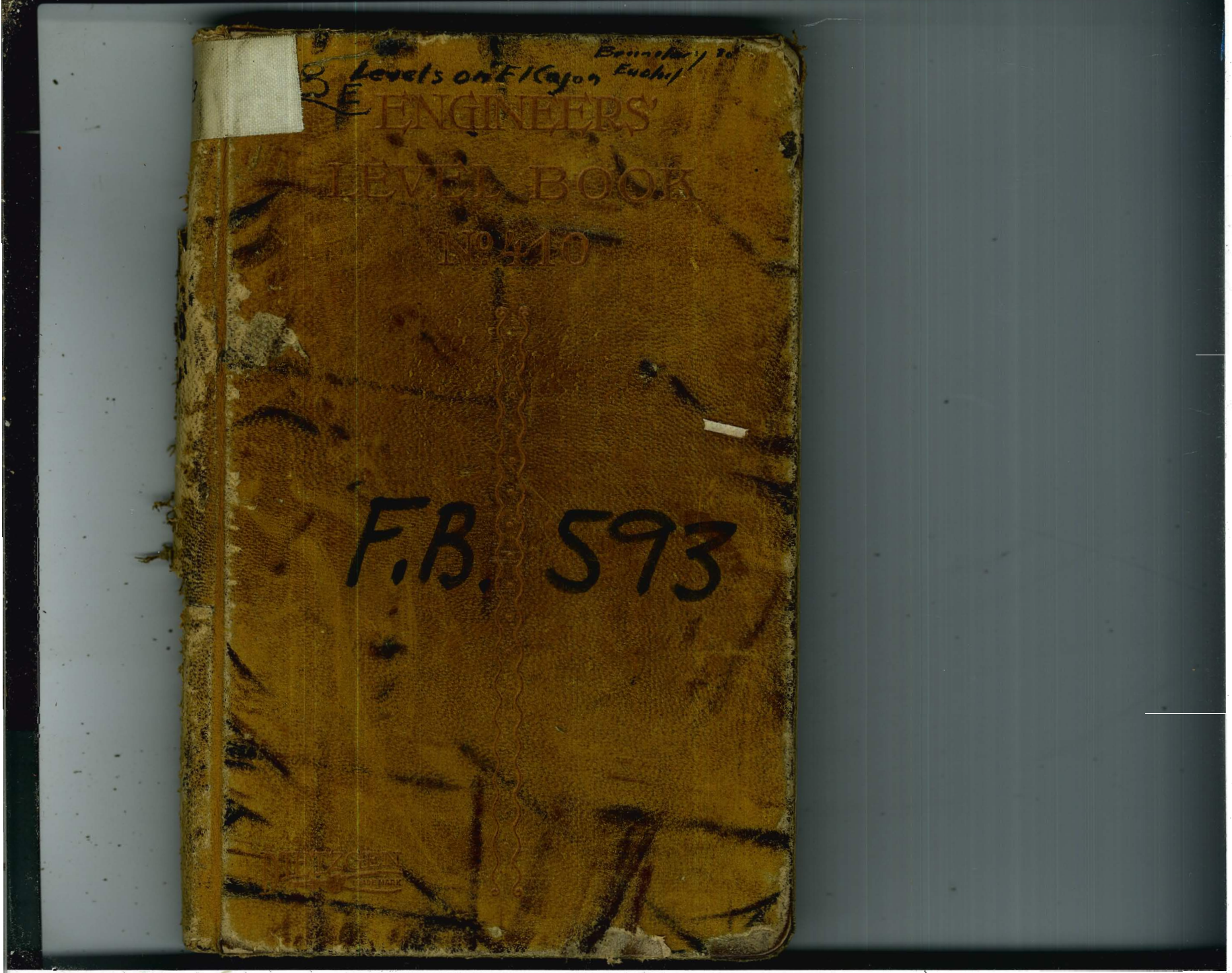

Levels on El Cajon
ENGINEERS'
LEVEL BOOK
No. 410
F.B. 593

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and
SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

78 West of West 7 Cents

593

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

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

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

Cross Section Page.

El. Cajon
Cross section. 10 to 12 incl
From W. Boundary to Wabash XX.Pl.

Levels on Elcajon Boundary
to Euclid. 1 to 8 incl

1

Levels from Pacific & Univ Ave to Boundary & El Cajon

9-8-23
Ellis
Walker

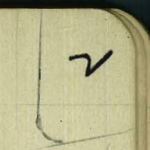
1

	+	⊼	−		
				B.M. N.W. Cor Pacific & Univ Ave 361.48	Taken from Book No 7284
	10.4	371.89			
T.P.			0.30	371.59	
	10.54	382.13			
T.P			2.21	379.92	
	5.57	385.49			
					Not in Circuit of Levels
B.M.			6.28	379.21	B.M. S.W. Cor. Swift Ave. El Cajon Brass Plug
T.P.			5.70	379.79	
	2.17	381.96			
T.P.			7.06	374.90	
	2.72	377.62			
T.P.			4.08	373.54	
	8.08	381.62			
			4.62	377.00	T.P.M.B. SW Cor El Cajon & Boundary Send of Return

Levels on El Cajon Boundary to Euclid.

9-9-23
Ellis
Walker
Preston

	+	⊼	—		
	4.25	381.25		377.00	TPBM. SW Cor Boundary + El Cajon — S.W. Cor. El Cajon + Boundary Return
			3.73	377.52	N.W. " " " " "
			381	377.44	N.E. " " " " "
			No Curb		S.E. " " " Return in
			4.44	376.81	N.W. " 34th St + El Cajon. Return in Return N.E. Replace N.G.
			5.00	376.25	N.E. " " " " " Return in
T.P.			3.75	373.50	N.W. " 35th St + E Cajon "
	5.69	379.19	6.60	372.59	N.E. " " " " "
			7.50	371.69	Drain across El Cajon South 95' East of the N.W. Cor. of 35th St + E Cajon
			4.40	374.79	N.W. Cor 1st St. El Cajon
			4.00	375.19	N.E. Cor. 1st St. El Cajon
			5.06	374.19	S.W. Cor Mission + 1st St. El Cajon Return not in
			4.80	374.39	S.E. " " " Return not in
			3.55	375.64	SW Cor. Wabash Ave Return not in
			3.05	376.14	SE Cor " " Return in
			2.41	376.78	NW Cor Prospect St " "
T.P.			1.74	377.45	376.7 NE Cor " " " "
	7.86	385.31	5.24	380.07	NW Cor Perfect Ave " " "
			5.00	380.31	N.E. Cor " " " "



Levels on Elcajon Boundary to Euclid

9-9-23
Ellis
Walker
Preston

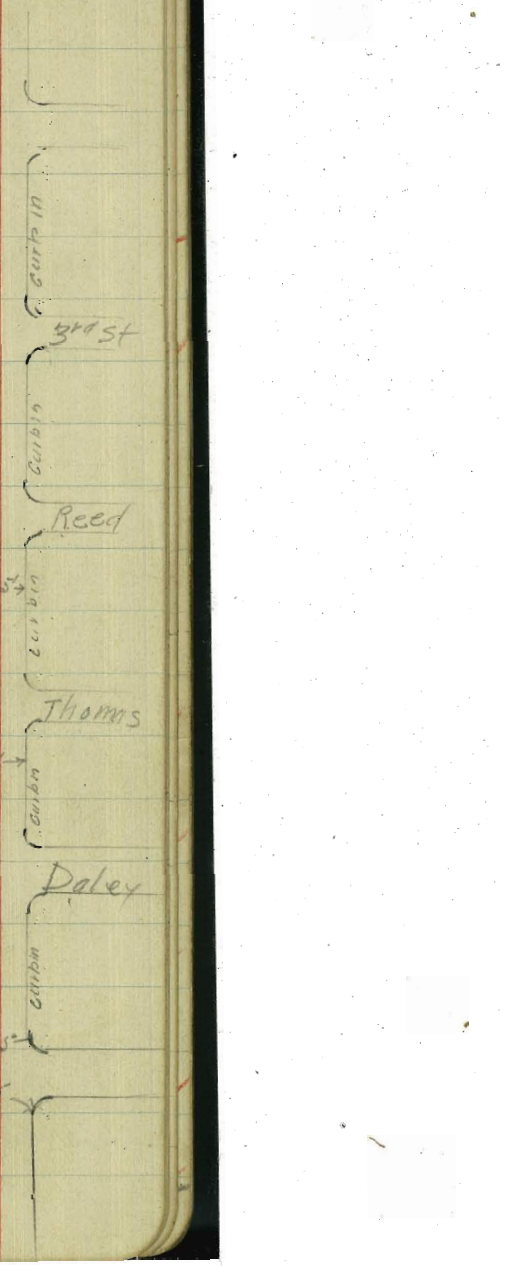
+	T	−						
	385.31	6.45	378.86	S.W. Cor	Scott + Elcajon	Return in		
		6.45	378.86	S.E. Cor	"	" 148 to 186 Return not in		
				From N.E. Cor of Prospect + Elcajon 36' of low curb			Swift	
		4.80	380.51	N.W. Cor	Seaview			
		4.50	380.81	N.E. Cor	" "			
		6.10	379.21	S.W. Cor	Swift	Return not in	Second St.	
		5.90	379.41	S.E. Cor	Swift	Return not in	curbing ½ block	
		3.45	381.86	N.W. Cor	Second St.	Return in		
		3.37	381.94	N.E. Cor	"	" "	Wilson Ave	
		4.50	380.81	S.W. Cor	"	" Return not in		
		4.14	381.17	S.E. Cor	"	" Return in		
T.P.		3.37	381.94				Storey	
	409	386.03	5.35	380.68	End of Curb at West side of Alley	on South Side of Elcajon between Second + Wilson		
		5.95	380.08	S.W. Cor	Wilson Ave	Return not in		
		6.40	379.63	S.E. Cor	"	" " "	Cherokee	
		4.80	381.23	N.W. Cor	"	" Return in		
		5.05	380.98	N.E. Cor	"	" "		
		7.42	378.61	N.W. Cor	Storey	" "		
		7.89	378.14	N.E. Cor	"	" "		

Levels on El Cajon - Boundry to Euclid

9-9-23
Ellis
Walker
Reston

4

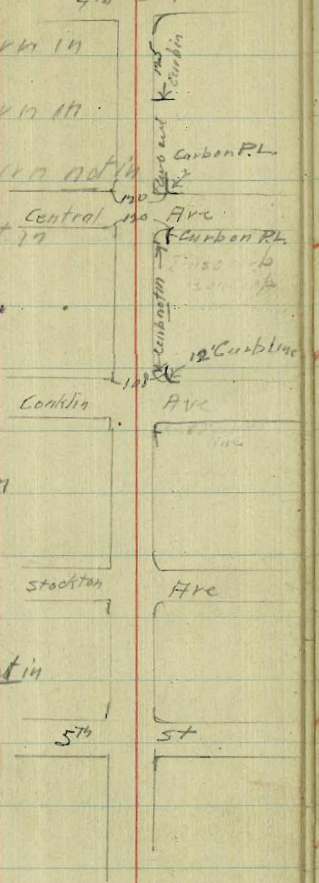
	+	⊼	−				
		386.03	8.16	377.87	SW Cor	Storey	Return not in
			8.35	377.68	SE Cor	Storey	Return not in
T.P.			7.90	378.13			
	3.74	381.87	5.01	376.86	N.W. Cor	Brodt St	Return in
			5.40	376.47	N.E. Cor	" "	Return in
			5.73	376.14	S.W. Cor	Cherokee	Return not in
			6.13	375.74	S.E. Cor	Cherokee	Return not in
			8.44	373.43	S.W. Cor	Reed	Return not in
			8.64	373.23	S.E. Cor	Reed	Return not in
			7.45	374.42	N.W. Cor	3rd St.	Return in
T.P.			6.66	375.21	N.E. Cor	3rd St.	" Thomas
	1.15	376.36	3.42	372.94	N.W. Cor	Reed	Return in
			3.40	372.96	N.E. C	Reed	Return in
			3.30	373.06	This curb is in bad condition now 197' of curb Thomas West. End of Curb between Reed + Thomas		
			4.30	372.06	S.W. Cor Thomas + El Cajon Return in		Return now Rexmore Drive
			4.65	371.71	S.E. Cor Thomas + El Cajon Return in This curb in bad condition		
			5.55	370.81	End of Curb Thomas East 125		
			6.81	369.55	N.W. Cor Thomas El Cajon Return in		
			7.21	369.15	N.E. Cor " "		Return in



Levels on El Cajon - Boundry to Euclid

9-9-23
Ellis
Walker
Preston

+	Δ	−					
	376.36	9.50	366.86	N.W. Cor	Daley + El Cajon	Return in	
		9.70	366.66	N.E. Cor	Daley + El Cajon	Return in	
		8.60	367.76	S.W. Cor	"	Return not in	
		8.90	367.41	S.E. Cor	"	Return not in	
T.P.		9.70	366.66				
5.04	371.70	5.35	366.35	N.W. Cor	4th + El Cajon	Return in	
		5.05	366.65	N.E. Cor	"	"	
		5.63	366.07	S.W. Cor	"	Return not in	
		5.98	365.72	S.E. Cor	"	"	
		5.80	365.90	End of Curb 4th East 120'		North side of El Cajon	
		7.06	364.64	S.W. Cor	Central Ave + El Cajon	Return not in	
T.P.		7.15	364.55	S.E. Cor	"	Return not in	
5.64	370.19	4.90	365.29	N.W. Cor	"	Return in but on Prop.	
		5.10	365.09	N.E. Cor	"	"	
		5.55	364.64	N.W. Cor	Conklin + El Cajon	Return in	
		5.82	364.37	N.E. Cor	"	Return not in	
		5.65	364.54	S.W. Cor	"	Return not in	
		4.52	365.67	S.E. Cor	"	"	
		4.80	365.39	N.W. Cor	Stockton + El Cajon	Return not in	
				N.E. Cor	"	"	



Levels on El Cajon - Boundary to Euclid

9-9-23
Ellis
Walker
Preston

6

	+	℄	−							
		370.19	5.05	365.14	SW Cor	Stockton & El Cajon	Return not in			
			5.30	364.89	S.E Cor	"	"	"	51st	St
T.P.			5.31	364.88						
	5.16	370.04	5.61	364.43	N.W. Cor. 51st Ave & El Cajon	Return not in				
			6.00	364.04	N.E Cor.	"	"	"		
			6.50	363.54	N.W. Cor.	Copeland	"	"	Copeland	Ave.
			6.30	363.74	N.E Cor.	"	"	"		
			7.00	363.04	S.W Cor.	"	"	"		
			7.00	363.04	S.E Cor.	"	"	"	VanDyke	Ave
T.P.			4.04	363.00						
	5.34	368.34	4.75	363.59	SW Cor	VanDyke	& El Cajon	Return not in		
			5.30	363.04	SE Cor	"	"	"	Pauly	Ave
			3.80	364.54	N.W. Cor	"	"	"		
			No Curb.		N.E. Cor	"	"	"		
			10.80	357.54	N.W Cor	Pauly	"	"	Fairmount	Ave
			12.10	356.19	N.E Cor	"	"	"		
			10 52	357.77	S.W Cor	"	"	"		
T.P			11.10	357.24	S.E Cor	"	"	"		

Levels on El Cajon - Boundary to Euclid

9-9-23
Ellis
Walker
Preston

	+	π	−					
	0.60	357.84		357.24				
			5.80	352.04	SW Cor	Fairmount & El Cajon	Return not in	
			5.80	352.04	S.E. Cor.	" "	" " "	
			6.65	351.19	N.W. Co.	" "	" " "	
			6.65	351.19	N.E. Cor	" "	Return in Colonial	
			5.46	352.44	N.W. Cor	Orangewood & El Cajon	Return in N.G.	
T.P.			4.41	353.43	N.E. Cor	" "	" " N.G.	
	2.77	361.20	6.50	354.70	S.W. Cor	Colonial & El Cajon	Return not in	
			6.00	355.20	S.E. Cor	" "	Return in	
			5.32	355.88	N.W. Cor	Highland & El Cajon	Return not in	
			5.12	356.08	N.E. Cor	" "	" " "	
			4.96	356.24	S.W. Cor.	" "	Return in	
			4.73	356.47	S.E. Cor	" "	" "	
T.P.			3.86	357.34	S.W. Cor	Cabrillo Ave	" "	
	5.57	362.91	5.35	357.56	S.E. Cor	" " Ave	" "	
			4.00	358.91	N.W. Cor	Orchard Ave	Return not in N.G.	
			4.50	358.41	N.E. Cor	" "	" "	
			6.30	356.61	S.W. Cor	Chamounix Ave	" "	
			7.00	355.91	S.E. Cor	" "	" "	

Levels on El Cajon - Boundary to Euclid

	+	π	−	
		362.91		
			7.65	355.26
			8.23	354.68
T.P.			9.83	353.08
	3.12	356.20	3.50	352.70
			3.90	352.30
			0.55	355.65
			5.38	350.82
			No Curb	
			" "	
T.P.			8.89	347.31
	4.56	351.87	4.72	347.15
			6.80	345.07
			No Curb	
			4.00	347.87

9-9-23
Ellis
Walker
Preston

156' East of orchard line

East curb 156 to 200 = 44' of curb to be removed

Replace Returns NE & NW of Monte Vista Ave.

N.W. Cor Monte Vista Ave — Return in N.G.

N.E. Cor " " " " " "

S.W. Cor Mentone & El Cajon — Return in N.G.

S.E. Cor Curb East of a point 96' East of Mentone N.G.

On Curb 96' East of Mentone

S.W. Cor Menlo & El Cajon — Return in N.G.

S.E. Cor curb in 133' East from S.E. Cor Menlo N.G. (Replaced)

N.W. Cor " " " "

N.E. Cor " " " "

S.W. Cor Sierra & El Cajon

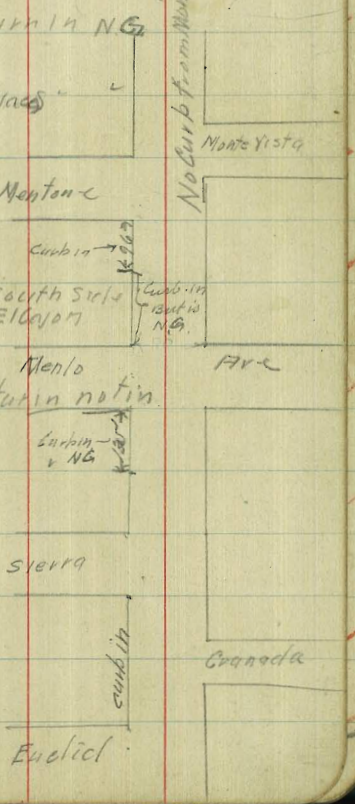
curb in from Sierra to Euclid on South Side of El Cajon

S.E. Cor " " " "

S.W. Cor Euclid & El Cajon — Return in N.G.

N.W. Cor " " " "

N.E. Cor " "



X Sec El Cajon Ave Boundary to Wabash

Sta	+	⊼	−	Elev.
				377.00
	4.4	381.45		
0+00				
0+50				
WPL 3.45 N 1+38.47				
EPL 34 = 1N 1+98.07 0+00				
0+50				
1+00				
1+50				
2+00				
30.7 N 2+46 WPL 8.8				

Grades

10-18-23

10 Grades.

SPL	¼	℄	¼	NPL	Grades.
T.P.B.M.	S.W. Cor.	El Cajon + Boundary			
4.4 377.05 376.4	4.1 377.35	4.0 377.45	4.3 out 4.5 cut 4.1 377.15 76.95	3.8 77.3 377.65	377.7
5.3 76.1 376.	5.0 76.4	4.3 77.15	4.8 4.90 5.2 76.9 76.6 77.1	3.9 77.5	377.3
5.5 375.95 375.2	5.5 375.95	4.9 376.5	5.1 5.4 4.6 76.4 76. 76.8	4.4 377.0	376.5
5.9 375.55 374.7	6.2 375.2	5.4 376.	5.6 6.0 5.2 76.2 76.8 375.4	5.1 76.3	376.2
6.4 75. 374.3	6.3 75.1	6.0 375.4	6.6 74.8 6.7 74.7 6.0 75.4	5.6 75.8	375.7
7.0 374.4 373.8	6.9 74.5	6.6 74.8	6.9 74.5 7.2 74.2 6.9 74.7 75.	6.4 75.	375.1
7.2 374.2 373.4	7.4 74.	7.2 74.2	7.7 73.7 7.8 73.9 6.9 74.5	7.1 74.3	374.6
8.3 373.1 372.9	8.0 73.4	7.7 73.7	7.9 73.5 8.2 73.2 7.5 73.9	7.3 374.1	374.0
8.8 372.65 372.5	8.4 373.05	8.4 373.05	8.4 7.3 8.6 72.8 7.3 73.4	7.8 373.65	373.5

X Sec Elkhorn, Boundary to Wabash

All Dist. From ℄ 10-18-23

11

Sta	+	℄	—	Elev	SPL	4	℄	½ cut Curb	NPL	
3+06.88					10.3	10.4	9.8	9.3 9.6 8.9	8.3	
EPT	5.35	381.45			371.15	71.05	71.95	72.15 71.85 72.55	373.15	372.7
0+00 35+N					372.					
T.P.			9.30	372.15						
	7.32	379.47								
	5.35				9.4	9.2	7.8	7.7 8.1 7.3 72.2	6.7	
0+50					370.07	70.2	71.7	71.8 71.4	372.77	372.3 Break 96'
.56 = Break in grade West of Boundary					371.5 371.4					371.9
					11.1	10.4	8.0	7.7 8.6 7.7 71.8	7.3	
1+00 = 4' East of break.					368.37	69.1	71.5	71.8 70.9	372.2	4' E of Break
					371.5					371.9
					9.5	9.3 9.1 7.7	7.7	7.6 8.2 7.4	7.0	
1+50					369.97	70.2 70.4 71.37	71.8	71.9 74.3 72. 3	72.5	
					371.8					372.7
					8.0	8.1	7.1	7.5 7.8 6.9	6.6	
2+00					371.47	71.4	72.4	72. 71.7 72.6	372.87	
					372.1					372.6
					7.2	6.8	6.8	7.1 7.3 6.5	6.3	
2+50					372.3	72.7	72.7	72.4 72.2 73.	373.17	
					372.5					372.8
					7.0	6.8	6.8	6.7 6.9 6.1	6.1	
3+00					372.47	72.7	73.	72.8 72.6 73.4	73.4	
					372.8					373.1
					6.7	6.7	6.1	6.4 6.0 5.7	5.4	
3+50					372.8	72.8	73.4	73.07 72.97	73.8 374.07	
					373.7					373.3

XSec El Cajon Boundary to Wabash

10-18-23

17

Sta	+	T	−	Elev	S.P.L.	℄	℄	¼ cut	¼ cut	N.P.L.	
					4.5	6.2	5.7	5.9	6.1 5.3	5.1	
4+00		379.43			372.97	73.3	73.8	73.6	73.4 74.7	374.37	✓
					373.5						373.6 ✓
					6.0	5.9	5.1	5.0	5.5 4.7	4.3	
4+96	W.S.P.L.	15 ft N	Sissions South		373.47	73.6	74.4	74.5	74. 74.8	375.17	✓ 374.2
					374.7						374.7
5+76					5.9	5.5	4.5	4.4	5.0 4.3	3.6	
0+00	EPL 1-5 ft N		Sissions South		373.6	74.	75.	75.	74.5 75.2	375.87	✓
					374.5 ✓						375.2 ✓
					5.6	5.5	4.5	4.3	4.5 4.0	3.9	
0+50					73.9	74.	75	75.2	75. 75.5	375.57	✓
					374.7						375.40
					5.3	5.2	4.2	4.2	4.3 3.8	3.7	
1+00					374.17	74.3	75.3	75.3	75. 75.7	375.77	✓
					374.9						375.6 ✓
					4.3	5.2	3.9	3.8	4.2 3.9	3.2	
1+50					374.57	74.2	75.57	75.6	75.2 76.1	376.27	✓
					375.1						375.8 ✓
					3.7	4.7	3.6	3.7	4.1 3.1	2.7	
2+00					375.77	74.77	75.87	75.77	75.3 76.3	376.77	✓
					375.3						376.1 ✓
					3.9	4.3	3.0	3.1	3.6 3.1	2.5	
2+65	WPL. Prospect on N		Wabash South		375.57	75.17	76.47	76.4	75.9 76.8	376.97	✓
					375.6 ✓						376.4 ✓
T.P.	NW Cor El Cajon Wabash		2.67	376.80							

X See Elcajon Reed to Colonial

Sta	+	π	−	Elev
				372.29
0+50	2.51	374.80		
1+00				
01+36 16	WPL	Thomas	South	
1+76 16 0+06	EPL	Thomas	South	
0+50				
0+84 84	WPL	Thomas	North	
1+44 84 0+06	EPL	Thomas	North	
1+94.84 0+50				
1+00				

10-19-13

Ellis Walker Page 6 of 6 Cut Curb

SPL	4	℄	NPL
N.E.C. Reed			
3.0 / 371.8	3.7 / 371.1	2.8 / 372.0	3.5 / 371.3
372.2			
3.2 / 371.6	4.2 / 370.6	3.1 / 371.7	3.4 / 371.4
372			
3.4 / 371.4	3.7 / 371.1	3.3 / 371.5	4.1 / 370.7
372			
3.7 / 371.1	4.4 / 370.4	3.8 / 371.0	4.4 / 370.4
371.8			
4.3 / 370.5	5.2 / 369.6	4.3 / 370.5	4.6 / 370.2
371.3			
4.6 / 370.2	5.4 / 369.4	4.6 / 370.2	5.4 / 369.4
371			
4.1 / 370.7	5.6 / 369.2	5.1 / 369.7	6.0 / 368.8
370.5			
5.4 / 369.4	6.0 / 368.8	5.3 / 369.5	6.2 / 368.6
370			
4.4 / 370.4	6.4 / 368.4	5.8 / 369.0	6.6 / 368.2
369.6			

13

372.7
372
371.3
370.9
370.4
369.7
369.4
369
368.5
368.0

XSec ElCajon Reed St Colonial

Sta	+	X	−	Elev
1+50		374.80		
2+00				
2+50	W.P.L. Daley North			
T.P.			3.33	367.07
	4.00	371.07		
2+87	W.P.L Rexmore Drive South			
3+10	E.P.L. Daley North			
3+27				
0+00	E.P.L. Rexmore South			
0+50				
1+00				
1+50				

Ellis
Walker
Preston
Dykel

10-19-73

14

Sta	℄PL	¼	℄	Curb	Curb	℄PL
1+50	6.7 / 368.4	6.3 / 368.8	6.3 / 368.8	7.8 / 367.0	8.4 7.7 / 366.4 367.1	6.9 / 367.9
	369.1					367.6
2+00	5.0 / 369.8	5.5 / 369.3	6.7 / 368.1	8.0 / 366.8	8.8 8.1 / 366.0 366.9	7.7 / 367.1
	368.7					367.1
2+50	7.2 / 367.6	8.3 / 366.5	7.3 / 367.5	8.2 / 366.6	9.4 8.6 / 365.4 366.2	8.3 / 366.0
T.P.	368.3	T.P.B.M. N.W. Cor. Rexmore & ElCajon				366.7
2+87	4.0 / 367.1	4.4 / 366.7	3.8 / 367.3	4.4 / 366.7		5.1 / 366.0
	367.7					366.6
3+10	4.8 / 366.6	4.4 / 366.7	4.0 / 367.1	5.1 / 366.0	5.9 5.0 / 365.2 366.1	5.6 / 366.1
3+27	367.6					366.5
0+00	4.4 / 366.7	4.8 / 366.3	4.0 / 367.1	5.2 / 366.9	5.6 5.1 / 365.9 366.0	4.6 / 366.5
	367.4					366.4
0+50	4.1 / 367.0	4.8 / 366.3	4.2 / 366.9	5.3 / 365.8	5.8 5.3 / 365.3 365.8	5.0 / 366.1
	367					366.3
1+00	4.7 / 366.4	5.1 / 366.0	4.3 / 366.8	5.4 / 365.7	6.0 5.3 / 365.1 365.8	5.0 / 366.1
	366.8					366.3
1+50	5.2 / 365.9	5.3 / 365.8	4.3 / 366.8	5.3 / 365.8	6.0 5.3 / 365.1 365.8	5.1 / 366.0
	366.4					366.7

Sta	XSec +	El Cajon π	Reed −	Colonial Elev	SPL	¼	℄	Ellis Walker Reston Dibel ¼ Cut Curb	NPL	10-19-22 15
2+00		371.09			5.0 / 366.1	4.8 / 366.3	4.4 / 366.7	5.3 / 365.8 · 6.0 / 365.1 · 5.3 / 365.8	4.8 / 366.3	✓
					366.1					366.1
2+48 80	WPL	4th St	South		5.1 / 366.0	5.2 / 365.9	4.4 / 366.7	5.1 / 366.0 · 6.1 / 365.0 · 5.3 / 365.8	5.0 / 366.1	✓
					365.9 ✓					366.1 ✓
3+28					5.4 / 365.7	5.4 / 365.7	4.7 / 366.4	5.5 / 365.6 · 6.6 / 364.5 · 5.0 / 366.1	5.0 / 366.1	✓
0+08	EPL	4th St								
					365.6 ✓					366.5 ✓
0+50					6.0 / 365.1	5.8 / 365.3	5.0 / 366.1	5.9 / 365.2 · 6.4 / 364.7 · 5.4 / 365.7	5.7 / 365.4	✓
					365.4					✓ 366.2 ✓
1+00					5.1 / 366.0	6.2 / 364.9	5.3 / 365.8	6.1 / 365.0 · 6.8 / 364.3 · 5.8 / 365.3	5.5 / 365.6	
					365.7					366. ✓
1+25	West Alley Line	cent on North side Ends at this Sta. 4th & Central			6.0 / 365.1	6.2 / 364.9	5.3 / 365.8	5.9 / 365.2 · 6.7 / 364.4 · 5.8 / 365.3	5.7 / 365.4	✓
					365.1					365.8 ✓
1+50					5.9 / 365.2	6.3 / 364.8	5.4 / 365.7	7.1 / 364.0	6.4 / 364.7	✓
					365.					365.7
2+00					6.5 / 364.6	6.6 / 364.5	5.7 / 365.4	7.2 / 363.9	6.5 / 364.6	✓
					364.8					365.5
2+65	WPL	of Central			6.6 / 364.8	6.6 / 364.5	5.8 / 365.3	4.9 / 364.2	6.6 / 364.5	✓
					364.6 ✓					365.2 ✓

X See Elcajon Reed – Colonial

Sta	+	π	–	Elev	S.P.L.	¼	℄	¼	Ellis Walker Preston D.bel N.P.L.	
		371.07								
T.P.			7.04	364.03	A.W.Co. Central & Elcajon					
	4.97	369.00								
3+25					4.8	4.6	3.9	5.1	4.6	
0+00	E.P.L. of Central				364.1	364.4	365.1	363.9	364.4	✓
					364.6					365.1 ✓
0+50					4.8	4.9	4.0	5.2	4.6	
					364.2	364.1	365.0	363.8	364.4	✓
					364.5					365. ✓
1+00					5.6	5.0	4.0	5.5	4.6	
					364.0	364.0	365.0	363.5	364.4	✓
					364.4					364.9 ✓
1+50					5.0	5.0	3.9	6.5	4.6	
					364.0	364.0	365.1	363.5	364.4	✓
					364.4					364.9 ✓
2+00					5.2	4.7	4.1	5.9	4.7	
					363.8	364.3	364.9	363.1	364.3	✓
					364.3					364.8 ✓
2+65	W.P.L. Conklin				5.2	5.1	4.2	5.2	4.8	
					363.8	363.9	364.8	363.8	364.2	✓
					364.3 ✓					364.8 ✓
3+25					5.1	5.0	4.1	5.4	5.1	
0+00	E.P.L. Conklin South				363.9	364.0	364.9	363.6	363.9	✓
					364.3 ✓					364.6 ✓
0+50					4.8	4.8	4.5	6.0	4.7	
					365.2	365.2	364.5	363.0	364.3	✓
					364.4					364.8 ✓

X Sec El Cajon Reed to Colonial

Sta	+	℄	−	Elev	SPL	¼	℄	¼	Ellis Walker Preston Pipe N.P.L.	10-19-23
										17
14+00		369.00			5.5 / 363.5	4.9 / 364.1	4.3 / 364.7	5.7 / 363.3	5.2 / 363.8	✓
					364.6					364.9 ℄
14+50					5.3 / 363.7	4.6 / 364.4	4.2 / 364.8	5.7 / 363.3	4.7 / 364.3	✓
					364.7					365.2 ℄
2+00					3.7 / 365.3	5.2 / 363.8	4.1 / 364.9	4.8 / 364.2	4.4 / 364.6	✓
					364.9					365.3 ℄
2+65	W.P.L. Stockton				4.3 / 364.7	4.6 / 364.4	4.0 / 365.0	4.8 / 364.2	3.9 / 365.1	✓
					365.1 ✓					365.6 ✓
T.P.			4.47	364.53	S.W.Co. Stockton + El Cajon.					
37+25	4.04	368.57								
6+00	E.P.L. Stockton				4.4 / 364.2	4.6 / 364.0	3.5 / 365.1	4.6 / 364.0	4.2 / 364.4	✓
					364.9 ✓					365.4 ✓
0+50					4.8 / 363.8	4.2 / 364.4	3.6 / 365.0	3.4 / 365.2	4.0 / 364.6	✓
					364.8					365.2 —
7+00					4.6 / 364.0	4.9 / 363.7	3.8 / 364.8	5.3 / 363.3	4.5 / 364.1	✓
					364.6					365. —
14+50					5.1 / 363.5	5.2 / 363.4	3.8 / 364.8	5.5 / 363.1	4.7 / 363.9	✓
					364.5					364.8 —

X Sec ElCajon Reed to Colonial

Sta	+	π	−	Elev	SPL	¼	C	¼	Ellis Walker Property Dibel NPL	10-19-73
										18
2+00		368.57			5.2 / 363.4	4.3 / 364.3	3.9 / 364.7	4.8 / 363.7	4.7 / 363.9	✓
					364.3					364.6
2+65	WPL 5th St.				5.4 / 363.2	4.9 / 363.7	4.1 / 364.5	5.4 / 363.2	4.6 / 364.0	✓
					364.7 ✓					364.4 ✓
3+45										
0400	EPL of 5th				5.1 / 363.5	5.0 / 363.6	4.0 / 364.6	4.9 / 363.7	4.8 / 363.8	✓
					363.9 ✓					364.0 ✓
0450					4.5 / 364.1	4.8 / 363.8	3.9 / 364.7	5.3 / 363.3	4.8 / 363.8	✓
					363.7					363.9
1+00					4.8 / 363.8	4.8 / 363.8	4.0 / 364.0	5.5 / 363.1	3.7 / 364.7	✓
					363.5					363.8
1+50					4.8 / 363.8	4.5 / 364.1	4.0 / 364.0	6.1 / 362.5	4.7 / 363.9	✓
					363.4					363.7
2+00					4.7 / 364.2	4.8 / 363.8	4.0 / 364.0	4.9 / 363.7	3.9 / 364.7	✓
					363.7					363.6
2+65	WPL Copeland				5.5 / 363.1	5.0 / 363.6	4.0 / 364.0	5.8 / 362.8	5.1 / 363.5	✓
					363 ✓					363.5
T.P.			6.19	362.38	SW Cor Copeland & ElCajon					
	7.13	369.51								

X Sec El Cajon to Reed to Colonial

All Dist. From. ℄

10-20-73

Sta	+	X	−	Elev	SPL.	℄	E	¼	NPL	19
		3695								
3+20 0+00	EPL Copeland				6.7 3628	5.8 364.0	5.0 364.9	+18.0 5.1 364.9 +26.0 2.9 361.6 +32.0 4.3 365.2 +38.0 3.8 363.7 6.2 363.3		✓
					363. ✓					363.7 ✓
0+50					5.2 364.3	5.9 363.6	5.1 364.4	+18.0 5.4 364.1 +26.0 8.0 361.5 +32.0 5.2 364.3	5.9 363.6	✓
					363.					363.8
1+00					5.6 363.9	4.1 363.4	5.1 364.4	+18.0 5.7 363.8 +26.0 8.0 361.5 +32.0 5.5 364.0	6.6 362.9	✓
					363.1					364.
1+50					5.1 364.4	4.1 363.4	5.10 364.3	+18.0 5.0 364.4 +26 2.8 361.7 +32.0 4.3 365.2	4.8 364.7	✓
					363.2					364.2
2+00					4.7 364.8	5.2 364.3	5.0 364.5	+18.0 5.1 364.4 +26.0 7.8 361.7 +32.0 5.2 364.3	5.2 364.3	✓
					363.3					364.4
2+65	NPL Van Dyke				5.8 363.7	5.1 364.4	4.7 364.8	+18.0 4.5 364.0 +26.0 7.7 361.8 +32.0 5.0 364.5	5.0 364.5	✓
3+25					363.4 ✓					364.6 ✓
0+00	EPL Van Dyke				5.5 364.0	5.2 364.3	4.7 364.8	+23.0 5.1 +26.0 2.8 361.7 +32.0 5.2 364.3	5.3 364.2	✓
					362.9 ✓					364.1 ✓
0+50					5.3 364.2	5.3 364.2	5.1 364.4	+22.0 4.9 364.6 +28.0 8.1 361.4 +33.0 4.9 364.6	5.5 364.0	✓
					363.3					
0+82.5 = Break. 1+00					363.6 5.8 363.7	5.4 363.8	4.2 363.3	+22.0 4.9 363.6 +28.0 8.0 361.5 +33.0 6.4 357.1	6.4 363.1	363.5 ✓
					363.7					363.0
1+32.5 ℄ alley					362.9					362.6

XSec El Cajon Reed to Colonial

Sta	+	π	−	Elev	
1+50		349.51			1+50
1+82.5	Break.	South.			1+87.5
2+00					
2+65	W.P.L. Party				
T.P.			11.32	357.79	
	0.76	358.55			
3+25					
0+00	E.P.L. Party				
0+50					
1+00					
1+32.5 =	alley ℄				alley
1+50					
2+00					

E111s Walker Realty pibel

10-20-23

	S.P.L.	℄	℄	¼	N.P.L.	
	6.6	6.0	7.6	7.4	7.6	20
	362.9	363.0	361.9	362.1	361.9	✓361.9
	−362.3					
	−361.63					
	7.8	9.3	9.4	8.8	8.9	✓
	361.7	359.2	359.1	360.7	360.6	
	360.8					360
	11.4	11.1	11.5	11.2	11.5	✓
	355.1	355.4	355.0	355.3	355.0	
	357.6 ✓					357.3
	1.7	2.7	2.4	3.1	2.7	✓
	356.8	355.8	356.1	355.4	352.8	
	357.1 ✓					356.1 ✓
	3.6	3.0	4.2	6.0	5.7	✓
	354.9	356.2	354.3	352.5	352.8	
	355.3					354.5
	6.6	5.6	5.4	6.9	5.8	
	352.5	352.9	353.1	351.6	350.7	✓353
	353.5					alley - 352
	352.4					
	6.8	5.7	6.0	7.2	7.9	✓
	357.7	354.8	352.5	357.3	350.6	
	352-3					351.8
	7.2	6.4	6.3	7.1	7.0	✓
	351.3	352.1	352.2	351.4	351.0	
	352-1					351.5

X Sec El Cajon to Colonial

Sta	+	X	−	Elev
2+65	W.P.L. Fairmont	358.55		
T.P.			6.50	352.05
	6.35	358.40		
3+25				
0+00	E.P.L. Fairmount			
0+50				
1+00				
1+27.52	W.P.L. Orangewood North			
1+87.52 (27)	E.P.L. Orangewood North			
2+00				
2+50				

SPL	¼	℄	¼	Ell.3 W.P.L. 10' ext. Dbl N.P.L.
6.2 / 352.3	4.4 / 352.1	6.3 / 352.2	7.3 / 351.2	7.4 / 351.1
351.9		120'		

		80'		
5.6 / 352.8	4.6 / 351.8	4.4 / 352.0	6.5 / 351.9	7.1 / 351.3
351.9				
0.6 / 352.8	6.0 / 352.4	6.5 / 351.9	6.6 / 351.8	6.7 / 351.7
352.4				
5.3 / 353.1	5.5 / 352.9	4.2 / 352.2	6.2 / 352.2	6.2 / 352.2
352.9				
5.1 / 353.3	5.0 / 353.4	5.6 / 352.8	5.8 / 352.6	5.9 / 352.5
353.2				
4.6 / 353.8	4.5 / 353.9	5.1 / 353.3	5.3 / 353.1	4.8 / 353.6
353.8				
4.4 / 354.0	4.3 / 354.1	5.2 / 353.2	5.1 / 353.3	4.6 / 353.8
353.9				
3.9 / 354.0	3.5 / 354.9	4.2 / 354.2	4.4 / 354.0	4.1 / 354.3
354.4				

10-20-23

21

351.1

3

351.2

351.7

352.7

352.5

353.2

353.3

353.8

X Sec El Cajon Reed to Colonial

Sta	+	−	Elev
2+70	WPL Colonial. South 358.40		
T.P.		3.61	354.79

SPL	½	℄	¼	Ellis Walker Preston Bibel N.P.L.	10-20-23
39	3.4	4.0	4.4	3.8	2.2
3545	355.0	354.4	354.3	354.6	℄
354.7		80'			354.0

S.W. Colonial & El Cajon

X Sec Monroe EPL 5th to 4th W of W PL

5+9	+	X	−	Elev
				368.23
	5.64	373.87		
0+00	EPL 5th St.		South	
				368.23
T.P.	5.42	373.65		
0+80	W.P.L. 5th St.		South	
1+00				
1+20	E.P.L. Edgeware		North	
1+50				
1+80	W.P.L Edgeware		North	
2+00				
2+50				

Central

Ellis Preston Walker Bibel

10-21-23

SPL.	Curb Cut	½	℄	½ Cut	Curb	N.P.L.
						33
7.1 / 366.8	7.6 / 366.3	8.1 / 365.8	8.3 / 366	8.5 / 365.4	8.9 / 365.9	7.7 / 366.2
367.8						
S.W.C. 5th St. & Monroe						365.6
5.3 / 368.4	5.4 / 368.3	6.0 / 367.7	5.9 / 367.8	5.9 / 367.8	6.3 / 367.4	6.6 / 367.1
368.2						367.
4.7 / 369.0	5.6 / 368.1		5.6 / 368.1	5.8 / 367.9	6.1 / 367.6	5.7 / 368.0
368.2						367.3
4.5 / 369.2	5.5 / 368.2		5.4 / 368.3	5.7 / 368.0	5.9 / 367.8	5.3 / 368.4
368.3						367.7
4.6 / 369.1	5.2 / 368.5		5.1 / 368.6	5.1 / 368.6		5.1 / 368.6
368.4						368.2
4.6 / 369.1	5.0 / 368.7		4.9 / 368.8	5.4 / 368.3	5.5 / 368.2	5.1 / 368.6
368.4						368.4
4.6 / 369.1	5.1 / 368.6		5.0 / 368.7	5.4 / 368.3	5.4 / 368.3	5.0 / 368.7
368.4						368.5
5.0 / 368.7	5.2 / 368.5		5.0 / 368.7	5.4 / 368.3	5.4 / 368.3	4.8 / 368.9
368.6						368.7

4.4 / 369.3

Sta	+	Elev	—	Elev
3+00		379.65		
3+45	E.P.L.	Stockton South		
0+00	W.P.L.	Stockton South		
0+28	E.P.L.	Marlborough North		
0+50				
0+88	W.P.L.	Marlborough North		
1+00				
1+50				
2+00				

Ellis Wallace Photo for Dibert

10-21-23

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E.P.L.	Centerline	℄	1' Left of ℄	N.P.L.	
4.8	5.1	4.9	5.1 5.2 4.3	4.5	369.
368.9	368.6	368.8	368.6 368.5 369.0	369.2	
368.7					369.2
4.6	5.1	4.6	5.0 5.2 4.3	4.1	
369.1	368.6	369.1	368.7 368.5 369.3	369.6	
368.9					369.5
4.6	4.8	4.2	4.6 4.8 4.0	3.8	
369.1	368.9	369.5	369.1 368.9 369.7	369.9	
369.1					369.7
4.4	4.6	4.1	4.6 4.3 3.8	3.6	
369.3	369.1	369.6	369.1 369.4 369.9	370.1	
369.0					369.7
4.3	4.4	4.0	4.0	4.0	
369.4	369.3	369.7	369.7	369.7	
369					369.7
4.4	4.4	4.1	4.4 4.4 3.7	3.9	
369.3	369.3	369.6	369.3 369.3 370.0	369.8	
369.					369.7
4.2	4.3	4.2	4.6 4.6 3.7	4.1	
369.3	369.4	369.5	369.1 369.1 370.0	369.6	
369.1					369.7
3.8	4.1	3.8	4.0 4.3 3.5	3.7	
370.2	369.6	369.9	369.7 369.4 370.2	370.0	
369.1					369.8
3.8	4.1	3.6	3.9 4.1 3.7	3.7	
369.9	369.6	370.1	369.8 369.6 370.2	370.0	
369.2					369.9

X Sec Monroe from EPL 5th St. to 78' W of W.P.L. & Centerline

Sta	+	X	—	Elv
2+50		373.65		
2+65	E.P.L. Conklin South			
T.P.			4.56	369.09
	2.91	372.00		
0+00	W.P.L Conklin South			
0+20	E.P.L Kensington North			
0+50				
0+80	W.P.L Kensington North			
1+00				
1+50				
2+00				

SPL	Curb Cut ¼	℄	¼ Cut Curb	NPL
3.8 / 369.9	4.1 / 369.6	3.7 / 370.0	4.0 4.3 3.4 / 369.7 369.7 370.3	3.4 / 370.3
369.3				370.
4.3 / 369.4	4.3 / 369.4	3.6 / 370.1	3.8 4.2 3.3 / 369.9 369.5 370.4	3.3 / 370.4
369.3				370.1
2.9 / 368.1	2.5 / 369.5	2.8 / 370.0	2.2 2.3 1.6 / 369.8 369.7 370.4	1.2 / 370.8
369				370.2
2.8 / 369.2	2.5 / 369.5	2.1 / 369.9	2.1 2.2 1.6 / 369.9 369.8 370.4	1.2 / 370.8
369.				370.3
3.4 / 368.4	2.8 / 369.2	2.2 / 369.8	2.0 / 370.0	2.0 / 370.0
369.				369.9
4.0 / 368.0	2.8 / 369.2	2.4 / 369.6	2.4 2.2 2.2 / 369.6 369.3 369.8	2.0 / 370.0
369.1				369.6
4.2 / 367.8	2.8 / 369.2	2.3 / 369.9	2.6 2.8 2.2 / 369.4 369.2 369.8	2.8 / 369.2
369.1				369.6
3.9 / 368.1	2.8 / 369.2	2.7 / 369.3	2.2 3.3 2.3 / 369.3 368.7 369.7	2.8 / 369.2
369.2				369.4
4.3 / 367.7	3.1 / 368.9	2.4 / 369.6	2.2 3.0 2.4 / 369.4 369.0 369.8	3.2 / 368.8
369.3				369.7

Ellis Waldron Preston Dibel

10-21-23

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X Sec Monroe from 5+50 to 0+78 West of WPL & Centerline

Sta	+	X	—	Elev
2+50		372.00		
2+65	EPL Central		South	
0+00	WPL Central		South	
0+08	EPL Terrace		North.	
0+50				
0+78				

SPL	Curb Cut ½	℄	¼ Cut. Curb	NPL	10-21-23
4.5 / 367.5	3.0 / 369.0	2.7 / 369.6	2.3 / 2.8 / 2.1 / 369.5 369.2 369.9	3.0 / 369.0	96
369.4					369.7
4.4 / 367.6	3.3 / 368.7	2.7 / 369.6	2.4 / 2.7 / 2.1 / 369.6 369.3 369.9	1.6 / 369.4	
369.4					369.7
4.7 / 367.3	3.2 / 368.8	2.6 / 369.4	2.5 / 2.5 / 2.1 / 369.5 369.5 369.9	2.3 / 369.7	
369.6					369.7
4.5 / 367.5	3.0 / 369.0	2.3 / 369.7	2.5 / 2.5 / 2.1 / 369.5 369.5 369.9	1.8 / 370.2	
369.6			2.0 / 370.0		369.7
4.3 / 367.7	3.2 / 368.8	2.3 / 369.7	2.0 / 370.0	2.3 / 369.7	
369.9					369.7
3.8 / 368.2	3.2 / 368.8	2.3 / 369.7	2.2 / 369.8	2.8 / 369.2	
370					369.7

X Sec Stockton from El Cajon to Murroc

Files Winter Preston Pibal

Sta	+	X	—	Elev	W.P.L.	Curb Cut ℄	℄	½ Cut Curb	E.P.L.
				366.05	N.W. Cor. Stockton & Olive				
	4.93	37.988							
0+00	N.P.L. El Cajon				5.3 / 365.7	5.4 5.8 5.7 / 365.2 365.3	5.6 / 365.4	5.8 6.1 5.6 / 365.2 364.8 365.4	6.1 / 364.9
0+50					5.2 / 365.8	5.3 6.1 5.8 / 365.7 364.9 365.2	5.6 / 365.4	6.0 6.3 5.7 / 365.0 364.7 365.3	5.5 / 365.5
1+00					5.4 / 365.6	5.4 6.0 5.7 / 365.6 365.0 365.3	5.3 / 365.7	5.9 6.2 5.6 / 365.1 364.8 365.4	5.3 / 365.5
1+50					5.1 / 365.9	5.4 5.9 5.6 / 365.6 365.1 365.4	5.1 / 365.9	5.9 6.3 5.5 / 365.1 364.7 365.5	5.2 / 365.8
2+00					5.4 / 365.6	5.3 6.0 5.6 / 365.7 365.0 365.4	5.1 / 365.9	5.7 6.0 5.5 / 365.3 365.0 365.5	5.3 / 365.7
2+50					5.2 / 365.8	5.2 5.7 5.4 / 365.8 365.3 365.6	5.1 / 365.9	5.8 6.0 5.4 / 365.2 365.0 365.6	5.4 / 365.6
3+00					5.3 / 365.7	5.2 5.8 5.4 / 365.8 365.2 365.6	5.1 / 365.9	5.6 6.0 5.4 / 365.4 365.0 365.6	5.3 / 365.7
3+50					5.0 / 366.0	5.1 5.7 5.4 / 365.9 365.3 365.6	5.1 / 365.9	5.7 5.9 5.4 / 365.3 365.1 365.6	5.4 / 365.6

X Sec Stockton Elcajon to Manlock

Sta	+	X	−	Elev
4+00		370.98		
4+50				
5+00				
5+50				
6+?	SPL Olive			
T.P.			4.93	366.05
	5.29	371.34		
0+00	NPL Olive			
0+50				
1+00				
1+50				

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Preston
Dibel

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W P.L	Curb Grat 1/4	℄	1/4 Cut Curb	E P.L.
4.7 / 366.3	4.9 / 366.1 · 5.5 / 365.5 · 5.3 / 365.7	4.9 / 366.1	5.5 / 365.0 · 5.2 / 360.7 · 5.2 / 366.8	5.7 / 365.3
4.8 / 366.1	4.9 / 366.1 · 5.2 / 365.8 · 5.3 / 365.7	4.9 / 366.1	5.6 / 365.4 · 5.8 / 365.2 · 5.1 / 365.9	5.0 / 366.0
4.7 / 366.3	4.9 / 366.1 · 5.5 / 365.5 · 5.3 / 365.7	4.9 / 366.1	5.7 / 365.6 · 5.7 / 365.3 · 5.1 / 365.9	5.1 / 365.9
4.6 / 366.4	4.7 / 366.3 · 5.4 / 365.6 · 5.2 / 365.8	4.7 / 366.3	5.3 / 365.7 · 5.6 / 365.4 · 5.0 / 366.0	5.2 / 365.8
4.6 / 366.4	4.8 / 366.2 · 5.4 / 365.6 · 5.4 / 365.8	5.0 / 366.0	5.7 / 365.7 · 5.6 / 365.4 · 5.0 / 366.0	5.3 / 365.7
5.1 / 366.2	5.3 / 366.0 · 5.6 / 365.7 · 5.6 / 365.7	5.5 / 365.8	5.8 / 365.5 · 5.9 / 365.6 · 5.3 / 366.0	5.3 / 366.0
4.9 / 366.4	5.1 / 366.2 · 5.8 / 365.5 · 5.6 / 365.7	5.3 / 366.0	5.7 / 365.6 · 5.9 / 365.4 · 5.1 / 366.2	5.5 / 365.8
5.4 / 365.9	4.9 / 366.4 · 5.6 / 365.7 · 5.4 / 365.9	5.1 / 366.2	5.8 / 366.0 · 5.6 / 365.7 · 4.8 / 366.5	4.3 / 367.0
5.4 / 365.9	4.6 / 366.7 · 5.3 / 366.0 · 5.3 / 366.0	4.9 / 366.4	5.1 / 366.2 · 5.4 / 365.9 · 4.3 / 366.8	4.3 / 366.8

XSec Stockton El Cajon & Monroe

Ellis Walker Prestan Dibe

10-21-23

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Sta	+	℄	−	Elev	℄ P.L	Curb Cut 4	℄	¼ Cut Curb	℄ P.L.
2+00		371.34			4.4 3669	4.3 5.0 4.8 3670 3663 3665	4.6 3667	4.9 5.1 4.2 3664 3662 3671	4.2 3671
2+50					3.8 3675	4.1 4.7 4.6 3666 3664 3667	4.3 3678	4.7 5.2 4.1 3666 3664 3672	4.6 3667
3+00					3.8 3675	3.8 4.6 4.7 3670 3671	3.8 3675	4.5 4.6 3.8 3668 3667 3675	3.8 3675
3+50					3.8 3675	3.7 4.4 4.0 3676 3669 3673	3.9 3674	4.3 4.4 3.7 3670 3668 3676	3.5 3678
4+00					2.8 3684	3.2 4.0 3.8 3681 3673 3680	3.6 3675	4.0 4.7 3.4 3673 3669 3679	3.5 3678
4+50					2.9 3684	3.1 3.6 3682 3677 3677	3.2 3681	3.6 3.9 3.2 3677 3674 3681	3.4 3679
5+00					2.4 3689	2.9 3.3 3.4 4	3.0 3683	3.3 3.5 2.9 3680 3678 3684	2.5 3688
5+56					2.5 3688	2.5 3.1 3.0 3688 3682 3683	2.6 3681	3.0 3.2 2.6 3683 3681 3687	2.6 3687
5+71	S.P.L Monroe				2.4 3689	2.4 2.6 2.9 3689 3681 3684	2.4 3689	3.0 3.0 2.5 3683 3683 3688	2.5 3688

X Sec Conklin El Cajon to Monroe

Sta	+	x	−	Elev
				366.05
	6.98	37303		
0+00	N.P.L. El Cajon			
0+50				
1+00				
1+50				
2+00				
2+50				
3+00				
3+50				

Ellis Walker Prest'n Rigsby

10-22-73

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W.P.L. Curb Cut ℄ ℄ ℄ Cut Curb E.P.L.

NWC. Stockton Olive

60'

8.3 / 364.7	8.5 / 364.8	9.0 / 364.0	8.6 / 364.4	8.3 / 364.8	8.2 / 364.8	8.6 / 364.4
8.3 / 364.7	8.5 / 364.8	9.1 / 363.9	8.7 / 364.3	8.0 / 365.0	8.0 / 365.0	8.4 / 364.6
8.1 / 364.9	8.4 / 364.6	9.0 / 364.0	8.7 / 364.3	8.1 / 364.9	8.4 / 364.6	8.6 / 364.4
7.9 / 366.1	8.2 / 364.8	8.9 / 364.1	8.4 / 364.6	7.4 / 365.6	8.3 / 364.7	8.5 / 364.5
7.8 / 365.2	8.1 / 364.9	8.9 / 364.1	8.4 / 364.6	7.8 / 363.7	8.0 / 365.0	7.6 / 365.4
7.7 / 365.3	8.8 / 364.2	8.2 / 364.8	7.4 / 365.6	7.3 / 365.7	7.7 / 365.3	8.1 / 364.9
7.6 / 365.4	7.7 / 365.3	8.4 / 364.6	8.2 / 364.8	7.7 / 365.6	7.0 / 366.0	7.3 / 365.7
7.1 / 365.9	7.5 / 365.8	8.0 / 365.0	7.8 / 365.2	6.9 / 366.1	7.2 / 365.8	6.3 / 366.7

Ellis Walker Preston

10-22-73

3.1

X Sec Control in El Cajon to Monroe

Sta	+	X	−	Elev	WPL	Curb Cut ℄	℄	¼ Cut Curb	EPL
4+00		373.03			6.7 / 366.3	7.2 / 7.7 / 7.3 / 365.8 / 365.3	6.6 / 366.4	7.0 / 7.4 / 6.4 / 365.6 / 366.6	6.6 / 366.4
4+50					6.5 / 367.5	6.7 / 6.4 / 7.0 / 366.3 / 366.6	6.0 / 367.0	6.5 / 6.7 / 5.9 / 366.5 / 366.3 / 367.1	5.9 / 367.1
5+00					5.7 / 367.3	6.2 / 6.9 / 6.5 / 366.8 / 366.1 / 366.5	5.7 / 367.3	6.1 / 6.2 / 5.5 / 366.9 / 366.8 / 367.5	5.5 / 367.5
5+50					5.5 / 367.5	5.6 / 6.4 / 6.2 / 367.4 / 366.6 / 366.8	5.4 / 367.6	5.7 / 5.8 / 5.1 / 367.3 / 367.2 / 367.9	5.2 / 367.8
6+07	SPL Olive				5.1 / 367.9	5.2 / 5.9 / 5.7 / 367.8 / 367.1 / 367.3	5.1 / 367.9	5.4 / 5.5 / 4.8 / 367.6 / 367.5 / 368.2	4.7 / 368.3
0+00	NPL Olive				5.11 / 367.9	5.3 / 5.7 / 5.7 / 367.7 / 366.9 / 367.3	5.3 / 367.7	5.6 / 6.0 / 5.1 / 367.4 / 367.0 / 367.9	5.2 / 367.8
0+50					5.3 / 367.7	5.4 / 6.3 / 6.2 / 367.6 / 366.7 / 366.8	5.4 / 367.6	5.8 / 6.1 / 5.1 / 367.2 / 366.9 / 367.9	5.8 / 367.5
1+00					5.4 / 367.6	5.6 / 6.9 / 5.9 / 367.4 / 366.7 / 367.1	5.4 / 367.6	5.7 / 5.8 / 5.0 / 367.3 / 367.2 / 368.0	4.8 / 368.2
1+50					5.2 / 367.8	5.4 / 6.3 / 6.0 / 367.6 / 366.7 / 367.0	5.3 / 367.7	5.5 / 5.9 / 5.1 / 367.5 / 367.1 / 367.9	5.0 / 368.0

X Sec Conf Rm El Cajon to Monroe

Ellis
Walker
Preston Dibol

10-22-23

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Sta	+	π	−	Elev	WPL.	Curb. Gut ½	&	½ Gut Curb.	EPL
2+00		373.03			5.4 367.6	5.4 367.6 6.3 367.7 5.9 367.1	5.1 367.9	5.6 367.7 6.0 367.0 5.0 368.0	5.1 367.9
2+50					6.0 367.0	5.8 367.7 6.2 368.8 5.8 367.2	5.1 367.9	5.6 367.4 5.9 367.1 5.0 368.0	5.3 367.7
3+00					5.3 367.6	5.2 367.8 6.1 366.9 5.7 367.3	5.0 368.0	5.3 367.7 5.7 367.3 4.8 368.2	5.2 367.8
3+50					5.3 367.7	5.1 367.9 6.1 366.9 5.8 367.2	5.1 367.9	5.3 367.7 5.6 367.4 4.6 368.4	4.9 368.1
4+00					4.8 368.2	5.0 368.0 6.0 367.0 5.7 367.3	5.0 368.0	5.1 367.9 5.3 367.7 4.4 368.6	4.7 368.3
4+50					4.9 368.1	4.9 368.1 5.8 367.2 5.8 367.2	4.8 368.2	4.9 368.1 4.9 368.1 4.2 368.8	4.3 368.7
5+00					4.7 368.3	4.8 368.2 5.6 367.4 5.4 367.6	4.6 368.4	4.7 368.3 5.1 367.9 4.0 369.0	4.2 368.8
5+50					4.1 368.9	4.2 368.8 5.1 367.9 4.8 368.2	4.3 368.7	4.3 368.7 4.6 368.4 3.7 369.3	4.0 368.9
6+??	S.P.L. Monroe				4.1 369.9	4.6 369.0 4.5 368.5 4.6 368.4	3.6 369.4	4.1 368.9 4.2 368.8 3.6 369.4	3.7 369.3

X Sec Central El Cajon to Monroe

Sta	+	=	−	Elev
				366.05
	6.98	373.03		
			3.84	369.19
	2.43	371.62		
0+00				
0+50				
1+00				
1+50				
2+00				
2+50				
3+00				

Ellis Walker Preston Pilot

W.P.L. Curb Cut ¼ ℄ ¼ Cat. Curb. E.P.L.

N.W. Cor Stockton + Olive.

6.4 / 365.2 — 6.4 / 365.2 — 7.0 / 364.6 — 6.6 / 365.8 — 6.3 / 366.3 — 6.6 / 365.0 — 6.9 / 364.7 — 6.4 / 365.2 — 6.5 / 365.1

365.2 — 3651

6.6 / 365.0 — 6.4 / 365.2 — 7.1 / 364.5 — 6.5 / 365.1 — 6.4 / 365.2 — 6.7 / 364.9 — 7.1 / 364.5 — 6.4 / 365.2 — 6.5 / 365.1

6.4 / 365.2 — 6.3 / 366.3 — 7.0 / 364.6 — 6.5 / 365.1 — 6.7 / 365.4 — 6.4 / 365.2 — 6.8 / 364.7 — 6.7 / 364.8 — 6.4 / 365.2

6.0 / 365.6 — 6.1 / 365.5 — 6.8 / 364.8 — 6.3 / 366.3 — 6.1 / 365.5 — 6.3 / 366.3 — 6.6 / 365.0 — 6.0 / 365.6 — 6.1 / 365.5

5.7 / 365.9 — 5.8 / 365.8 — 6.3 / 365.3 — 6.0 / 365.6 — 5.7 / 365.9 — 6.0 / 365.6 — 6.4 / 365.2 — 5.8 / 365.8 — 5.8 / 365.8

5.3 / 366.3 — 5.4 / 366.2 — 5.6 / 366.0 — 5.7 / 365.9 — 5.2 / 366.4 — 5.6 / 366.0 — 5.9 / 365.7 — 5.7 / 366.1 — 5.6 / 366.0

5.3 / 366.3 — 5.1 / 366.5 — 5.3 / 366.3 — 5.1 / 366.5 — 4.8 / 366.8 — 5.3 / 366.3 — 5.6 / 366.0 — 5.0 / 366.6 — 5.0 / 366.6

XSec. Central Elevation to Monroe

Sta	+	π	−	Elev
3+50		371.62		
4+00				
4+50				
5+00.00				
5+50				
6+07	S.P.L Olive			
			2.43	369.19
	4.13	373.32		
0+00	N.P.L Olive			
0+50				
1+00				

Ellis Walker Preston Dibel

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W.P.L.	Curb Cut ½	℄	½ Cut Curb	E.P.L.
4.7 / 366.9	4.7 / 366.9 — 5.3 / 366.3 — 5.0 / 366.6	4.6 / 367.0	4.9 / 366.7 — 5.4 / 366.2 — 4.9 / 366.7	4.8 / 366.8
4.1 / 367.2	4.3 / 367.3 — 4.8 / 366.8 — 4.6 / 367.0	4.3 / 367.3	4.6 / 367.0 — 5.1 / 366.5 — 4.7 / 366.9	4.7 / 366.9
4.0 / 367.6	4.1 / 367.5 — 4.8 / 366.8 — 4.6 / 367.0	4.3 / 367.3	4.7 / 366.9 — 5.3 / 366.3 — 4.6 / 367.0	4.8 / 366.7
3.8 / 367.8	3.8 / 367.8 — 4.0 / 367.7 — 4.3 / 367.3	4.1 / 367.2	4.6 / 367.0 — 5.2 / 366.4 — 4.5 / 367.1	5.2 / 366.4
3.9 / 367.7	3.8 / 367.8 — 4.8 / 366.8 — 4.4 / 367.2	4.2 / 367.4	4.8 / 367.1 — 5.0 / 366.6 — 4.3 / 367.3	4.8 / 366.8
3.4 / 368.2	3.3 / 368.3 — 4.1 / 367.5 — 3.9 / 367.7	3.6 / 368.0	3.9 / 367.7 — 4.5 / 367.1 — 3.9 / 367.7	4.1 / 367.5
368.2				368.1
4.1 / 369.2	4.1 / 369.2 — 4.8 / 368.5 — 4.5 / 368.8	4.2 / 369.1	4.3 / 368.8 — 5.0 / 368.3 — 4.4 / 368.9	4.5 / 368.8
368.6				368.4
3.5 / 369.8	3.3 / 370.0 — 4.1 / 369.2 — 3.7 / 369.6	3.3 / 370.0	3.7 / 369.6 — 4.3 / 369.0 — 3.4 / 369.9	3.8 / 369.8
368.7				368.5
3.4 / 369.9	3.3 / 370.0 — 3.3 / 370.0 — 3.3 / 370.0	2.9 / 370.4	3.2 / 370.1 — 3.4 / 369.9 — 2.7 / 370.6	2.6 / 370.7
368.8				368.6

Sta	X Sec +	Central X	El Cajon to Monroe —	Elev
1+50		37332		
2+00				
2+50				
3+00				
3+50				
4+00				
4+50				
5+00				
5+50				
5+71.37	S.P.L. Monroe			

W.S.P.L. | Curb Cut ℄ | ℄ | ¼ Cut Curb | Ellis Main & Preston Dr. E.P.L. | 80

24 3709 | 2.5 3.2 3.3 370.7 370.1 370.0 | 3.0 370.3 | 3.4 3.8 3.6 369.9 369.4 369.7 | 3.8 369.3 | 369.5

368.9 | 3.7 3.9 3.6 370.1 369.4 369.7 | 3.2 368.8 | 4.0 4.3 369.3 368.8 | 4.0 4.6 369.3 368.7 | 368.7

2.8 370.3

368.9 | 3.8 4.7 4.3 369.5 368.6 368.8 | 4.4 368.9 | 4.8 5.0 4.8 368.4 368.3 368.5 | 5.2 368.1 | 368.7

3.8 369.5

369 | 4.6 4.5 5.4 5.2 5.1 5.8 6.1 5.5 5.9 | 368.9

4.6 368.7 | 368.8 367.9 367.1 368.2 367.5 367.2 367.8 367.4

369.1 | 5.0 5.6 4.0 5.3 5.3 6.2 6.7 5.9 6.4 | 369

5.0 368.3 | 368.3 367.3 367.6 367.8 367.1 366.6 367.4 366.9

369.2 | 5.4 6.5 6.5 5.9 6.3 6.9 6.2 6.6 | 369.1

5.7 367.6 | 367.9 366.8 367.2 367.4 367.6 366.4 367.1 366.7

369.3 | 5.6 5.7 6.3 6.7 6.3 6.3 7.1 6.5 6.8 | 369.2

5.6 367.7 | 367.6 367.0 367.0 367.0 366.8 366.2 366.8 366.5

369.4 | 6.2 6.5 6.1 6.6 7.1 6.5 6.9 | 369.3

6.2 367.1 | 366.8 367.2 366.7 366.2 366.8 366.4

369.5 | 6.7 6.4 6.3 6.3 6.8 6.9 6.6 | 369.3

6.7 367.1 | 366.9 367.0 367.0 366.3 366.9 366.7

369.5 | 6.2 5.9 5.8 5.9 6.6 6.3 6.3 | 369.4

6.2 367.1 | 367.4 367.5 367.4 366.7 367.0 367.0

369.6 | 369.4

XSec 4th St El Cajon to Olive.

Sta	+	⊼	−	Elev.
				369.19
	3.24	372.43		
0+00	N.P.L.	El Cajon		
0+50				
1+00				
1+50				
2+00				
2+50				
3+00				
3+50				

Ellis Walker Preston Dibel

10-22-23

36

W.P.L. Curb Cut ℄ ℄ ℄ Curb E.P.L.

T.P.B.M. N.W.C. Olive & Centeral

5.7 / 366.7	6.2 / 366.2	7.0 / 365.4	6.3 / 366.1	6.0 / 366.4	6.1 / 366.3	6.5 / 365.9	5.9 / 366.5	5.8 / 366.6
5.7 / 366.7	6.1 / 366.3	6.8 / 365.6	6.3 / 366.1	5.9 / 366.5	6.1 / 366.3	6.6 / 365.8	5.9 / 366.5	6.5 / 365.9
6.0 / 366.4	6.0 / 366.4	6.4 / 365.8	6.2 / 366.2	5.8 / 366.6	6.0 / 366.4	6.5 / 365.9	5.8 / 366.6	6.2 / 366.2
5.7 / 366.7	5.9 / 366.5	4.6 / 365.8	6.1 / 366.3	5.8 / 366.6	6.0 / 366.4	6.4 / 366.0	5.7 / 366.7	5.9 / 366.5
5.6 / 366.8	5.7 / 366.7	6.4 / 366.0	6.0 / 366.4	5.8 / 366.6	5.9 / 366.5	4.3 / 367.1	5.7 / 366.7	5.9 / 366.5
5.5 / 366.9	5.8 / 366.9	4.2 / 366.2	5.8 / 366.6	5.3 / 367.1	5.7 / 366.7	6.3 / 366.1	5.7 / 366.7	5.7 / 366.7
5.2 / 367.2	5.3 / 367.1	6.1 / 366.3	5.5 / 366.9	5.2 / 367.2	5.7 / 366.7	6.2 / 366.2	5.5 / 366.9	5.6 / 366.8
5.3 / 367.1	5.2 / 367.2	5.9 / 366.5	5.4 / 367.0	4.9 / 367.5	5.5 / 366.9	6.0 / 366.4	5.3 / 367.1	5.5 / 366.9

X Sec 44th St El Cajon + Olive

Sta	+	X	−	Elev
4+00		372.43		
4+50				
5+00				
5+50				
6+?	S.P.L. Olive			

Ellis
Walker
Proctor
Baker

10-22-23

37

W.P.L.	Curb Cut ¼	℄	¼ Cut Curb	E.P.L.
5.3 / 367.1	4.9 5.7 5.3 / 367.5 367.1	4.8 / 367.6	5.2 5.8 5.0 / 367.4 367.4	5.0 / 367.4
4.7 / 367.7	4.9 5.7 5.1 / 367.5 366.7 367.3	4.6 / 367.8	5.0 5.6 4.8 / 367.4 367.8 367.6	5.0 / 367.4
4.3 / 368.1	4.7 5.4 5.6 / 367.7 367.3 367.4	4.5 / 367.9	4.8 5.4 4.6 / 367.6 367.0 367.8	4.6 / 367.8
4.0 / 368.4	4.5 5.2 4.8 / 367.9 367.2 367.6	4.3 / 368.1	4.6 5.1 4.4 / 367.8 367.3 368.0	4.3 / 368.1
4.2 / 368.2	4.4 5.0 4.6 / 368.0 367.4 367.8	4.1 / 368.3	4.3 4.9 4.2 / 368.1 368.2	3.9 / 368.5

11/16/25
Moore

Levels on Molino Ave
N of Univ Ave

50' wide

BM NE Univ + Molino 65' V89.08 282.57 Iron Pipe

00 - NL of Univ on WL of Molino.

WL		10.0	279.08	
C		7.0	282.08	
EL		6.5	282.6	
	13' N	= Opposite NE Cor of Univ + Molino		
EL		6.5	282.6	
C		6.8	282.3	
WL		8.9	280.2	
	50' N			
WL		7.0	282.1	
C		6 ~	282.9	
EL		5.9	283.2	
	100' N			
EL		5.5	283.6	
C		6.1	283.0	
WL		7.3	281.8	
	150 N			
WL		7.0	282.1	
C		6.3	282.8	

289.08

EL		6.1	283.0
215' N	= P.C		Sta. on WL
EL		5.5	283.6
C		5.8	283.3
WL		6.8	282.3
258.2' N			Con W = 43.24
WL		6 ~	282.9
C		5.0	284.1
EL		5.0	284.1
301.48' N			
EL		3.6	285.5
C		4.9	284.2
WL		5 ~	283.9
344.72' N			
WL		2 ~	286.9
C		2.0	287.1
T.P.	13.0 ~	300.57	155 ~287.53
EL			11.1 289.5
387.96 N	= P.C		
EL		3.0	285.0
C		10.5	277.5
WL		7.3	279.7

Levels on Lemona N. of Univ 30 wide

									305.94		
					WL					14.7	291.2
Univ. on BM SW Lemona	0.35	329.79		329.44	SW iron pipe				150' N		
		NL = 0700								9.6	296.3
WL			9.4	320.4				EL		12.3	293.6
EL			10.0	319.8					200' N		
		25' N						EL		6.7	299.2
EL			9.2	320.6				WL		2.8	303.9
WL			8.9	320.9					250' N		
T.P.	0.79	317.92	12.66	317.13				WL		1.7	304.2
		50' N						T.P.	4.33	309.45	0.82	305.12
WL			6.3	322.5				EL		11.3	294.6
EL			9.9	319.9					300' N		
T.P.	0.68	305.94	12.66	305.26				EL		12.2	293.7
		100' N						WL		5.6	300.1
EL			12.8	317.0					350' N		
WL			13.8	316.0				WL		4.2	301.7
		112' N						EL		8.8	297.1
WL			16.2	313.6					400' N		
EL			14.0	315.8				EL		1.7	304.2
		175' N						WL		1.6	304.3
EL			15.5	311.3							

		309.45		Lehigh N. of Univ.
T.P.	8.67	317.04	1.08	308.37
	446.53'N = SL of Hill Place			
WL			6.2	303.3
EL			6.8	302.7
	496.53'N = NL ✓ ✓			
EL			5.5	304.0
WL			4.8	304.7

Levels on Lemona S of Univ. 55.5' wide

on SMH bank pipe	925	338.09		329.44	Univ. & Lemona
		SL of Univ = 0+00			
WL			9.3	329.4	
C			13.9	324.8	
EL			13.3	325.4	
		50' S			
EL			8.3	330.4	
C			9.1	329.6	
WL			5.1	333.6	
		100' S			
WL			4.1	334.6	
C			6.9	331.8	
EL			5.0	333.7	
		150' S			
EL			4.3	334.4	
C			5.3	333.4	
WL			4.6	334.1	
		200' S			
WL			4.9	333.8	
C			5.3	333.4	

Note Middle 25' Graded

	338.69		
EL		4.4	334.3
	250' S = WL of King Court on W		
EL		5.3	332.4
C		5.2	333.5
WL		4.6	334.1
	300' S = SL	✓ ✓	✓
WL		5.1	333.6
C		5.6	333.1
EL		6.1	332.6
	350' S		
EL		5.5	333.2
C		5.8	332.9
WL		5.8	332.9
	400' S		
WL		6.7	332.0
C		5.7	333.0
EL		5.5	333.2
	450' S		
EL		5.5	333.2
C		6.3	332.4

338.69

WL		7.0	331.7
	500'S = WL of Garland (West)		
WL		7.7	331.0
C		6.7	332.0
EV		6.1	332.6

1/16/25 Moore

Levels on Shiloh S. of Univ. 50' wide

Lemon Villa SE Blk 24	17.93	325.96		313.03	Iron pipe				338.37			
		SL of Univ = 0+00				EL				3.1	335.3	
EL xxx hub	P		3.4	322.6		C				2.8	335.6	
C			5.1	320.9		WL				3.1	335.3	
WL			6.7	319.3		TP	11.84	349.81		0.40	337.97	
		50' S						≈50 S				
WL			4.5	321.5		WL				12.5	337.3	
C			3.3	323.7		C				10.9	338.9	
EL			1.4	324.6		EL				10.0	339.8	
		100' S						? 270.4' S = 280.4'		N.L. of Arnott Ave		
EL			0.2	325.8		EL				8.2	341.6	
C			0.9	325.1		C				10.0	339.8	
WL			1.1	324.9		WL				11.9	337.9	
TP	17.83	338.37	0.42	325.51				0+00 =		SL of	Arnott	40' wide
		150' S				WL				8.0	341.8	
WL			8.0	330		C				6.7	343.1	
C			8.5	329.9		EL				4.0	345.8	
EL			9.5	328.9		TP	10.86	358.46		2.21	347.60	
		200' S						50' S				
						EL				9.9	348.6	
						C				11.3	347.2	

	358.46			
WV		12.5	346.0	
	100'S			
WV		8.9	349.6	
C		8.7	349.8	
EV		7.6	350.7	
	150'S			
EV		6.8	351.7	
C		6.1	352.4	
WV		7.0	351.5	
	200'S			
WV		6.9	351.6	
C		6.7	351.8	
EV		5.2	353.3	
	250'S			
EV		6.2	352.3	
C		5.9	352.6	
WV		5.8	352.7	
	280.4'S	= NL of Beverly		
WV		6.9	351.6	
C		6.4	352.1	

EV		6.0	352.5
	SL of Beverly	40' wide	
EV		4.0	354.5
C		5.8	352.7
WV		6.2	352.3

Levels on Douglas S of Univ 50' wide

Univ & SW Radio Road Douglas	648	320.30		313.82	Iron pipe
		SL of Univ = 0+00			
WL			6.5	313.8	
C			7.0	313.3	
EL			7.2	313.1	
		50' S			
EL			12.8	307.5	
C			10.5	309.8	
WL			10.6	309.7	
		100' S			
WL			8.4	311.9	
C			11.2	309.1	
EL			14.3	306.0	
		150' S			
EL			12.5	307.8	
C			9.8	310.5	
WL			6.3	314.0	
		200' S			
WL			5.4	314.9	
C			8.1	311.6	
EL			11.9	308.4	
		250' S.			
EL			11.9	308.4	
C			8.3	312.0	
WL			4.0	316.3	
		280.4 = NL of Arnott			40' wide
WL			3.7	316.6	
C			7.8	312.5	
EL			12.2	308.1	
		SL Arnott			
EL			12.2	308.1	
C			7.1	313.2	
WL			2.8	317.5	

Levels on Douglas N. of Univ. 50' wide

Univ. & Radio Road	13.21	327.03		313.82	Iron pipe
	0+00 = N.L. of Univ = 60' N of Iron pipe ?				
WL			6.7	320.3	
C			7.0	320.0	
EL			7.4	319.6	
		50' N			
EL			3.0	324.0	
C			2.1	326.9	
WL			0.4	326.6	
T.P.	898	336.00	0.0'	327.0 N	
		100' N			
WL			5.0	322.0	
C			5.0	322.0	
EL			6.3	320.7	
		150' N			
EL			5.1	321.9	
C			2.2	324.8	
WL			2.3	324.7	

chas Moore
July 5th 1939

Cent. Cr. & Levels on
10' Scale & Curves on
Nashville, Causeway NEly to Lapwai

BM & P Hawan Cuiv. Pt. R.R. Causeway	4.30	7.30		3.00
NEly Causeway = 00				
E NNW c6			5.62	1.68
" SWT			6.24	1.06
c Far			6.07	1.23
W SWT			4.24	1.06
W NNW c6			6.04	1.26
0 + 01				
W Top old cf			7.06	0.24
E			7.10	0.20
S.L. Jupiter				
E			7.23	0.07
W			7.23	0.07
400 E Nashville			7.55	-0.25
480 W "			8.75	-1.45

Indexed
C.S.K.

7.30

N.L. Jupiter				
E c6			7.30	0.00
W c6			7.30	0.00
400 E Nashville			7.64	-0.34
480 W "			8.85	-1.55
T.P.	4.73	4.54	7.51	-0.21
S.L. La Salle				
E c6			4.81	-0.29
W "			4.75	-0.23
400 E Nashville			3.94	+0.60
480 W "			6.01	-1.49
N.L. La Salle				
E c6			4.75	-0.23
W c6			4.75	-0.23
400 E Nashville			3.95	+0.57
480 W "			4.05	-1.53
T.P.	4.71	4.46	4.97	-0.45

		4.26			
	S L Western				
W cb			5.07	-0.76	
E cb			5.00	-0.74	
400 " E Nashville			4.97	-0.71	
480 " W "			5.91	-1.65	
	N L Western				
E cb			5.13	-0.87	
W cb			5.10	-0.74	
400 E Nashville			5.17	-0.91	
480 W "			5.95	-1.69	
T.P.	5.45	4.30	5.41	-1.15	
	S L Lapwai				
W cb			5.45	-1.15	
E "			5.50	-1.20	
120 " E of Nashville			5.10	-0.80	Top cb
483 W "			6.14	-1.84	" "

		4.30	Levels	for Prof S/4	Ditch 48
	S cb Lapwai				
W L Nashville 400					
00	dirt		5.2	-0.9	
0 150	E L Nashville		4.8	-0.5	dirt
1	S E 1/4		4.5	-0.2	"
+70			4.1	+0.2	"
"	on cb		5.10	-0.7	
2			4.3	00	"
+50			4.0	+0.3	"
3			3.7	+0.6	"
+18	end cb		4.65	-0.35	Top Cmb
"	dirt		3.7	+0.6	dirt
T.P.	4.64	5.49	5.45	-1.15	Top cb S L Lapwai W cb Nashville
3+50			5.1	+0.4	dirt
4			4.0	+1.5	"
+35			4.5	+1.0	
+75			3.0	+2.5	
5			5.0	+0.5	

5.49

5 + 50		4.6	+0.9
6		4.7	+0.8
+ 50		4.8	+0.7
7		4.6	+0.9
+ 50		4.3	+1.2
8		2.4	+3.1
+ 30		3.6	+1.9
+ 65		7.0	-1.5
9		7.0	-1.5
+ 30	old river channel	7.7	-2.2 ✓
+ 60		4.0	+1.5

Levels for prop ditch N/y.
N/y Ext of Nashville thru
Pac. View.
along W/y over Nashville

11.11	9.96	-1.15	Top ob.
Sw. Cor Nashville & Lapwai = 0.0			
00	11.1	-1.1	dirt
0 + 10	10.8	-0.8	"
0 + 50 N/y Lapwai	10.2	-0.2	"
1	9.8	+0.2	"
2	9.3	+0.7	"
3	9.1	+0.9	"
+ 60 E King	9.3	+0.7	"
4	9.4	+0.6	
+ 60	9.1	+0.9	
5	6.0	+4.0	
+ 50	3.5	+6.5	
6	1.8	+8.2	
+ 65 S/y	3.6	+6.4	
7	4.2	+3.8	

		9.96				Levels for ditch				50
						S/y curb La Rural				
7+35			10.5	-0.5		Nashville W/y				
8			8.4	+1.4						
+15			8.6	+1.4		6.00	4.85		-1.15	curb
+30	old channel		11.4	-1.6	00+ W/L	Nashville		6.00	-1.15	"
					"	"		5.80	-0.95	ground
					1+00	cb		6.25	-1.40	
7+35 + D 90° Rt			10.5	-0.5	"	ground		6.0	-1.15	
8			10.4	-0.6	2	cb		6.35	-1.50	
+40			11.0	-1.0	"	ground		5.9	-1.05	
+50 old overflow			12.3	-2.3	3	cb		6.27	-1.62	
channel of river					"	ground		5.0	-0.15	
					+15	"		5.0	-0.15	
					+35	"		4.8	+0.05	
					+50	"		5.4	-0.5	
					4	cb		6.67	-1.82	
					"	ground		6.0	-1.15	
					4+83.85 W/y Druckers			6.49	-1.84	cb
					"	"	"	5.4	-.05	ground
					5 make angle here			5.2	-0.7	
					See Next Page					

	4.85		
6		5.2	-0.3
7		5.6	-0.7
8		6.1	-1.3
Too far to go N/y			
5+00	Δ 40°43' LT.	5.2	-0.3
6		5.5	-0.6
7		4.4	-0.5
+50		4.4	-0.7
+75	Top Emb.	5.1	-0.2
+87	INT. of dug	7.8	-2.9
ditch on N/y curb line of Western St.			

See P 47

8-3-39
Miller
Walker
Bliss

X See National Hwy E. of 41st
For Bridge

N. W. National & 41st

B.M. B.P. 35.25

channel Location

240' N. of ℄ 20' strip

3+90 = W. Bank of Wash overall

3+98 W side of Wash

5+40 W Bank Main Wash

5+80 W side " "

6+08 E " " "

6+18 E Bank of Wash overall

240' S. of ℄ 20' strip

2+00 W Bank Wash overall

2+10 W. side " "

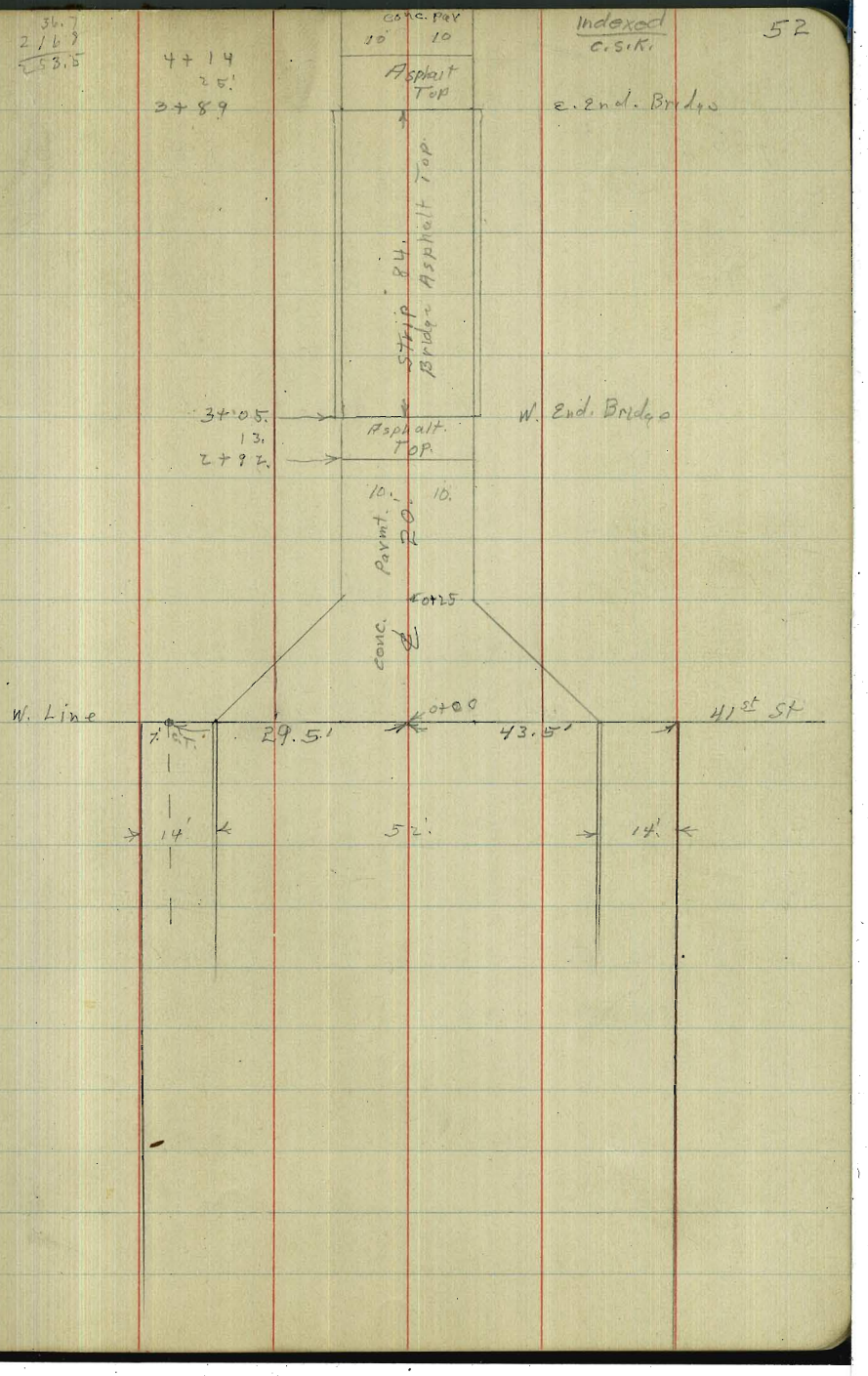
2+40 = W. Bank. Main Wash.

2+50 = W side " "

2+75 = E. " " "

3+05 = E " Wash overall

3+20 = E Bank " "



Indexed
C.S.K.

52

BM. B.P.	1.39	36.64		35.25	N.W. 41st & National
T.P.	5.00	31.62	10.02	26.62	

0+00 = W. Line 41st St.
2+00 E.

60. Rt		6.1	25.5	
40. Rt.		5.5	26.1	
20. "		4.0	27.6	
17. "		2.7	28.9	
10. " = S. pav		2.79	28.83	
℄ "		2.58	29.04	
10. Lt = N. "		2.47	29.15	
16. "		2.4	29.2	
20. "		4.5	27.7	
25. "		5.6	26.0	
40. "		4.2	25.4	
60. "		6.0	25.6	

2+45 E

60. Lt		6.1	25.5	
40. "		6.4	25.2	
30. "		6.0	25.6	
20. "		4.4	27.2	

31.62

18. Lt		2.9	28.7	
10. " = N. pav		3.14	28.48	
℄ "		3.17	28.45	
10. Rt = S. "		3.32	28.30	
18. "		3.4	28.2	
20. "		4.6	27.0	
40. "		5.9	25.7	
60. "	W. bank. overall	6.6	25.0	

2+40

60. Rt		9.0	22.6	
40. "	W. Bank. overall	5.6	26.0	
20. "		5.2	26.4	
17. "		3.5	28.1	
10. " = S. pav		3.41	28.21	
℄ "		3.30	28.32	
10. Lt = N. "		3.34	28.28	
17. "		3.2	28.4	
20. "		4.6	27.0	
40. "		4.5	27.1	
42. "		6.8	24.8	
60. "		6.3	25.3	

31.62

2+70 E.

60' Lt		7.5	24.1
47' "		8.0	23.6
40' "		5.5	26.1
20' "		4.3	27.3
18' "		3.3	28.3
10' "	N. Pav	3.50	28.12
℄	"	3.45	28.17
10' Rt.	S "	3.47	28.15
16' "		3.6	28.0
28' "		8.4	23.2
40' "		9.0	22.6
60' "		10.8	20.8

2+92

60' Rt.	W. side Main wash	13.1	18.5
45' "	" " " "	13.0	18.6
40' "	" Bank " "	10.6	21.0
25' "		9.4	22.2
16' "		3.2	28.4
10' "	S. Pav.	3.73	27.89
℄	"	3.71	27.91
10' Lt.	N "	3.78	27.84

31.62

17' Lt		4.2	27.4
27' "		6.4	25.2
30' "	Wash from N.W.	10.4	21.2
40' "	" " "	10.2	21.4
50' "	" " "	10.2	21.4
60' "	Nat ground.	4.1	27.5

3+05 W. Abutment of Bridge

60' Lt	Nat. gr.	5.2	26.4
50' "	" "	5.4	26.2
40' "	wash from N.W.	8.3	23.3
27' "	W. Bank. Main wash	10.0	21.6
20' "		9.0	22.6
11' "	ground. below	8.8	22.8
10' "	pav at W End. Bridge	3.72	27.90
℄	" " " "	3.70	27.92 ✓
10' Rt	" " " "	3.70	27.92
11' "	ground. below	10.0	21.6
20' "		11.1	20.5
25' "	W. side Main wash	12.8	18.8
40' "	W side " "	13.0	18.6
60' "	W " " "	13.3	18.3

31.62

3+13

60' Rt		14.0	17.6
40' "		13.8	17.8
10' "	W. side Main wash.	13.8	17.8
℄	" " " "	14.0	17.6
10' Lt	" " " "	14.0	17.6
40' "	" Bank " "	9.0	22.6
50' "		8.3	23.3
60' "	= W. Bank overall	5.4	26.2

3+35

60' Lt		9.1	22.5
34' Lt	NW. Bank Main wash	9.4	22.2
30' "	" side " "	12.5	19.1
10' "		12.5	19.1
℄		12.6	19.0
10' Rt		12.8	18.8
40' "		12.7	18.9
60' "		13.0	18.6

3+45

60' Rt	E. side Main wash	13.0	18.6
40' "	" " "	13.2	18.4

31.62

10' Rt		12.4	19.2
℄		13.2	18.4
10' Lt		13.0	18.6
30' "	N.W. side Main wash	12.2	19.4
40' "	" Bank " "	9.2	22.4
60' "	In wash.	8.8	22.8

3+60

60' Lt	In wash.	9.2	22.4
40' "	N.W. Bank Main wash	10.1	21.5
35' "	NW side " "	12.0	19.6
10' "		13.0	18.6
℄		13.0	18.6
10' Rt	E. side Main wash	12.0	19.6
30' "	" " " "	12.1	19.5
40' "	" Bank " "	10.4	21.2
60' "	" " " "	9.7	21.9

3+89 E. Abutment

60' Rt		10.0	21.6
40' "		9.8	21.8
11' "		9.3	22.3

31.62

3+89 (cont.)

10' Rt.	S. Pav. W. End	3.72	27.90
℄	" " "	3.73	27.89
℄	under Bridge		
10' Lt	N " " " ?	3.70	27.92
11' Lt.		10.2	21.4
14. "	S.E. side Main wash	12.2	19.4
40. "	In " "	12.0	19.6
45' "	NW side " "	10.4	21.2
40' "	NW Bank. " "	8.0	23.6

4+00

60' Lt.	N.W. side Main wash.	12.0	19.6
40' "		12.2	19.4
25' "	S.E. side Main wash	13.2	18.4
15' "	Wooden Bulkhead	9.3	22.3
14' "		4.1	27.5
10'	N pav	3.82	27.80
℄	"	3.70	27.92
10' Rt		3.73	27.89
16' "		3.2	28.4
25' "		9.3	22.3
40' "	E. Side wash overall	9.8	21.8
60' "	" " " "	10.3	21.3

31.62

4+14

60' Rt	E. Bank. overall	4.4	27.2
40' "	" "	4.2	27.4
35' "	" Side "	8.8	22.8
25' "	" " "	8.6	23.0
16' "		3.3	28.3
10' "	S. Pav	3.64	27.94
℄		3.70	27.92
10' Lt		3.82	27.80
15' "		4.2	27.4
16' "	wooden Bulkhead.	6.9	24.7
25' "		12.0	19.6
30' "	S.E. side Main wash	12.4	19.2
40' "	In " "	12.4	19.2
60' "	N.W. side " "	12.4	19.2

4+25

60' Lt.		12.4	19.2
40' "		12.2	19.4
35' "	S.E. side	11.0	20.6
25' "		11.0	20.6

31.62
4+25 con.

10' Lt	N Pav	3.73	27.89	
℄	"	3.58	28.04	
10' Rt.	S "	3.61	28.01	
16' "		3.2	28.4	
20 "	S.E. side wash overall	6.0	25.6	
27 "		6.0	25.6	
30' "		4.1	27.5	
40' "		4.1	27.5	
60' "		4.3	27.3	
	4+57			
60' Rt		4.6	27.0	
40' "		4.8	26.8	
18' "		3.8	27.8	
15' "		2.5	29.1	
10' Rt	S. Pav	3.04	28.54	
℄	"	2.89	28.69	
10 Lt.	N. "	3.10	28.52	
15' "		3.0	28.6	
16' "		4.0	27.6	
25' "	S.E. side wash overall	8.0	23.6	

31.62

40' Lt		8.7	22.9	
60'	S.E Bank. Main wash	10.0	21.6	
T.P.	12.32 34.31	9.63	21.99	
	4+75			
60 Lt		11.6	22.7	
40' "	E. side Wash overall	9.5	24.8	
30' "		6.7	27.6	
20' "		6.0	28.3	
17' "		4.7	29.6	
10' "	N Pav	5.14	29.17	
℄	"	5.07	29.24	
10' Rt.	S "	5.14	29.17	
17' "		4.5	29.8	
23' "		5.8	28.5	
40' "		6.7	27.6	
60' "		7.1	27.2	

		34.31						34.31			
		4+90									
60. Rt			7.2	27.1		10' Lt	N. Pav		4.30	30.01	
40' "			6.6	27.7		℄	"		4.26	30.05	
23' "			5.3	29.0		10' Rt	S "		4.37	29.94	
19' "			4.2	30.1		18' "			4.1	30.2	
10' Rt.	S. pav		4.56	29.75		21' "			5.3	29.0	
℄	"		4.46	29.85		40' "			6.3	28.0	
10' Lt.	N "		4.55	29.76		60' "			6.3	28.0	
18' "			4.3	30.0				5+30			
25 "			5.8	28.5		60' Rt			6.6	27.7	
35' "			8.8	25.5		40' "			5.9	28.4	
40' "			6.3	28.0		25' "			5.0	29.3	
55' "	E Bank wash overall		6.3	28.0		20' "			2.9	31.4	
60' "	E. side wash overall		9.3	25.0		10' "	S. pav		2.72	31.59	
		4+95				℄	"		2.59	31.72	
60. Lt.	E. Bank wash overall		6.8	28.3		10' Lt	N. "		2.66	31.65	
40' "			6.1	28.2		18' "			2.6	31.7	
35' "			8.9	25.4		20' "			4.2	30.1	
30' "			5.6	28.7		40' "			4.8	29.5	
22' "						60'			5.0	29.3	
18' "			4.0	30.3		T.P.	9.09	35.72	7.68	26.63	
						Orig BM			0.48	35.24	=35.25

Cross Section San Jose Place — Indexed C.S.K.
Ocean Front Walk to Bayside Walk
Stationing

BM	4.24	11.32	7.08	SW BP San Jose & Seawall
	0-12 = Fly Ocean Front Walk Conc.			
S	on Conc Walk	6.67	4.65	
℄	" " "	6.70	4.62	
N	" " "	6.70	4.62	
	0+00 = F.L. in Ocean Front Walk			
N		6.9	4.8	
℄		6.6	4.7	
S		6.7	4.6	
	0+23			
S-0.3	: ℄ 2' Conc Walk	5.91	5.41	
	0+25			
N-1.0	= ℄ 5' Plank Walk	6.60	4.72	
	0+40			
S		5.0	6.3	
℄		5.0	6.3	
N		5.2	6.1	
	0+52			
N-0.9	= ℄ 3.3' Plank Walk	4.92	6.60	
S-0.3	= ℄ 4.5 Conc Walk	4.63	6.69	

Levels Revised @ 7/27/40

24' Wide

11.32

July 24-40 S.S.O.T. Northern Wilcoxe

	0+54		
S-0.2	= Fly Conc Slab	4.61	6.71
	0+79		
S-0.3	= Fly Conc Slab	4.67	6.95
	0+80 = N.L. Strand Way		
N		5.0	6.3
℄		4.8	6.5
S		4.5	6.8
	0+00 = E.L. Strand Way		
S		4.6	6.7
℄		4.8	6.5
N		5.2	6.1
	0+12		
N-1.4	= ℄ 2.5 Conc Walk	5.42	5.90
	0+24		
N-1.7	= ℄ 2' Conc Walk	6.02	5.30
N		6.2	5.1
℄		6.0	5.3
S		6.0	5.3

San Jose

11.32

0+50

S		7.1	0.2
℄		7.2	0.1
N		7.1	0.2

0+84

-1.0 = ℄ 5' Conc Walk		8.22	3.10
N		8.8	2.5
℄		8.7	2.6
S		8.6	2.7

0+78

S -0.2 : ℄ 2.5 Conc Walk		8.07	3.25

1+03

-0.2 = ℄ 3.7 Plank Walk		8.95	2.37
S		9.4	1.9
℄		9.4	1.9
N		9.5	1.8

1+35

N		10.5	0.8
℄		10.5	0.8

11.32

S			10.4	+0.9
TP	3.62	4.40	10.54	0.78

1+60.4 = Wly Edge Paving Mission Blvd.

S cb Top Ground		4.26	+0.14
S Paving		4.23	+0.17
℄ "		4.12	+0.28
N " Top cb Ground		4.20	+0.20

1+70.4 = WCb Mission Blvd

N on Paving		4.74	-0.34
℄ " "		4.73	-0.33
S " "		4.78	-0.38

ECb Mission Blvd

S on Paving		5.07	-0.67
℄ " "		4.95	-0.55
N " "		5.05	-0.65

0+0 = E.L. Mission Blvd.

N cb Top		4.55	-0.15
N on Paving		4.64	-0.29
+1.8 = Wly X Conc Walk		4.56	-0.16

4+40		
℄ on Paving	4.57	-0.17
+11.1 = NW 1/4 8" Conc Walk	4.70	-0.30
S on Paving	4.66	-0.26
S C6 Top	4.58	-0.28
0+39		
S -0.5 = ℄ 3' Conc Door Way	4.58	-0.18
N = ℄ 3' Conc " "	4.30	+0.10
0+46		
S on 2' Conc Walk	4.68	-0.28
+2 = NW " "	4.84	-0.44
℄	5.0	-0.6
+10	4.8	-0.4
+10.1 = S Fly 2' Conc Walk	4.54	-0.14
N on 2' Conc Walk	4.61	-0.11
0+51		
S +1.8 = N. Fly 2' Conc Walk	4.86	-0.46
S = Fly 2' Conc Walk	4.72	-0.32
0+52		
N+0.6 = ℄ 2.5 Conc Walk	4.66	-0.26

4+40		
0+93		
N +0.9 = ℄ 2' Tile Walk	5.00	-0.6
1+10		
N	5.1	-0.7
℄	5.3	-0.9
S	5.2	-0.8
1+12		
N +0.9 = ℄ 3' Tile Walk	5.18	-0.78
1+27		
N = ℄ 2.6 Conc Walk	5.05	-0.65
TP 4.89 3.89	5.40	-1.00 ✓
1+31		
S +0.1 = ℄ 3.9 Bottom Conc Step	4.35	-0.96
1+50		
S = ℄ 4.7 Conc. Walk	4.62	-0.73
S	4.8	-0.9
℄	4.9	-1.0
N	5.0	-1.1

San Jose

3.89

1+90.11 = N.L. Bayside Lane

N		4.9	-1.0
℄		5.0	-1.1
S		4.9	-1.0

0+0 = E.L. Bayside Lane

S		4.9	-1.0
℄		5.0	-1.1
N		5.0	-1.1

0+10

S-6.7 = N Hy Do Garage Dirt Floor		4.9	-1.0

0+22

N-0.6 = ℄ 4' Conc Walk		4.73	-0.84

0+24

S-3.4 = Fly Do Garage Dirt Floor		4.8	-0.9

0+30

N		5.0	-1.1
℄		4.9	-1.0
S = N Hly Conc Apron		4.54	-0.65
+15 = 07 " " = N Line Garage		4.84	-0.95

3.89

0+49

N-0.7 = ℄ 4.5 Plank Walk		4.87	-0.98

0+53

N-0.8 = ℄ 3' Conc Walk		4.44	-0.55

0+56

-3' = Fly Conc Apron		4.28	-0.39
S " = Fly " "		4.31	-0.42
S		4.5	-0.6
℄		4.5	-0.6
N		4.6	-0.7

0+67

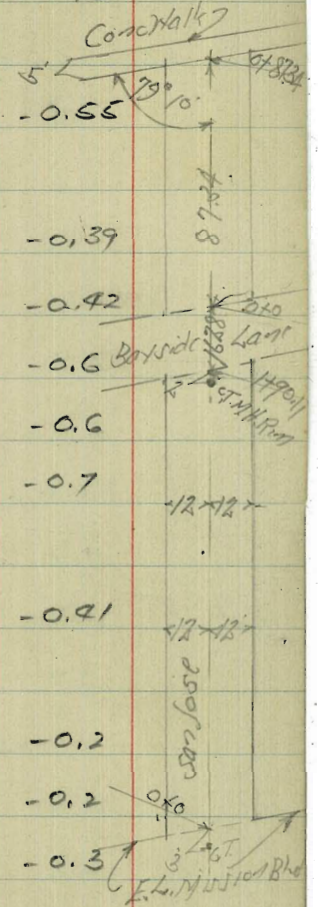
N-0.5 = ℄ 3.4 Conc Walk		4.30	-0.41

0+78

N		4.1	-0.2
℄		4.1	-0.2
S		4.2	-0.3

87.34
0+87.96 = Nly Conc Walk Bayside Walk

S = Nly Conc Walk		4.21	-0.32
℄ = " " "		4.26	-0.37
N " " "		4.25	-0.36



Cross Section Santa Clara Place — Indexed C.S.K. — 24' Wide — July 26-40 63
Ocean Front Walk to Bayside Walk — Simos Hartberg Moore
& Stationing

BM	4.38	11.57		7.19	S.W. BP Santa Clara & Seawall		11.57	
		0-12 = ℄ y Conc Walk Ocean Front Walk				℄	4.3	7.3
S	on Conc Walk		6.84	9.73		N	4.6	7.0
℄	" " "		6.92	4.65		0+0 = E.L Strand Way		
N	" " "		6.94	4.63		N	4.7	6.9
	0+0 = E.L in Ocean Front Walk					℄	4.7	6.9
N			6.8	4.8		S	4.7	6.9
℄			6.8	4.8		0+10		
S			6.7	4.9		N = ℄ 3' Conc Walk	4.81	6.76
	0+20					0+38		
S			6.0	5.6		-1.0 = ℄ 3' Conc Walk	6.18	5.39
℄			6.2	5.4		S	6.6	5.0
N			6.4	5.2		℄	6.6	5.0
	0+40					N	7.0	4.6
N			5.9	5.7	Notes Revised 7-29-40	0+59		
℄			5.2	6.9		N -0.2 = ℄ 2.5 Conc Walk	7.85	3.72
S			5.3	6.3		N	8.1	3.5
	0+80 = N.L Strand Way					℄	7.8	3.8
S			4.4	7.2		S	7.6	4.0

Santa Clara

11.57

1+00			
-10		9.8	1.8
S		9.2	2.4
℄		9.2	2.4
N		9.4	2.2
+10		9.6	2.2
1+03			
S-0.5' = ℄ 4.6 Conc Walk		9.13	2.09
1+12			
S-0.5 = ℄ 3.7 Conc Walk		9.30	2.27
1+35			
-10		11.1	0.5
N		10.4	1.2
℄		10.1	1.5
S		10.2	1.4
+10		10.5	1.1
TP	3.21 4.31	10.47	1.10
1+74.6 = N.L Mission Blvd. Paving			
S Cb Top		3.97	0.39

4.31

S on Paving	4.02	0.29
℄ " "	4.02	0.29
N " "	4.00	0.31
N Cb Top	3.95	+0.36
1+84.6 = W Cb Mission Blvd		
N on Paving	4.66	-0.35
℄ " "	4.62	-0.31
S " "	4.63	-0.32
E Cb Mission Blvd		
S on Paving	4.93	-0.62
℄ " "	4.91	-0.60
N " "	4.97	-0.66
0+00 = E.L Mission Blvd		
N Cb Top	4.64	-0.33
N on Paving	4.67	-0.36
℄ " "	4.56	-0.25
S " "	4.61	-0.30
S Cb Top	4.61	-0.30

Santa Clara

4.31		
0+50		
S	5.0	-0.7
℄	5.0	-0.7
N	5.0	-0.7
0+76		
S-0.6 = ℄ 3' Conc Walk	5.19	-0.88
0+90		
N-0.3 = ℄ 3.5' Conc Walk	4.98	-0.67
1+0		
N	5.0	-0.7
℄	5.1	-0.8
S	4.9	-0.6
+5	5.2	-0.9
1+21		
S-1.0 = ℄ 4' Conc Walk	5.21	-0.90
1+27		
N-0.1 = ℄ 3.5' Conc Walk	4.79	-0.98
1+32		
S-1.1 = ℄ 8' Conc Drive	5.20	-0.89
S-19.7 = ℄ Garage Conc Floor	5.05	-0.79

4.31		
1+49		
-10	5.8	-1.5
S	5.3	-1.0
℄	5.3	-1.0
N	5.2	-0.9
+0.1 = ℄ 3' Conc Walk	5.36	-1.05
1+68 = W End 4' Conc Walk on N		
N-0.1 = W End 4' Conc Walk	4.98	-0.67
1+95		
S-0.9 = N½ Conc Slab	5.57	-1.26
2+0		
-0.1 = Sly 4' Conc Walk	5.03	-0.72
N	5.5	-1.2
℄	5.1	-0.8
S	5.6	-1.3
+0.9 = N½ Conc Slab	5.56	-1.25
2+23		
-0.8 = E½ Conc Slab	5.56	-1.25
S	5.6	-1.3

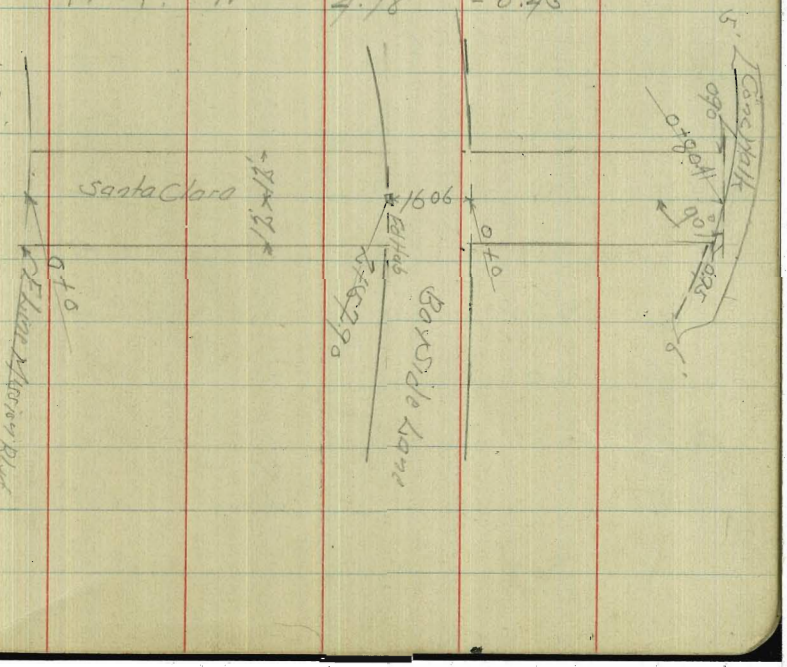
Santa Clara

4.31

℄		5.2	-0.9
H		5.3	-1.0
+0.2 = S ly 4' Conc Walk		5.09	-0.78
℄ + 59.02 = W L. Bayside Lane	57.90°		
-0.2 = E ly 4' Conc Walk		5.10	-0.79
H		5.4	-1.1
℄		5.2	-0.9
S		5.2	-0.9
0+0 E L Bayside Lane			
S		5.1	-0.8
℄		5.1	-0.8
H		5.3	-1.0
0+07			
S -0.5 = ℄ 4' Conc Walk		4.98	-0.67
TP	5.20 4.33	5.18	-0.87
0+34			
H		5.2	-0.9
℄		5.0	-0.7
S		5.3	-1.0

4.33

+0.7 = ℄ 10' Conc Drive Solid	5.35	-1.02
+7.2 07 " "	5.46	-1.13
0+60		
S	4.9	-0.6
℄	4.8	-0.5
H	5.0	-0.7
0+80.41 / 79.93 = W 4'x8' Conc Walk Bayside Walk		
H = W 4' Conc Walk	4.81	-0.98
℄ 07 " "	4.78	-0.95
S " " "	4.78	-0.45



Newly Curb Line Levels on Nashville N E ly to SD River

Moore
2-1-41

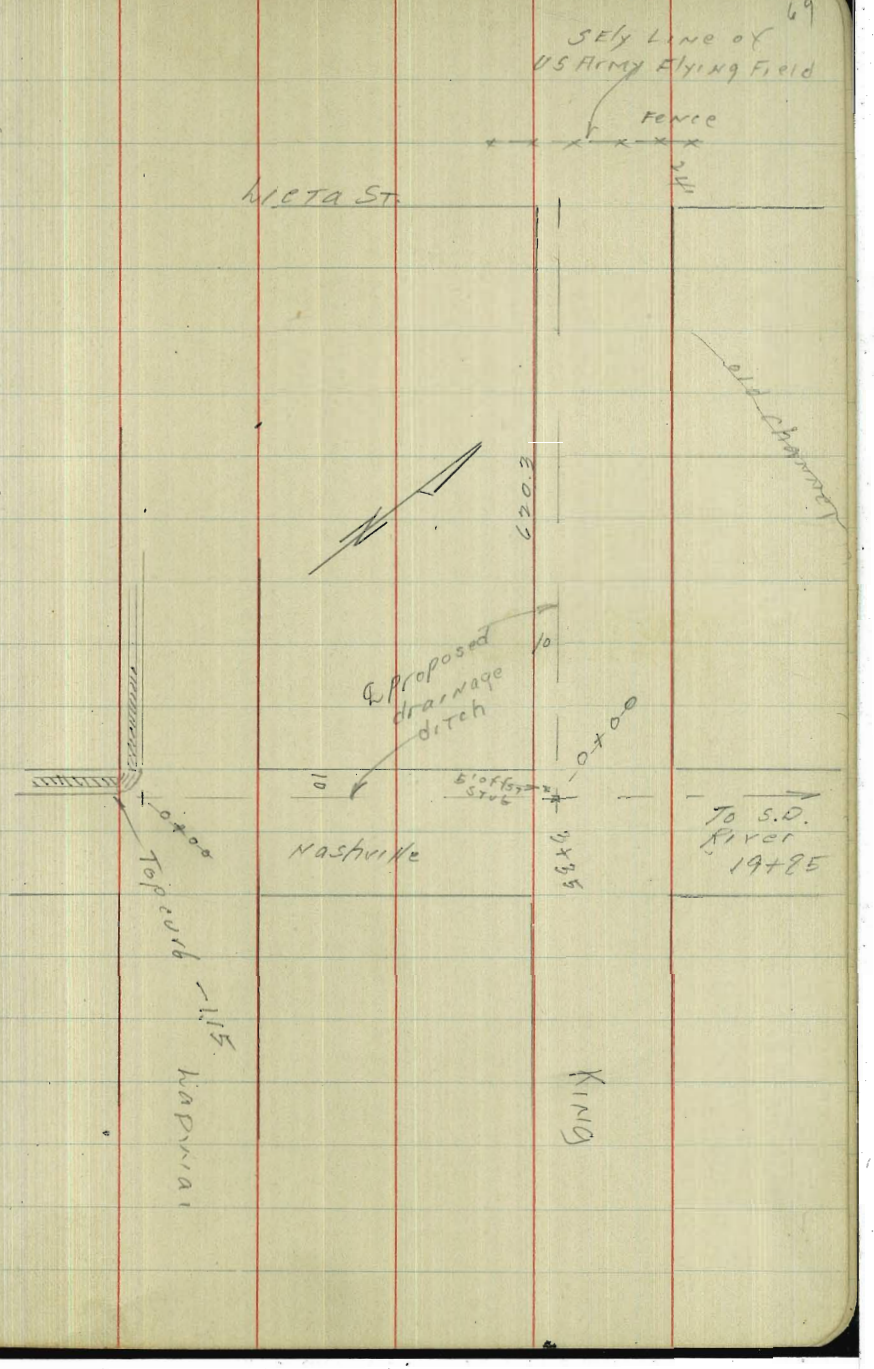
							5.65		
					T.P.	6.56	4.84	5.37	0.28
Swc6	6.80	5.65		-1.15	Nashville Lapwai				
					See P48	7+50			7.1	-0.3
						8			5.2	1.6
10+0						+15 old river overflow			8.3	-1.46
+50			6.0	-0.3		Channel +25			8.2	-1.4
1			5.7	0.0		+50			6.6	0.2
+50			5.8	-0.1		9			5.0	1.8
2			5.6	0.1		+50			5.3	1.5
+50			5.6	0.1		10			5.3	1.5
3			5.3	0.4		+50			5.2	1.6
+35 = Sly Curb on King +50			4.9	0.8		11			4.8	2.0
4			5.1	0.6		+50			5.1	1.7
+50			4.1	1.6		12			4.9	1.9
5			3.1	2.6		+50			5.3	1.5
+50			2.8	2.9		+65 river flow			7.6	-0.8
6			2.6	3.1		+70 Channel			7.4	-0.6
+50			2.5	3.2		13			5.1	1.7
+80			0.0	5.7		T.P.	5.00	6.94	4.90	1.94
7			2.9	2.8		+50			5.0	1.9

		6.9v		
14		5.3	1.6	
+50		5.0	1.9	
15		4.8	2.1	
+50		5.0	1.9	
16	overflow	6.0	0.9	
+10	channel	6.0	0.9	
+50		5.2	1.7	
17		5.5	1.4	
+50		5.1	1.8	
18		5.5	1.4	
+50		5.2	1.7	
19		5.5	1.4	
+25		6.8	0.1	
+40		9.8	-2.9	
+75		9.2	-2.3	
+85	Swly S.D. River Bank	12.2	-5.26	
Highest	Tide mark	8.1	-1.16	9.01 1.16 7.85
			Tide Book	

Levels on Sly curb line
King St To Lieta
Prop.

Top curb	6.33	5.18		-1.15
0+00 on 5' offset	STUB	4.66		0.52
+65	"	"	"	4.19	1.99
1+15	"	"	"	4.6	1.02
+65	"	"	"	4.39	0.79
2+15	"	"	"	4.60	0.58
+65	"	"	"	4.65	0.53
3+15	"	"	"	4.40	0.78
+65	"	"	"	4.78	0.40
4+15	"	"	"	4.91	0.27
+65	"	"	"	4.62	0.56
5+15	"	"	"	5.30	-0.12
+65	"	"	"	5.27	-0.09
6+30.3	S.E. line	Lieta St.		5.08	0.10
6+53	Pueblo line			5.3	-0.12
7+55.3	on Fly Field			5.7	-0.52
70' RT of 5+15	old overflow channel			6.7	-1.52

Nashville Lapwai



4th St. El Cajon to Olive

Central to Tenth. Monroe to El Cajon

Stockton El Cajon to Monroe

240 S. of ℄

2+40 W Bank

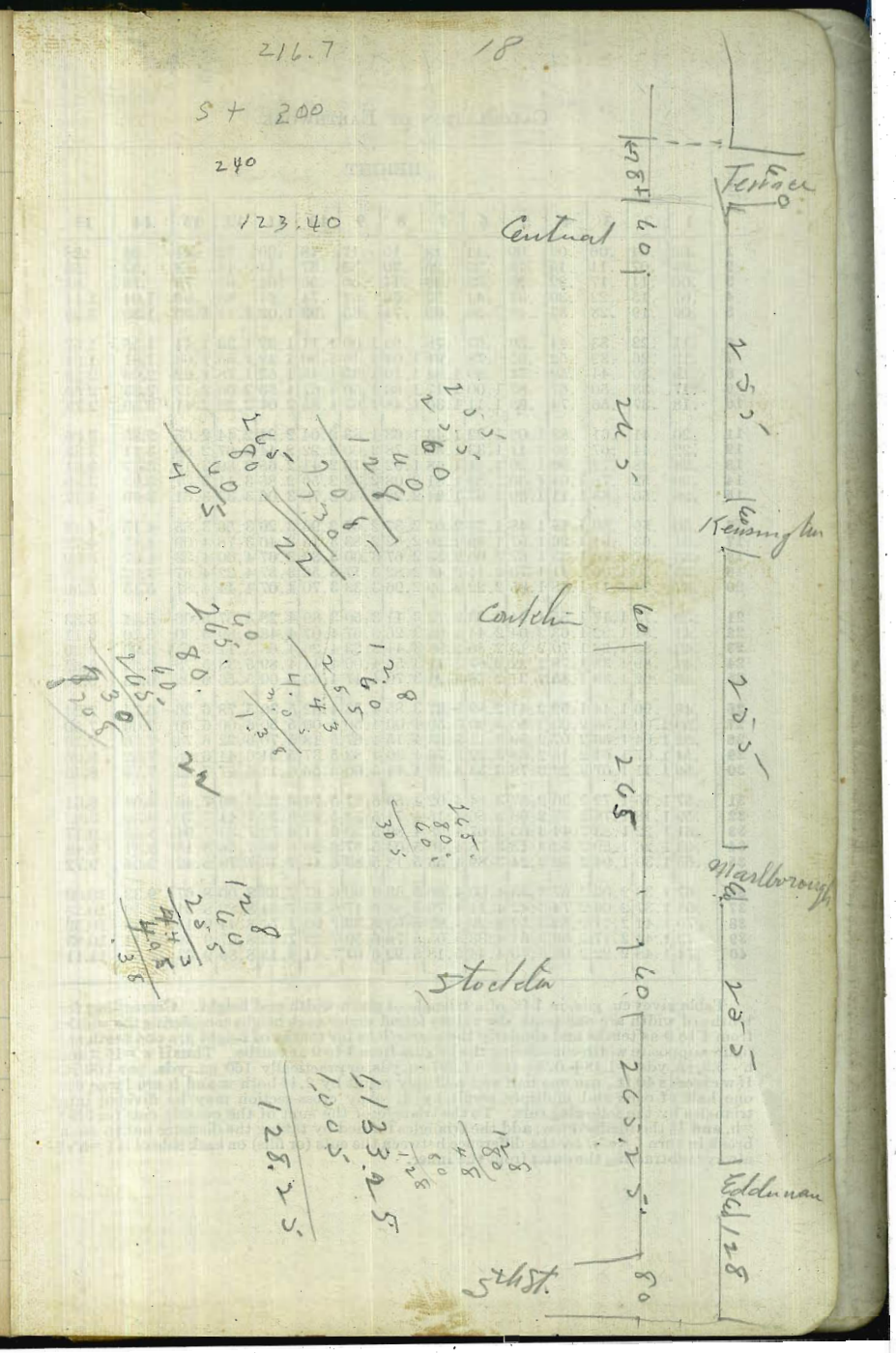
2+80 2+50 W. side channel & side Main channel

3+05 E " "

3+20 " Bank

240 N of ℄

3+90 W. Bank.



Calculation of Earthwork.

Width	HEIGHT														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	.02	.04	.06	.07	.09	.11	.13	.15	.17	.18	.20	.22	.24	.26	.28
2	.04	.07	.11	.15	.18	.22	.26	.30	.33	.37	.41	.44	.48	.52	.56
3	.06	.11	.17	.22	.28	.33	.39	.44	.50	.56	.61	.67	.72	.78	.83
4	.07	.15	.22	.30	.37	.44	.52	.59	.67	.74	.81	.89	.96	1.04	1.11
5	.09	.19	.28	.37	.46	.56	.65	.74	.83	.93	1.02	1.11	1.20	1.30	1.39
6	.11	.22	.33	.44	.56	.67	.78	.89	1.00	1.11	1.22	1.33	1.44	1.55	1.67
7	.13	.26	.39	.52	.65	.78	.91	1.04	1.16	1.30	1.42	1.55	1.68	1.81	1.94
8	.15	.30	.44	.59	.74	.89	1.04	1.19	1.33	1.48	1.63	1.78	1.92	2.08	2.22
9	.17	.33	.50	.67	.83	1.00	1.17	1.33	1.50	1.67	1.83	2.00	2.17	2.33	2.50
10	.18	.37	.56	.74	.93	1.11	1.30	1.48	1.67	1.85	2.04	2.22	2.41	2.59	2.78
11	.20	.41	.61	.82	1.02	1.22	1.43	1.63	1.83	2.04	2.24	2.44	2.65	2.85	3.06
12	.22	.44	.67	.89	1.11	1.33	1.56	1.78	2.00	2.22	2.44	2.67	2.89	3.11	3.33
13	.24	.48	.72	.96	1.20	1.44	1.68	1.92	2.16	2.41	2.65	2.89	3.13	3.37	3.61
14	.26	.52	.78	1.04	1.30	1.55	1.81	2.08	2.33	2.59	2.85	3.11	3.37	3.63	3.89
15	.28	.56	.83	1.11	1.39	1.67	1.94	2.22	2.50	2.78	3.06	3.33	3.61	3.89	4.17
16	.30	.59	.89	1.18	1.48	1.78	2.07	2.37	2.67	2.96	3.26	3.56	3.85	4.15	4.44
17	.31	.63	.94	1.26	1.57	1.89	2.20	2.52	2.83	3.15	3.46	3.78	4.09	4.41	4.72
18	.33	.67	1.00	1.33	1.67	2.00	2.33	2.67	3.00	3.33	3.67	4.00	4.33	4.67	5.00
19	.35	.70	1.06	1.41	1.76	2.11	2.46	2.82	3.17	3.52	3.87	4.22	4.57	4.92	5.28
20	.37	.74	1.11	1.48	1.85	2.22	2.59	2.96	3.33	3.70	4.07	4.44	4.81	5.18	5.56
21	.39	.78	1.17	1.55	1.94	2.33	2.72	3.11	3.50	3.89	4.28	4.67	5.06	5.44	5.33
22	.41	.81	1.22	1.63	2.04	2.44	2.85	3.26	3.67	4.07	4.48	4.89	5.30	5.70	6.11
23	.43	.85	1.28	1.70	2.13	2.56	2.98	3.41	3.83	4.26	4.68	5.11	5.54	5.96	6.39
24	.44	.89	1.33	1.78	2.22	2.67	3.11	3.56	4.00	4.44	4.89	5.33	5.78	6.22	6.67
25	.46	.92	1.39	1.85	2.31	2.78	3.24	3.70	4.17	4.63	5.09	5.56	6.02	6.48	6.94
26	.48	.96	1.44	1.92	2.41	2.89	3.37	3.85	4.33	4.82	5.30	5.78	6.26	6.74	7.24
27	.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50
28	.52	1.04	1.55	2.07	2.59	3.11	3.63	4.15	4.67	5.18	5.70	6.22	6.74	7.26	7.78
29	.54	1.07	1.61	2.15	2.68	3.22	3.76	4.30	4.83	5.37	5.91	6.44	6.98	7.52	8.06
30	.56	1.11	1.67	2.22	2.78	3.33	3.89	4.44	5.00	5.55	6.11	6.67	7.22	7.78	8.33
31	.57	1.15	1.72	2.30	2.87	3.44	4.02	4.59	5.17	5.74	6.32	6.89	7.46	8.04	8.61
32	.59	1.18	1.78	2.37	2.96	3.56	4.15	4.74	5.33	5.92	6.52	7.11	7.70	8.30	8.89
33	.61	1.22	1.83	2.44	3.05	3.67	4.28	4.89	5.50	6.11	6.72	7.33	7.94	8.55	9.17
34	.63	1.26	1.89	2.52	3.15	3.78	4.40	5.04	5.67	6.29	6.93	7.56	8.18	8.81	9.44
35	.65	1.30	1.94	2.59	3.24	3.89	4.53	5.18	5.83	6.48	7.13	7.78	8.42	9.08	9.72
36	.67	1.33	2.00	2.67	3.33	4.00	4.66	5.33	6.00	6.67	7.33	8.00	8.67	9.33	10.00
37	.68	1.37	2.06	2.74	3.42	4.11	4.79	5.48	6.17	6.85	7.54	8.22	8.91	9.59	10.28
38	.70	1.41	2.11	2.82	3.52	4.22	4.92	5.63	6.33	7.03	7.74	8.44	9.15	9.85	10.56
39	.72	1.44	2.17	2.89	3.61	4.33	5.05	5.78	6.50	7.22	7.95	8.67	9.39	10.11	10.83
40	.74	1.48	2.22	2.96	3.70	4.44	5.18	5.92	6.67	7.41	8.15	8.89	9.63	10.37	11.11

Table gives cu. yds. in 1 ft. of a triangle of given width and height. Corrections for tenths of width are one tenth the values found under each height considering the widths from 1 to 9 as tenths and similarly the corrections for tenths of height are one tenth the figures opposite width considering the heights from 1 to 9 as tenths. Thus if w =16.2 and h =5.3, cu. yds. =1.48+.028+.089 =1.597 cu. yds. or practically 160 cu. yds. per 100 ft. If w exceeds 40 ft., use one half and multiply result by 2, if both w and h are large use one half of each and multiply result by 4. Any cross-section may be divided into triangles by the following rule. To the triangle of the sum of the outside cuts (or fills) =h, and ½ the roadbed =w, add the triangles formed by taking the distance out to each break in turn (=w's) by the difference between the cuts (or fills) on each side of it (=h's) always subtracting the outer from the inner.

Distances from Center of Roadway for Cross-Sectioning.

Roadway 16 feet wide. Side Slopes 1 on 1½.
For Single Track Embankment.

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

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