G-182

POST'S

LEVEL BOOK

No 331F

+ 3' S. of Inlet Bancroft = 372.96

3773 - Meadel

75.31 - Bet. Angle Points

Barns - F. 7393 - 43rd = R- 4268

Tile = 1.0234 per tile

30" Pipe = 8.0264 Per length.

16" Water pipe = ℄ 4.5' from Curb = Tile = 6.75'

12" " " = ℄ 4.5' " " " = 6.50

12" = Edge of Ditch = 1.25' from Shiners = 3.5' ℄ Ditch

12" Pipe

40+ 29.33 from S. cb.

MADE IN U. S. A.

Shin[illegible] 2.25' from cb

S.E. Tack 44th = 355.43

Curb Grades - Fairmount

S.E. Cor - Fairmount + EL Cajon	
S. End - old cb. =	352.30
N. End Ret =	352.30
N.E. Cor. "	"
N End = Ret = old Cb.	351.34
S End Ret. =	351.45
S.W. Cor. 44th	
S. end	354.88
N. end	354.75
N.E. Cor 44th	
S end	353.40
N. end.	353.51
N.W. Cor 44th	
N. end	352.72
S. End.	352.45

F.O. Jan. 23, 1935

GRADES FOR STORMDRAIN AT TEXAS & EL CAJON

				Flow line Grade	
	Connection to Existing Basin				
5+02.52				312.68	+ incurb 4'E.
4+57.52				312.88	" " " 5'E.
4+12.52				313.09	" " " 5'E
3+67.52				313.30	stub 5'N.
3+22.52	CL. # 15			313.50	" "
2+83.27				313.75	" 4'N.
2+44.02				314.00	" 5'N.
2+04.77				314.25	shiner 5'S.
1+65.52	= CL. # 14			314.50	
1+24.14				314.72	
0+82.76		.00555		314.95	
0+41.38				315.17	
				30"	18" Pipe
0+00	Curb Inlet No. 2			315.40	316.00
57' N.				315.70	
Inlet No.	1.			316.00	
27' E.				317.50	
Inlet No	3.			319.00	
Inlet No.	4.			318.00	
32' W.				317.00	

Osborne
Kilmer
Woods

Jan. 28, 1935

B.M. SE. Howard & Texas 318.04

		π	Indexed C.S.K.		
		321.43			
			4.77	316.66 312.88	+ 3.78
			4.21	317.22 13.09	+ 4.13
			3.72	317.71 13.30	+ 4.41
			2.96	318.47 13.50	+ 4.97
		324.05			
			5.21	318.84 13.75	+ 5.09
			5.49	318.56 14.00	+ 4.56
			4.60	319.45 14.25	+ 5.20
			5.25	318.80 14.50	+ 4.30
		327.11			
Mark on Cb. 2'E.			7.06	20.05 14.72	+ 5.33
" "			6.26	20.85 14.95	+ 5.90
" "			5.59	21.52 15.17	+ 6.35
+ 4' Back	22.15 16.00 + 6.15 to 18" F.L.		4.96	22.15 15.40	+ 6.75
		328.29			
shiner 5' W.			5.49	22.80 15.70	+ 7.10
+ 4' Back			4.61	23.68 16.00	+ 7.68
Shiner 5' N.			4.35	23.94 17.50	+ 6.44
+ 4' Back			3.75	24.54 19.00	+ 5.54
+ 3' W.			5.24	23.05 18.00	+ 5.24
Shiner 5' S.			5.51	22.78 17.00	+ 5.78

7.0 . Jan 23, 1935

B.M. S.W. 43rd & El Cajon 357.73

Grades for Stormdrain on 43rd St.

Top of Hyd. Meade 350.91

Connect to Existing Cleanout 55' N. of N.L. Meade

~~#~~ - Cleanout 333.67 Raised 1.0 3/25

36' South = Angle point = 0+00 = 17' N. of N.L. Meade

0+00		334.03	Face of Curb = 5' E.	+ in Curb 5' W.		3.45	48.30 34.03	+14.27
0+50	36"	334.53	" " "	Mark on Curb 5' E.		4.70	47.05 34.53	+12.52
1+00		335.03		" "		5.28	46.47 35.03	+11.44
1+50	.01	335.53		" "		5.16	46.59 35.53	+11.06
2+00		336.03				5.10	46.65 36.03	+10.62
2+50		336.53		" "	359.84	4.72	47.03 36.53	+10.50
3+00		337.03				12.41	47.43 37.03	+10.40
3+50		337.53				11.26	48.58 37.53	+11.05
4+00		338.03		" "		9.55	50.29 38.03	+12.26
4+50		338.53				7.77	52.07 38.53	+13.54
5+00		339.03				6.09	53.75 39.03	+14.72
5+50		339.53	" " "	" "		4.33	55.51 39.53	+15.98
6+00		340.03				2.86	56.98 40.03	+16.95
6+57 = CL. # 12		340.60						

Fairmount to 43rd

SW. Fairmount = 352.20 = old Elev.
52.25' = New

Inlet at N.E. Cor.			345.80	45.20	Center Stake			51.38 45.80	5.58
24.5' W.	Shiner 5' N.		345.30	44.70			5.92	51.35 45.30	6.05
Inlet at N.W. Cor.	5' Back		344.80	44.[illegible]			5.97	51.30 44.80 6.50	6.50
Inlet #26 S.E.			346.~~00~~ 20		Center stake			52.33 46.20	6.13
24' W.			345.~~60~~ 80		Sh, 5' S			52.03 45.60	+ 6.43
Inlet #25 S.W.	5' Back		~~344~~.30	45.20	52.10 45.00 7.10		4.96	52.31 45.20	7.11
35' N.	shiner 5' W.	.0324	343.17	44.90	50.78 44.40 6.38		5.76	51.51 44.90 6.61	6.61
CL. #13	shiner 7' S.W.		342.00	44.60			6.27	51.00 44.60	6.40
CL. #13 = 0			344.60			56.60			
1 40.50			343.56				5.13	51.47 43.56	7.91
2 P.V.C. 20.25'			342.52 42.05		51.72 42.05 = + 9.67	60.35	8.73	51.62 42.52	9.11
3 20.25'			341.70 41.44		52.23 41.44 + 10.79		8.48	51.87 41.70	10.17
4 E.V.C.			341.30				7.61	52.74 41.30	11.44
5			341.12				6.37	53.98 41.12	12.86
6			340.95				5.17	55.18 40.95	14.23
7			340.78				4.03	56.32 40.78	15.54
8 = CL.12			340.60				3.05	57.30 40.60	16.70

Grades For Strorm Drain No.2 - El Cajon + Illonais to Boundary + Polk.

						7.0. Jan. 21, 1935			Start-B.M.	S.E. Polk + Iowa EL. 356.99	
				Flowline Grade	Grade of.			⊼ 355.85			
30+31 =	℄ Cleanout No.8.			339.34 =	36" Pipe	stub 5' E.	Con. to Exist. Pipe			45.65 36.10	+ 9.55
30+00 =	Angle Point	11° 15' R.									
~~29+92~~				339.75.	.0133	Mark on Curb. 2' N.			8.66	347.19 39.86	+ 7.33
29+61	Brk.			340.27		"	"		7.27	348.58 40.27	+ 8.31
29+11			43.95	343.33		"			4.99	350.86 43.33	+ 7.53
28+61 =	E.L. 32nd		45.03 45.83 46.34 46.56	346.40		"	"		2.78	353.07 46.40	+ 6.67
28+21				346.56		Shiner 5' N.			3.11	352.74 46.56	+ 6.18
27+81 =	W.L. 32nd			346.72		Mark on Curb	2' N.		2.16	353.69 46.72	+ 6.97
27+31		.004		346.92		"	"		1.75	354.10 46.92	+ 7.18
26+81				347.12		"	"		1.22	354.63 47.12	+ 7.51
26+31				347.32		+ in pave. 5'	N.	361.18	6.28	354.90 47.32	+ 7.58
25+81		36"		347.52		Mark on Curb	2' N		5.73	355.45 47.52	+ 7.93
25+31				347.72		"			4.74	356.44 47.72	+ 8.72
24+81 =	E.L. Iowa			347.92		"	" 56.45 = Top of grate		4.25	356.93 47.92	+ 9.01
24+62 =	℄ C.L. #7			348.00		Shiner 5' S.	← C- 0.25		4.47	356.71 48.00	+ 8.71
23+94				348.30		Mark on Curb	5' E.		4.65	356.53 48.30	+ 8.23
23+44		.0044		348.52		" "	"		4.32	356.86 48.52	+ 8.34
22+94				348.74		"			4.21	356.97 48.74	+ 8.23
22+44				348.96		"			3.94	357.24 48.96	+ 8.28

Grades for Storm Drain #2 Cont.

Osborne
Kilmer
Woods

Jan, 28, 1935

BM. S.E. Illionois + El. Cajon
362.44 - checked.
362.49 - Rec.
.46 - From Ohio.

				F.L. Grade							
								361.18			
21+94				349.18		Mark on Corb	5' E.		3.70	357.48 49.18	+ 8.30
21+44		.0044		349.40		"	"	363.40	5.55	357.85 49.40	+ 8.45
20+94				349.62					5.18	358.22 49.62	+ 8.60
20+44				349.84					4.95	358.45 49.84	+ 8.61
19+94				350.05					4.55	358.85 50.05	+ 8.80
19+44	36"			350.27					4.32	359.08 50.27	+ 8.81
18+94				350.49					4.00	359.40 50.49	+ 8.91
18+44				350.71		"	"		3.68	359.72 50.71	+ 9.01
17+94				350.93		"	"		3.52	359.88 50.93	+ 8.95
17+33 = ℄ CL. #6.		Howard + Iowa		351.20		Shiner	5' N.	364.42	4.60	359.82 51.20	+ 8.62
16+72				351.45		Mark on Corb	5' N.		5.00	359.42 51.45	+ 7.97
16+12		.004		351.69		"	"		4.81	359.61 51.69	+ 7.92
15+52				351.93		"	"		4.49	359.93 51.93	+ 8.00
14+92	36"			352.17		"	"		4.45	359.97 52.17	+ 7.80
14+32				352.41		"	"		4.13	360.29 52.41	+ 7.88
13+72				352.65		"	"		3.99	360.43 52.65	+ 7.78
13+11 = ℄ CL. #5		Illinois + Howard		352.90		shiner 5' W.			4.07	360.35 52.90	+ 7.45
12+63				353.09				365.91	4.95	60.96 53.09	+ 7.87
12+15				353.27					4.83	61.08 53.27	+ 7.81

						365.91			
11+67				353.46	Mark on cb. 5' W.		4.64	61.27 53.46	7.81
11+19				353.65			4.43	61.48 53.65	7.83
10+71	36"			353.84			4.31	61.60 53.84	7.76
10+23				354.02			4.12	61.79 54.02	7.77
9+75				354.21			4.03	61.88 54.21	7.67
9+27	= ℄ C.L. No.4	Illionois + EL.C.		354.40	sh. 5' E.		4.01	61.91 54.40	7.51
8+90	30"			354.54	Mark on cb. 8' S.	367.88	5.85	62.03 54.54	7.49
8+53		.0039		354.69	"		5.74	62.14 54.69	7.45
8+16.				354.83	"		5.67	62.21 54.83	7.38
7+79	9-Parts 37'			354.98	"		5.50	62.38 54.98	7.40
7+42				355.12	"		5.40	62.48 55.12	7.36
7+05				355.27	"		5.26	62.62 55.27	7.35
6+68				355.41	"		5.14	62.74 55.41	7.33
6+31				355.56	"		5.01	62.87 55.56	7.31
5+94	= C.L. No.3 = 6+08 Page 9.			355.70	Sh. 5' S		5.50	62.38 55.70	6.68
10'- B-2	No. 11	N.E. Polk + Iowa		355.10					
15'-B-2	No. 13	N.W. Howard + Iowa		352.00					
G Curb Inlet	No. 14	N.E. Polk + Iowa		350,99			5.19	56.69 50,99	+ 5.70

Grades for Storm Drain at 47th St.

0+00 = ℄	Curb Inlet	No. 22		339.60	47.78
0+50				338.72	48.13
1+00				337.84	48.20
1+20 =	P.V.C.	.01756		337.49	48.40
1+40				337.17	48.43
1+60				336.91	48.51
1+80				336.72	48.53
2+00 =	E.V.C.			336.59	
2+50				336.34	
3+00				336.09	
3+50				335.84	
4+00				335.58	
4+50				335.33	
5+00				335.08	
5+50				334.83	
6+00				334.58	
6+38				334.38	
6+76				334.19	
7+14 = ℄	Cleanout	No. 14		334.00	
Angle 48° Left.					
7+64				332.50	
8+14 = ℄	Outlet.			331.00	

BM: 47th + El Cajon S.W. 347.20

		⊼			
		353.05			
+8.18					
+9.41	N.W.		5.37	47.68 37.56	+ 10.12
+10.36	W.		4.92	48.13 37.35	+ 10.78
+10.91	"		4.85	48.20 37.10	+ 11.10
+11.26					
+11.60			~~4.64~~	~~48.41~~ 36.84	~~+ 11.57~~
+11.81 "	"				
			4.58	48.47 36.59	+ 11.88
			4.22	48.83 36.34	+ 12.49
			4.31	48.74 36.09	+ 12.65
"	"	349.95	4.67	48.38 35.84	+ 12.54
			2.19	47.76 35.58	+ 12.18
			2.88	47.07 35.33	+ 11.74
			4.74	45.21 35.08	+ 10.13
			5.56	44.39 34.83	+ 9.56
"			6.11	43.84 34.58	+ 9.26
"	"		7.78	42.17 34.38	+ 7.79
"	"	345.80	8.51	41.44 34.19	+ 7.25
5' N.		343.86	4.63	41.17 34.00	+ 7.17
5' E.			7.90	35.96 32.50	+ 3.46
			11.20	32.66 31.00	1.66

Curb Inlet Type A-2 10' opening	at C.L.	#14
Top of cb. grade =	343.40	
N. end 5' E.	41.56	-1.84
S. end 5' E.	41.90	-1.50

Drain On EL Cajon

Curb Inlet At Uclid St.	340.60	46.68 41.10
51' W. =	340.35	46.86 40.90
" " .0049	340.10	47.03 40.70
" "	339.85	47.24 40.50
" " = Inlet No. 22	339.60	47.78 40.30
12' W. = Angle Point	339.71	
34' W.	340.04	
34' W. = Conc. Lug.	340.37	
33' S	340.68	
33' S = Type "G" Inlet S.E. Cor. 47th	341.00	

INDEXED
W.K.
OCT 14 1948

o.K.	352.46			
+ 5.56		5.78	46.68 40.60	~~6.08~~
+ 5.96 Mark face of cb. 2' S.		5.60	46.86 38.35	~~6.51~~
" 6.33 " "		5.43	47.03 38.10	~~6.93~~
" 6.74 " "		5.22	47.24 37.85	~~7.39~~
+ 7.48 + 5' Back		4.68	47.78 37.60	8.18 ~~10.18~~
face of cb. 5.5' N.		4.75	47.71 39.71	8.00
" " "		4.56	47.90 40.04	7.86
" "		4.19	48.27 40.37	7.90
Shiner 5' W.		4.77	47.69 40.68	7.01
+ 4' Back		5.35	47.11 41.00	6.11

Storm Drain No. 2 Cont. 30th + EL Cajon

See Page 6

N.E. B.P. 364.15

0+00 Inlet # 7 = N.E.		358.22	+ 5' Back.	69.12	4.96	64.16 58.22	5.94
17' W.		358.16	sh. 5' N.		5.51	63.61 58.16	5.45
18' E.		358.07	" " "		5.26	63.86 58.07	5.79
0+54 = Inlet No. 5 N.W.	^	358.00	+ 5' Back	369.47	4.84	64.63 58.00	+ 6.63
E = 58.5' S.	.0047	357.72	sh. 5' W.		5.22	64.25 57.72	+ 6.53
1+71 = Inlet No. 6 S.W.	^	357.45	" 5' S.		4.78	64.69	+ 7.24
18' E.		57.38	" 5' S		5.57	63.90	+ 6.52
2+11 = B.C.		357.29	" " "		5.73	63.74 57.29	+ 6.45
27.5' 2+38.5	.004	357.18	+ 5' S.	69.42	5.20	64.22 57.18	7.04
2+66 =		357.07	+ 6.5 S.		5.37	64.05 57.07	6.98
2+93.5		356.96	+ 8' S		5.49	63.93 56.96	6.97
3+21 = E.C.		356.85	Mark on Cb 8' S		5.56	63.86 56.85	7.01
44.2 = 1		356.67	"	68.48	4.86	63.62 56.67	6.95
" 2		356.50	"		5.03	63.45 56.50	6.95
3		356.32	"		5.18	63.30 56.32	6.98
4		356.14	"		5.26	63.22 56.14	7.08
5+42 = 5 - W.L. Ohio St.		355.96	"		5.47	63.01 55.96	7.05
33' E.	.004	355.83	sh. 5' S.		6.00	62.48 55.83	6.65
6+08 = CL. No. 3	"	355.70	Page 6 sh. 5' S.		6.09	62.39	+ 6.68

Storm Drain – Bancroft to 33rd

B.M. S.W. B.P. 33rd & El Cajon – 374.25

			376.73			
Flowline B-2 Inlet on Bancroft.	366.90	Stake 3 Back		3.73	73.00 66.90	+ 6.10
28' S = ℄ C.L. .00956	366.63	shiner 5' W.		4.51	72.22 66.63	+ 5.59
40' E = Mark face of cb 2' S of ℄	366.25			4.56	72.17 66.25	+ 5.92
40' E " " " " Angle Point	365.87			4.96	71.77 65.87	+ 5.90
28' E = Con. to Inlet. W. end	365.60			4.73	72.00 65.60	+ 6.40
" " " E. end	365.60			4.78	71.95 65.60	+ 6.35
30' E = Mark – f.cb 2' S. = Angle Point	365.93			4.86	71.87 65.93	+ 5.94
53' E " " "	366.51			4.46	72.27 66.51	+ 5.76
" " Shiner in pave. 5' S.	367.09		379.41	4.55	72.18 67.09	+ 5.09
" " .01097	367.67	+ in Driveway 5' N.		6.26	73.15 67.67	+ 5.48
" "	368.25	Mark face of cb. 2' S.		5.72	73.69 68.25	+ 5.44
" "	368.83			5.29	74.12 68.83	+ 5.29
" "	369.42			4.98	74.43 69.42	+ 5.01
53' E = Inlet Type G. on 33rd	370.00			4.36	75.03 70.00	+ 5.03

Culverts + Inlets on El Cajon - St. Drain #2

See Page 9

Inlet # 8 - G" - N.W. OHIO		358.00		4.91	63.71 58.00	5.71
℄	sh. 5' N.	57.55		5.00	63.62 57.55	6.07
Inlet # 9 - N.E. Ohio		357.10		4.44	64.18 57.10	7.08
℄	sh. 5' E.	56.40		4.99	63.63 56.40	7.23
C.L. # 3	sh. 5' S	355.70				6.68
			68.00			
Inlet # 10 N.W. Illinois		357.50		4.88	63.12 57.50	5.62
℄ 52' S	sh. 5' W.	56.00		5.75	62.25 56.00	6.25
C.L. # 4		354.50				7.51

St. Drain #3 - 43rd West

S.W. Van Dyke 363.64

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W.K.
OCT 14 1948

0+00 = C.L. #12 - 43rd		348.55			57.36 48.55	+ 8.81
0+43		348.72	368.01	8.86	59.15 48.72	10.43
0+86		348.88		7.37	60.64 48.88	11.76
1+29	30" Pipe	49.05		6.05	61.96 49.05	12.91
1+72		49.22		5.19	62.82 49.22	13.60
2+15	.0039	49.39		4.80	63.21 49.39	13.82
2+58		49.56		4.53	63.48 49.56	13.92
3+01		49.72		4.23	63.78 49.72	14.06
3+44		49.89		3.99	64.02 49.89	14.13
3+87		50.06	367.83	3.88	63.95 50.06	13.89
4+30		50.23		4.01	63.82 50.23	13.59
4+73		50.39		4.24	63.59 50.39	13.20
5+16		50.56		4.28	63.55 50.56	12.99
5+59		50.73		4.39	63.44 50.73	12.71
6+02		50.90		4.46	63.37 50.90	12.47
6+45 = C.L. #11 - Copeland		351.06		4.88	62.95 51.06	11.89
Inlet #21 - G - N.W. Copland		356.00			63.88 56.00	7.88

St. Drain # 3 - 40th to 38th ✓

						371.48			
Inlet No. 17	N.W. 40th			359.50			5.01	66.47 59.50	6.97
0+00 = C.L.# 9 = W.Cb. 40th				357.33			5.43	66.05 57.33	8.72
0+37.5				57.47			5.21	66.27 57.47	8.80
0+75				57.62			5.16	66.32 57.62	8.70
1+125				57.76			5.14	66.34 57.76	8.58
1+50		.0038		57.90			5.05	66.43 57.90	8.53
1+87.5				58.04			4.96	66.52 58.04	8.48
2+25	24"			58.18			4.96	66.52 58.18	8.34
2+62.5				58.33			4.95	66.53 58.33	8.20
3+00 = Luq.				58.47		373.44	~~6.82~~	66.64 58.47	8.17
3+25 = Luq. W.Cb. 39th = 0+00				358.56			6.74	66.70 58.56	8.14
0+50				58.75			6.32	67.12 58.75	8.37
1+00	18"			58.94			5.90	67.54 58.94	8.60
1+50		.0038		59.13			5.45	67.99 59.13	8.86
2+00	P.V.C.			59.32			4.96	68.48 59.32	9.16
2+25				59.42			4.80	68.64 59.42	9.22
2+50				59.51			4.58	68.86 59.51	9.35
2+75				59.60			4.43	69.01 59.60	9.41
3+00	E.V.C.			59.70			4.60	68.84	9.14
3+26 = Inlet # 15 - N.W. 38th				359.80			3.69	69.75	9.95

Inlets + Culverts For St. Drain # 3

			372.83			
Inlet S.W. Cor. 39th		361.50 = in		4.95	67.89 61.50	6.39
40' N. - ℄ El Cajon = Sh. 5' W.	.029	61.15 = in		5.57	67.26 59.84	7.42
69' N. Luq. - sh. 6 S.W.		359.00		6.19	66.64 59.00	7.64
Inlet #16 N.W. Cor. 39th		360.50		5.89	66.94 60.50	6.44
Inlet #20-G N.W. 42nd		354.56			64.78 54.56	10.22
Inlet #19-G - N.W. 41st		360.00			64.74 60.00	4.74
Inlet - G - S.W. 41st		357.20	70.06	5.33	64.73 57.20	7.53
40' N. = ℄ EL Cajon = sh. 5' W.	.015	56.60		5.86	64.20 56.60	7.60
C.L. #10 = sh. 6' N.E.		356.15			64.15 56.15	8.00
C.L. #10 - 24" Pipe from #19 = Shin 6' N.E.		359.00			64.15 59.00	5.15

St. Drain #3 Cont. from Page 12 - Copeland West.

363.02 SW. Copeland

364.47 = SW. 42nd

0+00 = C.L.# 11 - N.W. Copeland		351.06	368.82	5.87	62.95 51.06	11.89
0+50		51.25		5.57	63.25 51.25	12.00
1+00		51.44		5.50	63.32 51.44	11.88
1+50	.0038	51.63		5.38	63.44 51.63	11.81
2+00		51.82		5.34	63.48 51.82	11.66
2+50		52.01		5.18	63.64 52.01	11.63
3+00		52.20		5.04	63.78 52.20	11.58
3+25 = Loq. N.W. 42nd = 0+00		352.30	369.92	4.76	64.06 52.30	11.76
0+50		52.49		5.57	64.35 52.49	11.86
1+00		52.68		5.43	64.49 52.68	11.81
1+50		52.87		5.28	64.64 52.87	11.77
2+00	.0038	53.06		5.17	64.75 53.06	11.69
2+50		53.25		4.98	64.94 53.25	11.69
3+00		53.44	369.76	4.65	65.27 53.44	11.83
3+50		53.63		4.61	65.15 53.63	11.52
4+00		53.82		4.66	65.10 53.82	11.28
4+50		54.01		4.85	64.91 54.01	10.90
5+00		54.20		4.97	64.79 54.20	10.59

			369.76			
5+50		54.39		5.07	64.69 54.39	10.30
6+00		54.58		5.13	64.63 54.58	10.05
6+55 0+00	= C.L. # 10-NW. 41st	354.78	370.06	5.60	64.16 54.78	9.38
0+50		54.97		5.55	64.51 54.97	9.54
1+00		55.16		5.66	64.40 55.16	9.24
1+50		55.35		5.56	64.50 55.35	9.15
2+00		55.54		5.51	64.55 55.54	9.01
2+50	.0038	55.73		5.42	64.64 55.73	8.91
3+00		55.92	370.43	5.26	64.80 55.92	8.88
3+50		56.11		5.47	64.96 56.11	8.85
4+00		56.30		5.22	65.21 56.30	8.91
4+50		56.49		4.98	65.45 56.49	8.96
5+00		56.68		4.92	65.51 56.68	8.83
5+50		56.87		4.68	65.75 56.87	8.88
6+00		57.06		4.74	65.69 57.06	8.63
6+35		57.19		4.63	65.80 57.19	8.61
6+70	= CL. # 9-40th	357.33		4.38	66.05 57.33	8.72

Extra 18" Storm Drain 38th to 37th

						377.11			
0+00 = Inlet N.W. Cor 38th		365.00					7.46	69.65 65.00	4.65
0+40 = Angle Point		65.24					6.86	70.25 65.24	5.01
0+80		65.48					6.41	70.70 65.48	5.22
1+20		65.72					5.93	71.18 65.72	5.46
1+60		65.96					5.41	71.70 65.96	5.74
2+00		66.20					5.02	72.09 66.20	5.89
2+40		66.44			B.M.-4.21-72.90		4.56	72.55 66.44	6.11
2+75	.006	66.65				380.16	3.85	73.26 66.65	6.61
3+20		66.92	✓				7.33	72.83 66.92	5.91
3+60		67.16					6.64	73.52 67.16	6.36
4+00		67.40					6.38	73.78 67.40	6.38
4+40		67.64					6.16	74.00 67.64	6.36
4+80		67.88					5.67	74.49 67.88	6.61
5+20		68.12					5.30	74.86 68.12	6.74
5+60		68.36					5.02	75.14 68.36	6.78
5+81 = Angle Pt.		68.49					4.75	75.41 68.49	6.92
6+26		68.76					4.86	75.30 68.76	6.54
6+71 = Inlet N.W. 37th		369.03		+ 5' Back	6.61=73.54		4.52	75.64 69.03	6.61

TILE DRAIN GRADES

377.31 = Top Hyd. N.E. Oregon

North Side		370.03		Flowline N. Side	
50 W. of W.L. Hamilton = Top. Cb.		7.91	62.12	361.33	0.79
W.L. Hamilton	"	3.31	66.72	362.40	4.32
℄ = 40' "	sh. 5' N.	2.88	67.15	363.25	3.90
EL. " = 0+00	"	1.66	68.37	364.10	4.27
0+50	376.92 "	7.55	69.37	365.17	4.20
1+00		6.64	70.28	366.23	4.05
1+50		5.57	71.35	367.30	4.05
2+00		4.54	72.38	368.37	4.01
2+50		4.17	72.75	369.43	3.32
3+00 = W.L. Oregon		2.51	74.41	370.50	3.91
40' = ℄	"	2.85	74.07	370.65	3.42
0+00 = E.L.	"	1.93	74.99	371.91	3.08
0+50	380.35	5.20	75.15	372.01	3.14
1+00		5.04	75.31	372.11	3.20
1+50		4.92	75.43	372.21	3.22
2+00		4.74	75.61	372.31	3.30
2+40		4.66	75.69	372.39	3.30
3+00 = W.L. Idaho		4.52	75.82	372.51	3.31

South Side		370.03		Flowline S. side	
Same sta.		8.95	61.08	360.33	0.75
←		4.25	65.80	361.35	4.45
		3.68	66.35	362.18	4.17
		2.68	67.35	363.00	4.35
	376.92	8.44	68.48	363.70	4.78
		7.24	69.68	364.40	5.28
		6.04	70.88	365.10	5.78
		4.89	72.03	365.80	6.23
		3.70	73.22	366.50	6.72
		2.50	74.42	367.20	7.22
		2.73	74.19	367.50	6.69
0+00 = E.L. Oregon		1.85	75.07	367.80	7.27
0+40	380.35	5.09	75.26	368.00	7.26
0+80		5.02	75.32	368.20	7.12
1+20 = Break		4.79	75.56	368.40	7.16
1+65		4.72	75.63	368.65	6.98
2+10		4.66	75.69	368.91	6.78
2+55		4.46	75.89	369.16	6.73
3+00 = W.L. Idaho		4.35	76.06	369.42	6.58

Tile Drains Cont.

North Side			El. shiner	Flow Line		South Side				Flow Line	
30' W. of E.L. Idaho	378.32	3.32	75.03	71.77	3.26	Same Sta.	378.32	3.02	75.36	69.71	5.65
E.L. " 0+00	Brk.	3.83	74.49	371.33	3.16			3.65	74.67	369.88	4.79
0+50		4.19	74.13	70.83	3.30			3.98	74.34	69.55	4.79
1+00		4.68	73.64	70.33	3.31			4.36	73.96	69.21	4.75
1+50	Shiners 2' South	5.34	72.98	69.83	3.15		Shiners 2' North	4.90	73.42	68.88	4.54
2+00		5.69	72.63	69.33	3.30			5.20	73.12	68.55	4.57
2+50		6.21	72.11	68.83	3.28			5.60	72.72	68.21	4.51
W.L. Utah = 3+00		6.71	71.61	368.33	3.28			5.97	72.35	367.88	4.47
℄ "		7.10	71.22	67.83	3.39			6.23	72.09	67.38	4.71
E.L. Utah = 0+00	374.58	3.91	70.67	367.33	3.34					366.88	
0+50		4.31	70.27	66.90	3.37					66.38	
1+00		4.80	69.78	66.46	3.32					65.88	
1+50		5.21	69.37	66.03	3.34					65.38	
2+00		5.69	68.89	65.60	3.29					64.88	
2+50		6.14	68.44	65.16	3.28					64.38	
W.L. Kansas = 3+00		6.45	68.13	364.73	3.40					363.88	
℄ = 3+46		6.85	67.73	64.33	3.40						
E.L.$^{3+80}$ " = 0+00		7.11	67.47	63.93	3.54						

	370.94				
E.L. Kansas = 0+00		3.51	67.43	63.93	3.54
0+50		4.10	66.84	63.43	3.41
1+00		4.60	66.34	62.93	3.41
1+50		5.13	65.81	62.43	3.38
2+00		5.68	65.26	61.93	3.33
2+50		6.27	64.67	61.43	3.24
W.L. 30th = 3+00		7.02	63.92	360.93	2.99
℄ 10'-E.					
↓ ℄ 4'-W.	369.07				
E.L. 30th = 0+00		5.49	63.58	60.72	2.86
0+51		5.37	63.70	60.58	3.12
1+01		5.48	63.59	60.45	3.14
1+51		5.64	63.43	60.32	3.11
2+01		5.60	63.47	60.19	3.28
2+51		5.62	63.45	60.06	3.39
W.L. Ohio = 3+01 =		5.79	63.28	59.93	3.35
℄				59.87	
E.L. Ohio = 0+00			63.46	59.80	3.66

BM. 372.25 = 7 Tack S.E. Utah

			S.	F.L.	
	375.83				
1+50		5.91	69.92	365.38	4.54 ✓
2+00		5.34	70.49	365.88	4.61 ✓
2+50		4.82	71.01	366.38	4.63 ✓
3+00 = E.L. Utah		4.34	71.49	366.88	4.61 ✓
40' = ℄		3.84	71.99	367.38	4.61
0+00 = W.L. "		3.57	72.26	367.88	4.38
	378.83				
0+50		6.17	72.66	368.21	4.45
1+00		5.80	73.03	368.54	4.49
1+50		5.48	73.35	368.88	4.47
2+00		5.04	73.79	369.21	4.58
2+50		4.60	74.23	369.54	4.69
3+00 = E.L. Idaho		4.34	T.P. 374.49	369.88	4.61
00+25 End				370.24	

North Side				F.L.	
	368.41				
E.L. Ohio = 0+00		4.95	63.46	59.80	3.66
0+50		5.05	63.36	59.72	3.64
1+00		5.19	63.22	59.65	3.57
1+50		5.34	63.07	59.57	3.50
2+00		5.48	62.93	59.49	3.44
2+50		5.61	62.80	59.41	3.39
3+00 = W.L. Illinois		6.00	62.41	359.33	3.08
40' ℄		5.64	62.77	59.58	3.19
40' E.L. Illinois 0+00		5.10	63.31	359.83	3.48
	374.83				
0+50		9.96	64.87	61.58	3.29
1+00		8.25	66.58	63.33	3.25
1+50		6.47	68.36	65.08	3.28
2+00		4.91	69.92	66.83	3.09
2+50		3.23	71.60	68.58	3.02
3+00 = W.L. Iowa		1.59	73.24	370.33	2.91
40' = ℄		0.78	74.05	70.83	3.22
0+00 = E.L. Iowa		0.44	74.39	371.33	3.06

	367.27					
0+00 = W.L. Ohio		4.63	62.64	357.88	4.76	
	368.69					
0+50		5.91	62.78	358.09	4.69	
1+00		5.86	62.83	358.20	4.53	
1+50		5.74	62.95	358.51	4.44	
2+00	Shiners 1' S. of Ditch	5.50	63.19	358.72	4.47	
2+50		5.36	63.33	0.043 358.92	4.40	
3+01 = E.L. 30th		5.15	63.54	359.44	4.10	
40' = ℄				359.31		
0+00 = W.L. 30th		4.67	64.02	359.48	4.54	✓
	372.01					
0+50		7.35	64.66	360.06	460	✓
1+00		6.84	65.17	360.64	4.53	✓
1+50	Sh. 1.25' S.	6.24	65.77	361.22	4.55	✓
2+00		5.63	66.38	361.80	4.58	✓
2+50		5.04	66.97	362.38	4.59	✓
2+99 = E.L. Kansas		4.39	67.62	362.96	466	✓
40' = ℄		3.91	68.10	363.42	468	✓
0+00 = W.L. "		3.58	68.43	363.88	4.55	✓
	375.83					
0+50		6.83	69.00	364.38	462	✓
1+00		6.52	69.31	364.88	4.43	

N. Side	⊼	Rod.	F.L Shmer	F.L.	Cuts
0+00 = E.L. Iowa.				371.33	3.06
0+32.72 = 1	379.63	4.80	74.83	71.85	2.98
2		4.24	75.39	72.37	3.02
3		3.64	75.99	72.89	3.10
4		3.12	76.51	73.41	3.10
1+63.60 5 = Angle Point. Boundary		2.38	77.25	373.93	3.32
37.65 = ℄		2.08	77.55	74.13	3.42
" 0+00 Angle Point E. Side Boundary		2.53	77.10	374.33	2.77
0+33.50	380.80	3.73	77.07	73.95	3.12
0+67		3.92	76.88	73.58	3.30
1+00.50		4.30	76.50	73.20	3.30
1+34 = W.L. 32nd		4.45	76.35	372.83	3.52
30' = ℄		4.87	75.93	72.68	3.25
0+00 = E.L. 32nd		5.04	75.76	372.53	3.23
0+50		5.62	75.18	71.98	3.20
1+00	.0109	6.14	74.66	71.43	3.23
1+50		6.73	74.07	70.88	3.19
2+00		7.30	73.50	70.34	3.16
2+46.60 = W.L. Bancroft.		7.87	72.93	369.83	3.10

South Side El Cajon
Con't from P 29.

					cuts
1+53	378.45	4.93	73.52	69.22	4.30
2+04 = E.L. Iowa		5.79	72.66	368.30	4.36
40' = ℄		5.68	72.77	67.65	5.12
0+00 W.L. "		7.01	71.44	367.00	4.44
0+50		8.57	69.88	65.47	4.41
1+00	370.68	2.34	68.34	63.93	4.41
1+50		3.88	66.80	62.40	4.40
2+00		5.47	65.21	60.87	4.34
2+50		7.05	63.63	59.33	4.30
3+00 = E.L. Illinois		8.53	62.15	357.80	4.35
40 = ℄	shin. 1's.	8.20	62.48	357.84	5.14
0+00 = W.L. "	367.27	5.75	61.52	356.88	4.64
0+50		5.63	61.64	357.01	4.63
1+00		5.51	61.76	357.14	4.62
1+50	+ in cb.	4.77	62.50	357.27	5.23
2+00		5.24	62.03	.0026 357.40	4.63
2+50		5.12	62.15	357.53	4.62
3+00 = E.L. Ohio		5.00	62.27	357.66	4.61
E.L. Ohio + 16 40 = ℄		4.81	62.46	357.33 357.77	4.69

Shiners 1' S. of Ditch

	377.40				
℄		4.90	72.50	69.43	3.07
30' = E.L. Bancroft		5.28	72.12	369.03	3.09
47'		5.93	71.47	68.51	2.96
94' = Brk. Culvert		6.39	71.01	368.00	3.01
43.33 1		5.90	71.50	68.32	3.18
2 "		5.52	71.88	68.65	3.23
130' 3 = W.L. 33rd Place.		5.14	72.26	368.80	3.46
36' = E.L. " "		4.89	72.51	68.93 ~~369.17~~	3.58 ~~3.34~~
0+50		4.44	72.96	69.46	3.50
1+00		4.01	73.39	69.75	3.64
1+50		3.66	73.74	70.03	3.71
2+00		3.27	74.13	70.32	3.81
2+36 = W.L. 33rd		2.95	74.45	370.53	3.92
40' = ℄		2.86	74.54	71.03	3.41
40' = E.L. 33rd	380.76	6.05	74.71	371.53	3.18
53 = 1		5.78	74.98	71.77	3.21
2		5.50	75.26	72.01	3.25
3		5.11	75.65	72.25	3.40

Tile Drain and Water

South Side El Cajon.

Con't from P30

	378.38		El. Shiner	Grade	
3+50	Brk.	7.50	70.88	366.50	4.38
3+91 = E. Conn. to 24" Pipe		6.99	71.39	cut 2 from top of Pipe	
4+02 = W. " " "		7.00	71.38	cut 2 " " " "	
4+50		7.40	70.98	366.60	4.38
	379.82				
5+00		8.35	71.47	67.12	4.35
5+50		7.73	72.09	67.64	4.45
6+00		7.27	72.55	68.16	4.39
6+50		6.76	73.06	68.68	4.38
7+00		6.29	73.53	69.20	4.33
7+50		5.71	74.11	69.72	4.39
8+00		5.13	74.69	70.24	4.45
8+50		4.75	75.07	70.76	4.31
9+00		4.28	75.54	71.28	4.26
9+30		3.96	75.86	71.58	4.28
9+61 = E.L. Boundary		3.54	76.28	371.90 Brk.	4.38
	378.45				
31' = ℄		1.25	77.20	372.30 Brk.	4.90
0+00 = W.L. "		2.02	76.43	372.00 Brk.	4.43
0+51		3.00	75.45	71.08	4.37
1+02		3.97	74.48	70.15	4.33

	380.76				
4		4.76	76.00	72.49	3.51
265 = W.L. Felton		4.43	76.33	372.73	3.60
	382.98				
℄		6.30	76.68	72.88	3.80
E.L. Felton		5.93	77.05	373.03	4.02
0+50		5.46	77.52	73.60	3.92
1+00	Brk.	4.91	78.07	74.16	3.91
1+50		4.45	78.53	74.54 ~~74.73~~	3.99 ~~3.80~~
2+00		3.99	78.99	74.91 ~~75.30~~	4.08 ~~3.69~~
2+34.5		3.69	79.29	75.17 ~~75.68~~	4.12 ~~3.61~~
2+64.5 = W.L. 34th	Brk	3.38	79.60	375.40 ~~376.03~~	4.20 ~~3.57~~
30' = ℄	Brk 384.94	5.33	79.61	75.58 ~~76.18~~	4.03 ~~3.43~~
30' = E.L. 34th	Brk	5.01	79.93	376.13 ~~376.33~~	3.80 ~~3.60~~
0+50	Brk	5.06	79.88	76.40	3.48
1+00		4.91	80.03	76.48	3.45
1+50		4.85	80.09	76.55	3.44
2+00		4.81	80.13	76.63	3.50
2+33		4.74	80.20	76.68	3.52
2+66 = W.L. Swift		4.63	80.31	376.73	3.58
30' = ℄		4.67	80.27	76.83	3.44

South Side El Cajon
Tile Drain & Water Cont from P 31

	382.33				
2+00		5.84	76.49	72.09	4.40
2+35		6.20	76.13	71.83	4.30
2+65 = E.L. Felton		6.38	75.95	371.60	4.35
30' = ℄		6.09	76.24	71.30	4.94
	380.00				
0+00 = W.L. "		4.58	75.42	371.00	4.42
0+50		4.92	75.08	70.76	4.32
1+00		5.07	74.93	70.51	4.42
1+50		5.49	74.51	70.26	4.25
2+00		5.66	74.34	70.02	4.32
2+35		5.84	74.16	69.85	4.31
2+65 = E.L. 33rd		5.90	74.10	369.70	4.40
40' = ℄		5.50	74.50	69.45	5.05
	Top. cb. 378.38	4.10	74.28		5.08
0+00 = W.L. 33rd		6.41	73.59	369.20	~~4.39~~
0+50		5.07	73.31	68.82	4.49
1+00		5.42	72.96	68.43	4.53
1+50		5.80	72.58	68.04	4.54
2+00		6.20	72.18	67.66	4.52
2+50		6.66	71.72	67.27	4.45
3+00		7.14	71.24	66.89	4.35

	385.84				
E.L. Swift		5.20	80.64	376.93	3.71
0+50		5.04	80.80	77.14	3.66
1+00		4.77	81.07	77.34	3.73
1+50		4.83	81.01	77.55	3.46
2+00		4.54	81.30	77.76	3.54
2+34		4.46	81.38	77.90	3.48
2+64 =	W.L. 35th	4.45	81.39	378.03	3.36
	386.04				
40' = ℄		4.26	81.78	78.18	3.60
0+00 = E.L.	35th = High Point.	4.58	81.46	378.33	3.13
0+50		4.81	81.21	78.14	3.07
1+00		4.93	81.11	77.95	3.16
1+50		4.93	81.11	77.76	3.35
2+00		5.13	80.91	77.58	3.33
2+35		5.10	80.94	77.44	3.50
2+65 =	W.L. Wilson	5.25	80.79	377.33	3.46
30' = ℄			80.55	77.18	3.37
E.L. Wilson		5.28	80.76	377.03	3.73

South Side El Cajon.

12" Water 4" Tile Drain
Con't from P 32

	385.59				
0+00 =	W.L. 35th	4.99	80.60	376.20	✓ 4.40
0+50		5.30	80.29	75.96	✓ 4.33
1+00		5.59	80.00	75.71	✓ 4.29
1+50		5.80	79.79	75.46	✓ 4.33
2+00		6.11	79.48	75.22	✓ 4.26
2+35		6.18	79.41	75.05	✓ 4.36
2+65 =	E.L. Swift	6.28	79.31	374.90	4.41
30' = ℄		5.90	79.69	74.80	✓ 4.89
	384.08				
0+00 =	W.L. "	5.12	78.96	374.70	✓ 4.26
0+50		5.16	78.92	74.53	4.39
1+00		5.17	78.91	74.36	4.55
1+50		5.18	78.90	74.19	4.71
2+00		5.28	78.80	74.02	4.78
2+35		5.31	78.77	73.90	4.87
2+65 =	E.L. 34th	5.26	78.82	373.80	5.02
30' = ℄		4.81	79.27	73.70	5.57
	382.33				
0+00 =	W.L. 34th	3.89	78.44	373.60	4.84
0+50		4.33	78.00	73.22	4.78
1+00		4.82	77.51	72.84	4.67
1+50		5.28	77.05	72.47	4.58

E.L. Wilson				377.03	
0+50	384.34	4.16	80.18	76.62	3.56
1+00		4.71	79.63	76.20	3.43
1+50		5.18	79.16	75.78	3.38
2+00		5.45	78.89	75.37	3.52
2+35		5.70	78.64	75.08	3.56
2+65 = W.L. 36th		6.01	78.33	374.83	3.50
30 = ℄	382.26	4.20	78.06	74.68	3.38
0+00 = E.L. 36th		4.42	77.84	374.53	3.31
0+50		4.72	77.54	74.27	3.27
1+00		5.03	77.23	74.00	3.23
1+50		5.33	76.93	73.74	3.19
2+00		5.53	76.73	73.47	3.26
2+35		5.73	76.53	73.29	3.24
2+65 = W.L. Cherokee		5.95	76.31	373.13	3.18
30' = ℄		6.12	76.14	72.98	3.16
0+00 = E.L. "	386.16	4.20	75.96	372.83	3.13
0+50		4.32	75.84	72.64	3.20
1+00		4.56	75.60	72.45	3.15

Note: W.L. Wilson all cuts marked to F.L.

South Side El Cajon Ave.
12" Water 4" Tile Con't from P 33

	382.30				
2+35		5.07	77.23	72.82	4.41
2+65 = E.L. 36th		4.82	77.48	373.00	4.48
30' = ℄		4.35	77.95	73.10	4.85
0+00 = W.L. 36th		4.68	77.62	373.20	4.42
0+50	384.45'	6.46	77.99	73.60	4.39
1+00		6.10	78.35	73.99	4.36
1+50		5.55	78.90	74.38	4.52
2+00		5.25	79.20	74.78	4.42
2+35		4.97	79.48	75.06 ✓	4.42
2+65 = E.L. Wilson		4.73	79.72	375.30 ✓	4.42
30' = ℄		4.28	80.17	75.40 ✓	4.77
0+00 = W.L. "		4.59	79.86	375.50 ✓	4.36
0+50	385.68	5.63	80.05	75.67 ✓	4.38
1+00		5.38	80.30	75.84 ✓	4.46
1+50		5.14	80.54	76.01 ✓	4.53
2+00		5.00	80.68	76.18 ✓	4.50
2+35		4.78	80.90	76.30 ✓	4.60
2+65 = E.L. 35th		4.84	80.84	376.40 ✓	4.44
40' = ℄		4.36	81.32	76.30 ✓	5.02
				376.20	

	380.16				
1+50		4.81	75.35	72.26	3.09
2+00		4.96	75.20	72.08	3.12
2+35		5.16	75.00	71.94	3.06
2+65 =	W.L. 37th	5.32	74.84	371.83	3.01
40' = ℄		5.26	74.90	71.68	3.22
0+00 =	379.75 E.L. 37th	5.03	74.72	371.53	3.19
0+50		5.43	74.32	71.11	3.21
1+00		5.81	73.94	70.70	3.24
1+50		6.22	73.53	70.28	3.25
2+00		6.60	73.15	69.87	3.28
2+35		6.86	72.89	69.58	3.31
2+65 =	W.L. McClintock	7.04	72.71	369.33	3.38
30' = ℄			72.44	67.60 = Low	4.84
0+00 = E.L.	"				
0+33 = E. Side of Tunnel Tunnel-	376.55		72.03	368.90	3.13
0+50		4.72	71.83	68.69	3.14
1+00		5.27	71.28	68.06	3.22
1+50		5.86	70.69	67.44	3.25
2+00		6.51	70.04	66.81	3.23

South Side El Cajon Ave.
12" Water 4" Tile Con't from P.34

	378.38				
2+52		5.54	72.84	68.57	4.27
3+04 =	E.L. 37th	5.36	73.02	368.70	4.32
40' = ℄		4.40	73.98	68.80	5.18
0+00 = W.L.	37th 380.36	5.14	73.24	368.90	4.34
0+50		6.78	73.58	69.28	4.30
1+00		6.42	73.94	69.65	4.29
1+50		6.00	74.36	70.03	4.33
2+00		5.51	74.85	70.41	4.44
2+35		5.30	75.06	70.67	4.39
2+65 =	E.L. Cherokee	5.06	75.30	370.90	4.40
30' = ℄		4.23	76.13	71.15	4.98
~~0+00 =~~		~~4.52~~	~~75.84~~		
39' E. of W.L. N. of S. Side Tile				68.00	
29' E.L. Cajon = ℄			72.86	67.80	5.06
0+00 = W.L.	Cherokee 382.30	4.52	75.84	371.40	4.44
0+50		6.25	76.05	71.70	4.35
1+00		5.94	76.36	72.00	4.36
1+50		5.51	76.79	72.31	4.48
2+00		5.31	76.99	72.61	4.38

* Note: from here on Shiners are 1.25' from Curb = 4.5' N. of ℄ Tile.

2+35	376.55	6.93	69.62	66.38	3.24
2+65 =	W.L. 38th	7.24	69.31	366.00	3.31
30' = ℄		7.59	68.96	65.65	3.31
0+00	E.L. 38th 372.96	4.03	68.93	365.30	3.63
*0+50		4.78	68.18	64.92	3.26
1+00		5.23	67.73	64.54	3.19
1+50		5.66	67.30	64.16	3.14
2+00		6.18	66.78	63.78	3.00
2+35		6.45	66.51	63.52	2.99
2+65 =	W.L. 39th	6.62	66.34	363.30	3.04
30' = ℄		6.73	66.23	63.10	3.13
0+00 =	E.L. 39th 371.58	5.39	66.19	362.90	3.29
0+50		5.56	66.02	62.75	3.27
1+00		5.61	65.97	62.60	3.37
1+50		5.68	65.90	62.45	3.45
2+00		5.84	65.74	62.30	3.44
2+35		5.83	65.75	62.19	3.56
2+65 =	W.L. 40th	5.82	65.76	362.10	3.66
30' = ℄	371.11 10' E.	5.42	65.69	62.45	3.24

40' = W.L. 39th	371.96	5.04	66.92	362.50	4.42
0+50	373.53	6.06	67.47	62.96	4.51
1+00		5.62	67.91	63.41	4.50
1+50		5.16	68.37	63.87	4.50
2+00		4.74	68.79	64.32	4.47
2+50		4.36	69.17	64.78	4.39
3+00		3.71	69.82	65.23	4.59
3+50		3.16	70.37	85 65.69	4.52 ~~4.68~~
4+00		2.66	70.87	24 66.~~14~~	4.63 ~~4.73~~
4+50		2.39	71.14	366.60	4.54
5+00	378.38	6.80	71.58	66.98	4.60
5+50		6.50	71.88	67.36	4.52
5+94 E. Side Tunnel		6.23	72.15	367.70	4.45
5' 41 W. " "			72.24	68.10	4.14
0+00 = Angle Pt. in McClintock		5.92	72.46	367.90	4.56
0+50		5.79	72.59	68.03	4.56
1+00		5.69	72.69	68.16	4.53
1+50		5.68	72.70	68.30	4.40
2+00		5.57	72.81	68.43	4.38

C.L. 41st W.cut 3.60
E.cut 3.53

	371.11				
0+00 =	E.L. 40th	5.30	65.81	362.80	3.01
0+50		5.58	65.53	62.61	2.92
1+00		5.68	65.43	62.42	3.01
1+50		5.90	65.21	62.23	2.98
2+00		6.07	65.04	62.04	3.00
2+35		6.25	64.86	61.91	2.95
2+65 =	W.L. Central	6.37	64.74	361.80	2.94
30' = ℄		6.52	64.59	61.70	2.89
	370.39				
0+00 =	E.L. "	5.80	64.59	361.60	2.99
0+50		5.98	64.41	61.35	3.06
1+00	Brk.	6.04	64.35	61.10	3.25
1+50		6.05	64.34	60.95	3.39
2+00		6.16	64.23	60.80	3.43
2+35		6.15	64.24	60.69	3.55
2+65 =	W.L. 41st	stake 6.23	63.99 64.16	360.60	3.39 ~~3.56~~
30' = ℄		6.18	64.21	60.90	3.31
	370.22				
0+00 =	E.L. "	5.87	64.35	361.20	3.15
0+50		5.76	64.46	61.37	3.09
1+00		5.71	64.51	61.54	2.97

	370.31				
1+00		6.12	64.19	59.24	5.72 ~~4.95~~
1+32 1+50		6.12	64.19	59.41	5.72 4.78
2+00		6.00	64.31	59.58	4.73
2+35		6.05	64.26	59.70	4.56
2+65 =	E.L. Central	5.99	64.32	359.80	4.52
30' = ℄		5.68	64.63	59.90	4.73
0+00 =	W.L. "	5.91	64.40	360.00	4.40
	370.88				
0+50		6.39	64.49	60.19	4.30
1+00		6.23	64.65	60.38	4.27
1+50		6.05	64.83	60.57	4.26
2+00		5.80	65.08	60.76	4.32
2+35		5.56	65.32	60.89	4.43
2+65 =	E.L. 40th	5.47	65.41	361.00	4.41
40' = ℄		4.70	66.18	61.15	5.03
0+00 =	W.L. 40th	4.97	65.91	361.30	4.61
	371.96				
0+50		5.92	66.04	61.50	4.54
1+00		5.75	66.21	61.70	4.51
1+50		5.57	66.39	61.90	4.49
2+00		5.39	66.57	62.10	4.47
2+48 =	E.L. 39th	5.15	66.81	362.30	4.51

	370.22				
1+50		5.51	64.71	61.71	3.00
2+00		5.40	64.82	61.88	2.94
2+35		5.39	64.83	62.00	2.83
2+65 =	W.L. Marlborough		65.03	362.10	2.93
30' = ℄	369.49	4.09	65.40	61.90	3.50
0+00 =	E.L. "	4.74	64.75	361.70	3.05
0+50		5.00	64.49	61.53	2.96
1+00		5.14	64.35	61.36	2.99
1+50		5.21	64.28	61.19	3.09
2+00		5.43	64.06	61.02	3.04
2+35		5.46	64.03	60.90	3.13
2+65 =	W.L. 42nd Connect to St.D.	5.53	63.96	360.80	3.16
40' = ℄		5.90	63.59	60.62	2.97
	369.07				
0+00 =	E.L. "	5.62	63.45	360.45	3.00
0+50		5.77	63.30	60.32	2.98
1+00		5.82	63.25	60.20	3.05
1+50		5.94	63.13	60.08	3.05
2+00		6.03	63.04	59.95	3.09
2+50 = 10' E. = Conn.	W.L. Copeland	6.02	63.05	59.82 359.80	3.23

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Sta	HI 369.07	Rod	Shiner Elev.	TileDrain Flow Line Elev.	Cut
30' = ℄		5.29	63.78	09 59.~~29~~	69 4.~~49~~
0+00 = W.L.	42nd	5.15	63.92	18 59.~~38~~	.74 4.~~54~~
0+50		5.11	63.96	33 59.~~53~~	63 4.~~43~~
1+00		4.96	64.11	48 59.~~68~~	63 4.~~43~~
1+50	.003	4.88	64.19	63 59.~~83~~	56 4.~~36~~
2+00		4.78	64.29	78 59.~~98~~	51 4.~~31~~
2+45		4.64	64.43	59.91 ~~60.11~~	52 4.~~32~~
2+75 = EL	∨ Marlborough	4.61	64.46	00 360.~~20~~	.46 4.~~26~~
30' = ℄		4.05	65.02	60.02	5.00
0+00 = W.L.	" 370.13	4.25	64.82	360.50	4.32
0+50		5.50	64.63	60.35	4.28
1+00		5.56	64.57	60.20	4.37
1+50		5.62	64.51	60.05	4.46
2+00		5.72	64.41	59.90	4.51
2+35		5.76	64.37	59.79	4.58
2+65 = EL	41st	5.86	64.27	359.70	4.57
30' = ℄		5.66	64.47	59.24	5.23
0+00 = W.L.	370.31	6.15	63.98	358.90	5.85 ~~5.08~~
0+50		6.18	64.13	359.07	5.83 ~~5.06~~

Tile Grades - North Side

	369.07				
30' = ℄		6.01	63.06	59.96	3.10
	369.34				
0+00 = E.L. Copeland		5.90	63.44	360.20	3.24
0+50		5.95	63.39	60.35	3.04
1+00		5.82	63.52	60.50	3.02
1+50		5.71	63.63	60.65	2.98
2+00		5.55	63.79	60.80	2.99
2+35		5.46	63.88	60.91	2.97
2+65	W.L. Van Dyke	5.36	63.98	361.00	2.98
30' = ℄		5.77	63.57	60.75	2.82
	366.82				
0+00 = E.L.	" "	3.38	63.44	360.50	2.94
0+50		3.86	62.96	59.86	3.10
1+00		4.41	62.41	59.22	3.19
1+32.5 = Brk.		5.11	61.71	358.80	2.91
1+50		5.44	61.38	58.17	3.21
2+00		7.26	59.56	56.36	3.20
2+35		8.61	58.21	55.09	3.12
2+65 = W.L. 43rd		9.69	57.13	354.00	3.13
30' = ℄		9.90	56.92	53.25	3.67

1+11 = Brk.	367.19	5.04	62.15	357.40	4.75
1+64 = Brk		4.09	63.10	357.90	5.20
2+14.5		4.34	62.85	58.10	4.75
2+65 = E.L. Van Dyke		4.48	62.71	358.30	4.41
30' = ℄		3.75	63.44	58.45	4.99
0+00 = W.L. " "		4.10	63.09	358.60	4.49
	367.84				
0+50		4.81	63.03	58.43	4.66
1+00		4.87	62.97	58.26	4.71
1+50		4.99	62.85	58.09	4.76
2+00		5.06	62.78	57.92	4.86
2+35		5.07	62.77	57.80	4.97
2+65 = E.L. Copeland		5.01	62.83	357.70	5.13
30' = ℄		4.79	63.05	57.96	5.09
0+00 = W.L. "		5.05	62.79	358.~~22~~	4.~~37~~ 57
	368.11				
0+50		5.29	62.82	58.~~57~~ 37	4.~~25~~ 45
1+00	.003	5.06	63.05	58.~~72~~ 52	4.~~33~~ 53
1+50		4.98	63.13	58.~~84~~ 67	4.~~26~~ 46
2+00		4.85	63.26	~~59.02~~ 58.82	4.~~24~~ 44
2+30		4.73	63.38	~~59.11~~ 58.91	4.~~27~~ 47
2+60 = E.L. 42nd		4.51	63.60	59.~~20~~ 00	4.~~40~~ 60

358.10 0+00 = E.L. 43rd	2.51	55.59	352.50	3.09
0+50	4.03	54.07	51.03	3.04
1+00	5.76	52.34	49.56	2.78
1+32.5 = Brk.	6.35	51.75	348.60	3.15
1+50	6.60	51.50	48.48	3.02
2+00	7.00	51.10	48.14	2.96
2+35	7.17	50.93	47.90	3.03
2+65 = W.L. Fairmount	7.30	50.80	347.70	3.10
357.41 0+00 = E.L. Fairmount	5.15	52.26	347.90	4.36
0+32	5.91	51.50	48.15	3.35
0+64	5.62	51.79	48.40	3.39
0+96	5.25	52.16	48.65	3.51
1+28 = W.L. 44th	4.64	52.77	348.90	3.87
30' = ℄	4.82	52.59	49.25	3.34
0+00 = E.L. 44th 360.16	5.24	52.17	349.60	2.57
0+32	6.55	53.61	49.95	3.66
0+64	6.19	53.97	50.30	3.67
0+96	5.84	54.32	50.65	3.67
1+28 = Angle Point	5.51	54.65	351.00	3.65

(Cont. from Page 41)

357.55 2+25	4.91	52.64	47.60	14 5.04
2+70 = E.L. Fairmount	5.23	52.32	347.20	5.12
30.5 = ℄	5.91	51.64	47.05	4.59

6" Sewer at Copeland.

0+00 = S. Side Low point = E.L. Copeland.			357.70	
0+30 = ℄ sh. 3' E.		63.58	57.10	6.48
0+56 = Brk. " " "		63.40	56.58	6.82
0+59 = S. edge 30" St. Drain				
359.56 0+00 = W.L. Fairmount	8.02	51.54	346.90	4.64
0+43.33	7.82	51.74	47.13	4.61
0+86.66	7.69	51.87	47.37	4.50
1+30 = Brk.	7.49	52.07	347.60	4.47
44.66 1+74.66	6.16	53.40	49.00	4.40
2+19.32	4.60	54.96	50.40	4.56
2+64 = E.L. 43rd	3.12	56.44	351.80	4.64
30' = ℄	2.76	56.80	52.30	4.50
0+00 = W.L. 43rd 367.19	2.37	57.19	352.80	4.39
0+37	8.29	58.90	54.33	4.57
0+74	6.60	60.59	55.87	4.72

Tile Grades – North Side

360.16				
1+63.33	5.07	55.09	51.28	3.81
1+98.66	4.75	55.41	51.57	3.84
2+34 = Angle Point	4.44	5572	351.85	3.$\overset{90}{\cancel{87}}$
2+64 = W.L. Highland	5.88	55.15	352.00	3.$\overset{23}{\cancel{15}}$
31.5' ℄	5.67	55.36	52.20	3.16
362.37				
E.L. Highland = 0+00	6.87	55.50	352.40	3.10
0+50	6.60	55.77	52.65	3.12
1+00 = Brk.	6.42	55.95	352.90	3.05
1+50	6.22	56.15	53.10	3.05
2+00	5.98	56.39	53.30	3.09
2+50	5.86	56.51	53.50	3.01
3+00	5.64	56.73	53.70	3.03
3+50	5.46	56.91	53.90	3.01
4+00	5.23	57.14	54.10	3.04
4+50	4.98	57.39	54.30	3.09
364.12				
5+00	6.50	57.62	54.50	3.12
5+38 = Brk.	6.46	57.66	$\overset{.21}{354.65}$	3.01

Tile Drain Grades – South Side

29-N. = to Sh. 27' to Conn.

℄ EL Cajon - Shiner 5' W. = Angle Pt.		47.29	41.28	6.01
355.19				
55' E. of E.L. 47th	8.91	46.28	341.80	4.48
E.L. 47th	8.66	46.53	342.10	4.43
30.4 = ℄	8.57	46.62	42.25	4.37
0+00 = W.L. 47th	8.41	46.78	342.40	4.38
0+50	7.87	47.32	43.00	4.32
1+00	7.20	47.99	43.61	4.38
1+50	6.50	48.69	44.22	4.47
2+00	5.87	49.32	44.82	4.50
2+36.5	5.38	49.81	45.26	4.55
2+73 = E.L. Menlo	5.00	50.19	345.70	4.49
30.45 = ℄	4.73	50.46	45.95	4.51
358.16				
0+00 = W.L. Menlo	7.44	50.72	346.20	4.52
0+50	7.23	50.93	46.46	4.47
1+00	6.97	51.19	46.71	4.48
1+50	6.73	51.43	46.96	4.47
2+00	6.45	51.71	47.22	4.49
2+37.5	6.21	51.95	47.41	4.54
2+75 = E.L. 46th	6.03	52.13	347.60	4.53

North Side

	364.12			
5+73	6.24	57.88	54.80	3.08
6+08	6.12	58.00	54.95	3.05
6+43 = W.L. Chamoune	5.90	58.22	355.10	3.12
30.45' = ℄	5.90	58.22	54.90	3.32
0+00 = E.L. Chamoune	6.38	57.74	354.70	3.04
	359.88			
0+50	2.71	57.17	54.13	3.04
1+00	3.20	56.68	53.57	3.11
1+50	3.86	56.02	53.00	3.02
2+00	4.46	55.42	52.44	2.98
2+42	4.87	55.01	51.97	3.04
2+84 = W.L. 46th	5.28	54.60	351.50	3.10
30.25' = ℄	5.58	54.30	51.25	3.05
0+00 = E.L. "	5.80	54.08	351.00	3.08
0+50	6.18	53.70	50.65	3.05
	358.58			
1+00	5.24	53.34	50.30	3.04
1+50	5.65	52.93	49.96	2.97
2+00	5.90	52.68	49.61	3.07
2+50	6.18	52.40	49.26	3.14
3+00	6.50	52.08	48.92	3.16

South Side

	358.16			
30.15' = ℄	5.82	52.34	47.80	4.54
0+00 = W.L. 46th 360.82	8.34	52.48	348.00	4.48
0+50	7.84	52.98	48.51	4.47
1+00	7.33	53.49	49.02	4.47
1+50	6.81	54.01	49.53	4.48
2+00	6.31	54.51	50.04	4.47
2+37.5	5.98	54.84	50.42	4.42
2+75 = E.L. Chamoune	5.50	55.32	350.80	4.52
30.35' = ℄	4.48	56.34	51.10	5.24
0+00 = W.L. "	4.71	56.11	351.40	4.71
	363.22			
0+50	6.78	56.44	51.68	4.76
1+00	6.35	56.87	51.97	4.90
1+50	5.94	57.28	52.25	5.03
2+00	5.93	57.29	52.54	4.75
2+11 = E. Side Tunnell		57.22	352.60	4.62
2+20 W. " "		57.20	353.20	4.00
2+38.5	6.04	57.18	53.08	4.10
2+77 = E.L. 45th	6.12	57.10	352.80	4.30
	362.17			
30.5' ℄	4.66	57.51	52.70	4.81
0+00 = W.L. 45th	5.28	56.89	352.60	4.29
0+50	5.46	56.71	52.42	4.29

	358.58				
3+50		6.80	51.78	48.57	3.21
3+89 =	W.L. Menlo	7.17	51.41	348.30	3.11
30.45' = ℄		7.43	51.15	47.95	3.20
	353.73				
0+00 =	E.L. "	3.05	50.68	347.60	3.08
0+50		3.57	50.16	47.12	3.04
1+00		4.07	49.66	46.64	3.02
1+50		4.61	49.12	46.16	2.96
2+00		5.02	48.71	45.68	3.03
2+50		5.54	48.19	45.20	2.99
3+00		5.98	47.75	44.72	3.03
3+50		6.42	47.31	44.24	3.07
3+75 =	Con. 6' W. of W.L. 47th St.	6.62	47.11	344.00	3.11
Connection	for Line from South:			340.80	6.31

72' Tile at Uclid = .2 above f.l. of Inlet - .6 Rise

	362.17				
1+00		5.58	56.59	52.23	4.36
1+50		5.61	56.56	52.05	4.51
2+00		5.78	56.39	51.87	4.52
2+37		5.92	56.25	51.74	4.51
2+74 =	E.L. Highland	6.00	56.17	351.60	4.57
33' = ℄		5.69	56.48	51.45	5.03
	361.27				
0+00 =	W.L. "	5.57	55.70	351.30	4.40
0+43.5		5.62	55.65	51.12	4.53
0+87		5.69	55.58	50.94	4.64
1+30.5		5.84	55.43	72 50.77	4.66
1+74 =	Angle Point	5.92	55.35	50.59	4.76
2+22		6.16	55.11	50.40	4.71
	357.55				
2+70 =	E.L. 44th	2.76	54.79	350.20	4.59
30' = ℄		2.77	54.78	49.90	4.88
0+00 =	W.L. 44th	2.76	54.79	349.60	5.19
0+45		3.12	54.43	49.20	5.23
0+90		3.59	53.96	48.80	5.16
1+35		4.06	53.49	48.40	5.09
1+80		4.49	53.06	48.00	26 5.06

(Cont. on Page 38)

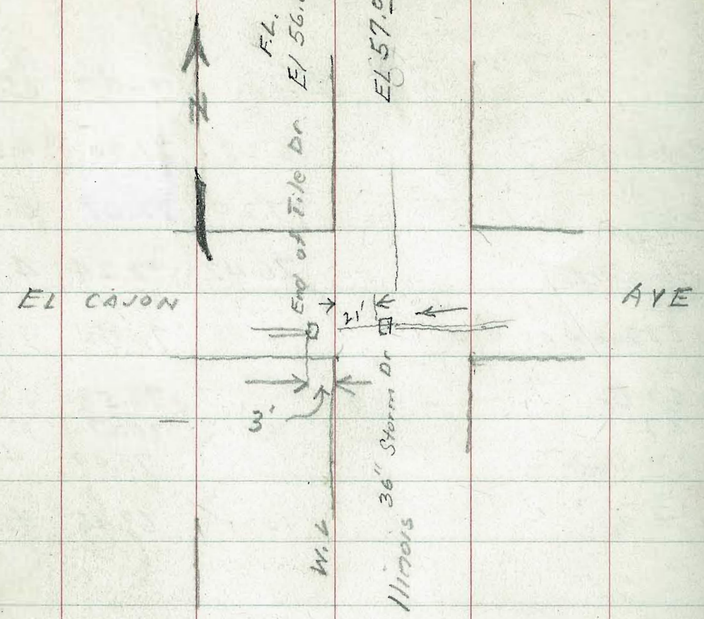
72.58
48
73.06

44
4
48

EL CAJON AVE
DRAINAGE
SOUTH SIDE

			Elev.	Grade	Cut.
EL Boundary			76.28	71.90	4.38
31'					
℄			77.20	72.07	5.13
31'					
W.L. Boundary			76.42	72.24	4.19
0+25	+ Rod	H.I 80.13	75.96	72.38	3.58
0+51 Shiner	4.68		75.45	72.52	2.93
Top Concrete Lng.		Rod,			
0+62 Br.		-7.56		72.58	
0+87			74.79	71.27	352
1+02 Shiner			74.50	70.49	4.01
1+12 Br			74.34	69.96	4.37

0.55
5.22



Construction
EL. CAJON AVE.

12/6

Woods ⊼
Walker Rod.

Grades. Raked Thru from W.L. Iowa
to E.L. Illinois.

W.L. Iowa.	71.44	67.00	4.44
E.L. Illinois	62.15	57.80	4.35

Cloudy. Construction. 1/16/36. Woods ⊼
Walker Rod.

EL CAJON AVE
Drainage and water.

	+ Rod.	− Rod.	Elev.	Grade.	
Shiner. W.L. 30th	5.34	H.I (69.36)	(Shiner) 64.02		
E.L 30th		−9.92		59.44	Flow Line.
0+00 E.L.30th		−9.48		59.88	Top Tile.
0+28		−10.47		58.89	Top Tile.
0+40 ℄				58.45	Flow Line
E.L.30th					

6-19-36 Southlook
Storm Drain

See Book 177
? Page 45

Indexed
OB

B.M. ℄ Stab	12.95	44.61		31.66	18+35.84	
					F.L. Grade	
18+35.84	Outlet = W-Line 56th St		10.31	34.3	31.60	+ 2.7
48.62'						
17+87.22			8.9	35.7	32.8	+ 2.9
48.62						
17+38.60	Brk. △ 21° 54' Lt.		5.3	39.3	34.00	+ 5.3
17+00			4.8	39.8	34.4	+ 5.4
16+50	T.P. 10.01	53.73	0.89	43.72	34.9	+ 8.8
16+00			9.5	44.2	35.4	+ 8.8
15+69.40	△ 13° 29' Rt.		3.4	50.3	35.7	+ 14.6
15+50			4.0	49.7	35.9	+ 13.8
15+00			5.7	48.0	36.4	+ 11.6

		53.73					
14+50			7.1	46.6	36.9	+ 9.7	
14+00			8.0	45.7	37.4	+ 8.3	
13+61.10	℄ Curb Inlet #10		8.4	45.3	37.8	+ 7.5	
13+50			8.2	45.5	37.9	+ 7.6	
13+00			7.3	46.4	38.4	+ 8.0	
12+50			6.0	47.7	38.9	+ 8.8	
T.P.			5.70	48.03		3 Nails Tel. Pole N.W. Ocean View & Olivewood Terrace	
12+42 ?	Cleanout on Ex. pipe from E.						
11+74	℄ Curb Inlet #9				39.7		
↑ 36" Pipe							
11+46.73	Cleanout #1				40.00		
↓ 30" Pipe							

Cont. from P. 79

80' S	327.11	3.43	323.68
90		3.64	323.47
100		3.92	323.19
S.cb. Top of cb = pave		4.01	323.10
" Gut = Flowline Inlet		5.09	322.02
Sect "B" = 20' E of E.L. Texas			
S.cb. Top cb.		3.17	323.94
" " Gut.		3.87	323.24
10' N		3.49	323.62
20		3.05	324.06
30		2.77	324.34
40		2.61	324.50
50		2.54	324.57
60		2.32	324.79
70		2.22	324.89
80		2.21	324.90
90		2.16	324.95
100		2.35	324.76
N cb. Gut.		2.38	324.73
" Top cb.		1.68	325.43

X- Sect. of Intersection—Texas + EL Cajon
To Remove Exist. Drains + Const. Curb Intets.
Sections Taken Across EL Cajon 20' Cbs 110' Rdw. = 11 Parts

Texas = 14' Cbs. 52' Rdw.

B.M.	519	327.11	S.W. B.P.	321.92	ElCajon + Texas

Sect. "A" = 20' W. of W.L. Texas

S. cb. EL. Cajon-Top.	4.84	322.27
Gut.	5.37	321.74
10' N.	4.95	322.16
20	4.71	322.40
30	4.54	322.57
40	4.29	322.82
50	4.18	322.93
60	4.12	322.99
70	3.98	323.13
80	3.92	323.19
90	3.91	323.20
100	3.93	323.18
110 = Gut	4.03	323.08
Top. N. Cb. EL.Cajon	3.39	323.72

Indexed

W.L. Texas 327.11

N. cb. Top. = Pavement flush	3.48	323.63
Flow line of Inlet. = gut.	4.64	322.47
10' S	3.76	323.35
20	3.88	323.23
30	3.93	323.18
40	4.07	323.04
50	4.15	322.96
60	4.24	322.87
70	4.44	322.67
80	4.63	322.48
90	4.78	322.33
100	4.95	322.16
Flow line of Inlet = gut.	6.08	321.03
Top S cb.	5.06	322.05

W. Cb. Texas

20' S. of S.L. EL.Cajon Top. cb.	5.54	321.57
" " " " " Gut.	6.40	320.71
S.L. Top. cb. = Top pave.	5.17	321.94
" Gut. = Flow line Outlet	6.32	320.79

S. cb.		327.11	5.03	322.08
10' N.			4.94	322.17
			4.84	322.27
			4.67	322.44
			4.53	322.58
			4.36	322.75
			4.22	322.89
			4.16	322.95
			3.95	323.16
			3.86	323.25
			3.72	323.39
N. cb.			3.50	323.61
N.L., Top cb			3.56	323.55
" " Gut = Flowline inlet			4.62	322.49
20' N. of N.L. Top cb.			3.31	323.80
" " " " Gut.			4.04	323.07
W. 1/4 Texas				
20' N. of N.L.			3.17	323.94
N.L.			3.22	323.89

N. Cb.		327.11	3.46	323.65
10' S			3.60	323.51
20			3.72	323.39
30			3.82	323.29
40			3.92	323.19
50			3.98	323.13
60			4.08	323.03
70			4.27	322.84
80			4.36	322.75
90			4.45	322.66
100			4.57	322.54
S. cb.			4.73	322.38
S.L.			4.87	322.24
20' S. of S.L.			5.38	321.73
℄ Texas				
20' S. of S.L.			4.95	322.16
S.L.			4.43	322.68
S. cb.			4.39	322.72
10' N			4.28	322.83
20' N			4.16	322.95

30' N.	327.11	4.04	323.07
40		3.94	323.17
50		3.80	323.31
60		3.74	323.37
70		3.62	323.49
80		3.53	323.58
90		3.39	323.72
100		3.30	323.81
N. cb.		3.20	323.91
N.L.		2.91	324.20
20' N. of N.L.		2.81	324.30

E. 1/4 Texas

20' N. of N.L.		2.69	324.42
N.L.		2.70	324.41
N. cb.		2.95	324.16
10' S		3.06	324.05
20		3.15	323.96
30		3.28	323.83
40		3.42	323.69
50		3.52	323.59

60	327.11	3.59	323.52
70		3.74	323.37
80		3.84	323.27
90		3.98	323.13
100		4.08	323.03
S. cb.		4.19	322.92
S.L		4.23	322.88
20' S. of S.L.		4.93	322.18

E. Cb. Texas

20' S. of S.L. Top cb.		4.45	322.66
" " " gut.		5.43	321.68
S.L. Top cb. = Top pave.		4.09	323.02
" Gut = Flowline Outlet.		5.24	321.87
S cb.		4.05	323.06
10		3.93	323.18
20		3.80	323.31
30		3.63	323.48
40		3.51	323.60
50		3.38	323.73
60		3.29	323.82

70	327.11	3.13	323.98
80		3.02	324.09
90		2.89	324.22
100		2.74	324.37
N. cb.		2.61	324.50
N.L. Top cb = pave.		2.56	324.55
" Gut. = Flowline Inlet.		3.57	323.54
20' N. of N.L. Top cb.		2.33	324.78
" " " Gut.		3.13	323.98
E.L. Texas			
N cb. Top cb = pave.		2.58	324.53
" Gut. = Flowline Inlet.		3.64	323.47
10' S		2.70	324.41
20		2.72	324.39
30		2.85	324.26
40		2.91	324.20
50		3.02	324.09
60		3.16	323.95
70		3.26	323.85

(Cont. on Page 76)

IMPROVED TABLES
AND
INFORMATION

Peg. Adjust Transit B 6.960
A = 5.085
1.875

A = 4.89
B = 6.80
1.91

4.785
1.875
2.910
2.88
.03

5.06
1.91
3.15

6.43
4.19
.062

0+00 W.L. KANSAS

64.38 Flow Line 0+50
.44 Thick Tile.
64.82 Top of Tile

0+50 69.00 Shiner
6.68
75.68 H.I
64.82
0+50 = 10.806 Grade Rod.
29
Gr. Rod = 10.57 → 0+79
21
Gr. Rod = 10.36 → 1+00
25
G. Rod. 10.11 → 1+25
25
G. Rod. 9.86 → 1+50
26
G. Rod 9.60 → 1+76
24
G. Rod 9.36 - 2+00

1% Grade.

75.68 = H.I.
66.32
9.36 = G. Rod.

65.88
.44
66.32 Gr Top Tile 2+00

Edison Dye
3020 University
22-8055

0.8

3.5
.8
4.3

4.76
44
4.32

601
4.32
10.33
.017
.16

4.43

75.68
69.31
6.37

4.61
44
417
6.01
10.18

44 .01
4.27
4.21 10.28

12/23 790' 4" Tile Received 30th & Idaho

12/19