S. Middle of Windows
City Mon
Mag. No.



.0071567 By machine

976
.009
.01

60
.01
.60

.0009
60
.0540

80

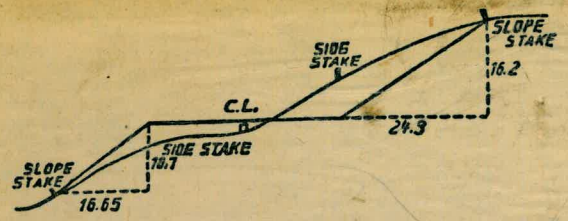
150097

657
327

1500.89
149979
1.10

280
2
560

2.8
.7
35



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.20	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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