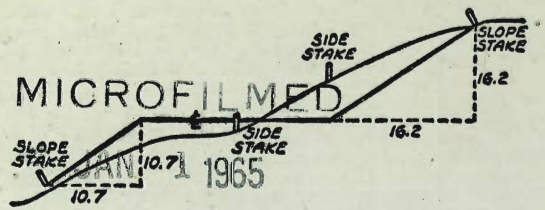
2192

TRAVEL BOOK



MICROFILMED
JAN 1 1965

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.

Borrow Pit
Elev 5.00 @ 74+0
+0.50 Grade

IMPROVED TABLES
AND
INFORMATION

DIRECTIONS FOR USE OF TABLES

TABLE No. XIV

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. VIII

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 length divided by twice the radius.

Overpass 22057
Grading & Paving 22067

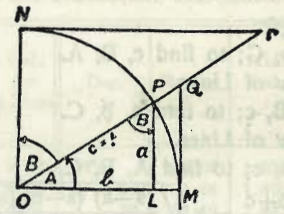


TABLE II
TRIGONOMETRIC FORMULÆ.

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

$R = OB = c = 1$

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

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

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

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

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

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

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

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

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

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

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

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

Law of Lines $\frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C^1}{C}$

Law of Cosines $c^2 = a^2 + b^2 - 2\,ab \cos C$

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

Table IX

MIDDLE ORDINATES OF RAILS

Length of Rail (feet)

C ° ′	R Feet	30 Inch	28 Inch	26 Inch	24 Inch	22 Inch	20 Inch	C °	R Feet	30 Inch	28 Inch	26 Inch	24 Inch	22 Inch	20 Inch
0 -20	17189	.08	.07	.06	.05	.04	.03	8	716.8	1.88	1.64	1.42	1.20	1.01	.84
0 - 40	8594	.16	.14	.12	.10	.08	.07	9	637.3	2.12	1.84	1.60	1.35	1.14	.94
1—0	5730	.24	.20	.18	.15	.13	.10	10	573.7	2.36	2.05	1.78	1.50	1.27	1.04
1—20	4297	.31	.27	.23	.20	.17	.13	11	521.7	2.59	2.26	1.95	1.65	1.39	1.15
1 - 40	3438	.39	.34	.29	.25	.21	.17	12	478.3	3.83	2.47	2.15	1.81	1.54	1.26
2 -0	2865	.47	.41	.35	.30	.25	.20	13	441.7	3.05	2.66	2.30	1.96	1.66	1.36
2—20	2456	.55	.48	.41	.35	.29	.23	14	410.3	3.30	2.87	2.48	2.10	1.78	1.46
2 - 40	2149	.63	.55	.47	.40	.33	.27	15	383.1	3.54	3.08	2.68	2.26	1.91	1.57
3 -0	1910	.71	.62	.53	.45	.38	.31	16	359.3	3.76	3.28	2.83	2.40	2.04	1.67
3 - 20	1719	.78	.68	.59	.50	.42	.35	17	338.3	4.00	3.48	3.02	2.57	2.16	1.78
3—40	1563	.86	.75	.65	.55	.46	.38	18	319.6	4.21	3.67	3.18	2.70	2.28	1.87
4—0	1433	.94	.82	.71	.60	.50	.42	19	302.9	4.45	3.89	3.36	2.86	2.41	1.98
4—20	1323	1.02	.89	.77	.65	.55	.45	20	287.9	4.70	4.09	3.55	3.00	2.54	2.09
4—40	1228	1.10	.96	.83	.70	.59	.48	22	262.0	5.16	4.44	3.84	3.30	2:80	2.29
5	1146	1.18	1.03	.89	75	.63	.52	24	240.5	5.64	4.92	4.20	3.59	3.04	2.50
6	955.3	1.41	1.23	1.06	.90	.76	.62	26	222.3	6.07	5.29	4.58	3.88	3.29	2.70
7	819.0	1.65	1.44	1.24	1.05	.89	.73								

Table X

SHORT RADIUS CURVES

Radius Feet	Chord Feet	Central Angle	Deflection Angle	Deflection for 1 Foot
35	10	16—26	8—13	49.3
45	10	12—46	6—23	38.3
50	15	17—16	8—38	34.5
60	15	14—22	7—11	28.8
75	15	11—30	5—45	23.0
100	20	11—30	5—45	17.3
120	20	9—34	4—47	14.3
150	20	7—39	3—49	11.5
190	25	7—32	3—46	9.15
200	25	7—10	3—35	8.6
225	25	6—25	3—12	7.7
240	25	5 58	2—59	7.2
250	25	5 44	2—52	6.9
275	25	5—12	2—36	6.2
288	50	9—58	4—59	6.0
300	50	9 -32	4—46	5.7
350	50	8—12	4—06	4.9
376	50	7—40	3—50	4.6
400	50	7—10	3—35	4.3
410	50	7—00	3—30	4.2

To find length of curve divide angle from P. C. to P. T. by central angle of chord, and multiply by length of chord.

Table XI

INCLINED DISTANCE OF 100 FT. REDUCED TO HORIZONTAL.

Slope	Horizontal Distance	Correction	Rise	Slope	Horizontal Distance	Correction	Rise
0°00′	100.000	0.000	0.000	8°00′	99.027	0.973	0.139
15′	99.999	0.001	0.004	15′	98.965	1.035	0.143
30′	99.996	0.004	0.009	30′	98.902	1.098	0.148
45′	99.991	0.009	0.013	45′	98.836	1.164	0.152
1 00	99.985	0.015	0.017	9 00	98.769	1.231	0.156
15	99.976	0.024	0.022	15	98.700	1.300	0.161
30	99.966	0.034	0.026	30	98.629	1.371	0.165
45	99.953	0.047	0.031	45	98.556	1.444	0.169
2 00	99.939	0.061	0.035	10 00	98.481	1.519	0.174
15	99.923	0.077	0.039	15	98.404	1.596	0.178
30	99.905	0.095	0.044	30	98.325	1.675	0.182
45	99.885	0.115	0.048	45	98.245	1.755	0.187
3 00	99.863	0.137	0.052	11 00	98.163	1.837	0.191
15	99.839	0.161	0.057	15	98.079	1.921	0.195
30	99.813	0.187	0.061	30	97.992	2.008	0.199
45	99.786	0.214	0.065	45	97.905	2.095	0.204
4 00	99.756	0.244	0.070	12 00	97.815	2.185	0.208
15	99.725	0.275	0.074	15	97.723	2.277	0.212
30	99.692	0.308	0.078	30	97.630	2.370	0.216
45	99.657	0.343	0.083	45	97.534	2.466	0.221
5 00	99.619	0.381	0.087	13 00	97.437	2.563	0.225
15	99.580	0.420	0.092	15	97.338	2.662	0.229
30	99.540	0.460	0.096	30	97.237	2.763	0.233
45	99.497	0.503	0.100	45	97.134	2.866	0.238
6 00	99.452	0.548	0.105	14 00	97.030	2.970	0.242
15	99.406	0.594	0.109	15	96.923	3.077	0.246
30	99.357	0.643	0.113	30	96.815	3.185	0.250
45	99.307	0.693	0.118	45	96.705	3.295	0.255
7 00	99.255	0.745	0.122	15 00	96.593	3.407	0.259
15	99.200	0.800	0.126	15	96.479	3.521	0.263
30	99.144	0.856	0.131	30	96.363	3.637	0.267
45	99.087	0.913	0.135	45	96.246	3.754	0.271

For each foot take one one-hundredth of each reading.

Table XII

MINUTES IN DECIMALS OF A DEGREE.

0′30″	.00833	10′30″	.17500	20′30″	.34167	30′30″	.50833	40′30″	.67500	50′30″	.84167
1 00	.01667	11 00	.18333	21 00	.35000	31 00	.51667	41 00	.68333	51 00	.85000
30	.02500	30	.19167	30	.35833	30	.52500	30	.69167	30	.85833
2 00	.03333	12 00	.20000	22 00	.36667	32 00	.53333	42 00	.70000	52 00	.86667
30	.04167	30	.20833	30	.37500	30	.54167	30	.70833	30	.87500
3 00	.05000	13 00	.21667	23 00	.38333	33 00	.55000	43 00	.71667	53 00	.88333
30	.05833	30	.22500	30	.39167	30	.55833	30	.72500	30	.89167
4 00	.06667	14 00	.23333	24 00	.40000	34 00	.56667	44 00	.73333	54 00	.90000
30	.07500	30	.24167	30	.40833	30	.57500	30	.74167	30	.90833
5 00	.08333	15 00	.25000	25 00	.41667	35 00	.58333	45 00	.75000	55 00	.91667
30	.09167	30	.25833	30	.42500	30	.59167	30	.75833	30	.92500
6 00	.10000	16 00	.26667	26 00	.43333	36 00	.60000	46 00	.76667	56 00	.93333
30	.10833	30	.27500	30	.44167	30	.60833	30	.77500	30	.94167
7 00	.11667	17 00	.28333	27 00	.45000	37 00	.61667	47 00	.78333	57 00	.95000
30	.12500	30	.29167	30	.45833	30	.62500	30	.79167	30	.95833
8 00	.13333	18 00	.30000	28 00	.46667	38 00	.63333	48 00	.80000	58 00	.96667
30	.14167	30	.30833	30	.47500	30	.64167	30	.80833	30	.97500
9 00	.15000	19 00	.31667	29 00	.48333	39 00	.65000	49 00	.81667	59 00	.98333
30	.15833	30	.32500	30	.49167	30	.65833	30	.82500	30	.99167
10 00	.16667	20 00	.33333	30 00	.50000	40 00	.66667	50 00	.83333	60 00	1.00000

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

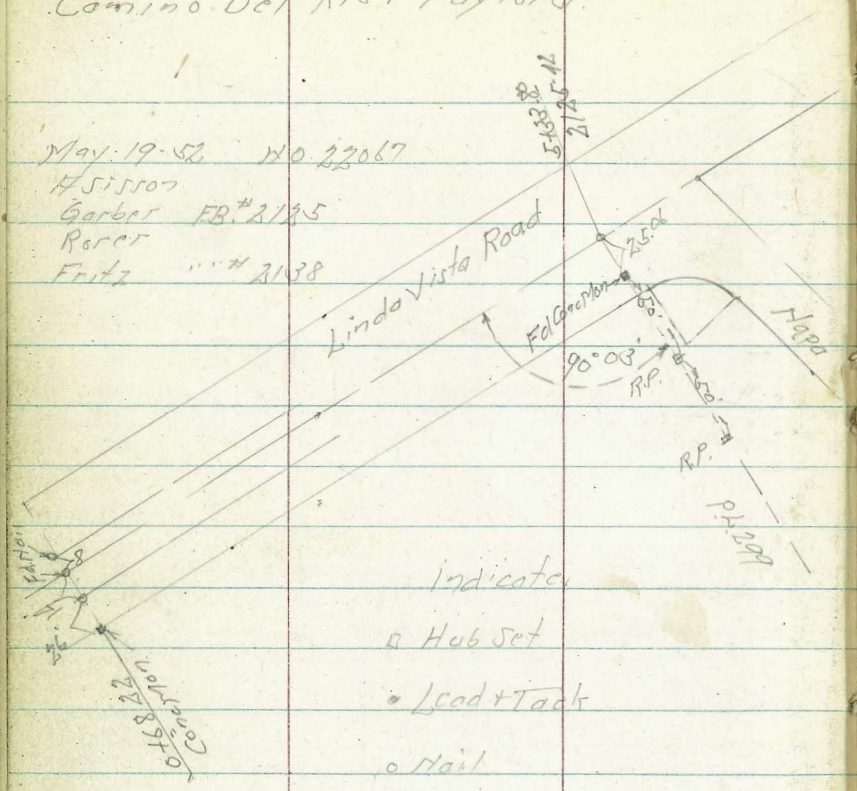
Central Angle	Degree of Curve													
	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°
10°	.001	.003	.004	.006	.007	.008	.009	.011	.012	.014	.015	.017	.018	.020
15°	.003	.007	.010	.014	.018	.023	.027	.029	.032	.035	.039	.043	.047	.051
20°	.006	.011	.017	.022	.028	.034	.038	.045	.051	.057	.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

Morena Blvd. Linda Vista Road
Camino Del Rio + Taylor St.

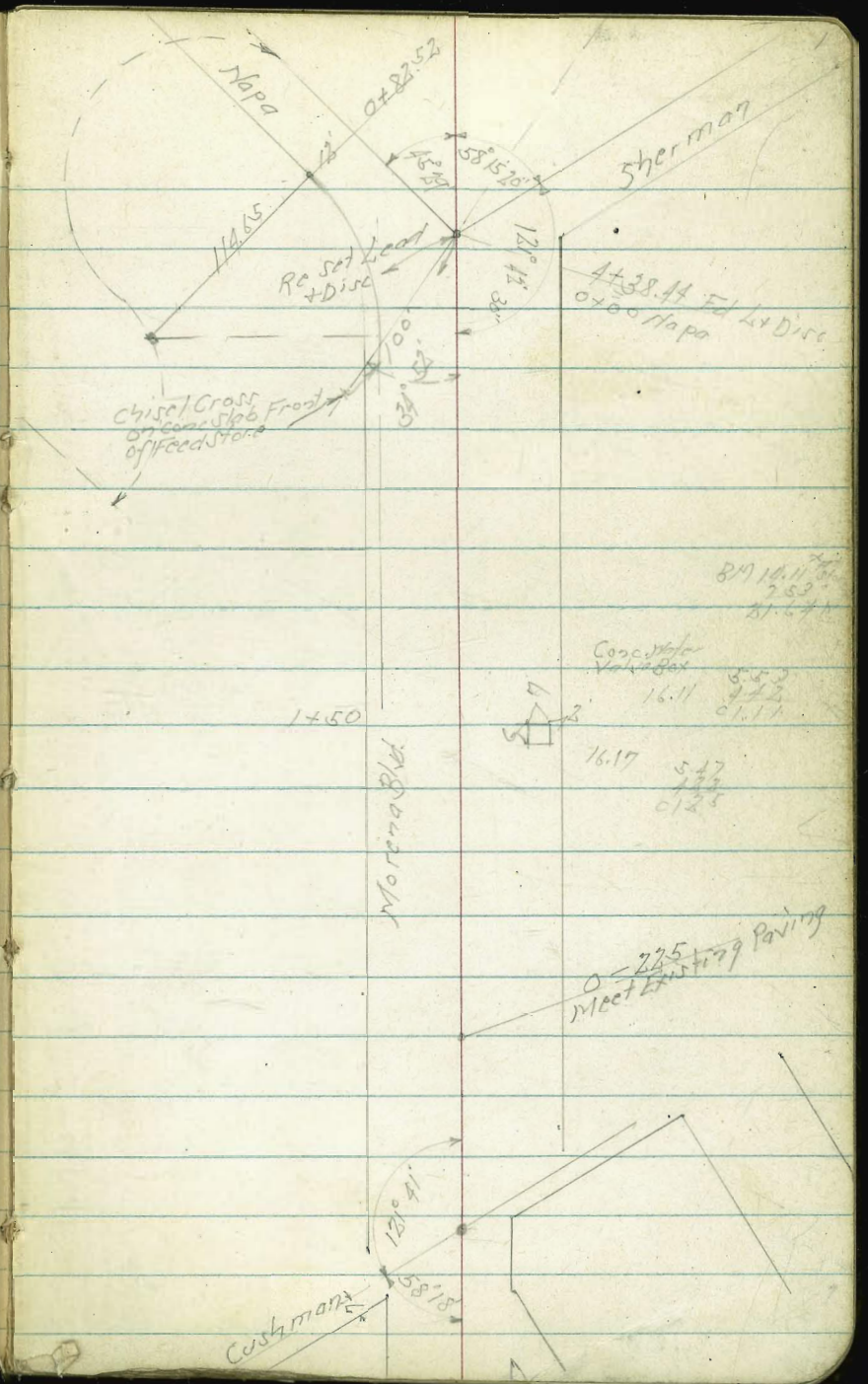
Sketches And Reference Points	Alig.	V-6 Grade
Morena Blvd North Approach "C" Line	7	31-36
" " B Line	8	45-47
" " D Line	9	37-39
Morena Blvd + Linda Vista Rd. "A" Line	12-13	42-45
Morena Blvd + Camino Del Rio South West Inner Loop	14-15	16-19
" " " " South West Inner Loop	16-17	20-23
Morena Blvd Over Pass to Taylor St. "E" Line	18	50-54
Morena Blvd South Approach, NW Outer Conn	19	55-58
Storm Drain Napa St. Linda Vista Road + Morena	20	21-23
Morena Blvd. Storm Drain 27+50		23
South West Inner Loop Storm Drain 0+45		23
Morena Blvd [illegible]		24
Morena Blvd And "C" Line 0+125 to 14+0		25-36
Linda Vista Road 2+0 to 9+55		40-42
Napa St.		47-48
Sherman St.		49-50
Bench Levels		10-11

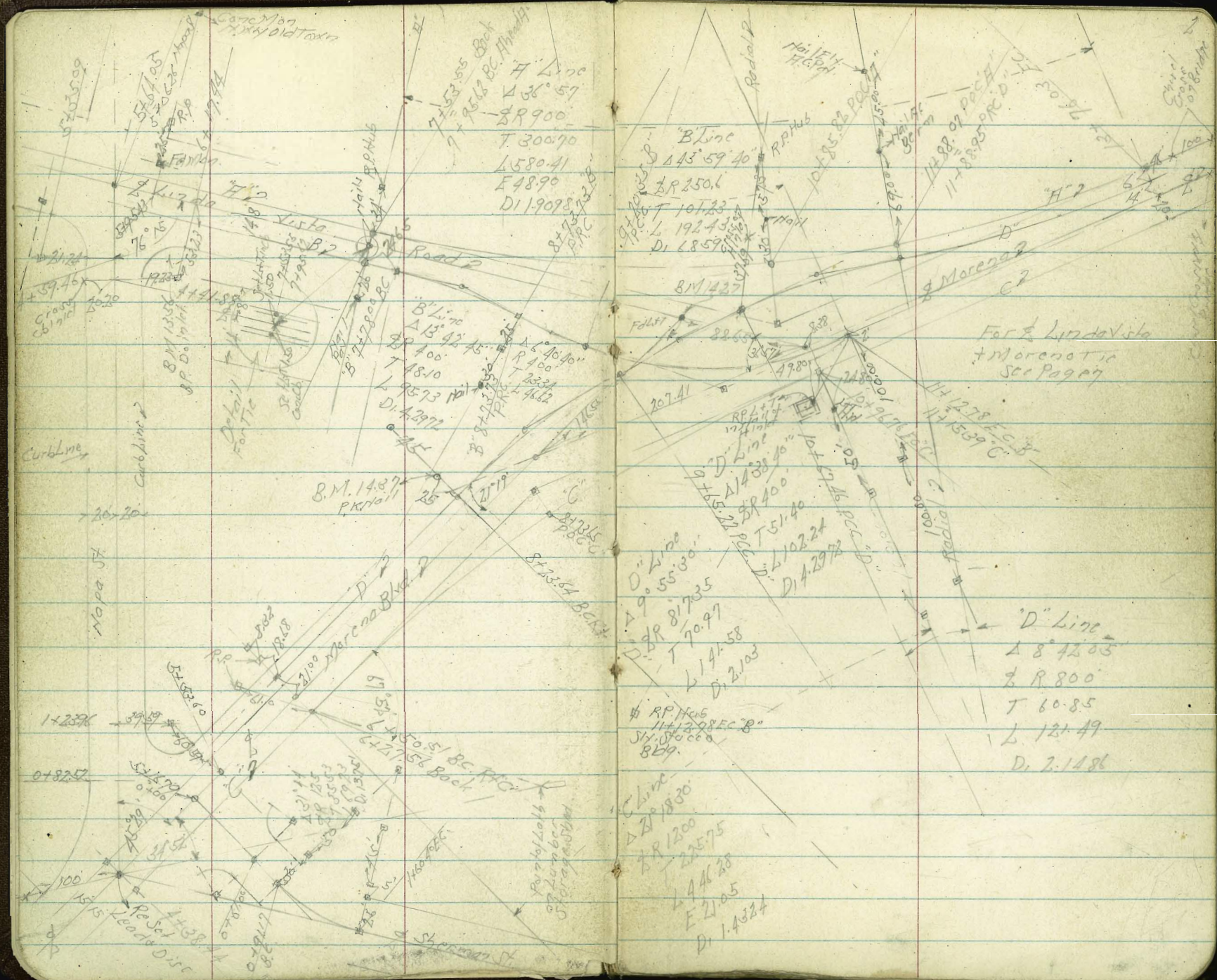
Morena Blvd. Linda Vista Road
Camino Del Rio + Taylor St.

May 19-52 W.O. 22067
H. Sisson
Garber FB. #2125
Rorer
Fritz " " #2138



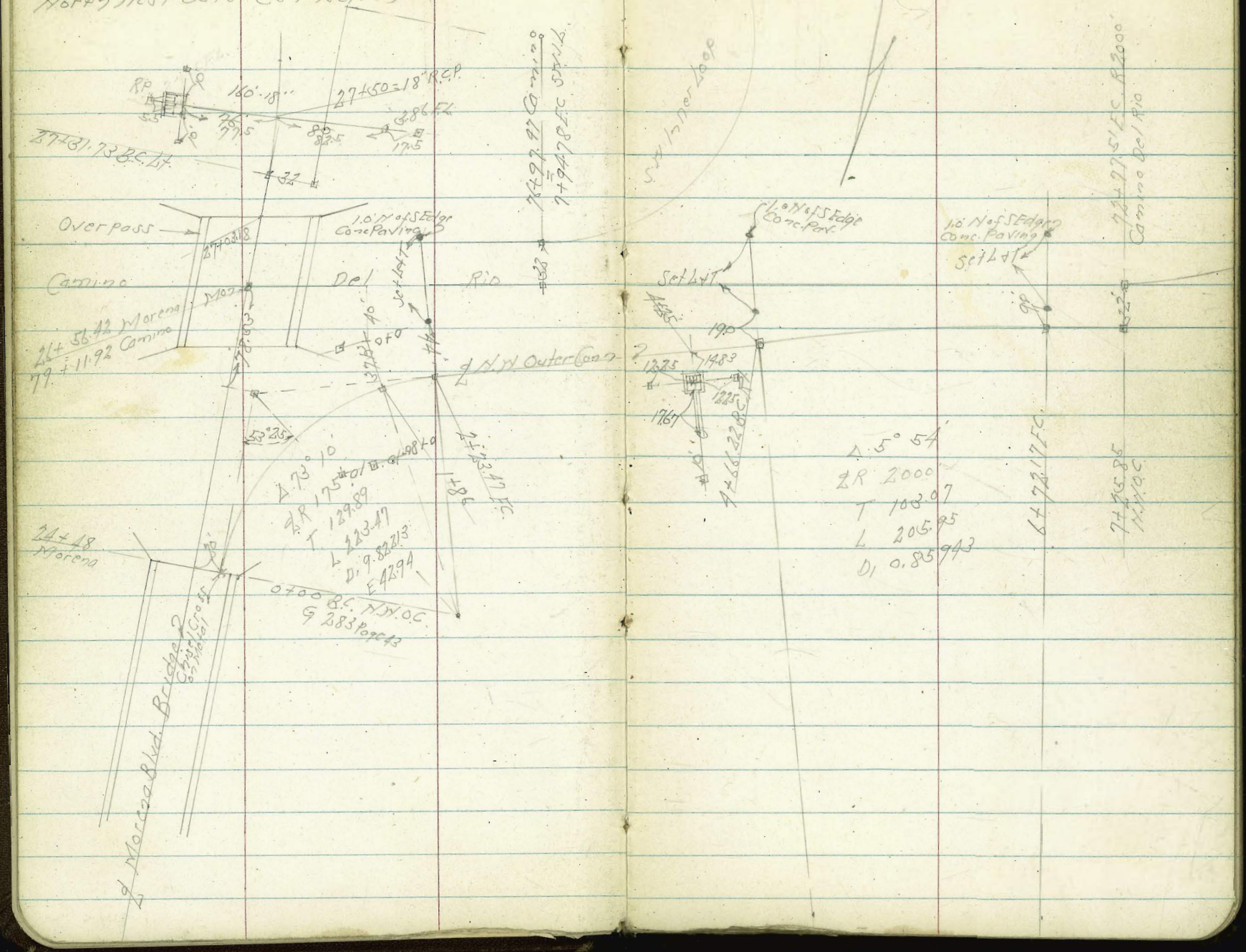
Indicate
□ Hub Set
• Lead + Tack
○ Nail

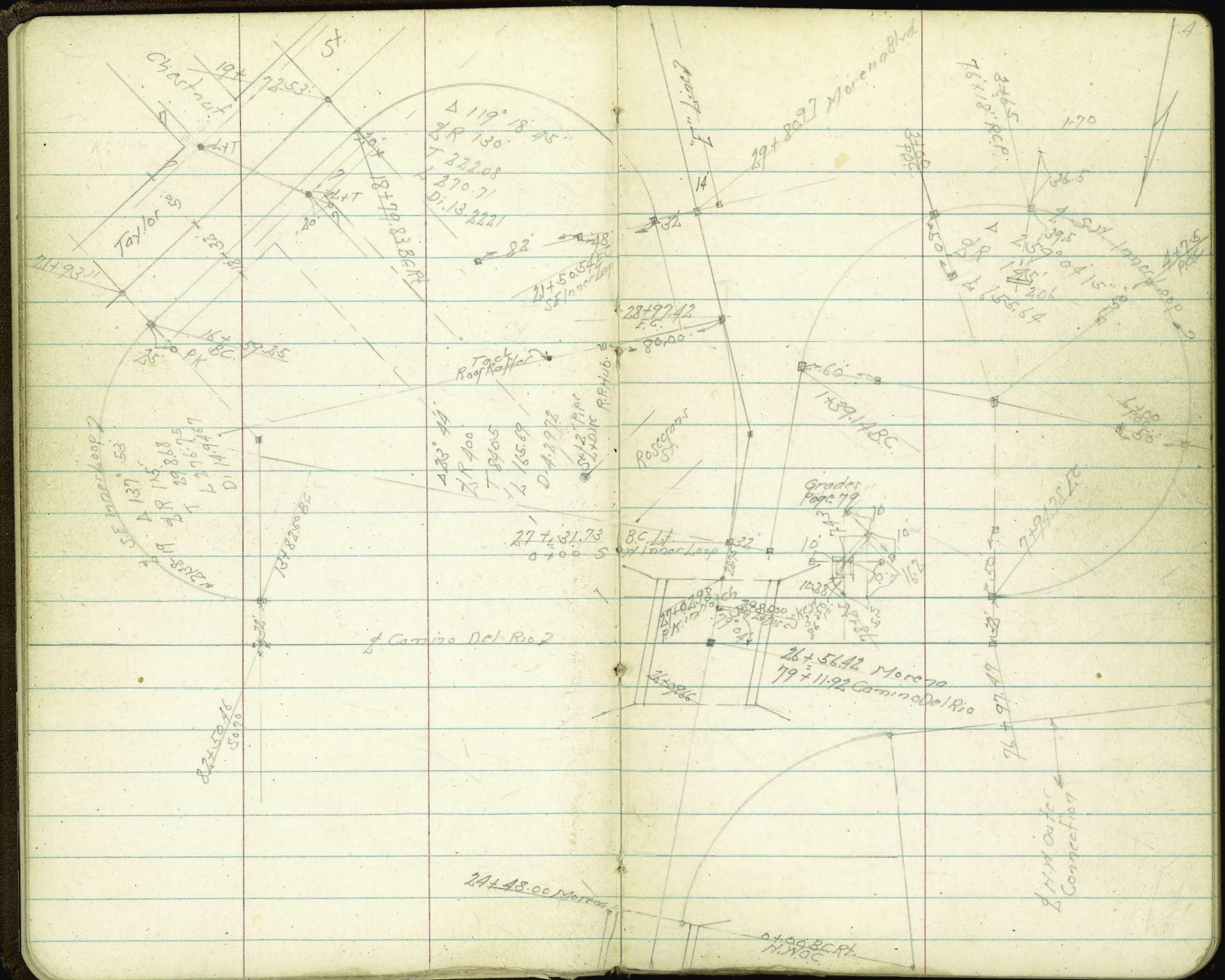




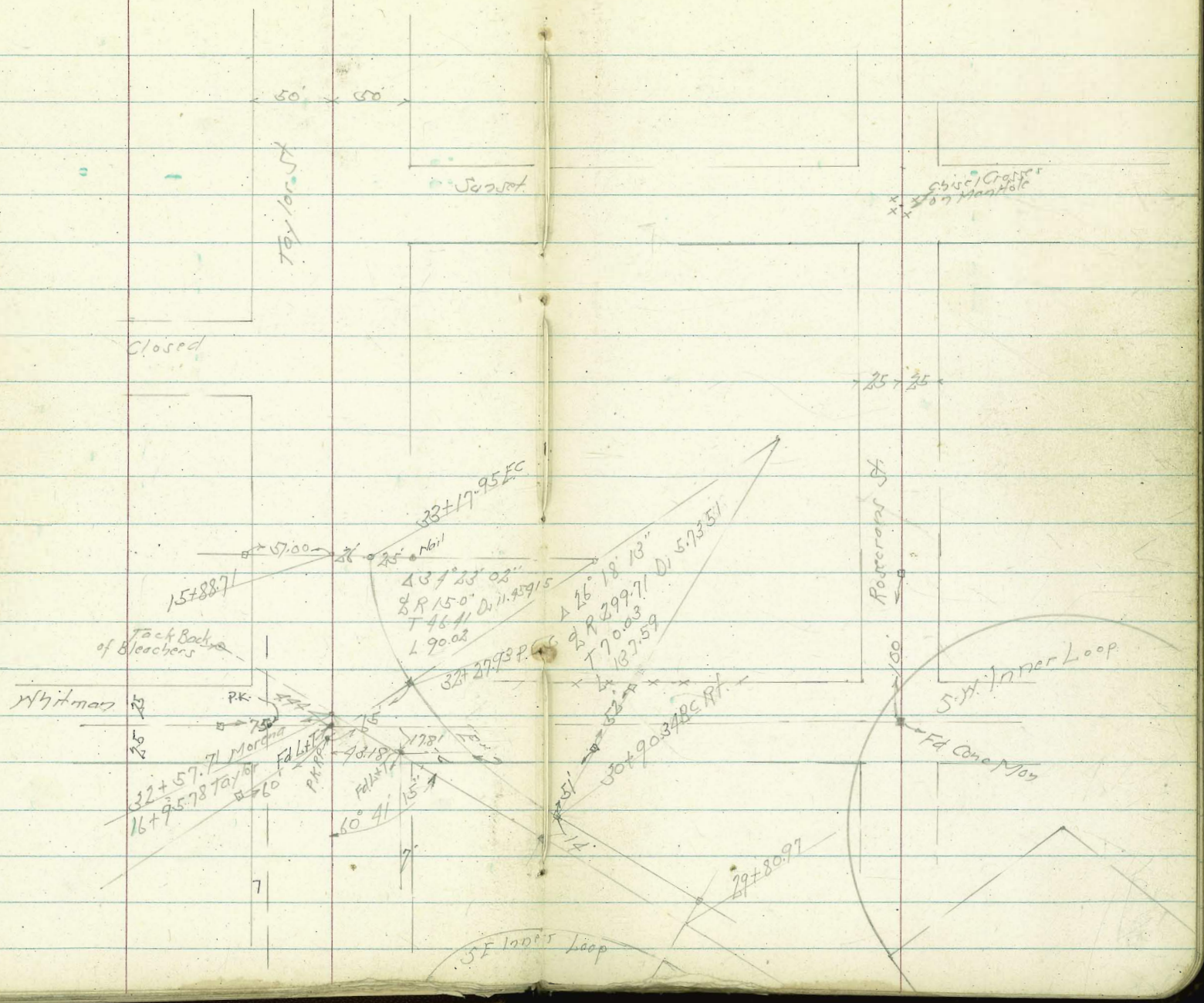
"A" Line
Δ 36° 57
℄ R 900
T 300.70
L 580.41
E 48.90
Di 1.9098
"B" Line
Δ 43° 59' 40"
℄ R 250.6
T 101.23
L 192.43
Di 6.859
"B" Line
Δ 13° 42' 45"
℄ R 400
T 48.10
L 95.73
Di 4.2972
"D" Line
Δ 14° 38' 40"
℄ R 400
T 51.40
L 102.24
Di 4.2972
"D" Line
Δ 9° 55' 30"
℄ R 817.35
T 70.97
L 141.58
Di 2.103
"D" Line
Δ 8° 42' 05"
℄ R 800
T 60.85
L 121.49
Di 2.1486
"C" Line
Δ 21° 18' 30"
℄ R 1200
T 225.75
L 446.28
E 21.05
Di 1.4324
For ℄ Linda Vista + Morena Tie See Page 7
Morena Blvd.
Sherman St.
Napa St.
Curb Line
Road 2
Radial 2
Hail
Hail Fly
Hail Ac Germ
Chisel Cross Bridge
Point of Lath on Lumber Storage Shed
Re Set Leads Disc
Detail For Tie
Cross Cabinet
Concrete Mon
Old Town

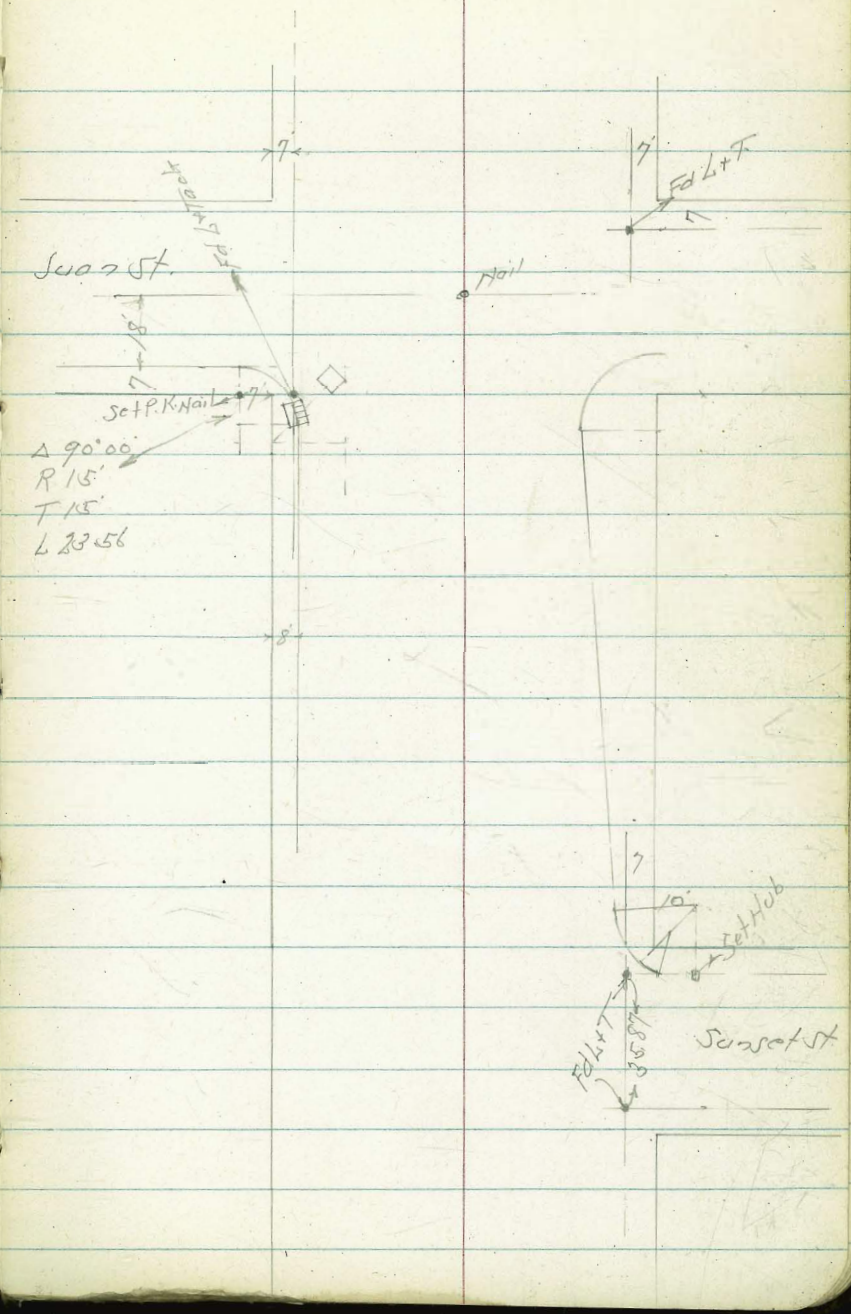
Morena Blvd. - Camino Del Rio And
North West Outer Connection





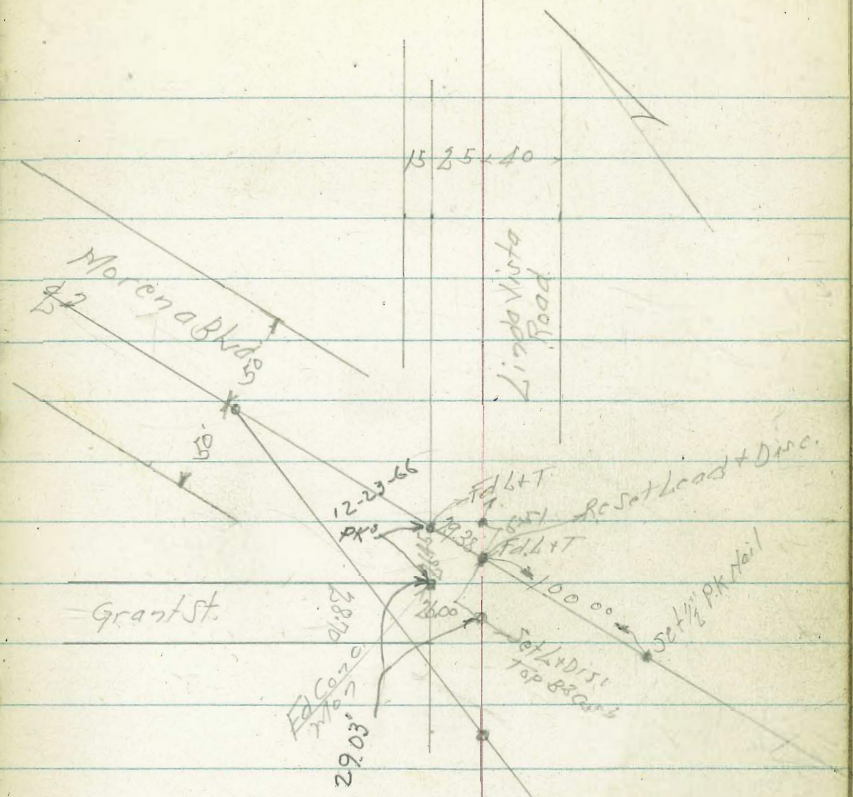
Chestnut St.
Taylor St.
19+72.53
L+T
Δ 119° 18' 45"
R 130
T 222.08
L 270.71
Di. 13.2221
18+79.83 B.C. Rt.
21+93.11
16+59.25 B.C.
P.K.
21+50.54 E.C. S.E. Inner Loop
28+97.42 E.C.
80.00
Tack Roof Rafter
R.P. Hub
Rosecrans St.
Δ 23° 44'
R 400
T 84.05
L 165.69
Di. 4.2972
S.E. Inner Loop
13+82.50 B.C.
27+31.73 B.C. Lt.
0+00 S.W. Inner Loop
℄ Camino Del Rio
82+50.46
50.70
29+80.97 Morena Blvd.
14
32
82
48
60
1+39.14 B.C.
Grades Page 79
10
10
10
16.2
10.28
26+56.42 Morena
79+11.92 Camino Del Rio
26+09.66
24+48.00 Morena
0+00 B.C. Rt. N.W.O.C.
76+18" R.C.P.
3+65
1.70
36.5
39.5
Δ 259° 04' 15"
R 1.45
L 655.64
S.W. Inner Loop
4+75 P.C.C.
7+94.78 E.C.
76+97.49
℄ H.W. Outer Connection


50'
50'
Taylor St
Sunset
Chisel Crosses on Manhole
Closed
25
25
33+17.95 EC
57.00
26
25
Nail
15+88.71
Δ 34° 23' 02"
℄ R 15.0' Di 11.45915
T 46.41
L 90.02
Δ 26° 18' 13"
℄ R 299.71 Di 5.73551
T 70.03
L 137.59
Rosecrans St
Tack Back of Bleachers
Whitman
P.K.
75
32+27.93 P.C.
100'
S.W. Inner Loop
Fd Cone Mon
32+57.71 Morena
16+95.78 Taylor
Fd L+T
P.K.R.P.
43.18
17.81
60
60° 41' 15"
51'
30+90.34 BC Rt.
29+80.97
7
SE Inner Loop


7'
Fd L+Tack
Suan St.
18'
7'
Set P.K. Nail
7'
Δ 90°00'
R 15'
T 15'
L 23.56
8'
7'
Fd L+T
7
Nail
7
10'
Set Hub
Fd L+T
35.87
Sunset St

Alignment Morena Blvd North Approach
"C" Line

+96.79 E.C.	10° 39.25'	
+ 83.80	10° 20.64'	
+75	10° 08.04'	
+50	9° 32.23'	
+25	8° 56.42'	
10+0	8° 20.61'	Δ 21°18'30"
+75	7° 44.80'	℄ R 1200'
+50	7° 08.99'	T 225.75
+25	6° 33.18'	L 446.28
9+0	5° 57.37'	E 21.05
+75	5° 19.62'	D 1.4324
+50	4° 45.75'	
+25	4° 09.94'	
8+0	3° 34.13'	
+75	2° 58.32'	
+50	2° 22.51'	
+25 L 50' C 17' R 49.29	1° 46.70'	
7+0	1° 10.89'	
+75	0° 35.08'	
6+50.51 BCR		
6+27.56		



Alignment: Morena Blvd + Linda Vista Road
"B" Line

+12.78 E.C.	21° 59.83'	
11+0	20° 32.18' ✓	Δ 43° 59' 40"
+82.08 = 1' Rev Rt	18° 27.41'	
+75	17° 40.71' ✓	∡R 250.6'
+50.	14° 49.24' ✓	T 101.23
+25	11° 57.77' ✓	L 192.43
+08 Δ = Signal	10° 01.17'	
10+0	9° 06.30'	D, 6.859
+75 Rt. Signal	6° 14.83' +	
+64.80	5° 04.87	
+50.11 = CL Δ Rt	3° 24.12 ✓	
+20.35 P.C.C.	3° 20.33' +	
+13	2° 48.75	Δ 6° 40' 40"
9+0	1° 52.89' +	∡R 400' L 46.62
		T 23.34 D, 4.2972
+73.73 P.R.C.	6° 51.37' +	
+50	5° 09.40' +	Δ 13° 42' 45"
+25	3° 21.97' +	∡R 400'
		T 48.10
8+0	1° 34.54' +	L 95.73
		D, 4.2972
7+78.00 B.C. Rt. Linda Vista		

Alignment Morena Blvd + Linda Vista
"D" Line

+88.95	P.R.C.	4° 21.05'	Δ 8° 42' 05"
+75		3° 50.98'	℄ R 800'
+50		2° 57.26'	T 60.85
+25		2° 03.54'	L 121.49
11+0		1° 09.83'	D1 2.1486
+75		0° 16.20'	
+67.46	P.C.C.	7° 19.33'	
+50		6° 04.14'	Δ 14° 38' 40"
+49.07		6° 00.14	
+25		4° 16.71'	℄ R 400'
+11.67		3° 19.46	
10+0		2° 29.28	T 51.40
+75			L 102.24
			D1 4.29.72
+65.22	P.C.C.	4° 57.75'	
+62.96	4° 54.60'		
+58	Rt. Signal	4° 42.50'	
+50		4° 25.70'	Δ 9° 55' 30"
+25		3° 33.15'	℄ R 817.35
+20	Lt. Dispatcher + Signal	3° 22.64'	
9+0		2° 40.58'	T 70.97
+75		1° 48.00'	L 141.58
+50		0° 55.43'	D1 2.103
8+23.64	B.C. Rt.		

Bench Marks Morena Blvd + Linda Vista

Morena Blvd.

BM	4.70	18.97		14.27	L+T P.I. ℄ Linda Vista Ro + Morena Blvd #2125-26.
BM			4.60	14.37	PK Nail 20' Lt 8+23.69 D"
TP	5.25	19.145	5.075	13.895	
BM			5.035	14.11	Chisel X 100' R.P. For ℄ Sherman + Morena SWly Conc Slab Feed Store
TP	6.235	23.705	1.675	17.47	MH Rim 23.5 Rt 1+50 17.44 2125-30
BM	5.895	26.400	3.20	20.505	on Rim Sewer M.H. Morena + Cushman
TP	3.21		5.30	21.10	
BM			8.18	16.13	SFly Prop Cor Mon Morena + Dorcas 16.19
BM	Nov. 10-52 5.56	19.83		14.27	℄ L+T Linda Vista + Morena
BM			4.99	14.84	Cross Top H Inlet 10+75 A"

May 27-52
A Sisson
Garber
Rorer
Fritz

Linda Vista Road

BM	5.77	20.04		14.27	L+T ℄ Linda Vista Ro + Morena
TP	9.98	26.33	3.69	16.35	
BM			3.98	22.35	B.P. N.E. Cor. Bridge Top Wing Wall
BM	4.01	18.28		14.27	L+T ℄ Linda Vista + Morena Blvd
	6.115	19.355	5.04	13.24	PK Nail Pl. Linda Vista Road + Napa
BM			1.055	18.30	℄ Nail 2+0 Linda Vista
TP	5.30	18.54	6.115	13.24	
BM	Start		4.26	14.28	L+T ℄ Linda Vista + Morena 14.27
BM	4.315	18.585		14.27	L+T ℄ Linda Vista + Morena
BM			5.025	13.56	SWBP Do Inlet Napa + Linda Vista

Bench Levels Morena Blvd
Camino Del Rio + Taylor St.

BM	3.76	23.83		20.07	S.W. BP in Walk of Bridge Moreno + Taylor St.
	2.49	14.65	11.67	12.16	
BM	4.10	11.895	6.855	7.795	S.E. B.P. Chestnut + Taylor (7.82 Rec.)
B.M.	4.905	11.16	5.64	6.255	Chisel □ 3' E of E.L. Taylor So. 1/4 Whitman
	4.36	10.21	5.31	5.85	
B.M.			5.56	4.63 ok 4.65	S.E. B.P. Juan St + Taylor 4.61 #21388
	Oct. 23-52 A. Sisson Garber				
B.M.	3.435	23.505		20.07	S.W. B.P. in Walk of Bridge Moreno + Taylor
TP	11.22	32.79	1.935	21.570	
B.M.			5.25	27.54	B.P. E Cb. Morena 35 South of Overpass
BM	0.92	28.46		27.54	Above 28.47
Const B.M.	S.W. Cor. Overpass		0.17	28.29	28.35 Page 60
	3.28	20.18	11.56	16.90	
	3.505	15.065	8.62	11.56	
B.M.	6.59	17.02	4.635	10.43 ok	on Mon under Overpass (10.54)
	7.09	22.21	1.90	15.12	
BM Starting			2.14	20.07	S.W. B.P. Walk of Bridge Moreno + Taylor

B.M.	3.96	10.21		6.25	Chisel □ 3' E.L.L. Taylor So. 1/4 Whitman
BM Set			2.92	7.29	S.W. B.P. N.Y. Cb. End Whitman + Taylor

Feb. 13-53
A. Sisson

Moreno + Taylor St. Bridge U.S.G.S. Datum

Cut offs for removal of old Bridge

BM	1.62	30.70		29.08	BP out used Cb 20.07 9.01 29.08
	1.52	19.43	12.79	17.91	
			11.50	7.93	Water Level under New Bridge
		Rod 11.43 8.43 C 3.00		8.00	used as Cut off.

on 3 Piers + North Abut

Alignment Morena Blvd. & Linda Vista Road
"A" Line

+50	11° 16.81'	
+25	10° 29.06'	
11+0	9° 41.32'	
+85.82 P.O.C. Mid. Point	9° 14.24'	Δ 36° 57'
+75 = Opp. H. Inlet on Lt	8° 53.57'	℄ R 900
+50	8° 05.82'	T 300.70
+46.46 = 1' R on Rt	7° 59.06'	
+25	7° 18.08'	L 580.41
10+0	6° 30.33'	E 48.90
+75	5° 42.59'	D. 1.9098
+50 x	4° 54.84'	
+25	4° 07.10'	
9+0	3° 19.35'	
+75	2° 31.61'	
+50	1° 43.86'	
+25	0° 56.12'	
8+0	0° 08.37'	

7+95.62 B.C. Lt. Ahead
7+53.55 Back

+76.03 F.C.	18° 28' 50"
+50	17° 38.77'
+25	16° 51.03'
13+0	16° 03.28'
+75	15° 15.54'
+63 = P.B. on Rt.	14° 52.62'
+50	14° 27.79'
+25	13° 40.05'
12+0	12° 52.30'
11+88.07 = P.O.C. P.R.C. "D"	12° 29' 50"
11+75	12° 04.55'

Alignment South East Inner Loop

Morena Blvd	Camino Del Rio + Taylor St.	
+59.25 F.C.	18° 56.5'	
+42.77	64° 50.20'	
+28.82	59° 59.20'	Δ 137° 53'
16+0	51° 10.93'	R 115'
+72.71	47° 22.86'	T 298.68
+60: S.L. + P.B.	41° 13.07	
+50	41° 43.60'	L 276.75
+25	35° 29.90'	D: 14.9467
15+0	29° 16.24'	
+95 P.O.C.	28° 01.51	
+79.99	24° 17.39'	
C 29.95		
+56 L 25	16° 48.90'	
C 15.01 C 29.95		
+34.99	13° 04.70'	
+10: S.L. on R	6° 51.04	
14+08.88	5° 48.91'	
C 23.81		
13+82.50 B.C. Pt.		

South East Inner Loop

+50.54 E.C.	59° 39.37'	
C 2.19		
+28.33	53° 38.27'	
+12.20	51° 12.42'	
31+0	48° 31.11'	Δ 119° 18' 45"
+75	43° 00.56'	L.R 130'
+50	37° 30'	T 222.08
+35	34° 11.67'	
+25 P.O.C.	31° 59.45'	L 270.71
20+0	26° 28.90'	D: 13.2221
+75	20° 58.35'	
50' L 49.70 C		
+50	15° 27.80'	
+38.04	12° 49.65'	
+25	9° 57.24'	
+07.14	6° 01.08'	
19+00	4° 26.69'	
C 2.15		
18+79.83 B.C. Rt.		

Alignment South West Inner Loop.
Morena Blvd + Camino Del Rio

5+0	71° 17.74'	
+75 P.O.C.	66° 21.38'	
+50	61° 25.03'	
+25	56° 28.67'	Δ 259° 04' 15"
4+0	51° 32.31'	½Δ 129° 32' 07½"
+75	46° 35.96'	℄R. 145'
+65 = Culv	44° 37.41'	
+50	41° 39.60'	L 655.64
+25	36° 43.24'	D. 11.8543
3+0 P.O.C.	31° 46.88'	
+75	26° 50.53'	
+50 = Light on Lt	21° 54.17'	
+40 = P.B. on Rt	19° 55.62	
+25	16° 57.81'	
C 24.97		
2+0	12° 01.45'	
50b C=49.75		
+75	7 05.10'	
+66.92	5° 29.31'	
+50	2° 08.74'	
C=10.85		
1+39.14 B.C.		

0+00 = 27+31.73 B.C. Morena Blvd.

South West Inner Loop

+94.78 E.C.	129° 32.12' +	
+75	125° 37.66' +	
+72.90	125° 12.78'	
+50	120° 41.32' +	
+25	115° 44.96' +	
740	110° 48.60' +	
+75	105° 52.24' +	
+50	100° 55.89' +	
+25	95° 59.53' +	
670 P.O.C.	91° 03.17' +	
+75	86° 06.81' +	
+50	81° 10.46' +	
5+25	76° 14.10' +	

Alignment Morena Blvd.
Over Pass to Taylor St.

+97.42 E.C.	11° 52'	
+75	10° 15.66'	Δ 23° 44'
+50	8° 28.23'	℄ R 400'
+25	6° 40.80'	T 84.05'
28+0	4° 53.37'	L 165.19
+75	3° 05.94'	Di 4.2972
+50 = 18" R.C.P.	1° 18.51'	
27+31.73 B.C.Lt.		

E Line Morena Blvd + Taylor St.

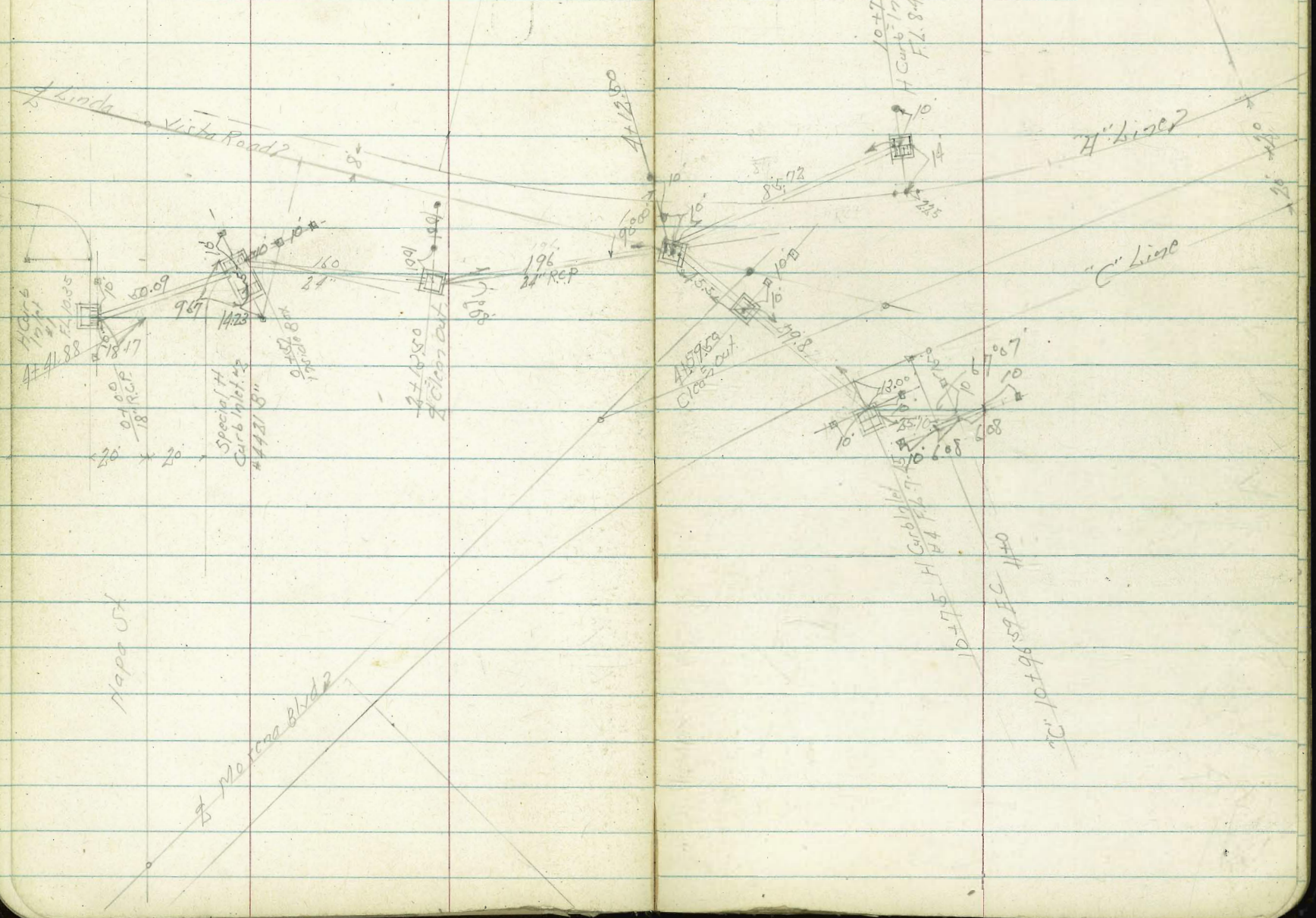
+17.95 E.C.	17° 11.52'	Δ 34° 23' 02"
33+0	13° 45.85'	℄ R 150.00
		T 46.41
+75	8° 59.38'	L 90.02
+50.73 = R.1 on Lt. → 4° 21.26'		
+50	4° 12.90'	Di 11.45915
+27.93 P.C.C.	13° 09.10'	
32+0	10° 28.91'	Δ 26° 18' 13"
+75	8° 05.53'	℄ R 300'
		T 70.10
+50	5° 42.16'	L 137.73
+25	3° 18.78'	Di 5.72958
31+0	0° 55.40'	
30+90.34 B.C.Rt		

Alignment Northwest Outer Connection
Morena Blvd. South Approach

+23.47 E.C.	36° 35'	
+10 Light	34° 22.69'	
2+0	32° 44.47'	
+86 = Culvert +18"	30° 26.94'	
+75 P.O.C.	28° 38.90'	Δ 73° 10'
+50	24° 33.34'	L R 175'
+25	20° 27.79'	T 129.89
+11.74 = Mid Point	18° 17.5°	
1+0	16° 22.23'	L 223.47
+85 Light	13° 54.87	
+75	12° 16.67'	Di 9.82213
+50	8° 11.11'	E 42.94
+25	4° 05.57'	
C 29.97		
0+00 B.C.Rt = Opp		
24+98 Morena Blvd.		

+72.17 E.C.	2° 57'
+50	2° 37.95'
+25	2° 16.46' Δ 5° 54'
6+0	1° 54.98' L R 2000'
	T 103.07
+75	1° 33.49' L 205.95
+50	1° 12' D.C. 0.85943
+28.81	0° 52.79'
+25	0° 50.52'
5+0	0° 29.04'
+83.81	0° 15.12'
+75	0° 07.55'
4+16.22 B.C.Rt	

Storm Drain Napa St. Linda Vista Road
And Morena Blvd.



June 5-52
H. Sisson
Garber
Rorer
Fritz

Grades Storm Drain Napa St
Linda Vista Road + Morena Blvd

+72				9.34	8.06 4.27 c3.79
+52				9.45	7.95 4.54 c3.41 10'E
+32				9.56	7.84 4.67 c3.17 10'E
1+12			0055	9.67	7.73 4.77 c2.96 10'E
+92				9.78	7.62 4.64 c2.98 10'E
+72				9.89	7.51 4.80 c2.71 10'E
8:20 +52 = S Inside Box +50.1 = H Curb Inlet #2 Special Inside Edge Box	Grate 12.63 4.77 4.79 F0.02 10'E	Top 13.50 3.90 4.79 F0.89 10'E		10.00	7.40 4.79 c2.61
+33.4				10.11	7.29 4.90 c2.39 10'E
+16.7			00675	10.23	7.17 4.81 c2.36 10'E
3-16.7 0+0 = H Curb Inlet #1	Grate 12.46 4.94 5.32 F0.38	Top 13.29 4.11 5.32 F1.21 10'E		10.35	7.05 5.32 c1.73 10'E
BM 4.16	17.40			13.24	P.K. Nail P.I. Linda Vista + Napa P10

June 6-52
A. Sisson
Garber
Rorer

2-24 4+14 - South Inside Box 4+11 = North Inside Clean Out Box		Top 15.94 2.99 4.52 F1.53 10'E		8.00	10.93 4.52 c6.41 10'E
+90				8.14	10.79 4.64 c6.15
+65				8.28	10.65 4.72 c5.93
+40				8.42	10.51 4.78 c5.73
3+15			0056	8.56	10.37 4.96 c5.41
+90				8.70	10.23 5.13 c5.10
+65				8.84	10.09 5.37 c4.72
TP	5.59	18.93	4.06	13.34	
+40				8.98	8.42 4.06 c4.36
8-25 +15 = South Inside Box 2+12 = North Inside of Clean Out Box		Top 14.33 3.07 4.10 F1.03 10'E		9.12	8.28 4.10 4.18 10'E
1+92			0055	9.23	8.17 3.82 c4.35 10'E
	17.40				

BM		465	14.28	L+T Z Morena + Linda Vista 14.27					
+77 = Outlet			7.25	11.68 5.02 c6.66					
+39.3 = H Curb Inlet +39.68	Grate 13.84 5.09 5.07 C0.02	Top 14.67 4.26 5.07 F0.81	7.45	11.48 5.07 c6.41					
+29			7.53	11.40 5.05 c6.35	+85.7 = H Inlet #3 North Inside Edge	Grate 14.00 4.93 4.56 C0.37	Top 14.83 4.10 4.56 F0.46	8.44	10.49 4.56 c5.93
5+01		00425	7.62	11.31 4.98 c6.33	+60			8.31	10.62 4.57 c6.05
+89			7.70	11.23 4.63 c6.60	+40		00513	8.20	10.73 4.63 c6.10
4=20 +61 South " " +59.5 = Z North Inside of Clean Out Box.		Top 15.85 3.08 4.60 F1.52 10 SEly	7.79	11.14 4.60 c6.54 10 SEly	+20			8.10	10.83 4.60 c6.23
4+38			7.90	11.03 4.65 c6.38 10 E	0+0 = Clean Out = 4+12.5 = Z		Top 15.94	8.00	10.93 4.52 c6.41
	18.93					18.93			

Grades Storm Drain Morena Blvd May 29-52 Assisson

27+50

Sketch Page 3

	℄ Rod	℄ Ground	Restake June 4-52
+77.5 = R.P.			7.46 / 6.61 / c0.85
+60 = outlet	6.8	7.3	3.86 / ~~6.30~~ 10.23 / 6.81 / c3.42
+40.5	6.3	7.8	3.96 / ~~6.34~~ 10.13 / 6.86 / c3.27 / 10
1+20	6.3	7.8	4.07 / ~~6.37~~ 10.02 / 6.46 / c3.56
1+00.5	5.1	9.0	4.17 / ~~6.41~~ 9.92 / 5.39 / c4.53 / 10' So.
+80	5.5	8.6	4.27 / ~~6.45~~ 9.82 / 5.75 / c4.07 / 10' So.
+60	5.5	8.6 .005 .00193	4.37 / ~~6.49~~ 9.72 / 5.80 / c3.92 / 10' So.
+40	5.6	8.5	4.48 / ~~6.52~~ 9.61 / 5.95 / c3.66 / 10' So.
+20	6.3	7.8	4.58 / ~~6.56~~ 9.51 / 6.62 / c2.89 / 10' So.
0+0 = Inlet	7.1 / 6.91 / 7.18 / 7.00 / c0.18 / Top Curb	7.0 / 5.91 / 8.18 / 7.00 / c1.18 / Grate	4.68 / ~~6.60~~ 9.41 / 7.00 / c2.41 / 10' South
0 - ~~0.7~~ 0.55 = R.P.			7.16 / ~~6.61~~ / c0.55
BM 7.18	14.09		6.91 on R145 Hub SW 1L
3.91	13.76	4.16	9.85
BM 3.47	14.01		10.54 ℄ Mon Morena & Camino

Storm Drain South West Inner Loop 23

3+65 76'-18"

Sketch Page 4

June 4-52 Assisson Garber Rorer Fritz

	℄ Rod	℄ Ground Elev.		
+76 = outlet	4.8	6.6	1.70	9.69 / 4.60 / c5.09
+57	4.8	6.6	1.79	9.60 / 4.87 / c4.73
+38	4.6	6.8 .005	1.88	9.51 / 4.67 / c4.84
+19	4.8	6.6	1.97	9.42 / 4.53 / c4.89
0+00 = Inlet	4.7	6.7	2.06	9.33 / 4.77 / c4.56 / 10' East
BM 4.48	11.39		6.91	on R145 Hub SW 1L Page 61

Storm Drain Outer Conn.	1+86 North West		July 10-52 A Sisson Garber Rorer
Sketch Page 3	80' 18" R.C.P.		
+80 = N.W.ly Outlet		0	7.00 13.60 / 1.80 / C 11.80
+60			7.38 13.22 / 0.02 / C 13.20
+40		.01875	7.75 12.85 / 1.85 / C 11.00 / 10
+20			8.13 12.47 / 5.78 / C 6.69 / 10E
0+0 = Inlet		0	8.50 12.10 / 9.69 / C 2.51 / 10E
BM 9283-49 10.06	20.60 X		10.54 Mon Z Camino & Moren

Storm Drain + H Curb Inlet 4+25 North West Outer Connection Sketch Page 3		June 16-52 A. Sisson 24
16' 18" R.C.P.	18.62 X Bt Ford Page 57	
"H" Inlet	Top Cb 17.00	1.62 / 9.49 / F 7.87 / 10' W of N'ly Box
Grate	16.08	2.54 / 9.49 / F 6.95 / 10' W
Bottom Box	6.25	12.37 / 9.49 / C 2.88 / 10' W
16' N of N Inside Box = Outlet	5.75	13.07 / 8.32 / C 4.75 / 10' N of NE Pipe
		13.60 / 2.20 / C 11.40 / 20
		13.22 / 1.33 / C 11.89 / 20
		12.85 / 1.58 / C 11.27 / 20

Morena Blvd.

June 7. 1952
A. Sisson
Porter
D. Sisson
Oltman

Lt = East

Rt = West

Sta.	Slope	Super	R.P.	Toe	Shdr. Hinge		E.P.	℄	E.P.		Shdr. Hinge	Toe	R.P.
BM	3.39		23.90 ⊼		20.51	07 R.m M.H. Morenay Cushman Page 10							Soil Grade 07 R.P. 24.86 ⊼
-200	Finish Grader				15		19.60 12		19.37 8 Ex.s		15		
BM	14.11 750 21.41 ⊼												
	Sub Grade Nov. 1952												
-1+50	14.11 739 21.50		2.66	5.2 5.4 F0.2 26.3	18.75 20	4.6 5.2 F0.6 13.3	19.32 13.35	19.30	19.31 10.7	4.6 5.0 F0.4 10.7	19.26 15	4.6 5.0 F0.4 15.6	
-1+25 = ⊼ iR			OK		18.63 25	2.32 2.5 2.57	19.80 19.18 14	19.30 2.20 2.38 F0.18	5.06 5.25 F0.19 19.18 12	5.18 5.43 5.4	19.03 15	out	stop
-1+00			3.02	5.5 6.1 F0.6 26.4	18.39 25.50'	5.0 6.1 F1.1 15	18.94 14.50'	19.06 2.56 2.75 2.81	19.56 1.66 18.94 13' 2.44 2.62 F0.18 5.47 5.67 5.72 F0.05 07 M.H. Concrete	5.0 5.4 F0.4 13	18.74 17'	5.2 5.4 F0.2 17.3	
-0+75				5.8 out	18.16 26'	5.2	18.71 15'	18.83 2.39 2.75 3.04 2.47 2.89 F0.22	19.33 2 18.71 14'	5.65 2.50 5.9	18.46 19'	5.5 out	
-0+50			3.49	6.0 8.1 F2.1 29.7	17.92 26.5'	5.4 8.1 F2.7 25.5	18.47 15.5'	18.59 3.02 2.75 3.28 2.91 3.84 F0.13	19.09 3.66 18.47 15' 5.89 2.75 6.14	5.4 5.2 C0.2 15	18.17 21'	5.8 5.7 5.2 C0.6 21.6	

Morena Blvd.

23.90 T

Sta.	Slope Super	R.P.	Toe	Shdr. Hinge		E.P.	℄	E.P.		Shdr. Hinge	Toe	R.P.
-0+25	Finish Grades 21.41 T		out	17.70 / 27'		18.25 / 16' (18.87 / 2.63 = Cb; 3.25 / 2.5 / 3.50)	18.37 (3.13 / 3.12 / 0.0)	18.25 / 16' (18.87 = Cb; 4; 6.11 / 2.5 / 6.36)		17.70 / 27' / 24.5		Soil Crete on Rt 20.35 T / 2.57 / 17.78 / 6.58 / 24.36
	Sub. Grades on Lt 21.50 T											
0+00		3.93	6.4 / 11.7 / F 5.3 / 35.5	17.48 / 27.5'	5.9 / 11.7 / F 5.8 / 16.5	18.03 / 16.5' (3.47 / 2.5 / 3.72)	18.15 (3.35 / 3.34 / 0.0)	18.03 / 17' (18.65 = Cb; 3 = 2'R; 2.32 / 2.5 / 2.57; 5.9 / 6.7 / C 0.7 / 17)		17.48 / 28'	6.4 / 5.7 / C 0.7 / 28.7	
0+25				17.25 / 28'		17.80 / 17' (3.70 / 2.5 / 3.95)	17.92 (3.58 / 3.59 / 0.0)	17.80 / 18' (2.55 / 2.5 / 2.80 / 2.93 / F 0.13 on Drive)		17.25 / 29'		Feed Store 2 Island Cos. BM 14.11 / 7.21 / 21.32
0+50		4.39	6.9 / 7.6 / F 0.7 / 29.6	17.02 / 28.5'	6.3 / 7.6 / F 1.3 / 17.5	17.57 / 17.5' (3.93 / 2.5 / 4.18)	17.69 (3.81 / 3.79 / 0.0)	17.57 / 19' (2.78 / 2.5 / 3.03 / 2.94 / C 0.09 on Drive; 6.3 / 6.3 / 0.0 / 19')		17.02 / 30'	6.9 / 6.3 / C 0.6 / 30.6	
0+60 = 1 Cb R on Rt							3.20 / 3.76 / F 0.56	18.12 / 4.40 1 Cb R	18.11 / 5.40 = Cb	3.21		
0+75				16.80 / 29'		17.35 / 18' (4.15 / 2.5 / 4.40)	17.47 (3.32 / 3.85 / F 0.53; 4.03 / 4.02 / 0.0)	17.35 / 20' (18.00 = Cb; 0.30; 3.00 / 2.5 / 3.25)	17.97 / 7.50 (3.26 / 3.96 / F 0.70)	16.80 / 31'		
TP	3.31	20.82		6.39	17.51							

Morena Blvd.

Sta.	Slope	Super	R.P.	Toe	Shdr. Hinge		E.P.	℄	E.P.		Shdr. Hinge	Toe	R.P.
			20.82 ⊼				3.55 / 4.06 / F0.51 17.77 = Cb / 3.70		17.74 = Cb / 8.75	3.58 / 4.23 / F0.65			
1+00	Finish on Lt. 21.41 ⊼ Sub Grade on Lt. 21.50 ⊼		✓ 4.84 ✓	4.3 / 4.6 / F0.3 / 30.0	16.57 / 29.50'	3.7 / 4.6 / F0.9 / 18.5	17.12 / 18.50' 4.38 / 2.5 / 4.63 ✓	17.24 / 4.26 / 4.27 / 0.0	17.12 / 20.75' 3.23 / 2.5 / 3.48	3.7 / 3.1 / C0.6 / 20.75	16.57 / 31.75'	4.3 / 3.1 / C1.2 / 33.0	✓
1+25	21.32 ⊼ ℄ Island Curbs				16.34 / 30'		3.81 / 4.32 / F0.51 17.51 / 6.30 = Cb / 16.89 / 19' 4.61 / 2.5 / 4.86 ✓	17.01 / 4.49 / 4.50 / 0.0	17.51 / 9' = Cb / 16.89 / 21'	3.81 / 4.49 / F0.68 / 3.46 / 2.5 / 3.7 ✓	16.34 / 32'	out	Soil Cr. Rt Edge 20.35
1+50			✓ 5.30 ✓	4.7 / 6.8 / F2.1 / 33.7	16.11 / 30.50'	4.2 / 6.8 / F2.6 / 19.5	4.04 / 4.58 / F0.54 17.28 / 7.50 = Cb / 16.66 / 19.50' 4.84 / 2.5 / 5.09 ✓	16.78 / 4.72 / 4.73 / 0.0	17.28 / 7.25 = Cb / 16.66 / 21'	4.04 / 4.69 / F0.65 / 3.69 / 2.5 / 3.94 ✓	16.11 / 32'	4.7 / 3.4 / C1.3 / 33.3	✓
1+75					15.88 / 31'		4.27 / 4.80 / F0.53 17.05 / 8' = Cb / 16.43 / 20' 5.07 / 2.5 / 5.32 ✓	16.55 / 4.95 / 4.94 / 0.0	17.05 / 2' = Cb / 16.43 / 21'	4.27 / 4.76 / F0.49 / 3.92 / 2.5 / 4.17 ✓	15.88 / 32'		
+82.5						16.82 / 8.50 = Cb	4.50 / 5.00 / F0.50 16.82 / 3.25 = Cb		16.82 / 2.50 4.15 / 2.5 / 4.40 ✓		16.36 / 19.2 = T/C/P MH	5.05 = ℄ MH	5.02 / 3'N	5.08 / 3'S
2+00			5.76	5.2 / 5.2 / 0.0 / 31.5	15.65 / 31.5'	4.6 / 5.2 / F0.6 / 20.5	16.20 / 20.5' 5.30 / 2.5 / 5.55 ✓	16.32 / 5.18 / 5.16 / 0.0	16.20 / 21'	4.6 / 4.3 / C0.3 / 21.0	15.65 / 32'	5.2 / 4.3 / C0.9 / 32.9	✓

Morena Blvd.

Sta.	Slope Super	R.P.	Toe	Sldr. Hinge		E.P.		E.P.		Sldr. Hinge	Toe	R.P.
		20.82 T										
2+25 = Δ on Lt.	Finish 21.41 T		5.4 · 5.98 ✓ 5.4 0.0 32.0	15.43 32'	4.8 5.4 F0.6 21.0	16.60 ⊂b 7	4.73 5.33 F0.61 Island	15.98 21'	4.36 4.5 4.9 ✓ 4.8 4.5 C0.3 21.0	15.43 32'	5.4 4.5 C0.9 ✓ 32.9	RP Sd. Cr. 20.35 T
	Island Cbs 21.32 T		4.34 ✓ 5.7 7.2 F1.6 37.2	15.17 34.86'	5.1 7.2 F2.2 23.86	16.37 ⊂b 7	4.95 5.67 F0.69	15.75 21'	4.0 4.5 4.85 ✓ 5.1 5.6 F0.5 21.0	15.20 32'	5.6 5.6 0.0 32.0 ✓	
2+50						15.77 23.86'	5.78 6.03 ✓ 15.87 5.63 5.78 F0.15					
2+75				14.91 37.71'		16.14 7	5.18 5.88 F0.71	15.52 21'	4.93 4.5 5.08 5. ✓	14.97 32'		
						15.46 26.71'	6.04 6.29 ✓ 15.64 5.86 6.04 F0.18					
3+00			6.2 · 6.76 ✓ 6.7 F0.5 41.4	14.65 40.57'	5.6 6.7 F1.1 29.57	15.91 7	5.41 6.32 F0.71	15.29 21'	5.06 4.5 5.31 ✓ 5.5 10.7 F5.2 21.0	14.74 32'	6.1 10.7 F4.6 38.9	
	4.95 BM 14.11 4.57 18.70					15.20 29.57'	6.30 6.5 6.5 ✓ 15.41 6.09 6.26 F0.17					
3+30		18.70 14.37 4.33 4.47 F0.14 3' Fair	6.5 · 7.04 ✓ 6.5 6.0 44.0	14.37 44'	5.9 7.5 F0.6 32.0	15.66 7 ⊂b 7 Island	5.86 6.34 F0.68	15.04 21'	5.31 4.5 5.9 ✓ 5.8 12.1 F6.3 21.0	14.49 32'	6.3 12.1 F5.8 40.7 ✓	
						14.92 33'	6.58 6.83 ✓ 15.16 6.34 6.48 F0.14					

Morena Blvd. Lt = East. Rt = W

20.82 ⊼

Sta.	Slope Super	R.P.	Toe	Shdr. Hinge	E	E.P.	℄	E.P.		Shdr. Hinge	Toe	R.P.
	Finish 21.41 ⊼					15.54 cb / 7 24' Island		5.78 / 6.45 / F0.67				
3+50	Sub Grade on Lt 21.50 ⊼		7.16 6.6 / 6.6 / 0.0 / 44.0	14.25 / 44'	6.0 / 6.6 / F0.6 / 33.0	14.80 / 33' 6.70 / 2.5 / 6.95	15.04 / 6.46 / 6.58 / F0.12	14.92 / 21' 5.43 / 2.5 / 5.68	5.9 / 12.6 / F6.7 / 21'	14.37 / 32'	6.5 / 12.6 / F6.1 / 41.2	✓
TP	4.01	18.12	6.72	14.11 / 14.10	Chisel x Conc Slab Feed Store 14.11 Page 10							Soil Crete Rt Side
						15.43 cb / 7	5.89 / 6.55 / F0.66					BM 14.11 x Feed Store 4.81 / 18.92 ⊼
3+75				14.14 / 44'		14.69 / 33' 6.81 / 2.5 / 7.06	14.93 / 6.57 / 6.65 / F0.08	14.81 / 21'	5.54 / 2.5 / 5.79	14.26 / 32'		
						15.34 cb / 7	5.98 / 6.62 / F0.64		Finish 4.67	14.32 / 30	4.60 / 2.5 / 4.85	Nov 21-52 Soil Crete on Rt
4+06.05			4.1 / 4.4 / F0.3 / 44.5	14.05 / 44'	3.5 / 4.4 / F0.9 / 33	14.60 / 33' 6.90 / 2.5 / 7.15	14.84 / 6.66 / 6.74 / F0.08	14.72 / 21'	3.4 / 9.9 / F6.5 / 21.0	14.17 / 33'	4.82 / 2.5 / 5.07 4.0 / 9.9 / F5.9 / 41.9	BM 14.11 x Feed Store 6.24 / 20.35 ⊼
		For Light BM 14.11 5.56 / 19.61	x Feed Store Page 10						4.69 14.30 / 32.06	4.62 / 2.5 / 4.87	B	14.11 / 4.88 / 18.99 ⊼
4+25						15.33 / 7	14.83 / 4.34 / 4.34 / F0.10	14.71 / 21'		Gut El. 14.31 / 35.06'	4.68 / 2.5 / 4.98	
+28 = 2' Cb Rad.		14.11 / 4.96 / 19.07 ⊼			5.99 / 6.67 / F0.68		6.00		4.79 4.63 / 2.5 / 4.88 14.29 / 36.08	14.30 / 38.64 For Light	5.5	
4+50						14.60 / 33'	14.84 / 4.23 / 4.38 / F0.15	14.72 / 21'	3.4 / 7.4 / F4.0 / 21	Gut El. 14.30' / 39.08'	3.8 / 7.4 / F3.6 / 44.5	
+75							14.90	4.67 / 4.37 / F0.20				

Morena Blvd. Lt: E Rt: W

Sta.	Slope	Super	R.P. (18.12)	Toe	Shdr. Hinge	E.P.	℄	E.P.		Shdr. Hinge	Toe	R.P.
4+81.88 = B.C. on Rt.						14.69 33'	14.93 out	14.69 33'	4.64 24 4.88 / 14.28 40.1 (4.71)	Gut El. 14.31 43.10'	2.1 5.1 F3.0 4.5	16.39 ⊼ Page 49
												12.5 in from 20' Rad.
												Soil Cr. 18.92 ⊼
5+00						14.76 33'	15.00 4.07 4.35 F0.28	14.76 33'				
5+25						14.89 33'	15.13 3.94 4.41 F0.47	14.89 33'			BM	14.84 4.87 19.71 ⊼
5+50.54 = B.C. on Lt. = R.2 on Rt.				18.54 ⊼ Page 37 3.9 5.6 + F1.7 46.8	Gut El. 14.61 44.23	15.01 33'	15.25 3.82 4.44 F0.62	14.97 33'	3.94 5.34 F1.40 15.77 5 cb	15.75 cb 9	3.96 5.34 F1.38	14.56 30 4.36 25 4.61
+54.79 = B.C. on Rt.								14.95 33	3.2 4.7 F1.5 33	Gut El. (14.56) 43.68'	4.31 25 4.56 3.92 3.6 4.7 F1.1 45.4	18.48 ⊼ Set from ℄ Morena
+75							15.38	14.94 33'	4.12 25 4.37 14.80 37.45 3.81 5.38 F1.57 15.90 cb	Gut El. (14.65) 40.45'	4.22 25 4.47 15.88 cb 9	3.83 5.38 F1.55

Morena Blvd. & "C" Line

Rt. of way

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
			18.12										
6+00			18.54A →	4.1 / 5.1 / Fl.0. / 45.5	3.6 / 5.1 / Fl.5 / 34.6	14.43 / 44	14.93 / 34.6	15.50 / 7.8 / 6.36 / 3.5	15.22 / 21'	El. 14.75 / Gut. / 36.45'	4.3 / 3.5 / 4.3 / 3.7 / 4.5 / Fl.6 / 21	5.4 / 4.5 / Fl.1 / 38.2.	Island 19.71A
								3.69 / 5.43 / 16.02=Cb / Fl.71 / 5		16.00=Cb / 9	3.71 / 5.43 / Fl.72		
						20.12A							
6+27.56 Morena Back / 6+50.51 B.C. "C" Line Ahead		.05			Cb / 16.14 / 3.59 / 5.46 / Fl.87.	14.85 / 44'	15.40 / 33'	15.64	14.87 / 14 / 5.45 / 5.75 / 14.87 / 8.76 / 15.27 / 21'	14.72 / 32'	4.00 / 3.5 / 4.25 / 2.9 / 4.5 / Fl.6 / 21.0	3.4 / 4.5 / Fl.1 / 33.7.	Ford Store BM 14.11 / 4.37 / 18.48
								3.53 / 5.48 / 16.18=Cb / Fl.95 / 5		16.16 / 9	5.55 / 5.48 / Fl.93		
+50 "C"			BM 14.27 / 5.46 / 19.73	Island Curb & L&T Lindavista Morena									
6+75 "C" Line		.0375				Curb / 16.26 / 3.47 / 5.53 / Fl.06.	15.76 / 6'		15.31 / 6'	13.01 / 14 / 5.31 / 5.55 / 14.90 / 17'			Sailors Ford Store BM 14.11 / 6.22 / 20.32A
													14.11 / 4.76 / 18.87A
7+00		.046				3.34 / 5.89 / Fl.25 / 16.39	15.89 / 6'		15.34 / 6'	15.02 / 14 / 5.30 / 5.55 / 14.88 / 17'	3.60 / 2.8 / 4.5 / Fl.9 / 6	3.2 / 4.5 / Fl.3 / 19.0.	
TP		.462	18.34	4.40	18.72								
7+25		.052				3.34 / 5.29 / Fl.47 / 40 / 16.49	15.99 / 6'		15.36 / 6'	14.94 / 14 / 5.38 / 5.53 / 14.78 / 17'			

"C" Line

18.34 T

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
7+50		.057			3.16. 4.91 F1.75	Curb 16.57	16.	.07 6'		15.39 6'	14.94/14 14.77 17' 5.38 2.5 5.63 3.71	3.0. 4.8 F1.8 6	3.6. 4.8 F1.2 18.8.	
														18.48 T
7+75		.059			3.11. 4.38 F1.47.	16.62	16	.12 6'		15.41 6'	14.94/14 14.76 17' 5.38 2.5 5.63			19.73 T
														Soil Crete 20.32 T
8+00		.06			3.10. 4.48 F1.38.	16.63	16.	.13 6'		15.41 6'	14.93/14 14.75 17' 5.39 2.5 5.64 3.73	2.9. 4.4 F1.5 6.	3.6. 4.4 F0.8 18.2.	
8+25		.06			3.12. 4.46 F1.34.	16.61	16.	.11 6'		15.39 6'	14.91/14 14.73 17' 5.41 .45 5.66			
8+50		.06			3.16. 4.34 F1.18	16.57	16	.07 6'		15.35 6'	14.87/14 14.69 17' 5.45 .25 5.70 3.79	3.0. 4.6 F1.6 6	3.7. 4.6 F0.9 18.4.	

"C" Line

18.34

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
8+75		.06			3.25 4.29 F1.04	Carb 16.48	15.98 6'		15.26' 6'	14.28 14 / 14.60' 17'	5.54 25 5.79		18.48 π 3.99 14.49 4.15 18.64
9+00		.06			3.36 4.45 F1.09	16.37	15.87 6'		15.15 6'	14.67 14 / 14.49 17'	5.65 25 5.90 3.99 3.2 10.5 F7.3 6'	3.9 10.5 F6.6 26.9	19.73 π Soil Crete 20.32 π 6.15 14.17 6.66 20.83
9+25		.06			3.49 4.42 F0.93	16.24	15.74 6'		15.02 6'	14.54 14 / 14.36 17'	5.78 25 6.03		
9+50		.06			3.61 4.54 F0.93	16.12	15.62 6'		14.90 6'	14.42 14 / 14.24 17'	5.90 25 6.15 4.40 3.4 5.8 F2.4 6	4.1 5.8 F1.7 19.6	
9+75		.06			3.74 4.75 F0.99 1.01	15.99	15.49 6'		14.77 6'	14.29 14 / 14.11 17'	6.54 25 6.79		

"C" Line

18.34

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
										14.16 / 14 — 6.67 / 2.5 / 6.92			18.64 ⊼
10+00		.06			3.87 / 4.88 / F1.01	Curb 15.86	15.36 / 6		14.64 / 6'	13.98 / 17'	4.66 3.7 / 4.4 / F0.7 / 6	4.4 / 4.4 / 0.0 / 17	
													19.73
										14.04 / 14 — 6.79 / 2.5 / 7.04			
10+25					3.99 / 5.08 / F1.09	15.74	15.24 / 6'		14.52 / 6'	13.86 / 17'			Soil Crete 20.83 ⊼
										13.93 / 14 — 6.90 / 2.5 / 7.15			
10+50		.059			4.12 / 5.01 / F0.89	15.61	15.11 / 6'		14.40 / 6'	13.75 / 17'	4.89 3.9 / 4.6 / F0.7 / 6	4.6 / 4.6 / 0.0 / 17	
										13.99 / 14 — 6.84 / 2.5 / 7.09			
10+75 = In lot on Rt		.052			4.19 / 5.16 / F0.97 / out	15.54	15.04 / 6'		14.41 / 6'	13.83 / 17'			
+83.80 = 1'R on Rt					4.14 / 5.36 / F1.22	15.59							
										14.19 / 14 — 6.64 / 2.5 / 6.88			
10+96.78 E.C.		.05					15.10 / 6'		14.59 / 6'	14.04 / 17'	4.60 3.8 / 4.7 / F0.9 / 6	4.3 / 4.7 / F0.4 / 17.6	
B.M		8.77	23.04	4.07	14.27	Lt + Rt. Lindavista & Morena	14.27 Plan						

"C" Line

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
			23.04										
			23.01 ⊼		curb								18.64 ⊼
11+25					16.03	6.98 8.32 F1.34	15.53 29.51	5.87 25 6.12	14.96' 6'	14.41 17'			
11+50					16.33	6.68 7.91 F1.23	15.83 28.24	5.45 25 5.70	15.38 6'	14.83 17'	3.81	7.7 11.6 F3.9 6	8.2 11.6 F3.4 22.1
11+75					16.74	6.27 7.57 F1.30	16.24 26.96	4.94 25 5.19	15.89 6'	15.34 17'		out	
12+00					17.28	5.73 6.94 F1.21	16.78 25.68	4.37 25 4.62	16.46' 6'	15.91 17'	6.6 14.6 F8.0 6	7.1 14.6 F7.5 28.3	
12+25					17.94	5.07 6.32 F1.25	17.44 24.40	3.69 25 3.94	17.14' 6'	16.59 17'			

"C" Line

Sta.	Slope Super	R.P.	Toe	Curb	Shdr. Hinge		E.P.	℄	E.P.	Shdr. Hinge		Toe	R.P.
		23.04											18.64 T 1.33 BM 19.32 Δ 2.43 2.75 Y 16.57 19.25
		BM 22.25 .66 23.01 T											
12+50				18.74	4.27 5.56 F1.29	18	.24 23.12'	2.88 .25 3.13	17.95 6'	17.40 17' 17.93	5.1 14.5 F9.4 6	5.6 14.5 F8.9 30.4	
+60	RH 5.2												0.91 3.34 F2.43 18.5
12+75				19.56	3.45 4.88 F1.43	19	.06 21.84'	2.05 .25 2.30	18.78 6'	18.23' 17'			
13+00				20.33	2.78 4.13 F1.35	19	.83 20.56'	1.27 .25 1.52	19.56 6'	19.01 17'	3.5 12.8 F9.3 6	4.0 12.8 F8.8 30.2	S.C. Rt Edge 20.83 T .08 20.23 5.60 25.63 3.23 22.39
13+25				21.03	1.98 3.31 F1.33	20	.53 19.28'	0.55 .25 0.80	20.28 6'	19.73 17'			BM 22.39 N.E.B. 22.35
13+50				21.66	1.25 2.43 F1.38	21	.16 18'	4.26 .25 4.51	20.92 6'	20.37 17'	2.1 10.1 F8.0 6	2.7 10.1 F7.4 28.1	
13+76.27				22.29	0.72 1.82 F1.10	21	.79 18'	4.07 .25 4.32	21.55 6'	21.00 17'			
14+00				22.80		22	.30 18'	3.56 .25 3.81	22.06 6'	21.51 17'	1.0 9.9 F8.9 6	1.5 9.9 F8.4 29.6	
+25	N.Y. Bridge			23.18		22	.68						
BM			0.67	22.37	N.E.B.P. Cor. Wing Wall of Bridge 22.35 P10								N.E.B.P. Cor. Wing Wall of Bridge

"D" Line

June 11-52
H Sisson
Garbel
Reed
Fritz

Sept 26-52 87

L+T & Morrow + Lindelsta.

BM 4.27 18.54 14.27

Sta.	Slope Super	R.P.	Toe	F.P.	Shdr. Hinge		E.P.	℄	E.P.	Shdr. Hinge	Curb	Toe	R.P.
												BM 14.27	L+T & Lindelsta + Morrow
6+50			3.6 / 5.7 / F1.7 / 25.4	3.0 / 5.3 / F2.3 / 12'	14.96 / 23'	4.61 / 2.5 / 4.86	15.51 / 12'		15.77 / 26'	3.38 / 4.79 / F1.51 / 26	16.27 / 26'	3.43 / 5.52 / F2.09 / 4.78 / 190.5	
													Island 19.71
6+75					15.09 / 23'	4.85 / 4.73	15.64 / 12'		15.92 / 24.25'		16.43 / 24.25	3.29 / 5.38 / F2.24	
													SC on Δ 148.4 / 5.48 / 20.12 Δ
7+00			3.3 / 5.6 / F2.3 / 26.5	2.8 / 5.6 / F1.8 / 12	15.21 / 23'	4.26 / 4.7 / 4.6	15.76 / 12'		16.04 / 19'	3.01 / 4.73 / F1.72 / 26	16.54 / 19	3.17 / 5.18 / F2.01	
7+25					15.32 / 23'	4.25 / 2.5 / 4.50	15.87 / 12'		16.13 / 13.75'		16.63 / 13.75	3.08 / 4.97 / F1.89	
7+50			3.14 / 4.5 / F1.4 / 25.1 / Nail AC	2.6 / 4.6 / F1.9 / 12	15.40 / 23	4.12 / 2.5 / 4.42	15.95 / 12'		16.19 / 12'	2.86 / 4.80 / F1.94 / 12	16.69 / 12	3.02 / 4.84 / F1.82	
7+75					15.45 / 23'	4.12 / 2.4 / 4.37	16.00 / 12'		16.24 / 12'		16.74 / 12'	2.97 / 4.68 / F1.91	
8+00			3.1 / 4.2 / F1.1 / 24.7	2.5 / 4.2 / F1.7 / 12	15.46	4.11 / 2.5 / 4.36	16.01 / 12'		16.25 / 12'	2.80 / 4.76 / F1.96 / 12	16.75 / 12	2.96 / 4.32 / F1.36	
TP	5.14	19.51	24.7	14.37	on 20' R.P. No 11 8+23.64 "D" Page 70								
8+23.64 BC			4.1 / 5.2 / F1.1 / 24.7	3.52 / 5.2 / F1.7 / 12	15.44 / 23'	4.13 / 2.5 / 4.36	15.99 / 12'		16.23 / 12'	2.88 / 4.72 / F1.90 / 12	16.73 / 12'	2.95 / 4.32 / F1.34	
8+50			4.1 / 5.2 / F1.1 / 24.7	3.5 / 5.2 / F1.7 / 12	5.42 / 23'	4.13 / 2.5 / 4.40	15.97 / 12'		16.19 / 12'	2.86 / 4.70 / F1.84 / 12	16.69 / 12	3.03 / 4.38 / F1.36	

"D" Line

19.51A

Sta.	Slope	Super	R.P.	Toe	EP	Shdr. Hinge	E.C.	℄	E.C.	Shdr. Hinge	Curb	Toe	Hinge
													For Rights side 19.05A
8+75				4.1 / 5.2 / F1.1 / 24.9	3.6 / 5.2 / F1.6 / 12	15.38 / 23'	15.93 / 12'	4.19 / 3.5 / 4.44	16.17 / 12'	3.93 / 4.70 / F1.77 / 12	16.62 / 12	3.99 / 4.26 / F1.37	SC on ℄ 20.12A
9+00				4.2 / 5.8 / F1.7 / 25.4	3.6 / 5.8 / F2.2 / 12	15.34 / 23'	15.89 / 12'	4.23 / 3.5 / 4.48	15.99 / 12'	3.06 / 4.85 / F1.59 / 12	16.49 / 12	3.33 / 4.85 / F1.39	
9+25				4.2 / 5.4 / F1.3 / 24.8 = 21.8 / 3.0 / 2.78	3.7 / 5.4 / F1.7 / 12	15.27 / 23'	15.82 / 12'	4.31 / 3.5 / 4.55 / 6.41	15.87 / 12'	3.18 / 4.63 / F1.44 / 12	16.37 / 12	3.32 / 4.57 / F1.33	
9+50									15.74 / 12.55'	3.31 / 4.70 / F1.39 / 12.55	16.24 / 12.55	3.47 / 4.62 / F1.15	
9+64.29 = ℄ on Rt									15.64 / 14'	3.41 / 4.81 / F1.40 / 14	16.14 / 14'	3.57 / 4.73 / F1.16	
9+74.31 = ℄ on Lt.					3.34 / 3.99 / F0.65	Curb / 16.11 / 14	15.61 / 14'						
			19.45A										BM 1.27 / 6.79 / 21.06A
10+00					3.49 / 4.16 / F0.47 on Curb / 6.43 on ℄	15.96 / 14	15.46 / 14'						
10+12.67						out			15.45 / 12'	3.49	15.96	5.62 / 6.76 / F1.84	
10+25					3.69 / 5.03 / F1.34	15.76 / 14.78	15.26 / 14.78'		15.35 / 12'	3.50	15.85	5.21 / 7.71 / F2.50	

"D" Line

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	Curb	Toe	R.P.
						Curb						B.M 14.84 8.09 22.93	x Top H in lot 10+75 A
10+49.07 =	1' R on lt.					15.61 17	15.11 17'						
10+50	BM	14.84 ~~4.95~~ 19.79	x on Top H in lot 10+75 A						15.23 12'		15.73 12	5.33 7.14 F1.81 12	
10+75 ✓									15.16 12'		15.66	5.40 ~~6.81~~ F1.41	7.27 7.45 F0.18
10+93			4.70 ✓ stake	15.09 9 E of ℄		18 ~~15.13~~ 3 E of ℄ 4.61 4.66 F0.05							
11+00									15.22 12'		15.72	5.34 ~~6.73~~ F1.39	7.21 7.35 F0.14
11+25									15.41 12'		15.91	5.15 ~~6.20~~ F1.05	7.02 7.51 F0.49
11+50									15.71		16.21	4.85 ~~5.89~~ F0.74	6.72 7.08 F0.36
11+75									16.15 12'		16.65	4.41 ~~5.14~~ F0.73	6.28 6.84 F0.56

Linda Vista Road

Lt = East
Rt = West

June 10-52
A.S. 1500
Garber
Rergl
Fritz

Co-6
Grade

Sta.	Slope Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
BM	4.48	22.78		18.30	Lt = East Nail 4+00 Linda Vista		June 10-52 A.S. 1500 Garber Rergl Fritz		Rt = West		Co-6 Grade	
2+00	Grader BM 13.56 4.68 19.24	SIX BP Mapa Linda Vista ✓	5.0 5.0 0.0 22.5	4.5 5.0 F0.5 10	17.74 21'	18.29 10'	18.39 0.85 0.92 F0.07	18.29 10'	17.74 21'	4.5 5.0 F0.5 10	5.0 5.0 0.0 22.5	✓
2+25	Soil Crete BM 13.56 4.34 17.90	✓	out		17.06 23'	17.61 12'	17.73 1.51 1.84 F0.10	17.61 12'	17.06 23'			SIX BP Mapa Linda BM 13.56 4.44 18.5 OK
2+50		✓	6.4 5.0 C0.8 25.8	5.9 5.6 C0.3 14	16.38 25'	16.93 14'	17.07 2.17 2.24 F0.07	16.93 14'	16.38 25'	5.9 5.4 F0.5 14	6.4 6.4 0.0 25	✓
2+75					15.77 27'	16.32 16'	16.48 2.76 2.91 F0.15	16.32 16'	15.77 27'			
3+00		✓	7.6 7.2 C0.4 29.4	7.0 7.2 F0.2 18	15.22 29'	2.53 2.55 15.77 18'	15.95 3.29 3.58 F0.29	15.77 18'	2.23 2.48 15.22 29'	7.0 7.6 F0.6 18	7.6 7.6 0.0 29	✓
3+25					14.73 31'	2.82 2.87 ok 15.28 20'	15.48 3.76 3.09 F0.33	15.28 20'	2.77 2.97 14.73 31'			
3+50		✓	8.5 8.5 0.0 33	7.9 8.5 F0.6 22	14.30 33'	4.05 3.30 ✓ 14.85 22'	15.07 4.17 4.45 F0.28	14.85 22'	2.85 3.05 14.30 33'	7.9 8.7 F1.8 22	8.5 9.7 F1.2 34.8	✓
3+75					13.94 35'	3.44 3.66 14.49 24'	14.73 4.56 4.75 F0.19	14.49 24'	2.55 2.75 13.94 35'			
+87.50 = ℄ LR												
4+00		✓	9.1 8.9 C0.2 37.2	8.6 8.9 F0.3 26	13.68 37'	3.57 3.97 14.23 26'	14.97 ok 4.77 4.93 F0.16	14.23 26'	2.77 2.97 13.68 37'	8.6 11.7 F3.1 26	9.1 11.7 F2.6 40.9	✓
TP	6.19	17.29	11.68	11.10								

Linda Vista Road

Lt = East. Rt = West.

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
			17.29										
4+25	Soil Crete on Lt 17.90 ⊼		out			13.49 37'	3.86 2.5 4.11 14.04 26'	14.78 14.28 4.96 5.05 F0.09	14.04 26'	3.96 2.5 4.21 13.49 37'			
4+50			✓	4.0 3.8 C0.2 37.2	3.4 3.8 F0.4 26	13.33 37'	4.02 2.5 4.27 13.88 26'	14.62 14.12 5.12 5.25 F0.13	13.88 26'	4.12 2.5 4.37 13.33 37'	3.4 4.7 F1.3 26	4.0 4.7 F0.7 38.1	✓
4+75						13.18 37'	4.17 2.5 4.42 13.73 26'	14.47 13.97 5.27 5.42 F0.15	13.73 26'	4.27 2.5 4.52 13.18 37'			18.00 ⊼
5+00			✓	4.3 4.3 0.0 37.0	3.7 4.3 F0.6 26	13.04 37'	4.31 2.5 4.56 13.59 26'	14.33 13.83 5.41 5.57 F0.16	13.59 26'	4.41 2.5 4.66 13.04 37'	3.7 5.6 F1.9 26	4.3 5.6 F1.3 39.0	✓
5+25 = ℄ 2' R						12.91 37'	4.44 2.5 4.69 13.46 26'	14.20 13.70 5.54 5.74 F0.20	13.46 26'	4.54 2.5 4.79 12.91 37'			
5+35.09 = CbBC on Rt				4.5 out	3.9	12.84 37'	out 13.39 26'	13.65 out	13.39 26'	4.61 2.5 4.86 12.84 37'	3.9 4.5 F0.6 26	4.5 4.5 0.0 37	✓
5+50	BM 13.56 4.25 17.81		✓ For Light	4.5 4.5 0.0 37	3.9 4.5 F0.6 26	12.82 37' 12.81	4.53 2.5 4.78 13.37 26'	13.63 5.61 5.90 F0.29	13.48 14'		out		
+55													
5+75			17.81 12.81 5.00 4.27 C0.23 3			12.79 37'	4.56 2.5 4.81 13.34 26'	13.60	13.46 14'	Napa St	out		
6+00			✓	4.5 4.5 0.0 37.0	3.9 4.5 F0.6 26	12.81 37'	4.54 2.5 4.79 13.36 26'	13.62	13.48 14'				
+17.44 = EC on Rt. Also 2' R ℄ R18.24						out		14.16 C	13.46 14	12.81 37'	3.8 4.8 F1.0 14	4.5 4.8 F0.3	out

Linda Vista Road — Lt: East — Rt: West

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
			17.29										
6+25	Soil Grade 0.27 17.90 A 4.27 13.63 4.88 18.51					12.89 37'	5.10 6.27 F1.17 4.46 .25 4.71 13.44 26'	14.28 13.69 14.19 cb	6.09 1.27 F1.18 13.45 26' 4.98 6.19 F1.21	12.90 37'	5.65 .25 5.90		
6+50			✓	4.3 4.1 C0.2 37.2	3.8 4.1 F0.3 26	12.99 37' 4.26 .25 4.51	5.00 6.19 F1.19 13.54 26' 4.85 6.87 F1.22	14.28 13.78 13.80	14.30 cb 5.56 .25 5.79 13.56 26' 4.83 6.87 F1.24	13.01 37'	3.7 4.6 F0.9 26	4.3 4.8 F0.3 37.5	out on level 3+7 Stone 1.484 .461 19.28
6+75						13.14 37' 4.21 .25 4.46	14.43 13.69 13.93 13.95	14.45 cb	13.71 26' 5.37 .25 5.62 13.16 37'				
7+00			✓	4.0 3.8 C0.2 37.2	3.4 3.8 F0.4 26	13.30 37' 4.05 .25 4.30	5.18 6.91 F1.26 13.85 26' 4.42 5.79 F1.37	14.43 14.13 14.16	14.46 cb 6.87 F1.29 13.92 26' 4.89 5.79 F1.90	13.37 37'	3.4 4.5 F1.1 26	3.9 4.5 F0.6 37.9	out
7+25						13.52 37' 4.38 .25 4.63	14.86 14.36 14.39	14.89 cb	14.15 26' 5.70 4.13 F1.87 4.95 .25 5.20				
7+53.55 Back 7+95.62 A" Ahead			✓	4.0 4.0 C0.0 37	3.4 4.0 F0.6 26	13.34 37' 4.51 .25 4.76	5.70 4.17 F1.53 13.89 26'	15.11 14.61 14.65	15.15 cb 14.41 26' 4.25 .25 4.94	13.86 37	2.9 3.7 F0.8 26	3.4 3.7 F0.3 37.5	✓
			A" Line										14.84 .461 19.45
TP		6.09	19.38	4.00	13.29								Soil Grade 0.05 A
8+25						13.42 28.52' 4.67 .25 4.92	13.97 17.52'		14.87 6'	15.37 cb	4.08 5.76 F1.68		14.84 .426 19.10 A
8+50				5.5 5.7 F0.2 37.7	5.0 5.7 F0.7 16.4	13.84 27.37' 4.12 .25 4.37	14.39 16.37'		15.07 6' 3.88 5.85 F1.97	15.57 cb	4.31 5.61 F1.30	Par.	
					Sub Grade								
8+75			out			13.87 25.54' 4.09 .25 4.34	14.42 14.54'		15.22 6'	15.72 cb	3.73 4.69 F0.96	F1.16	

"A" Line — Lt = F — Rt = N

Sta.	Slope	Super	R.P. (19.38)	Toe	EP	Shdr. Hinge	EP	℄	EP	Shdr. Hinge	EP	Toe	R.P.
9+00	Soil Ditch on Lt 18.51 3.67			5.3 5.8 F0.5 23.9	4.8 5.8 F1.0 12.06'	14.06 23.06'	3.00 4.75 4.15 14.61 12.06'		15.33 6'		4.05 5.50 F1.45 6	15.83 cb 6	3.62 4.93 F1.25 19.45
9+25	BM 14.84	× Top Hinge 10+75 A				14.23 20.76'	3.73 14.78 9.76'		15.40 6'			15.90 cb 6	3.55 4.73 F1.18
9+50	cb #3 14.84 5.16 20.00	out		5.1 5.9 F0.8 20.2	4.5 5.9 F1.4 8	14.31 19.02'	3.65 14.86 8.02'		15.42 6'		3.96 5.48 F1.50 6	3.53 4.94 F1.41 15.97 cb 6 F1.42	× 7810 Hinge 10+75 A 3.07 14.84 6.39 21.23
9+75		—				14.34 17.81'	3.62 14.89 6.81'		15.41 6.01'			3.54 4.95 F1.41 15.91 cb 6.01	
10+00		✓		5.1 5.7 F0.6 18.0	4.5 5.7 F1.2 6.14	14.32 17.14	3.64 14.87 6.14'		15.35 6.72'	cb in	4.03 5.29 F1.26 6.72	#2 4.15 on cb 15.85 cb 6.72	3.60 5.22 F1.62
10+25	Hy Hcb Set	✓	4.2 5.4 F1.2 23.8 Hbd	5.2 5.4 F0.2 17.3 Bk	4.6 5.4 F0.8 6'	14.21 17' Bk / 15.19 22' Ahd	3.75 14.76 6'	15.03 7.46 F1.86 4.97 5.88 F0.91	15.32 8.55'		4.06 5.02 F0.96 8.55	4.18 #2 F1.01 15.82 cb 8.55	3.63 5.08 F1.45
10+46.46	= R. on Rt.								15.07 11'			3.88 5.64 F1.76 15.57 Est = cb 11 on Rt	15.61 × 3.84 5.64 F1.80
10+50				3.9 5.4 F1.5 23.3	5.2 5.4 F0.2 14	15.46 22'	14.28 14.23 14'	#2 5.10 5.69 F0.59 14.90 6.53 2.17 F0.64	15.07		4.31 out		
10+75	= H inlet on Lt.					15.00 22'	14.17 14'	14.84 6.39 5.15 cb 50	15.05 6'				

"A" Line

19.38

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	Curb	ϕ	E.P.	Shdr. Hinge	Curb	Toe	R.P.
11+00				4.3. 5.2 F0.9 23.4.	5.2. 5.2 0.0 14.	15.06 22'	14.23 14'	14.90	5.10 5.88 F0.78 6.53 7.39 F0.86 3.8 cb	15.11 6'				21.43 ⊼
11+25 TP	6.54		20.81	5.11	14.27	15.24 22'	14.41 14'	5.08 4.92 5.08 5.36 F0.28	6.35 7.38 F1.03 10'	15.29 6'				22.93
11+50				5.3. 10.2 F4.9 29.4.	6.2. 10.2 F4.0 14.	15.49 22'	14.66 14'	15.33 4.67 4.76 cb	6.10 6.26 F0.16	15.54 6'				
11+75						15.98 22'	15.15 14'	15.82	5.61 6.06 F0.45	16.03 6'				Curb grade 21.06 ⊼
12+00				4.3. 11.5 F7.2 32.8.	5.1. 11.5 F6.4 14.	16.53 22'	15.70 14'	16.37	5.06 5.70 F0.64	16.70 18'		17.20 18	3.81 4.82 F0.96	5.73 6.35 F0.62
12+25						17.21 22'	16.38 14'	17.05	4.38 4.80 F0.42	17.38 18'		17.88 18	3.18 4.50 F1.32	5.05 5.72 F0.67
12+50				2.8. 11.4 F8.6 34.9.	3.6. 11.4 F7.8 14.	18.02 22'	17.19 14'	17.86	3.57 3.94 F0.38	18.19 18'		18.69 18	2.37 3.70 F1.33	4.24 4.44 F0.20
12+75						18.85 22'	18.02 14'	18.69	2.74 3.07 F0.33	19.02 18'		19.52 18	1.58 2.78 F1.24	3.41 3.81 F0.40
13+00				1.7. 6.5 F5.3 30'.	2.0. 6.5 F4.5 14'	19.63 22'	18.80 14'	19.47	1.96 2.29 F0.33	19.80 18'		20.30 18	0.76 2.10 F1.34	2.63 3.07 F0.44

"A" Line

20.81

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	Carb ℄	E.P.	Shdr. Hinge	Carb	Toe	R.P.
13+25						20.35 22'	19.52 14'	20.19 1.24 1.47 F0.23	20.52 18'		21.02	0.64 1.80 F1.16	1.95 2.38 F0.87 21.06 T 1.20 19.86 5.96
13+50				-0.3. 5.2 F5.6 29.4.	+0.6. 5.3 F4.7 13'	21.07 21'	20.24 13'	20.91 0.52 0.79 F0.27	21.16 18'		21.66	4.16 5.13 F0.97	1.33 2.55.82 F0.76 3.47 3.11 22.35.58 PP 4.1 Fdbg Br Idg
13+76.03	E.C.					21.90 18'	21.07 10'	21.74 4.14 4.57 F0.43	21.79 18'		22.29	3.58 4.68 F1.10	0.64 1.72 F1.08
14+00				-2.0. 4.7 F6.7 25.1.	-1.1. 4.5 F5.8. 7	22.77 15'	21.94 7'	22.61 3.27 4.05 F0.78 2.55 23.27 = CB 2.61 Bridge	22.30 18'		22.80 F.P.		21.43 T 0.77 2.06.4 5.29 2.58.8 3.35 BP 22.37 N48 Bridge 22.33
			"B" Line										
			1951 B.T. Ford Page 38										
7+78 B.C.			✓		3.90 5.80 F1.90	15.38 12 cb	14.88 12'	4.46 4.71	14.64 12'	14.09 23'	4.9. 5.9 F1.0 12'	5.4. 5.9 F0.5 23.8.	I/island 1928
8+00			✓		3.70 5.61 F1.81	15.58 12 cb	15.08 12'	4.22 4.47	14.88 12'	14.33 23'	4.6. 5.8 F1.2. 12	5.2. 5.8 F0.6 23.9.	Soil Grade 0.75 19.10 T
8+25			✓	Change 3.32 4.17 F0.85	3.58 5.58 F1.88	15.78 12	15.28 12'	4.45 4.25	15.10 12'	14.65 21'	4.4. 5.7 F1.3. 12	4.9. 5.7 F0.8 22.2.	
8+50			✓		3.34 4.89 F1.55	15.94 12 cb	15.44 12'	3.80 4.05 ✓	15.30 12'	14.85 21'	4.2. 5.8 F1.6 12.	4.7. 5.8 F1.1 22.7.	
8+73.73 P.C.C.			✓		3.23 4.86 F1.63	16.05 cb 12	15.55 12'	3.66 3.91 ✓	15.44 12'	14.99 21'	4.1. 5.9 F1.8 12.	4.5. 5.9 F1.4 23.1.	

"B" Line

Sta.	Slope	Super	R.P.	Toe	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge		Toe	R.P.
			19.51 ⊼									
9+00	✓				3.15 / 4.77 / F1.56 16.13 / 12 :cb	15.63 / 12'	3.54 / 2.5 / 3.79 ✓	15.56 / 12'	15.11 / 21'	4.0 / 6.0 / F2.0 / 12'	4.4 / 6.0 / F1.6 / 2.34	Soil Cr. on R.P. 19.10 ⊼
+13												
9+25					3.13 / 4.64 / F1.51 16.15 / 12 :cb	15.65 / 12'	3.51 / 2.5 / 3.76 ✓	15.59 / 12'	15.14 / 21'			
9+50.11	: △ Curb				3.55 / 4.20 / F0.65 16.11 / 12 :cb	15.61 / 12'						
9+64.80								15.64 ✓ / 14'		16.14 :cb / 14		Island 19.71 ⊼
9+75								15.57 / 12.87'		16.07	3.64 / 4.05 / F0.41	
					Curb							
10+00.09				21.06 ⊼	15.96	15.46 / 14'		15.45 / 12'		15.95	3.76 / 5.09 / F1.33	
10+25					15.84 5.22 / 6.95 / F1.73 ✓	15.34 / 12.06'		15.33 / 12'		15.83	3.88 / 4.87 / F0.99	
10+50					15.72 5.34 / 6.75 / F1.41 ✓	15.22 / 12'		15.21 / 12'		15.71	4.00 / 4.99 / F0.99	
10+75					15.68 5.38 / 6.64 / F1.26 ✓	15.18 / 12'		15.12 / 12'		15.62	4.09 / 5.12 / F1.03	
10+82.08								15.09		15.59	4.12 / 5.34 / F1.22	

"B" Line

Rt = June 12-52 H. Sisson Garber Rorer Fritz

47

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
11+00						Curb 5.24 / 15.82 / 6.21 / 12 / F0.99	15.32 / 12						
11+00 BM			Hopo St		Rt = North						Rt = South		Curb Gr
N.E. Return	3.57	R 102.65	Mid-Point 17.68	3.8 / 6.2 / F2.4 / 3.6	14.11 / 3.2 / 6.2 / F3.0	Curb Grade 5+14 1/4 Feed Stam 13.89	14.44						Sept. 3.52 Curb Station. BM 14.11 Feed Stam 4.53 / 18.64 A
0+82.52 = E.C. on Lt			4.13 / 4.99 / F0.87 / 14.52	3.1 / 6.1 / F3.0 / 29.5	3.5 / 6.1 / F2.6 / 12	14.58 / 23'	14.23 / 12'	3.41 / 2.5 / 3.66 / 14.51					13.57 / 4.08 / 17.64 A
S.E. Return		R 16.59	Mid-Point			14.54 / 14.24'	14.17 / 12'	14.44	14.29 / 12	14.43		3.3 / 4.8 / F1.5 / 2.3	
1+23.96 = E.C. on Rt			4.18 / 5.07 / F0.89 / 14.46	3.1 / 6.1 / F3.3 / 31.0	3.6 / 6.4 / F2.8 / 12	14.54 / 26	14.09 / 12	3.55 / 2.5 / 3.80 / 14.32	14.29 / 12	3.35 / 2.5 / 3.60 / 14.88 / 26'	3.4 / 5.4 / F2.0 / 12	2.8 / 5.4 / F2.6 / 29.9	3.88 / 4.87 / 14.76 / F0.99
1+25						14.52 / 26'	14.07 / 12'	3.57 / 2.5 / 3.82 / 14.34	14.29 / 12'	3.35 / 2.5 / 3.60 /			
1+50			4.35 / 5.10 / F0.75 / 14.39	3.3 / 6.4 / F3.1 / 30.7	3.7 / 6.4 / F2.7 / 12	14.41 / 26'	13.98 / 12'	3.66 / 2.5 / 3.91 / 14.24	14.18 / 12'	3.46 / 2.5 / 3.71 / 14.75 / 26'	3.5 / 5.5 / F2.0 / 12	2.9 / 5.5 / F2.6 / 29.9	4.01 / 4.86 / 14.63 / F0.85
+75						13	13.89	3.25 / 2.5 / 4.00	14.07	3.57 / 2.5 / 3.82			
2+00			4.52 / 5.29 / F0.77 / 14.12	3.4 / 6.0 / F2.6 / 29.9	3.9 / 6.0 / F2.1 / 12	14.24 / 26'	13.80 / 12'	3.84 / 2.5 / 4.09 / 14.04	13.96 / 12'	3.68 / 2.5 / 3.93 / 14.52 / 26'	3.7 / 5.7 / F2.0 / 12	3.4 / 5.7 / F2.5 / 29.8	14.10 / 4.34 / 5.12 / F0.88
+25							13.71	3.92 / 2.5 / 4.18	13.85	3.77 / 2.5 / 4.02			

Napa Street — Lt.: North — Rt.: South — Ch. Shaber 18.64T 48.

17.68

Sta.	Slope	Super	R.P. Curb Grade	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P. Curb Grade
1+50			4.89 / 5.39 / F0.63 13.95.	3.6. / 6.0 / F2.4 / 29.6.	4.1. / 6.0 / F1.9 / 12.	14.07 / 26'	13.61 / 12'	4.92 / 4.37 / 13.84	13.74 / 12'	3.90 / 4.15 / 14.29 / 26'	3.9. / 6.0 / F2.1. / 12.	3.4. / 6.0 / F2.6 / 29.9.	4.45 / 5.35 / 14.17 F0.88
1+75			17.71	6.00	11.65		13.53	4.11 / 4.36.	13.63	4.01 / 4.36.			17.64T
TP	5.44		17.12	6.00	11.88								
3+00			4.86 / 5.63 / F0.77 13.78.	3.2. / 5.6 / F2.4 / 29.6	3.7. / 5.6 / F1.9 / 12.	13.90 / 26'	13.44 / 12'	4.20 / 4.44 / 13.64	13.52 / 12'	4.13 / 4.37 / 14.06 / 26'	3.6. / 5.3 / F1.7. / 12.	3.1. / 5.3 / F2.2 / 29.3.	4.70 / 5.62 / 13.94 F0.72
+25							13.35	4.19 / 4.54.	13.41	4.23 / 4.48.			
3+50			5.03 / 5.62 / F0.59 13.61.	3.1. / 2.6 / F4.2 / 32.3	3.9. / 7.6 / F3.7 / 12	13.73 / 26'	13.25 / 12'	4.32 / 4.64. / 13.44	13.31 / 12'	4.31 / 4.56 / 4.33. / 13.83 / 26'	3.8. / 5.2 / F1.4. / 12	3.3. / 5.2 / F1.9 / 28.9.	4.23 / 5.63 / 13.71 F0.70
+75 For Check				3.86	13.26	P.K. Hard P.I. Linda Vista + Napa 18.24	13.16	4.48 / 4.73	13.20	4.41 / 4.69.			
4+00			5.20 / 5.28 / F0.48 13.44.	3.6. / 8.7 / F5.1 / 33.7	4.1. / 8.7 / F4.6 / 12	13.56 / 26'	13.07 / 12'	4.57 / 4.82. / 13.24	13.09 / 12'	4.55 / 4.80 / 13.60 / 26'	4.0. / 5.1 / F1.1. / 12	3.5. / 5.1 / F1.6 / 28.4.	5.16 / 5.71 / 13.48 F0.55
4+25						13.47 / 26'	13.01 / 12'	4.63 / 4.88 / 13.14	13.01 / 12'	4.63 / 4.88 / 13.51 / 26'			
4+41.88	= BC on Rt.		5.35 / 5.28 / 0.07 13.29	= Top In let.		44		13.00	13.00	4.44 / 4.89 / 13.45 / 26'	4.6. / 4.8 / F0.2 / 12	3.7. / 4.8 / F1.1. / 27.7.	5.81 / 5.69 / 13.33 F0.38
4+59.46	BC. on Lt			4.6 / 4.6 / 0.0 / 23	4.1 / 4.6 / F0.5 / 12	12.56 / 12.45 / 23'	13.00 / 12' / 13.21	4.58 / 4.89 / 13.15	O.K.				
NW Return 5'			Wind Point 18.34	4.58 / 4.0 / 18.34 From R	4.1	13.66							

Sherman St.

Lt = South

Rt = North

June 9-52
Hudson
Gerber
Rose
Fritz

49

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	Toe	R.P.
BM	2.28		16.39		14.11	Chiseled X 100' R.P. & Sherman St. Monument Pro						
Willy Line Morena 0+50		BM	14.11 Above 3.52 17.64 A		2.2 2.0 F0.2 2.2 = 1.58 in From Radius	4.76 2.5 1.96 4.4	14.21 21.30'	14.53	14.10 21.30'	4.82 2.5 5.07	2.3 5.5 F3.2 1.8 = 1.22 in From 20' R.	Soil Cr 18.92 A
11												
0+61 : B.C. Rt + Lt.			x	2.6 7.0 F4.4 27.6	5.13 2.5 5.38	13.79 21'		14.23	4.76 2.5 5.61	13.79 21'	5.13 2.6 5.38 / 2.6 5.7 F0.1 25.7	5.9 6.8 F2.1 24.6
17.40												
0+78.40			out		5.86 2.5 6.11	13.06 21'		13.60	5.39 out	13.06 21'	5.86 2.5 6.11	
12.77												
0+91.17 B.C. Lt.				3.8 8.8 F5.0 28.5	6.37 2.5 6.62	12.55 21'		13.09	5.90 2.5 6.15	12.55 21'	6.37 2.5 6.62 / 3.8 8.5 F4.7 25.1	5.1 7.4 F2.0 24.0
23.07												
1+14.24		5°	17.23'	4.7 7.8 F3.1 25.7	7.21 2.5 7.46 8.24 F0.78 In OK NC	11.71 21'		12.25	6.74 2.5 6.99	11.71 21'	7.21 2.5 7.46 / 4.7 8.7 F4.0 27.0	E.C. Food Stop BM 14.11 4.88 8.99
23.08												
1+37.32		10°	24.10'	5.4 7.5 F2.1 24.2	7.93 2.5 8.18	10.99 21'		11.53	7.46 2.5 7.71	10.99 21'	7.93 2.5 8.18 / 5.4 8.4 F3.0 25.5	
23.08												
1+60.40 E.C.		15°	5.2'	5.4 6.9 F1.5 25.3	8.52 2.5 8.77	10.40 10.95 23'		10.94	8.04 2.5 8.29	10.40 10.95 23'	8.52 2.5 8.77 / 5.4 8.5 F3.1 27.7	
18												
1+78.40			out			10.48 23'		10.27		10.48 23'		
20												
1+98.40				6.4 6.8 F0.4 23.6		10.02 23'		9.81		10.02 23'	6.4 8.5 F2.1 26.2	
20												
TP	8.81		13.52	6.88	9.51							

Sherman St.

12.32

Sta.	Slope	Super.	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge		Toe	R.P.
2+18.40		out				9.62 / 23'		9.41		9.62 / 23'			
20													
2+38.40				4.0 / 4.0 / 0.0 / 23		9.30 / 23'		9.09		9.30 / 23'		4.0 / 5.6 / F 1.6 / 25.4	
52.41													
2+90.81				4.8 / 4.8 / C 0.0 / 28.0		8.54 / 23'		8.33		8.54 / 23'		4.8 / 4.8 / 0.0 / 28	

Morena Blvd.

Sta.	Slope	Super.	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge		Toe	R.P.
24+48 = 51 ± Bridge						10" Curb 8.34 / 5.25 / F 1.91		29.17 = Existing					
24+75			1.9 / 1.9 / 0.0 / 84.0	-9.4 / 1.9 / F 11.3 / 54.0	-8.6 / 1.9 / F 10.5 / 28	29.47 / 37'	Cl 29.45 / 28.67 / 28'	29.37 = ℄ / 28.87	3.25 / 4.88 / F 1.63 / 28.63 / 26'				
25+00			3.9 / 3.9 / 0.0 / 89.1	-9.5 / 3.9 / F 13.4 / 59.1	-8.7 / 3.9 / F 12.6 / 30	29.57 / 39'	Cl 29.55 / 3.24 / 4.58 / F 1.34 / 28.72 / 30'	29.49 = ℄ / 28.99	3.13 / 4.53 / F 1.40 / 28.75 / 26'				
25+25			7.6 / 7.9 / 0.3 / 77.0	-9.7 / 7.6 / F 17.3 / 67.0	-8.8 / 7.6 / F 16.4 / 32.0	29.69 / 41'	Cl 29.63 / 3.16 / 4.70 / F 1.54 / 28.84 / 32'	29.62 = ℄ / 29.12	3.00 / 4.47 / F 1.47 / 28.88 / 26'				
25+50			8.4 / 8.4 / 0.0 / 80.3	-9.8 / 8.4 / F 18.2 / 70.3	-8.9 / 8.4 / F 17.3 / 34	29.79 / 43'	Cl 29.73 / 3.02 / 4.92 / F 1.90 / 28.94 / 34'	29.73 = ℄ / 29.23	3.89 / 5.44 / F 1.55 / 28.99 / 26'				

B.P. 137.54 / 5.08 / 32.62

B.P. F.C.S. Morena 35' South of Pepper & Pepell

10.54 / 6.27 / 15.81 / 3.53 / 12.28 / 2.76 / 20.04 A

25+00 Morena & Camino

Morena Blvd.

20.04 R

Sta.	Slope	Super	R.P.	Toe	E.P.	Sldr. Hinge	E.P.	℄	E.P.	Sldr. Hinge	Toe	R.P.
25+75			8.6 8.4 +0.2 82.6	-9.8 8.6 F18.4 72.6	-9.0 8.6 F17.6 36	CB 29.85 29.87 45'	2.94 4.29 F1.35 29.02 36'	29.83=CB 29.32	2.80 4.26 F1.46 29.08 26'	28.33 41'		
26+00						29.83 47'	28.98 38'	29.86=CB 29.30 29.6=CB	2.90 4.14 F1.24 29.06 26'	28.16 44'		
+10.3 = Rg. Over-Pass												
27+00 +02.95 = Sta. B						28.74 45' 07.145 R Hinge Sta. 27+00	27.93 4.38 3.39 F1.00 27.67=CB	28.68 plan 28.63 = CB Sta. 27+00			Co. Grade 28.35 1.81 30.16 R	07.145 R BM 28.47 1.40 29.87
BM	4.95		11.86		6.91							
27+31.73 BC.	×	27.25 36	4.2 4.3 0.1 86.1	-18.0 4.2 F13.8 76.1	-15.1 4.2 F10.9 38.8	2.06 27.81 45.80'	27.00 38.80'	28.16 2.21	3.06 3.96 F1.96 28.26 38'	28.44 49'		
Start 27+50		26.70	out			2.65 3.85 F1.20 27.22 46.50'	3.08 4.54 F1.46 26.41 39.50'	27.68=CB 27.72	3.44 4.35 F0.91 27.72 26'	1.81 2.52 2.09		29.56 2.01 27.55
27+75	×	25.95	17.84	-14.5 4.4 F18.9 75.4	-13.7 4.4 F18.1 40'	26.40 46.97'	3.90 4.82 F0.92 25.59 39.97'	26.26=CB 27.07 26.57	3.99 5.53 F1.54 27.19 26'	2.37 2.75 2.62		B.10 F.C.b. Morena 33+18 over-pass 27.54
28+00		25.17	4.6 4.7 -0.1 84.5	-13.7 4.6 F18.3 74.5	-13.9 4.6 F17.5 40	4.29 5.29 F1.0 25.58 47'	4.77 6.10 F0.33 24.77 40'	25.44 26.35 25.85 4.02	3.86 5.24 F1.45 26.53 26'	3.33 3.28		
28+25		24.33	out			24.73 47'	5.54 5.96 F0.37 23.92 40'	24.59 25.53 25.03	4.63 5.37 F1.21 25.73 26'	3.83 4.02		
28+50		23.45 26	4.5 4.4 +0.1 76.8	-12.0 4.5 F17.5 71.8	-11.3 4.5 F15.7 40'	6.0 7.4 F1.4 23.86 47'	6.44 7.04 F0.60 23.05 40'	23.72 24.63=CB 24.13 5.72	5.53 6.52 F0.99 24.93 30.26'	4.63 4.85 4.88 25.12 37'		

Morena Blvd.

11.86

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.	P.	℄	E.P.	Shdr. Hinge	EP	Toe	Hinge
28+75		22.53 / 26	out			22.98 / 47'	22.84° / 22. / 40'	7.32 / 8.15 / F0.83° / 17	7.45 / 6.51 / F0.94° Cb / 23.65° Cb / 23.15	5.73 / 5.98 / 23.83 / 28.15'	24.11 / 37'		Cb Grade 30.16 T / 12.86 / 17.30 / 0.63 / 17.93 T	29.87
28+97.42 E.C.		21.68 / 26	4.6 / 4.6 / 0.0 / 79.5	-10.4 / 4.6 / F 15.0 / 69.5 = Spike	-9.1 / 4.6 / F 13.7 / 40	22.21 / 47'	7.66 / 9.16 / F1.5 / 49.3 / 22.07° / 21. / 40'	8.09 / 8.99 / F0.90 / 40	7.46 / 8.32 / F0.86° / 22.70° / 22.20 / 7.67	6.84 / 7.59 / 22.77 / 28.42'	6.91 / 22.96 / 37'	-10.90	-11.1 / in Skill	
29+23		20.62 / 26	out			21.47 / 47'	21.02 / 20 / 40	9.14 / 9.95 / F0.81 / 35	8.65 / 9.26 / F0.61° / 21.51 / 21.06	8.16 / 8.41 / 21.40 / 32.25	21.87 / 37'	-10.0	-9.5 / 4.9 / F14.4 / 58.6	= Pl. Slope 1+95 Skill
29+41		19.83 / 26	4.7 / 4.5 / +0.2 / 76.8 = Spike	-8.5 / 4.7 / F 13.2 / 66.8	-7.7 / 4.7 / F 12.4 / 40	20.36 / 47'	9.5 / 10.9 / F1.4 / 49.1 / 20.22° / 19. / 40'	9.94 / 10.43 / F0.49° / 35	9.52 / 10.14 / F0.62° / 20.64 / 20.14 / 9.73	9.07 / 9.32 / 20.49 / 35.33'	20.52 / 38.5'	9.35 / -8.6 / 5.0 / F13.6 / 35.3	-8.7 / 5.0 / F13.7 / 59.1	5.0 / 4.9 / +0.1 / 69.1
29+50.60		out						out	19.66	19.96 / 38'		out		W. Edge 17.45 T / 0.65 / 16.80 30+0 / 12.76 / 29.56
29+66		18.63 / 26				11.37 / 11.70 / F0.33	18.79 / 18. / 26'	63	19.39° Cb / 18.89	10.77 / 11.60 / F0.83 / 19.02 / 38'	10.54 / 25 / 10.79		out	
TP	4.04		11.01		4.89	6.97			19.01 / 18.51	11.15 / 12.10 / F0.95°	18.20 / 49'	out		
29+73.60		out												
29+80.97 = 21+50.54 S.E. Inner Loop Page 69		17.89 / 26	4.6 / 4.6 / 0.0 / 75.5	-6.1 / 4.6 / F10.7 / 65.5	-6.0 / 4.6 / F 10.6 / 42.4	17.98 / 49.4	17. / 26'	89	18.65° / 18.15	11.51 / 12.86 / F1.35° / 18.15 / 38'	17.71 / 49'	-6.3 / 4.9 / F11.2 / 38	-5.9 / 4.9 / F10.8 / 65.2	4.9 / 5.3 / -0.4 / 75.2
30+00	Finish 20.10 T							0.24 / 0.98 / F0.74 / Cb	17.69° / 17.19 / 2.91	0.41 / 0.25 / 0.66 / 17.04 / 38'	16.54 / 49'	3.56 / -6.0 / 4.7 / F10.7 / 38	-5.5 / 4.7 / F10.2 / 64.3	4.7 / 4.5 / +0.2 / 74.3

Morena Blvd.

11.01

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
	20.10 T 8.61 11.49 2.44 13.93 T					1.58 2.58 F1.00	16.33 15.83 28'	16.63 cb 16.13 1.30 cb 2.83 F1.53 cb				17.93 T	H.E. to 17.45 6.65 TP 16.80
30+21.17													
30+25						out	15.66 28'	16.44 cb out 15.94 1.49 cb	15.65 38'	1.80 2.05 15.10 49'		out	
30+50				-4.1 4.1 F8.2 40.3		Cu. 3.03 3.67 F0.65	14.91 14.41 28'	15.19 14.69 5.41	3.71 cb 3.28 F0.83 14.34 38'	13.80 49'	6.30 -3.3 4.4 F7.7 38	-2.8 4.4 -7.2 59.8	4.4 +0.3 69.8
30+75						4.22 5.15 F0.88	13.66 13.16 28'	13.94 13.44 3.22 4.93 F0.94 cb	13.08 38'	12.53 49'		out	
+90													T 11.38
31+00				-1.8 4.8 F6.8 36.7	-1.2 3.2 F4.4 34.6	curb 5.52 6.37 12.58 28 F0.85	12.41 8.19 11.91 28'	12.69 5.41 5.45 F0.05 12.19 7.91	11.83 38'	11.28 49'	2.65 -6.5 6.0 F5.5 38	+0.1 5.0 F4.9 58.4	
31+25						6.26 Page 11 Chuck El. Taylor Sh. Whitman	6.77 7.38 11.16 F0.81 10.66 28'	11.44 cb 10.94 6.49 cb 7.49 F7.60	10.58 38'	10.03 49'			
BM	5.12		11.38	4.71	6.26 6.30 +1.3 4.6 F2.7 32.1								7.29 BP 5.76 13.05 T
31+50						10.08 cb	9.91 4.52 9.41 28.03'	8.02 8.72 10.19 F0.97 9.69 4.21	8.76 8.10 F0.66 9.47 26'	3.58 2.5 3.8			
31+60						8.52 9.50 F0.98	9.41 8.91 28.29'	9.69 9.19 8.25 F0.91 cb	9.03 26'	out			
31+78.47						5.86 9.31 15.17 F1.19 cb	8.57 8.07 29.57	8.87 8.37 5.66 9.06 cb 10.21 F1.15	8.33 26'	4.72 2.5 4.9			

Morena Blvd.

11+38

Sta.	Slope	Super	R.P.	Toe	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
31+90.91 = CC BC on			9.83 11.39 F1.56 8.10	3.1 4.4 F1.3 33.3	8.27 CC	7.60 31.27'					17.93 T 10.14 BM 7.79	S.F. 8.9 Chgd to at & Taylor
32+00			9.96 11.89 F1.86 7.97 7.86	Fa 9+73 Fa 1or			8.14 CC 7.64	7.68 26'	5.37 .25 5.62			13.05 T
32+10.27 = CC BC							7.93 CC 7.43 10.00 11.74 F1.74 CC					
		"E" Line										7.29 BP 10.16 17.45 T
30+90 = BC								12.33 24'	5.12 .25 5.37			
31+0					12.89 12	12.19 12		23.28				
32+40												
31+25					11.44 12 CC	10.91 12	8.69 .25 6.94	10.76 21.47				
			11.38									
31+50					18.19 12 CC	7.76 .25 8.01 11.19 12	7.90 .25 8.15	9.55 18.47' 17.86	9.11 29.7'	4.82 1.8 4.9 F3.1 18.5	2.3 4.9 F2.6 23.6	
31+75	BM 6.37	13.93 8:1 Ford 7.66 Page 53 on Whitman + Taylor Page 11		6.25	8.83 12 CC	9.12 .25 9.37 8.33 12	9.02 .25 9.27	8.43 16.06 17.85	8.11 24'			
32+00					8.18 12 CC	9.77 .25 10.02 7.68 12	9.98 .25 10.23	7.47 14.57' 16.04	7.44 17.57'	3.8 4.8 F0.9 14.6	3.9 4.8 F0.9 19.0	
32+27.73 = PCC					7.68 12 CC	3.03 7.18 12'	6.80	6.65 14'	7.41 17'	5.52 4.7 5.6 F0.9 14	4.8 5.8 F1.5 19.4	

"E" Line

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
			11.38										
32+50.73 = Rt on Lt						7.25 12 Cb	3.46 4.25 6.75 F0.99 12 Cut 87 HC		6.20 14'	6.99 20'	5.2 5.2 F0.1 14	4.1 5.2 F0.9 21.4	
			BM 6.25 3.96 10.21 X	4 EEEL Top of Stringer									17.45
32+75						3.66 3.89 F0.23 HC	6.55 12'		5.85 14'	6.64 20'			
33+00						3.82 3.89 F0.07 HC	6.39 12'	6.18	5.49 14'	6.28 20'			
33+17.95 EC.						3.88 3.91 F0.03 ℄ Mon ℄ Camino ℄ Moreno	6.33 12	6.10	5.63 14'	6.42 20'			B.P. Ech Moreno 35' So. Overpass BM 27.54 5.00 22.54
BM	10.81 N. W.		21.35 Outer	Connection		10.54							
BM	0.24		23.56			23.32 07 M H Rim Sct. Bridge Overpass 9283-49							
0+00	0.24					2'			28.42 8'	28.07 15'	3.81 Cut		
0+25			For Light on overpass BM 28.25 4.20 3.55						4.05 4.30 4.35 28.49 8'	27.94 19'	3.94 -7.1 F1.23 8		
0+50									4.10 4.35 28.44 8'	27.89 19'	3.79 -4.3 F1.1 8	-4.3 F0.7 32.1	-6.5 4.2 F10.7 35' old Stake
0+75		0.34				3.81 4.25 4.61	3.15 28.73 6'	3.81 4.25 4.06	4.32 4.35 4.57 28.22 8'	27.67 19'	4.31		
+85										27.49	For Light 50.6		
1+00		0.75				4.00 4.35 4.25	3.34 28.54 6'		4.78 4.35 5.03 27.75 8'	27.20 19'	-4.3 F1.03 8	-6.4 3.2 F7.6 8 -2.6 4.1 F7.7 32.4	-5.9 4.3 F9.1 32.9

N. W. Outer Connection — Lt. S. — Rt = N

23.56

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
			21.35 ↑ #2										
1+25		.025				28.55 / 11.27'	28.32 / 8.27'	27.10 / 8'	26.28 / 19'				
			For Light 32.55 ↑										
1+50			Finish Grade 31.88 ↑ 11.20 / 20.68 / 1.92 / 22.65 ↑			27.91 / 11'	27.50 / 6'	26.35 / 8'	25.45 / 19'				
1+75		Sub Grade 32.54 ↑ 11.06	1.08 Back Edge P.C.			26.99 / 11'	26.60 / 6'	25.50 / 8'	24.64 / 19'				
2+00.12		21.48 / 22.06 ↑				25.88 / 11'	25.54 / 6'	24.59 / 8'	23.84 / 19'				
+10	For Light												
2+23.47	E.C.					24.72 / 11'	24.45 / 6'	23.74 / 7.12'	23.14 / 18.12'				
2+53.40						23.09 / 11'	22.96 / 6'	22.64 / 6'	22.09 / 17'				
TP		6.84	18.62		11.78								
2+75						21.93 / 11'	21.87 / 6'	21.72 / 6'	21.17 / 17'				
3+00						20.55 / 11'	20.65 / 6'	20.53 / 6'	19.98 / 17'				
3+25						19.26 / 11'	19.51 / 6'	19.39 / 6'	18.84 / 17'				

N.W. Outer Connection

Rt=N

18.62

Sta.	Slope Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
	Sub. Grade 22.76 ⊼	21.35 ⊼ #2										
3+50		-2.0 3.7 F5.7 19.6	-0.7 3.7 F6.0 20.0	0.0 3.7 F5.7 6	-2.2 3.7 F5.9 6 18.32 11' 4.33	4.19 25 4.44 18.57 6'	4.36 25 4.56 18.45 6'	17.90 17' 4.75	+0.2 7.5 F7.3 6 -2.2 7.4 F9.6 6	+0.7 7.9 F8.8 27.2	-1.6 7.2 F8.8 30.2
										2.9 5.9 F3.0 6	3.5 5.9 F2.4 20.6	
5 +75	#3 B.M. 10.54 Mon under Overpass 7.53 18.07 ⊼					4.96 25 5.21 17.80	5.08 25 5.33 17.68					
4+00	Finish Grade 22.65 ⊼ 1.84 20.81 12.66 33.47 ⊼		-0.7 +1.6 4.8 F3.2 15.8	-0.9 +1.4 4.8 F3.4 6	17.00 11' 5.65	5.51 25 5.76 17.25 6'	5.63 25 5.88 17.13 6'	16.58 17 6.07	+1.5 10.7 F9.2 6 -0.8 8.3 F9.1 6	+2.0 10.7 F8.7 30.1	-0.2 8.3 F8.5 29.8 16.34 ⊼	
+25						5.83 25 6.08 16.93	5.95 25 6.20 16.81	.008				
4+50	23.69 ⊼ 7.64 16.05 on Grade 16.08		+2.0 2.4 F0.4 11.6	1.8 2.4 F0.6 6	16.60 11' 6.05	5.91 25 6.16 16.85 6'	6.03 25 6.28 16.73 6'	16.18 17' 6.47	1.3 9.1 F7.8 6 1.9 7.8 F5.9 6	2.4 7.8 F5.4 25.1	1.9 9.1 F7.2 27.8	
+75						5.74 25 5.99 17.02 6	5.86 25 6.11 16.90 6					
+83.81				4.91 4.85	5.84 6.54 F0.70 Curb 17.85	17.18						
5+00				1.1 out	5.53 5.95 F0.42 F0.42 Curb 18.16	5.17 11 17.49 6'	5.39 25 5.64 17.37 6'	16.87 16' 5.78	0.7 10.5 F9.8 6 1.3 1.8 F0.5 6	1.8 1.8 0.0 16.1	1.2 10.5 F9.3 30.0	
+28.81	Fly Cb on Rt. Also Mly Cb on Lt.				Curb 18.95 18.83 2x4	18.28	18.15 8	18.82 cb 4.87 4.61 CO 26				
	11.89	28.71	1.80	16.82								
5+50					3.61	19.04 6'	4.21 4.07 CO 19 18.81 8'	19.48 cb 3.05 19.60 14'	-0.7 11.5 F12.2 9.9 10.6 F0.7 8'	9.1 10.6 F1.5 16.3	-1.5 11.5 F13.0 33.5	

N. W. Outer Connection

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
			28.71										
5+75			Finish Grader 33.47						19.92	20.59:cb 3.10 3.10 0.0			
		#3 18.07			BM 28.74 6.96 35.70 12.74 22.96 0.73 23.69	on ℄ H.S. 72+77.51 Camino							
6+00								1.84 1.74 C0.10	21.18 8'	21.85:cb 21.97 14'	-3.1 10.0 F13.1 8 / 7.5 11.4 F3.9 8	6.7 11.4 F4.7 21.1	-3.9 10.0 F13.9 34.9
+25								12.53 12.74 F0.21	22.50	23.17:cb			
6+50								11.12 11.36 F0.24	23.91 8'	24.58:cb 23.70 14'	9.77 -5.8 9.4 F15.2 8 / 4.8 12.8 F8.0 8	5.0 12.8 F7.8 25.7	-5.6 9.4 F15.0 36.5
6+72.17 E.C.								9.88 9.88 8.0	25.03 8'	25.82:cb 25.82 14'	9.4 -7.1 10.4 F17.5 7.53 / 3.8 11.4 F10.8 8	2.8 14.4 F11.6 31.4	-7.9 10.4 F18.3 41.5

Camino Del Rio

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
71+77.51	1°	25.94	37.56	12.77 2.1 2.9 F0.8 34.2 0	15.94 2.9 3.10	35.50 33'	34.71 27.1 26.5	35.38:cb 35.01 Exist					
72+02.51					-0.52	33.99 34.62'	33.20 28.62' 28.56	33.87:cb 33.52	2.18 2.87 F0.69				

Camino Del Rio

18.34

Sta.	Slope	Super	R.P.	Toe	EP	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge		Toe	R.P.
72+27.51	0°	42.97		-14.1 3.5 F 17.6 65.9 ok	-13.3 3.5 F 16.8 33.5	32.42 39.50' 1.05	31.63 33.50' 33.25	32.30=cb 31.94	3.76 4.40 F 0.64				
72+52.51	28.71 π 12.77 15.94 2.40 18.34 1.19 17.15 12.18 29.33 1.10 28.23 9.33 7.56 π 38.72	50.39 33.47 π	Finish Grades 33.47 π 4.73 28.74	on ℄ Hub 72+77.51 out		30.81 44.38' 2.66	30.02 38.38' 38.42	30.69=cb 30.40	5.30 5.60 F 0.30				
72+77.51 E.C.	28.84		on ℄ Hub 72+77.51 Camino Del Rio	-10.9 9.3 F 20.2 76.3	-10.1 9.3 F 19.4 40'	29.21 46' 4.26	28.42 40'	29.09=cb 28.88	6.82 6.82 0.0				
73+00				-11.1 9.5 F 20.6 76.9	-10.4 9.5 F 19.9 40'	27.83 46'	27.04 40'	27.71=cb F 0.10					
73+25						26.35 46'	25.56 40'	out					

28.71

12.77

S.W. Inner Loop — Lt. East

June 8-52 — H.S. Isson, Garber, Rorer, Fritz — D. Isson

Denote Grade ⅜ Back of EP

Rt. West

60

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
B.M.		5.09	15.63		10.54	Δ Mon. Caminoballo + Moranobla							
0+00	1½:1	.016					28.07 6'		28.26 6'	28.43 17'	0.03 −12.6 8.2 F 20.8 6'	−12.8 8.2 F 21.0 48.5	8.2 8.2 0.0 58.5
			28.46 0.94 28.2 94			Finish Gr. B.P. B.M. 27.54 0.92 28.46 ft	Rob Morno 35' South of Overpass						
				Sept. 16-52 Finish Grades						2.68			
0+50		0.083	28.35 1.72 30.07	B.M. 28.47 1.40 29.87 ft 9.19 20.68 on Stab 1.77 20.91 ft 2+0 22.4 ft			27.00 6'		27.10 6'	27.19 17'	1.27 −11.5 8.1 F 19.6 6'	−11.6 8.1 F 19.7 46.6	8.1 8.3 −0.2 56.6
4+75									26.30	26.17	3.9 For St.		
1+00		0.34					25.71 6'		25.42 6'	25.15 17'	4.72 3.31 −9.8 8.2 F 18.0 6'	−9.5 8.2 F 17.7 43.6	8.4 8.3 −0.1 53.6
1+07.92		0.291				25.63 11'	25.48 6'		25.13 6'	24.81 17'			
1+39.14 B.C.		0.5				3.60 24.86 11'	24.78 24.61 6'		23.97 23.92 7.58'	6.51 23.36 18.58	5.10 −8.3 8.3 F 16.6 7'	−7.7 8.3 F 16.0 42.6	8.3 8.4 −0.1 56.6
1+66.92		0.69				5.63 4.32 24.24 11'	24.10 23.89 6'		22.64 22.85 9'	22.09 20'	6.87 7.38 −7.2 8.2 F 15.6 9'	−6.5 8.4 F 14.9 42.4	8.4 8.3 +0.1 52.7
TP		3.95	11.70	7.88 −11.8 4.7 F 16.5 35.8	7.75 −11.4 4.3 F 16.1 6'								
2+00		0.92				4.93 23.53 11'	23.36 23.07 6'		21.41 21.69 9'	20.68 20'	9.19 7.98 −10.0 4.7 F 14.7 9'	−9.0 4.7 F 13.7 40.6	4.6 4.6 +0.1 56.6

S. W. Inner Loop

6.91 on Rad. His P 61
4.27
11.68 ↑

Denotes Grade 3' Back of EP

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
	22.45 ↑ 10.84 11.64 3.23 15.37		11.27 5.2 5.2 0.0 40.1	-7.5 5.2 F12.7 30.1	-8.9 5.2 F12.1 6	18.81 11' 8.64 2.57	18.57 18.21 6'		16.05 16.41 9'	15.09 20'	7.86 -5.1 4.8 6.39 F9.9 9	-3.8 4.8 F8.6 32.9	4.8 out
4+50		0.12											
4+75	21.38 ↑	0.12	5.0 4.9 +0.1 39.2	-7.1 5.0 F12.1 29.2	-6.5 5.0 F11.5 6	18.35 11' 8.03	18.11 17.75 6'		15.59 15.95 9'	14.63 20'	6.75 out		
5+00		0.12	4.9 4.9 0.0 38.3	-6.6 4.9 F11.5 28.3	-6.0 4.9 F10.9 6	17.89 11' 4.56 3.49	17.65 17.29 6'		15.13 15.49 9'	14.17 20'	8.28 -4.3 4.5 7.01 F8.7 9	-2.9 4.5 F7.4 31.1	4.5 4.0 -0.7 41.1
5+25		0.12	4.9 4.8 +0.1 37.7	-6.3 4.9 F11.1 27.7	-5.6 4.9 F10.5 6	17.43 11' 3.95	17.19 16.83 6'		14.67 15.03 9'	13.71 20'	7.67 out		
5+50		0.12	4.8 4.5 +0.3 31.8	-5.7 4.8 F10.5 26.8	-5.1 4.8 F9.9 6	16.96 11' 5.49 4.42	16.72 16.36 6'		14.20 14.56 9'	13.24 20'	9.21 -5.3 4.8 8.14 F8.1 9	-2.0 4.8 F6.8 30.2	4.8 4.0 40.2
5+75		0.12	RP. 0.4 Pile bumber	-5.3 4.8 F10.1 26.2	-4.7 4.8 F9.5 6	16.50 11' 4.88	16.26 15.90 6'		13.74 14.10 9'	12.78 20'	8.60 out		
6+00		0.12	4.7 4.8 F0.1 35.3	-4.8 4.7 F9.5 25.3	-4.3 4.7 F8.9 6	16.04 11' 6.41 5.84	15.80 15.44 6'		13.28 13.64 9'	12.32 20'	10.13 -2.4 4.8 9.06 F7.2 9	-1.4 4.8 F6.2 28.9	4.8 4.7 +0.1 38.9
6+25		0.12 out	5.4 4.7 5.1 +0.3 35	-3.9 5.4 F9.3 25 -4.8 4.7 F9.5 24.5	-3.3 5.4 F8.7 6 -3.7 4.0 F8.7 6	15.58 11' 5.80	15.34 14.98 6'		12.82 13.18 9'	11.86 20'	9.52 out		
6+50		0.12	4.7 4.2 0.0 33.2	-3.9 4.2 F8.1 23.2	-3.3 4.2 F7.5 6	15.12 11' 6.26 7.32 10.8 F3.5 16.3	14.88 14.52 6'		12.38 12.72 9'	11.40 20'	9.98 -1.0 5.1 F6.1 9 -1.5 4.4 F5.9 9 11.05	-0.1 4.4 F4.3 26.3	3.3 4.4 5.1 8.6 F4.8 8.0 8.7 32.3 3.5 8.7 on 5.68

S.W. Inner Loop

11.27

11.68 T

Denotes Grade 6' Back of E.P.

Sta.	Slope	Super	R.P.	Toe	E.P.	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
		Finish 15.87 T											
6+75		4.28 / 10.59 T / 0.17	10.03.6 / 4.2 / 0.6 / 31.5	-3.4 / 3.6 / F7.0 / 21.5	-2.8 / 3.6 / F6.4 / 6	6.74 / 14.64 / 11'	0.73		14.41 / 14.06 / 6'	11.96 / 12.31 / 9'	11.03 / 20'	4.34 / 10.35 out	
7+00	0.107	21.38 T / 9.84 / 11.54 / 8.45 / 19.99 T	2.3 out / 0.7 Fill	-3.1 / 2.3 / F5.4 / 21.1	-2.3 / 2.3 / F4.6 / 6	14.35 / 13'	7.03		13.92 / 13.60 / 6'	11.68 / 12.00 / 9'	10.83 / 20'	4.64 / 10.53 / 0.7 / 2.3 / F3.2 / 9 / -0.3 / 4.3 / F4.6 / 9	+0.4 / 8.3 / F8.3 / 24.8 / 8.3 Sidewalk / +0.9 / 4.3 / F3.4 / 25.1 / 4.3 / 4.3 / 0.0 / 35.1
TP		8.76	16.40	8.63 / -2.6	7.64								
7+25	0.092		out			13.88 / 14'	7.50		13.48 / 13.14 / 6'	11.48 / 11.76 / 9'	10.75 / 20'	10.63 / out	
7+50		.075		For Light 8M 10.54 / 2.85 / 13.39 T					12.90 / 12.68 / 6'	11.33 / 11.55 / 9'	4.27 / 10.72 / 20'	4.55 / 4.9 / 3.0 / F7.9 / 9 / +0.1 / 4.5 / F4.4 / 9	5.7 / 8.6 / F8.9 / 24.1 / +1.0 / 4.5 / F5.5 / 26.3 / 4.5 / 4.6 / -0.1 / 35.3
7+72.90		.06							12.44 / 12.26 / 6'	11.18 / 11.36 / 9'	4.29 / 10.70 / 20'	For Light 4.9 / 5.0 / 8.0 / F3.0 / 9	5.7 / 8.6 / F2.3 / 23.5 / 8.0 / 8.0 / -1.0 / 35.5
8M For Track				5.87	10.53	Mon ℄ Morena & Camino Del Rio 10.54			11.99 / 11.85 / 6'	11.03 / 11.17 / 7.97'	10.62 / 18.97'	4.37 / 5.2 / 8.9 / F3.7 / 7.97	5.8 / 8.9 / F3.1 / 24.7 / 28.7 / 8.9 / 8.9 / 8.0 / 34.7
7+94.78 = 76+97.47	EC. Camino	.048											

Camino Del Rio

Finish Grades 8M 10.43 / 3.33 / 13.76

Mon Under Over Pass

77+37.16										10.92 / 38'	10.27 / 49'		
											(Gut El. 10.29) / 49'	8.47	
77+55													

Camino Del Rio

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge		Toe	R.P.
77+75		Finish 13.76 ⊼ 2.68 11.08 5.77 16.85 ⊼	Oct. 24.52 Assisson Garber Rorer Kelley					4.01 2.5 4.26	10.49 38'	(Gut. El. 10.21) 46.58'			
78+00								4.25 2.5 4.50	10.25 38'	(Gut. El. 10.09) 44.28'	3.67		
78+25								4.42 2.5 4.67	10.08 38'	(Grate El. 9.90) 42.78'		4.07 9.69 on Grate Hinge	
78+50				14.50 ⊼ 4.07 10.43	Conc Mon under over pass			4.49 2.5 4.74	10.01 38'	(Gut. El. 9.94) 42.06'		Curb top	
+60 = Wly. Cb on Rt "H Type"			BM									10.63	3.13 on Abut
78+75								4.52 2.5 4.77 out	9.98 39'			10.65	
79+00								4.47 2.5 4.72 out	10.03 39'			10.70	3.06 on Abut
79+25				BM 10.43 4.34 14.77	Mon under over pass			4.40 2.5 4.65 out	10.10 39'			10.77	2.99 on Abut
79+50								4.26 2.5 4.51	10.24 39'		#2	10.91	2.85 out
+60 = Fly H Curb on Rt											3.78 4.62 F0.84	10.99	2.67
79+75								4.00 2.5 4.25	10.50 38'	Gut. El. 10.43 42.32'			

Camino Del Rio

BM 8.14 18.68 10.54 ℄ Mon Camino x Morena

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
80+00	1½" start		16.85 ⊼					3.74 / 25 / 3.99	10.76 / 38'	Gut El. 10.60 / 44.29'	6.25 7.9 / 10.9 / F3.0 / 38	8.1 / 10.9 / F2.8 / 48.5	10.9 / 11.1 / -0.2 / 58.5
80+25			Nov. 15-52					3.42 / 25 / 3.67	11.08 / 38'	(Gut El. 10.73) / 48.03'			
80+50			BM 20.07 / 1.12 / 21.19 ⊼ / 9.97 / 11.22 / 3.28 / 14.50 ⊼		B.P. Sty Bridge			9.72 / 25 / 9.97	11.47 / 38'	10.92 / 49'	5.93 out 7.2 / 11.2 / F4.0 / 38	7.8 / 11.2 / F3.4 / 54.1	11.2 / 11.1 / +0.1 / 64.1
80+75								9.27 / 25 / 9.52	11.92 / 38'	11.37 / 49'			
81+00								8.79 / 25 / 9.04	12.40 / 38'	11.85 / 49'	5.00 out 6.3 / 11.0 / F4.7 / 38	6.8 / 11.0 / F4.2 / 55.3	11.0 / 11.2 / -0.2 / 65.3
81+25								8.31 / 25 / 8.56	12.88 / 38'	12.33 / 49'			
81+50								7.83 / 25 / 8.08	13.36 / 38'	12.81 / 49'	4.04 5.3 / 11.2 / F5.9 / 38	5.9 / 11.2 / F5.3 / 57.0	out under Trailer
81+75								7.35 / 25 / 7.60	13.84 / 38'	13.29 / 49'			
82+00								6.87 / 25 / 7.12	14.32 / 38'	13.77 / 49'	3.08 4.4 / 11.2 / F6.8 / 38	4.9 / 11.2 / F6.3 / 58.5	out under Trailer

Camino Del Rio — Lt = North — Rt = South

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge		Toe	R.P.
			16.85 T										
82+11.17									14.53 38'	13.98 49'	out		
													21.19 T
82+25									14.93 14.73 25' 38.32	6.46 3.35 5.97 14.18 49.32'			
82+50.46 12+82.5° B.C. Rt								4.45 4.5 4.7°	15.41 15.02 25' 40.58'	14.47 51.58' 2.38 For Check	6.82 2.7 10.0 F7.2 40.58 FP	3.3 10.0 F6.7 41.7	
			S.E. Inner	Loop									
BM		7.20	17.74		10.54	2 Mon. Moreno + Camino Del Rio							
14+05.83							15.80 6'	4.10 3.5 4.5	15.07 10'	14.52 21'	6.77 2.7 10.0 F7.3 10	3.3 10.0 F6.8 31.2	9.41 6.82 F2.57
+10 S.Loop Rt BM			7.80 9.30	SERP Crystal + Taylor Camino Carb									14.45 24.55 Lim
14+34.99 = 1 Rod Lt			17'	16.85	16.77 12' Ri		16.10 16.24 11'	4.14 3.5 4.6	14.86 10'	14.09 21'	7.20 2.9 5.2 F3.3 10	3.3 5.2 F1.5 23.3	
	Cobr. BM 20.07		21.29 T										SERP Crystal BM 7.80 1.67 19.47
14+50			4.46 5.85 F1.19	16.83 9.33		0.9	1.5 3.20 F2.0 12.3	4.88 4.9 5.7	14.59 10'	13.68 21'	7.61 3.3 5.3 F2.1 10	4.1 5.3 F1.3 22.8	
14+79.99			4.9 6.08 F1.17	16.38 8.0		1.4 4.5 F3.1 12.7	2.4 3.30 F3.0 12.3	5.65 2.5 5.90	13.82 10'	12.67 21'	8.42 3.3 4.9 F1.6 3.9 5.3 F1.4 10 4.4 4.9 F0.5 5.4 5.4 F0.3 21.8 21.9		
15+00			5.4 6.33 F0.92	15.88 8.0		1.9 4.7 F2.8 12.2	2.5 3.5 F2.7 12.1	6.31 2.5 6.56	13.16 10'	11.91 21'	9.88 4.6 5.3 F0.7 10	5.8 5.3 C0.5 21.5	
15+25			6.24 6.73 F0.49	15.05 8.0		2.7 4.7 F2.0 11.0	4.4 3.5 F1.8 10.9	7.17 2.5 7.42	12.30 10'	(Gut El.) 11.41' 20.70'	9.88 5.4 5.4 C0.2 10	6.3 5.2 C1.1 21.8	5.7 4.6 C1.1

S.E. Inner Loop Lt. NEly

Rt = [illegible]

Cb Gr 21.29 ⊼ 17.74 ⊼

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
			17.10 ⊼										
15+50			7.16 / 7.58 / F0.42	Curb 14.13 / 8	3.6 / 5.2 / F1.6 / 10.4	4.3 / 5.4 / F1.1 / 9.7	13.46 / 8'	12.65	7.92 / 8.17 / 11.55 / 10'	(Gut. El. 11.04) / 17.78'	10.25 6.2 / 9.1 / F2.9 / 10	6.7 / 9.1 / F2.4 / 21.4	6.1 / 8.5 / F2.4 / 10.38 For P.B. out
+60 = SL. Lt. P.B.P.				13.76 / 10 For Light	7.53 / 8.40 / F0.87		13.09 / 8	12.36	11.32 / 10	10.91 / 16.85	10.91 / 18.35 For B.P.		
15+72.71			8.01 / 8.88 / F0.87	12.28 / 8	4.5 / 7.0 / F2.5 / 11.8	5.1 / 5.8 / F0.7 / 9.1	12.61 / 8'	12.00	11.00 / 10'	(Gut. El. 10.76) / 15.72'	10.53 6.7 / 8.9 / F2.2 / 10	6.1 / 8.4 / F2.3 / 10	7.0 / 8.9 / F1.9 / 18.6	6.3 / 8.4 / F2.1 / 18.9
									8.47 / 8.72				
16+00			8.68 / 10.19 / F1.51	12.61 / 8	5.2 / 7.2 / F2.0 / 11.0	5.8 / 7.2 / F1.4 / 10.1	11.94 / 8'	8.77 / 8.5 / 9.02	10.70 / 10'	(Gut El. 10.63) / 14.02'	10.66 7.0 / 9.1 / F2.1 / 10	6.4	7.1 / 9.1 / F2.0 / 17.0	6.5
16+23.32	= R1 on Lt.		9.14 / 10.58 / F1.44 Taylor 12.15	12.10 / 8	9.19 / 10.58 / F1.39		11.43 / 8'	8.95 / 8.5 / 9.20	10.52 / 10'	(Gut El. 10.51) / 13.21	10.78 7.2 / 9.5 / F2.3 / 10	7.2 / 9.5 / F2.3 / 16.7	
TP	6.79		15.03	9.50	8.24								BM 7.80 / 6.34 / 14.14
16+42.77								Cb 3.17 / 3.97 / F0.80	10.97 Cb / 10.30 / 10'	11.09 / 16'	4.7 / 6.9 / F2.2 / 10	3.9 / 6.9 / F3.0 / 20.5	
16+59.25	E.C.							Cb 3.38 / 4.23 / F0.85	10.76 Cb / 10.09 / 9.30'	10.88 / 15.30'	4.9 / 6.8 / F1.9 / 9.3	4.2 / 6.8 / F2.6 / 19.2	Sub Grade 19.47 ⊼
BM				7.17	7.86	SEBP Chestnut + 7.80 Taylor							

S.E. Inner Loop

Sta.	Slope	Super	R.P.	Toe		Shdr. Hinge
BM		4.80	12.10		7.80	5 F.B.P. Chestnut + Taylor
18+79.83 B.C.						
			Finish 5 F.B.P. BM 7.80 Chestnut + Taylor 4.92 12.72 0.88 11.84 8.26 20.10		BM 7.80 6.34 14.14	Curb grade
19+07.14						12.45 → 4.77 5.60 F 0.83 1' 0.78
+20						
19+25						
19+38.04 = R.O.W.			BM 7.80 5 F.B.P. Above 4.20 12.10			4.3 4.9 F 0.4 11.6 F.P.
19+50						
19+75						3.9 5.5 F 1.6 10.5 F.P.
20+00						3.1 5.5 F 2.4 11.6 F.P.
20+25						1.8 5.2 F 3.4 12.1 F.P.
20+50						0.4 5.1 F 5.3 16.0 F.P.
TP		4.82	11.67	5.25	6.85	0.22 5.05 20+75

E.P.	℄ ⌓	E.P.	Shdr. Hinge		Toe	R.P.
7.65 6'	5.90 5.35 F 0.55 7.86 ⌓ 6.28 F 0.69	7.19 10.41'	4.72 8.00 16.41	4.9 4.4 C 0.5 10.4	4.4 F 0.3 16.9	
7.68 6'	4.97 5.29 F 0.32 6.25 5.56 F 0.31 7.89 ⌓	7.22 12'	4.69 8.03 19'	4.9 4.6 C 0.3 12	4.1 4.6 F 0.5 19.8	
7.70 6'	⌓ 7.90 7.23 4.70 4.30 F 0.46 3.8 cut 8.49 41	7.9 ⌓ 7.24 12'	1.23 6.70 F 0.47 8.05 19'	out		
7.79 11'	8.29 ⌓ 5.85 7.90 F 1.85	7.93 ⌓ 7.26 12	1.21 6.00 F 0.90 8.07 19	4.9 4.9 C 0.0 12	4.0 4.9 F 0.9 20.4	
7.84 9.62'	8.31 ⌓ 5.80 7.65 F 1.85	7.95 ⌓ 7.28 12'	6.19 7.18 F 0.98 8.09 19'	out		
8.23 8.10'	8.73 ⌓ 5.41 7.61 F 1.60	8.07 ⌓ 7.40 12'	6.07 5.59 F 0.63 8.21 19'	4.7 5.8 F 1.1 12	3.9 5.8 F 1.9 21.9	
9.04 8'	9.54 4.60 5.55 F 0.90	8.48 ⌓ 7.81 12'	5.66 5.49 C 0.17 8.62 19'	4.3 5.3 F 1.0 12	3.5 5.3 F 1.8 21.7	
10.27 8'	10.77 ⌓ 3.37 4.03 F 0.66	9.34 ⌓ 8.64 12'	4.83 4.37 5.48 9.45 19'	3.5 5.4 F 1.9 12	2.7 5.4 F 2.7 23.1	
12.34 11.84 8'	0.80 2.73 F 0.93	10.58 ⌓ 9.91 12'	3.56 2.83 C 0.73 10.72 19'	2.2 5.5 F 3.3 12	1.4 5.5 F 4.1 25.2	

S.E. Inner Loop

11.67

Sta.	Slope	Super	R.P.	Toe	Shdr. Hinge	E.P.	℄	E.P.	Shdr. Hinge	E.P.	Toe	R.P.
		20: 10 ⊼										
20+75				14.14 ⊼ 0.87 13.27 12.65	-1.8 4.8 F 6.6 17.9 E.P.	6.66 13.94 = cb 13.44 8'	0.20 0.87 F 0.66	12.31 = cb 11.64 12'	1.83 1.21 0.62 12.45 19'	7.65 0.0 4.7 F 4.7 12	-0.8 4.7 F 5.5 27.3	
21+00				25.92 ⊼ 1.02 24.90 4.92 29.82 ⊼	-3.4 4.8 F 8.2 = E.P. 20.3	5.08 15.52 = cb 15.02 8'	10.40 11.30 F 0.90	14.28 = cb 13.61 12'	11.64 11.22 C 0.42 14.42 19'	5.68 -1.9 4.8 F 6.7 12	-2.8 4.8 F 7.6 30.4	
21+12.20	= 30+21.17 Morena		BM 28	1.47 35 on Over Pass		16.32 = cb 15.82 8'	9.60 10.58 F 0.98			out		
21+23.23					-4.7 out	3.75 16.35 6'		15.98 = cb 15.31 12'	9.94 9.79 0.15 16.12 19'	3.98 -3.6 4.3 F 7.9 12	-4.5 4.3 F 8.8 32.2	
21+50.54	E.C.	Page 52				17.89 6'		17.84 = cb 17.17 10.41'	8.08 8.21 F 0.13 17.98 17.41'	2:12		

12.32
11.70
0.62

Taylor St. Curb Grades

			Lt. West Curb	
12+0			5.22	5.07 / 4.94 / C0.13 x on Walk
+75			5.15	–
+50			5.08	5.21 / 5.05 / 0.16
+25			5.01	–
11+0		00285	4.94	5.35 / 5.42 / F0.07 x on Conc
+75			4.86	5.43 / 5.26 / C0.17
+43 = Brk on East			4.77	out
+35 = Cb F.C. on West			4.75	5.54 / 5.56 on Cb
+33 = Cb F.C. on East				
B M Westside 5.66	10.29		4.63	
10+0 = ℄ Juan				
Eastside BM 4.15	8.78		4.63	SERP Juan x Taylor

West Side Staked Sept 10-52 A Sisson

Rt. East

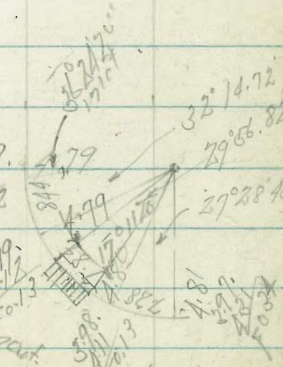
			Curb	
			5.25	3.53 / 3.73 / F0.20
			5.18	
			5.11	3.67 / 4.26 / F0.59
			5.04	–
		002727	4.97	3.81 / 3.97 / F0.16
			4.91	3.87 / 4.45 / F0.58
			4.82	3.96 / 4.30 / F0.34

H. Inlet

BM 4.63 / 5.62 / 10.30 x

4.63 / 5.81 / 10.44 x

Top	4.79 / 5.51 / 5.42 / C0.09 / 5	3.99 / 4.61 / F0.62	4.79
Grate	3.96 / 6.31 / 5.42 / C0.92 / 5	3.99 / 4.12 / F0.13	4.79
Bot. Box	0.50 / 9.80 / 5.42 / C4.38 / 5' Back Curb Face	Top dead out 4.30 / 6.14 / 5.51 / F0.37	3.98 / 4.11 / F0.13



Taylor St.

		West Cb		
14+0		5.79	4.50 / 5.04 / F0.54	
+90 = 2' R on ℄	Δ 44° 25' 37" R 20' T 8.17 L 15.51 D 85.944			
+85.15 = Cb EC on West		5.75	4.54 / 5.09 / F0.55	
+75	Δ 45° 34' 23" R 10' T 4.20 L 7.95	5.75	4.54 / 4.89 / F0.35	
+50	Sunset St.			
+25	Δ 45° 34' 23" R 10 T 4.20 L 7.95 D 171.887	5.57	4.72 / 4.87 / F0.10	
+15.15 = Cb BC on West	Δ 42° 22' 57" R 20 T 7.75 L 14.81 D 85.944	5.55	4.73 / 4.97 / F0.24	
13+0		5.50	4.79 / 4.98 / F0.19	
+75		5.43	–	
+5.3 on East		5.36	4.93 / 5.10 / F0.17	
12+25		5.29	–	

10.29 W
8.78 E

002696

002885

℄ Curb	℄ ⊼ 11.29	Rt = East		Curb	
6.67	4.62 / 5.24 / F0.62		Gut.	5.79	4.77 / 4.92 / F0.15
4.64 / 5.27 / F0.63	6.65				
				out	
				5.72	
				5.66	4.90 / 5.00 / F0.10
		4.81 = W/Box	4.93 / 5.51	5.60	+28
				5.59	
		4.79 W/Box	4.91 / 5.53	5.58	+23
				out	
TP	5.00	10.56	3.22	5.56	
				5.52	3.26 / 3.22 / C0.04
Clean out Grade BM 4.63 / 5.81 / 10.44	SEBP Suan & Taylor				
				5.45	
			out	5.39	3.39 / 3.58 / F0.19
				5.32	out

002727

8.78

Taylor St.

			West Curb	Gut		℄ Curb	Rt. East		Curb	
32+75		4.18 4.18 0.0	6.52	5.85	+25	7.23	4.06 4.64 F0.58		6.41	
C Stake Line 22.14										
33+00		4.34 4.58 F0.24	6.36	5.69	16+0	7.17	4.12 4.79 F0.67		6.34	4.22 4.37 C0.01
C Stake Line 15.90										
33+17.95 +88.71 E.C. E Line	Def. Page 18		6.30	4.40 4.84 F0.44						
BM	7.29 4.00 11.29	B.P. N.Y.C. West Side Taylor at Whitman								
+75			6.26			7.11	4.18 4.80 F0.62		6.27	
+50			6.20	4.50 4.68 F0.18		7.09	4.25 4.85 F0.60		6.20	4.36 4.26 C0.10
+25		002696	6.13			6.98	4.31 4.90 F0.59	002727	6.13	
15+0			6.06	4.64 4.65 F0.01		6.92	4.37 5.01 F0.64		6.07	4.49 4.46 C0.03
+75			5.99			6.85	4.44 5.08 F0.64		6.00	
+50			5.93	4.77 5.08 F0.31		6.79	4.50 5.16 F0.66		5.93	4.63 4.84 F0.21
14+25			5.86			6.73	4.56 5.17 F0.61		5.86	
TP West Side 5.45	10.70	5.04	5.25							
	10.29						10.56			

Taylor St.

Lt = West

Sept 9-52
A. Sisson
Roner
Perkins

Rt = East

		Lt = West Curb	Lt = West Gutter		Rt = East ℄ Cb 11.29 ⊼ ℄ Curb	Rt = East Curb	
+75		4.03 / 6.03 / F2.00 8.15	7.65		7.98	3.31 / 3.98 / F0.67 7.25	
+50	BM 7.80 / 4.38 / 12.18 ⊼	4.12 / 6.33 / 8.06 F2.21	7.56		7.90	3.39 / 4.06 / F0.67 7.15	4.70 / 4.66 / C0.04 × / 3 on Walk
+25		4.20 / 6.35 / F2.15 7.98	7.48		7.82	3.47 / 4.12 / F0.65 7.06	
18+0		4.28 / 6.38 / 7.90 F2.10	7.40		7.74	3.55 / 4.19 / F0.64 6.96	4.89 / 5.32 / F0.43
+75		4.36 / 6.41 / 7.82 F2.05	7.32	BM 6.26 / 5.59 / 11.85 ⊼ Chisel Δ. 3' E of El. Taylor 50½ Whitman	7.66	3.63 / 4.28 / F0.65 6.86	003857
+64.66 = Cb E.C. on W		Page 54	7.29				
+50				6.26 / 5.73 / 11.99 ⊼	7.58	3.71 / 4.37 / F0.66 6.77	5.08 / 5.47 / F0.39
+35. on East Cb E.C. Rt				17+39 = 2' R of ℄	7.55 / 3.74 / 4.36 / F0.62 5.28	5.14 / 5.84 / F0.70 5.28 / 5.98 / F0.70 6.71	13°58.81' R20
17+00.22 = ℄ Whitman						5.14 / 5.86 / F0.72 6.71	14°59.83'
BM For Check West		4.46	6.24	Δ 3' E El. Taylor 5¼ Whitman 6.25 P11		5.13 / 4.98 / C0.15 5.27 / 5.60 / F0.33 5.12 / 5.14 / F0.02	5.24 / 5.35 / F0.11
+70.22 = Cb BC Rt on East					17+03.21 7.68 / 30' Lt. Cb B.C.	3.99 / 3.90 / C0.09 6.57	3.92 / 3.72 / C0.20
32+27.73 = PCC "E"		3.38 / 5.01 / F1.63	Curb 7.32	Gut 6.65	+59.13 = ℄ 2' R 7.25 / 28' Lt. Cb 7.32	3.97 / 4.61 / F0.64 4.03 / 3.95 / C0.08 6.53	21°21.12' 21°21.12' 19°28.82' R15
C Stake Line 19.55							
32+50	10.70 ⊼	3.83 / 5.26 / F1.43	6.87	6.20	16+50 out 10.56	4.09 / 3.95 / C0.14 6.47	002727

Taylor

Cont 77

East

				20+75.14							
				4.12	8.33						
							℄ Curb			Curb	For Cb on N SE BP 7.80 Chestnut & Taylor 5.06 12.86 ⊼
										BM	
									7.80 46 5 ⊼ 12.4		
Chestnut				463	7.82						
+25.14 - Cb BC Lt				486 5.18 F0.32	7.59	+25.14	8.45	2.84 3.38 F0.54			4.06 4.08 on Cb
+15.14 - Cb BC on Rt Chestnut										7.79	
20+10.48	5.05 3.46 F0.41	7.81 cb	7.14 Gd		7.60	4.85 5.28 F0.43	20+0	8.37	2.92 3.61 F0.69	7.73	4.12 4.42 F0.30 3 PB
+72 5.3 = 1.8 + 79.83 SE 1/4	5.00 5.55 F0.55	7.86 cb 4.32 Sr	7.19 Gd		7.6	4.80 5.54 26 F0.54	+25	8.29	3.00 3.70 F0.73	7.64	
+50								8.21	3.08 3.80 F0.72	7.54	4.31 4.25 00.06
+25								8.13	3.16 3.80 F0.64	7.44	
+11.04 on W 1R Page 18		8.29	3.89 5.75 F1.86	7.79							
19+0	3.93 6.18 F2.25	8.25	7.75					8.05	3.24 3.88 F0.64	7.35	4.50 4.44 00.06
	Curb		Gutter						11.85	Curb	

Taylor St.

				Curb	Gutter
+41.60 = Exist Curb = E.C		13° 17.75		18.43 Exist	
+25		11° 13.81 ✓	3.51 / 4.02 / F0.51 on Pav	17.78	
24+0		8° 07.18' ✓	4.46 / 5.36 / F0.90	16.83	16.22 Pav
	Δ 26° 35' 30" R 230.25 T				
+75	L 106.86 D, 7.4652	5° 00.55' ✓	5.46 / 6.16 / F0.70	15.83	
+50		1° 53.92 ✓	6.46 / 7.64 / F1.18	14.83	
+34.74 B.C. Lt.			7.07 / 8.46 / F1.33	14.22	13.55
+25			7.26 / 8.64 / F1.38	14.03	13.36
23+0			7.76 / 9.49 / F1.73	13.53	12.86
+75			8.26 / 9.68 / F1.42	13.03	12.36
+50			8.76 / 10.47 / F1.71	12.53	11.86
22+31.22 = E.C. 1'R				12.15 Page 67	11.48
BM	1.22	21.29		20.07	BP Sly Br.

Chestnut St. Grades
Taylor St to Rosecrans St.

Nov-18-52
A Sisson
Garber

Rorer
Kelley

			Curb	Gutter		℄		Gutter	Curb	
3+0 = S.E.Ly Rosecrans		4.59 4.84 F0.25 18'	7.27	6.60 15'		7.00		6.60 15'	7.27	4.59 4.57 C0.02 18'
+50		4.50 4.45 C0.05	7.36	6.69		7.12		6.76	7.43	4.43 4.43 0.0
2+0		4.42 4.54 F0.12	7.44	6.77		7.24		6.91	7.58	4.28 4.58 F0.30
+50		4.34 4.63 F0.29	7.52	6.85		7.36		7.06	7.73	4.13 4.82 F0.69
1+0		4.26 4.73 F0.47	7.60 0.017	6.93		7.47	0.0307	7.21	7.88	3.98 4.57 F0.59
+50		4.17 4.45 F0.28 18'	7.69	7.02		7.59		7.37	8.04	3.82 4.67 F0.85 18'
0+0 = N.W.Ly Taylor			7.77	7.10 15	4.76 4.74 on Conc	7.71	4.34	7.52 15	8.19	
BM	4.06	11.86		7.80	S.E.B.P. Chestnut + Taylor					

Taylor St.

			Curb	Gutter			
+25							
23+0							
+75							
+50			See Page 75				
22+31.22 = R1 on West			↓				
21+93.11 16+59.25 F.C.S.F.1.L					10.70 26	1.75 2.35 F0.60	
+65.25 B.C. Pav Edge		2.57 4.41 F1.84	10.29	9.62	10.13 26	2.32 2.87 F0.55	
+50		2.86 4.68 F1.82	10.00	9.33	9.83	2.62 3.16 F0.54	12.45 ⊼ 1.47 10.98 Mk CbEnd
+25		3.36 4.68 F1.32	9.50	8.83	9.33	3.12 3.57 F0.45	
21+0		3.86 5.27 F1.41	9.00	8.33	8.83	3.62 4.02 F0.40	
20+75.14					4.12 4.41 F0.29	8.33 26	

12.86 ⊼

Brt Ford. Page 74

Camino Del Rio

						Gut.	Curb
+80.26 End Cb on South							19.40 Exist
+74.51 End Cb on ℄							out
+40				18.52	18.50		19.27 2.02 3.18 F1.16
84+0				17.92	17.90		18.57 2.72 3.91 F1.19
+66.43				17.27	17.25		17.92 3.37 3.97 F0.60
+50				16.92 Sy Pav	16.93		17.60 3.69 4.77 F1.08
+25				16.53	16.43		17.10 4.19 5.44 F1.25
+06.43 = R1 on R1				16.23 Sy Pav	16.13		16.80 4.49 5.57 F1.08
83+0					16.10 S Elk		16.77 S. Elk 4.52 5.57 F1.05
82+61.76							
BM	1.22	21.29	20.07 SW BP Walk of Bridge Moreno + Taylor				

Storm Drain + "H" Inlet
78+25 Camino Del Rio

Sunc 20.52
A. Sisson
Garber
Rorer
Fritz

8'+18"

Sketch Page 4

B.M. 4.71	15.25		10.54	℄ Mon Camino Del Rio + Morene
Top Curb		3.46 4.63 F 1.17 10' East	10.73	~~4.52~~ ~~6.76~~ ~~F 2.24~~ ~~10' E~~
Grate		4.29 4.63 F 0.34 10' E	9.90	~~5.35~~ ~~6.76~~ ~~F 1.41~~ ~~10' E~~
Bottom Box		6.87 4.63 C 2.24 10' E	7.32	~~7.93~~ ~~6.76~~ ~~C 1.17~~ ~~10' E~~
Outlet 18" Pipe		7.19 5.03 C 2.16 10' W	7.00	~~8.25~~ ~~4.46~~ ~~C 3.79~~ x on Conc Abut

Restake
Aug. 28.52
A. Sisson
Garber
Rorer
Chipman

BM 10.54
3.65
14.19

Sta

Levels North West Outer Comp. +
Camino Del Rio Borrow Pit Oct. 14-52

		Lt-H		B/L
B.M.	75+50	13.0 42	5.9 25	4.0 0.0
Top C				
	75+0	10.5 31 = New Slope Line	9.6 20	
Grat				
Bottom	+50	11.4 30 = New Slope Line	9.0 18	
Outle				
	74+0	10.1 29 = New S.L.	7.3 17	
	+50	9.6 32 = New S.L.	7.1 19	
	73+0	10.5 39	6.6 21	
	72+50	7.3 31	4.5 24	
	B.M. 7.53	18.07	10.54	Mon ℄ Camino Del Rio + Moreno

A. Sisson
Garber
Rorer
Kelley

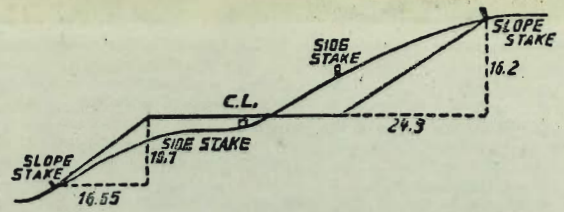
North West Outer Connection
Paving Grader to Force Drainage
into H Inlet 4+25 on Rt

DCC. 5.52
HS. 5500

	Lt		℄	Rt
		16.92	16.99	16.76
+75	17.02 / 4.83	4.89	4.86	5.09
		16.58	16.72	16.48
+50	16.85 / 5.00	5.29	5.15	5.37
		16.60	16.66	16.10
+25	16.93 / 4.95	5.25	5.19	5.75 Grade
		16.99	17.04	16.85
4+0	17.25 / 4.60	4.86	4.81	5.19
		17.38	17.75	17.32
3+75	17.80 / 4.05	4.27	4.10	4.63

Grade at Finish Grade 11.50 to 0 on First Run Rt

BM 11.42 21.85 10.43 Mon Under Over Pass



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

THE NATIONAL BLANK BOOK COMPANY
HOLYOKE MASSACHUSETTS
NEW YORK . CHICAGO BOSTON SAN FRANCISCO