

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
SLOPE 1 TO 1. ROADWAY OF ANY WIDTH

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

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

MICROFILMED

APR 15 1965

Roberts Grade Stakes For Water Line
in Armstrong St.

Cota
Moore
Morales
6-15-54
No # 21118

11250L FB 2228 pg 33

	3596		3565
1+12	356.2	3+82	352.8
	C 3.4		C 3.7

	3597		3570
0+92	356.3	3+32	353.5
	C 3.4		C 3.5

	3598		3577
0+72	356.4	2+82	354.1
	C 3.4		C 3.6

	3598		3583
0+52	356.4	2+32	354.7
	C 3.4		C 3.6

	3598		3589
0+32° BC ^{cb & RL, Armstrong} Dance PK	356.3	1+82	353.3
	C 3.5		C 3.6

	3594		3594
0+00 in water line ^{Angle Pt.}	356.1	1+32 FV	356.0
	C 3.3		C 3.4

BM

chise l + NW corner
359.67 Baltic & Armstrong

5+44

3542
351.0
C 3.2

5+24

3546
351.1
C 3.5

5+04

3548
351.3
C 3.5

END pipe West Side Arm. St

3539
350.30
C 3.6

4+74

cb. PL RC

3552
351.7
C 3.5

END pipe East Side Arm. St

3546
350.85
C 3.7

4+69 Fire Hydrant

35569
355.80 cb. Elev.
F 0.11

4+32

3558
352.2
C 3.6

5+74 End Pipe

3540
350.7
C 3.3

CURB STAKES KEATING - PUTERSAUGH TO NEALE ST.

COTA
MOORE
POWELL
MORALES
6-29-54
W.O. # 82086

± TORRENCE

161.39
160.77
C 0.67

	LT.	RT.		LT.	RT.
0+90	147.57 145.97 C 1.60	147.21 144.97 C 2.24	2400.08 5LY LINE TORRENCE (END. CB. ON RT.)	160.26 159.24 C 1.02	158.83 157.55 C 1.28
0+70	146.58 144.65 C 1.93	146.00 143.65 C 2.35	1491.08 BC.	158.05 157.63 C 0.42	
0+50	145.07 143.69 C 1.38	145.07 142.69 C 2.38	1475	154.99 155.47 F 0.48	155.31 154.32 C 0.99
0+30	144.13 143.09 C 1.04	143.39 142.09 C 1.30	1450	151.41 152.09 F 0.68	157.53 151.09 C 1.44
0+09 BC.	142.17 142.67 C 0.50		1430	149.29 149.69 F 0.40	150.03 148.69 C 1.34
0+00 NLY LINE PUTERSAUGH (END OF CURB) ON RT.	STAKE ELEV. 143.71 CB. GRADE 4 142.46 C 0.75	141.95 141.46 C 0.49	1410	148.39 F.P. 147.65 C 0.74	148.75 146.65 C 2.10

B.M.

131.35 5'x3'

L&T. N.W. COR. KEATING & TITUS

	LT.	RT.		LT.	RT.
	17995 177.88 C 2.07	17761 176.88 C 0.73			
1700					
	176.74 174.66 C 2.08	174.74 173.66 C 1.08		191.77 189.60 C 2.17	189.15 189.10 C 0.05
0775			1700 5/4 LINE NEALE END OB.		
	174.02 171.84 C 2.58	171.72 170.44 C 1.28		191.19 189.20 C 1.99	187.97 188.32 F 0.35
0750			1790		
	169.90 168.22 C 1.68	167.74 167.22 C 0.52		190.16 188.20 C 1.96	186.60 187.20 F 0.60
0725			1780		
	167.50 166.16 C 1.34			187.80 184.52 C 3.28	185.30 183.32 F 0.02
0709 B.C.			1750		
	167.44 165.32 C 2.12	164.61 163.99 C 0.62		183.43 181.10 C 2.33	180.24 180.10 C 0.14
0700 NLY LINE TORRENCE (BEGIN OB. ON LT.)			1725		

CB. STAKES KEATING - TITUS TO PUTERBAUGH

COTA
MOORE
PONELL
MORALEZ
N.O. 37086
6-30-54

259

5

	LT.	RT.		LT.	RT.
	135.47	2 ^o BK 134.40			131.97
0+70	135.40 C 0.07	134.58 F 0.18	1482.75 angle incb.		132.79 F 0.82
	137.24	133.66		135.56	132.15
0+37	134.41 C 2.85	133.65 C 0.01	1480	134.00 C 1.56	133.00 F 0.85
	135.25			135.91	133.98
B.C. 0+05	133.45 C 1.80		1450	135.18 C 0.73	134.18 F 0.20
	133.73	132.54		136.73	134.54
0+00 #1	133.30 F 0.07	132.60 F 0.06	1430	135.73 C 0.50	134.75 F 0.21
NLY LINE TITUS					
	137.60 = STAKE ELEV.			136.42	134.57
#2	133.20 = GRADE ELEV.		1410	135.95 C 0.47	133.99 F 0.47
	133.17 = CB. IN			135.95	134.67
0-10 EC. RETURN	133.17		0+90	135.84 C 0.11	134.94 F 0.27
		2 ^o BK			

B.M.

131.35 5'x3' LA T. N.W. COR. KEATING & TITUS

130.95

	LT.	RT.		LT.	RT.
	138.13 134.87 C 3.31		1700	135.75 134.10 C 1.65	137.83 133.10 F 0.27
#2 Begin cb. off Linwood					
		130.25 131.28 F 0.33	0+75	135.98 133.58 C 2.40	137.19 132.58 F 0.39
2+31.4 ± Midway between drains					
	139.04 134.85 C 4.19		0+50	135.55 133.06 C 2.49	131.48 132.06 F 0.58
#3 END CB					
	137.30 134.00 C 3.30		0+18	137.41 132.40 C 0.01	131.55 131.40 C 0.05
#2					
	134.79 133.58 C 1.21	132.12 131.50 C 0.62	0+10 B.C.	134.61 132.50 C 2.11	131.29 131.30 Curb in @ 131.24
2+00 #1 524 LINE LINWOOD					
		131.88 132.25 F 0.37	0+00 NEW LINE LINWOOD #1	136.63 132.97 C 3.71	
1+90	137.96 133.68 F 0.77				
1+88.79 B.C.					

	LT.	RT.		LT.	RT.
♀ GUY		136.00 TP 135.69 C 0.31			
				140.18 138.79 C 1.39	137.94 137.79 C 0.15
#2 and cb. ca. lt	139.78 136.75 C 3.03		0+75		
	139.02 136.15 C 0.87	135.64 135.17 C 0.47	0+50	139.41 138.26 C 1.15	137.79 137.26 C 0.53
2+00.10 #1 3rd line Guy					
	2 nd BK. CB. FCE 135.68 135.96 F 0.28	133.89 134.96 F 1.07	0+25	139.29 137.74 C 1.55	137.70 136.74 C 1.00
1+90.10 B.C.					
	134.96 135.66 F 0.70	133.84 134.66 F 1.12	0+10 B.C.	138.70 137.43 C 1.27	136.89 136.83 C 0.26
1+75					
	134.75 135.14 F 0.89	133.31 134.14 F 0.83	#1 0+00 NLY line Guy st.	138.16 137.50 C 0.66	136.15 136.22 C 0.43
1+50					
	134.14 134.62 F 0.48	133.00 133.62 F 0.62	#2 Begin cb. off guy st.	141.40 138.15 C 3.25	
1+25					

	LT.	RT.
4. PETERBAUGH		141.08 140.95 C0.15
	142.79	140.76
2+00.12 524 LINE PETERBAUGH ON RT. End cb	141.20 C1.39	140.41 C0.35
	143.37	
1+91.12 B.C.	141.20 C2.17	
	147.45	140.50
1+75	140.88 C1.57	139.88 C0.67
	141.83	139.66
1+50	140.36 C1.47	139.36 C0.30
	140.14	138.87
1+25	139.84 C0.58	138.84 C0.03
	139.66	138.20
1+00	139.31 C0.35	138.31 F0.11

CURB STAKES ARMSTRONG, BALTIC TO FUTUREST.
TO SOUTH

LT-

0+20 CB. 80
360.31
360.34
F0.03

1+70

359.34
359.34
GRADE

359.66
359.65
C0.01

1+45

#1
360.27
360.30
F0.03

1+20

360.02
359.96
C0.06

#2
360.22
360.22
GRADE

1+00

360.19
360.17
C0.02

#3
360.16
360.22
F0.06

0+80

360.26
360.31
F0.05

#4
360.14
360.30
F0.16

0+60

360.40
360.39
C0.01

END OF CB. ON BALTIC
360.20 = STAKE ELEV.
360.40 = GRADE ELEV.
F0.20

0+40

360.15
360.39
C0.06

359.67 CHIS X N.W. Cor. Baltic & Armstrong

Curb Stakes Armstrong Cont'd.

3415	357.45 357.17 C 0.28	WT	355.51 355.60 F 0.04
3420	357.68 357.48 C 0.20	#1	
#1	357.82 357.79 C 0.03	A467 CB. B.C.	355.62 355.70 F 0.08
7495			
#2	358.28 358.10 C 0.18	A445	355.72 355.92 F 0.20
2470			
#3	358.33 358.41 F 0.08	4420	356.20 356.24 F 0.04
2445			
#4	358.64 358.72 F 0.08	3495	356.58 356.55 C 0.03
2420			
E1	359.10 359.03 C 0.07	3470	356.90 356.86 C 0.04
1495			

LT.

LT.

End Cb. B.C.
ARMSTRONG.
SF. Return
354.72
354.70
00.02

#1
354.85
354.90
F 0.05

#2
354.84
355.00
F 0.16

Begin Cb. S.E. Return
on prop. Armstrong
354.91
355.05
F 0.14

END OF CB.
355.51
355.65
F 0.14

#2
355.55
355.62
F 0.07

End Cb. PL.
Armstrong
354.33
354.50
F 0.17

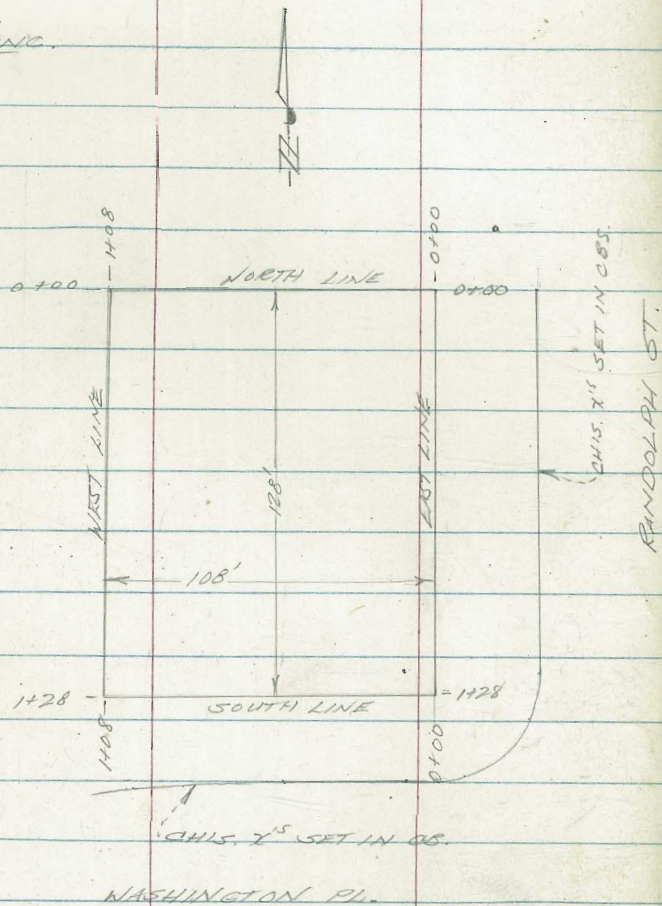
#V
354.17
354.45
F 0.28

#1
354.09
354.33
F 0.24

B.C. S.W. Return
on Armstrong
354.05
354.10
F 0.05

GRADE STAKES FOR TENNIS COURT
 N.W. COR. WASHINGTON PLACE @ RANDOLPH ST.

TO TOP CONC.



EAST LINE

WEST LINE

1+28	267.95 263.00 28' LT C 4.95 IN BLS	261.32 263.00 18' RT F 1.68
1+02 1/2	268.03 262.90 29.5' LT C 5.13	258.96 262.90 22' RT F 3.94
0+76 1/2	268.14 262.40 29.5' LT C 5.34	257.44 262.80 26' RT F 5.36
0+51 1/2	268.21 262.70 29.5' LT C 5.51	255.13 262.70 30' RT F 9.57
0+25 1/2	268.28 262.60 C 5.68	251.96 262.60 30' RT F 10.64
0+00	STAKE ELEV. - 268.59 GRADE - 262.50 C 6.89	255.13 262.50 30' RT F 7.37

B.M.

270.11 N.E.S.P. HT. STOCKTON
 @ RANDOLPH ST.

NORTH LINE

SOUTH LINE

Storm Drain at
Tennis Court
263.07
258.60
C 4.47

13

1455

262.67
258.71
C 3.96

1425

262.54
258.81
C 3.73

1408

258.08
262.50
FAAY 80 Ft.

261.96
263.00 - 35.02 ft. 1400
C 1.96

0781

259.67
262.50
F 2.88 80 Ft.

265.32
263.00 - 33.8 ft. 0775
C 2.32

0154

261.37
262.50
F 1.18 95 Ft.

265.80
263.00 - 33.5 ft. 0750
C 2.80

0727

261.78
262.50
F 0.72 95 Ft.

266.69
263.00 - 33.5 ft. 0726 BCK
C 3.69

0700

266.00
262.50
CA. 10 92 Ft.

267.57
263.00 - 32.5 ft. 0700
C 4.57

262.54
259.10
C 3.44

EXIST
DIT
ch. fr.

Roberts
C. to
Maralez
Powell
7-19-54
WD # 7

Grade Stakes Alley BIK. 1
Hartley's No. Park

14

1+00 w.2. of N.E.S.
Alley 353.34 355.64
GRADE

0+75 355.15 355.22
GRADE GRADE

0+50 354.78 354.80
GRADE GRADE

0+25 354.41 354.88
GRADE 354.38
C 0.50

0+00 Ray St. 354.04 35
HOV
353.96
C 0.06

Roberts
Cota
Moralez
Powell
7-20-54

Grade Stakes for Rough Grade
Jamacha Road

W.D. # 31778

69th to Hemisillo Manor
107982, 109992, 110002 & 111482
FB 2222 pg 32 FB 2263 pg 41

PVC 1467 on Rt	25128 250.90 C0.4	chester Cb BC 25426 253.38 C0.9 2+39 on Lt	
1450	25185 251.21 C0.7	25115 250.56 C0.6 2+34	252.6 252.3 F0.3 252.56 252.50 F0.1
1400	25034 249.90 C0.4	25006 249.34 C0.7 2+14	252.12 252.09 GRADE
0+50	24914 248.59 C0.5	24836 248.12 C0.3 2+04	25195 251.88 C0.1
Cb R 0+05 on Lt	24906 247.41 C1.7	1+84	25152 251.40 C0.1
East Lim 69th 0+00 Begin curb		24757 246.90 C0.5	chester Cb BC 25269 251.97 C0.7 1+79 on Lt

9+00	266.04 264.35 C 1.7	263.70 263.65 GRADE	11+58	269.72 267.38 C 2.3	266.80 266.68 C 0.1	
8+50	265.28 263.52 C 1.8	262.82 262.56 F 0.2	11+18	269.22 267.17 C 2.0	266.47 265.90 F 0.6	266.5 266.0 F 0.5
8+00	264.82 262.69 C 2.1	261.99 261.60 F 0.4	10+78	268.71 266.86 C 1.8	266.16 265.62 F 0.6	
7+50	264.47 261.86 C 2.6	261.16 260.89 F 0.3	10+38	268.35 266.45 C 1.9	265.75 265.32 F 0.5	
Pidgeon Cb BC 7+23 on Lt.	264.15 261.41 C 2.8	—	9+98	267.32 265.93 C 1.4	265.23 265.09 F 0.1	
7+00	—	260.33 260.25 GRADE	9+58 PM	265.90 265.32 C 0.6	264.60 264.62 GRADE	

14+00	27065 268.35 C 2.3	267.65 267.6 267.16 267.1 F 0.5	16+50	269.53 269.41 C 0.1	269.04 268.41 F 0.6
13+50	27030 268.15 C 2.1	267.45 266.78 F 0.7	15+98 EVC	27000 269.17 C 0.8	268.61 267.28 F 1.3
13+00	27092 267.95 C 3.0	267.25 266.97 F 0.3	15+58	269.86 268.99 C 0.9	268.32 266.00 F 2.3
12+50 POT	27133 267.75 C 3.5	267.05 266.86 F 0.2	15+18 PVC	269.78 268.82 C 1.2	268.12 266.79 F 1.3
12+00	27069 267.55 C 3.1	266.89 266.85 GRADE	15+00 $\frac{267}{212}$	269.66 268.75 C 0.9	268.05 266.88 F 1.2
11+83 EVC	27026 267.48 C 2.8	266.87 266.78 00.1	14+50 $\frac{271.2}{267.8}$	271.17 268.55 C 2.6	267.7 267.5 F 0.4

271.07

8+59.5L 4W 265.23

264.64

263.68

C 0.96

8+44.5 (6) 258.3
C 6.93

259.68

252.0

C 7.68

6+55 (7) 256.26

255.30

255.02

C 0.28

3+38L 2W 255.36

3+28 (2) 249.9

C 5.46

18+43.52 END CB ON LEFT

270.32

18+26.40 END CB ON RIGHT

270.49

3+01R 3W

2+81 (5)

253.95

245.5

C 8.45

254.14

253.70

C 0.44

271.15

270.11

C 1.1

271.48

270.27

C 1.2

18+00

252.03

243.9

C 8.13

1+96 (4)

270.6

269.9

C 0.7

270.67

269.88

C 0.8

269.86

269.38

F 0.5

17+50

1+32L 1W 250.53

1+02 (1) 245.0

C 5.53

250.87

250.72

C 0.15

269.4

269.12

268.6

269.64

269.43

F 0.2

269.45

268.59

F 0.8

17+00

0+00 E.L. 69th St.

13+93 (21)
 26728
 260.3
 C 6.98

13+03R 15W

12+88 (20)

12+28R 14W

12+13 (19)

11+52.5R 7W

11+42.5 (11)

10+92.5R 6W

10+72.5 (10)

9+22.5R 5W

9+02.5 (9)

26773
 267.26

26682047

259.7

C 7.12

26782

266.96

26694 C 0.86

259.1

C 7.84

26716

266.66

26663 C 0.50

258.7

C 7.93

26637

266.28

26563 C 0.09

258.2

C 7.43

26414

264.02

26369 C 0.12

256.4

C 7.29

16+68 (23)

16+78L 12W

16+23L 11W 27040

16+08 (16) 263.2

15+98 (22)

15+63L 10W 27010

15+48 (15) 2639

15+03L 9W 26986

14+88 (14) 2636

14+48L 8W 27175

14+38 (13) 2634

26872

262.6

C 6.12

26973

269.35

C 0.38

26728

261.8

C 5.48

26906

269.01

C 0.05

26931

268.76

C 0.55

26962

268.54

C 1.08

~~26912~~
~~269.54~~

F 0.42

18704.4

(24)

27148
267.8
C6.68

187036

13W

27110
265.1
C6.10

27120
270.12
C1.08

17788

(18)

17738

(17)

27034
264.9
C5.44

Roberts
Cota
Morales
Powell
7-23-54
NO# 31770

Grade Stakes For Rough Grade
Flicker St.
Jamaica to Lisbon

11142L FB2263 pg 41

~~1780L 17W~~

~~265.13~~

~~259.0~~

LA

3180RT 16W

3155 (25)

27776

277.01

280.95

C 0.75

273.5

C 7.75

1740

262.6
29
259.7

34
29

262.57

262.29

C 0.3

264.43

263.03

C 1.4

3140 EVC

276.35

274.49

F 1.9

3130 EVC

281.30

277.60

C 3.7

17152L 18W

20.91

260.91 260.55

F 0.04 255.7

C 4.85

1705 (27)

3100

275.70

273.39

F 2.3

2790

280.94

277.20

C 3.7

1700 PKC

260.4
259.7
F 0.7

260.35
259.89
F 0.5

261.38

260.95

C 0.4

2760 PKC

273.0
272.8
F 0.2

273.63
272.69
F 0.3

2750 PKC

279.61

273.60

C 6.0

0750

258.47
258.09
F 0.4

259.5C
259.07
C 0.5

2720 EVC

269.1
32
228

269.14
268.86
C 0.2

272.90

270.50

C 2.4

0707 CR PKC Jamaica

257.25
256.86
C 0.4

258.52
257.46
C 1.0

1780

265.0
255.1
F 0.1

265.42
264.13
C 0.3

267.74

266.29

C 1.4

262.6
24
265.0

64
60

4443.03 CB. R.C.
Lishon

274.15
274.09
F 0.1

~~277.59~~
276.09 ✓
C 1.5

277.4
276.1
C 1.3

54
44

3790

275.29
274.08
F 1.2

278.42
276.82
C 1.5

278.4
277.4

Roberts Grade Stakes Alley Block 86, P. Loma Hts.

24

Cota
Moore
Morales
8-17-54
W.O.#32329

11126L
FB2219-26

	20454 20410 C 0.44	20597 20440 C 1.57	2+25	20611 20543 F 0.68	20772 20641 C 1.31
--	--------------------------	--------------------------	------	--------------------------	--------------------------

0490	20401 20320 C 0.81	20546 20350 C 1.96	2+00 EVC	20580 20535 F 0.45	20728 20610 C 1.18
------	--------------------------	--------------------------	----------	--------------------------	--------------------------

0460 EVC	20460 20230 C 2.30	20492 20260 C 2.32	1480	2 20552 20506 F 0.46	20689 20605 C 0.84
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0440	20238 20136 C 1.02	20314 20166 C 1.48	1460	20567 20513 C 0.54	
------	--------------------------	--------------------------	------	--------------------------	--

0420	20164 19973 C 1.91	20238 20003 C 2.35	1455		20701 20600 C 1.01
------	--------------------------	--------------------------	------	--	--------------------------

0400	Guizot 19770	19812	1440	20526 20466 C 0.60	20651 20496 C 1.55
------	-----------------	-------	------	--------------------------	--------------------------

BM

disc
197746 & Alley # 7 Line Guizot

3+75	20820 207.98 C 0.22	21024 208.28 C 2.46	5+25	209.86 209.52 F 0.34	21124 210.16 C 1.08
3+50	20800 207.67 C 0.33	20932 207.97 C 1.35	5+00 ✓	210.09 209.55 C 0.54	21068 209.85 C 0.83
3+25	207.36 206.50 F 0.86	20854 207.66 C 0.88	4+75	20940 209.23 C 0.17	21015 209.53 C 0.62
3+00 ✓	20780 207.05 C 0.751	20904 207.35 C 1.69	4+50	208.92 208.49 F 0.43	21016 209.22 C 0.94
2+75	20722 206.73 C 0.49	20819 207.03 C 1.16	4+25	208.61 208.00 F 0.61	20926 208.91 C 0.35
2+50	20642 205.89 F 0.53	20801 206.72 C 1.29	4+00 ✓	20883 208.30 C 0.53	20934 208.60 C 0.74

21861 SW BP
Narragansett

4 E Santa Barbara

26

6700⁰⁰ Santa
Barbara

207.20

208.14

5780

209.92
208.75
C 1.17

211.40
209.37
C 2.03

5760

209.85
209.82
F 0.03

211.44
210.23
C 1.21

5740 PK

210.05
209.62
F 0.43

211.64
210.35
C 1.29

Roberts
Cota
Moore
Morales
8-19-54
No. #32244

Grade Stakes Alley BK. 2, Chester Add.

27

10612L
FB1782pg65

1+05	34530 34461 C 0.69	34 34455 34394 F 0.61	2+35 EVC	34628 345177 C 0.51	34678 345.80 C 1.19
0+80	34512 34452 C 0.60	34455 34442 C 0.13	2+15	34542 34481 F 0.61	34685 345.44 C 1.41
0+55	34516 34443 C 0.73	34512 34430 C 0.82	1+95	34534 34515 C 0.19	34673 345.15 C 1.58
0+33	34537 34436 C 1.01	34480 34420 C 0.60	1+75	34496 34482 F 0.14	34546 344.94 C 0.52
0+15	34462 34410 C 0.52	34462 34385 C 0.77	1+53 PVC	34556 34480 C 0.76	34504 344.80 C 0.24
0+00 Polk	343.77	343.38	1+30	34550 34470 C 0.80	34480 344.67 C 0.13

BM

354.41 NWBP
Orange #4744

3+70	34880 348.33 C0.47	34890 348.50 C0.40	5+00	34 350.34 350.26 F0.08	351.50 350.54 C0.96
3+45	34815 347.86 C0.29	34890 348.00 C0.90	4+75 E/c	350.17 350.06 C0.11	350.49 350.26 C0.23
3+20	34751 347.38 C0.13	34810 347.50 C0.60	4+55	34996 349.81 C0.15	350.38 350.01 C0.37
2+95	34702 346.91 C0.11	34769 347.00 C0.69	4+35	349.52 349.51 F0.01	350.30 349.71 C0.59
2+70	34749 346.43 C1.06	34796 346.50 C1.46	4+15	34940 349.19 C0.21	349.56 349.38 C0.18
2+45	346.89 345.96 C0.73	34724 346.00 C1.24	3+95 PVC	34934 348.82 C0.52	349.42 349.00 C0.42

5777 orange

351.20

351.40

5758

351.00
350.90
C0.10352.48
351.10
C1.38

5725

350.71
350.62
C0.09351.93
350.82
C1.11

Roberts
Cota
Craig
9-21-54
NO. 21100

Corb Stakes Paseo Dorado

City Forces
10002 1

7.67 BM NEBP Calle de la Plata f Paseo Dorado 30

0+59.62

6.41
473
F 1.68

6.74
611
F 0.63

EC Curb on Calle de la Plata 6.43

7.64

0+37.11

6.32
451
F 1.81

6.49
583
F 0.66

#3

6.45
593
F 0.52

7.52
711
F 0.41

0+14.60 EC Prop Line

6.23
509
F 1.14

6.24
587
F 0.37

#2

6.47
566
F 0.81

7.40
683
F 0.57

0+00 EC Curb

6.16
541
F 0.75

6.08
584
F 0.14

#1

6.50
519
F 1.31

7.30
669
F 0.61

0-01.90 EC Curb

#2 Midpoint

595
594
C 0.01

1+01.72 BC Curb on Rt.

7.20
711
F 0.09

#1 End Curb

6.10
575
F 0.35

588
580
C 0.08

0+82.14 BC Curb on left 6.50
515
F 1.35

6.99
657
F 0.42

Robert
etc.
O'Neil
9-24-54
NO. 62357

Curb Stakes Bean St.
Kurtz to California

11288.2

31

O+65.31

34.90
33.39
C 1.51

O+43.54

33.50
31.98
C 1.52

O+21.77

32.27
30.57
C 1.70

O+00BC

31.44
29.16
C 2.28

#2

31.16
28.58
C 2.58

#1 END CURB
Kurtz

30.61
28.00
C 2.61

EC ^{on} Calif. Exit

36.81
36.83

#3

37.06
36.53
C 0.51

#2

36.71
36.05
C 0.66

#1

26.75
35.42
C 0.73

O+87.11BC ^{ex} Calif

35.72
34.79
C 0.93

Curb Stakes Emory St.
Kurtz to Hancock

9-27-54

		3453	
	34.34	33.97	
1+00	34.31	C 0.56	
	F 0.03		

	3332	3303	
	32.27	31.87	
0+75	C 1.05	C 1.16	

	3230	3137	
	30.21	29.78	
0+50	C 2.09	C 1.59	

1+87.9 East Hancock

41.60 41.25
41.59

	3024	3049	
	28.14	27.68	
0+25	C 2.10	C 2.81	

1+75

40.53 40.25
40.08 38.76
F 0.45 F 1.49

	2997	2846	
	26.08	25.69	
0+00 BC	C 3.89	C 2.87	

1+50

38.47 38.16
37.80 37.52
F 0.67 F 0.64

	2760		
	25.00	24.60	
#1 Plat Kurtz	C 2.60	24.40	
		F 0.20	

1+25

36.58 36.06
36.10 36.06
35.81 C 0.52
F 0.59

Roberts Curb Stakes California, e Hancock

Emery to Bean

10-1-54
w.g. 62359

1450

41.77
41.48
F0.29

1420

40.78
40.78
0.00
GRADE

0490

39.70
39.79
39.70
F0.09

0460

39.04
38.79
C0.25

0430

37.49
37.80
C0.09

EC
0400 Bean & Calif

37.39
36.81
C0.48

378.45 EC
Emery

2190

2761

2730

2700

1783.26 EC

1778.06 EC

121

33

41.80
41.73 = 0.07
C0.07
41.73 ←
41.80
F0.33

42.00
41.96 0.04 = 42.11
C0.04
41.91
F0.20

42.21 1.00 = 42.50
42.19
C0.02
42.36
F0.14

42.44 1.21 = 42.66 cb
42.32
F0.12

42.68
42.56
F0.12

42.81
42.63
F0.18

42.75
42.70
C0.05

Roberts
Cata
Morales
Olson
10-1-54
NO#31501

Grade Stakes Alley Block 3, Ocean Front

35

11297-L
FB2189 pg. 37

	46.08 45.99 C 0.09	47.40 46.29 C 1.11	2+25	44.88 44.61 C 0.27	45.17 44.91 C 0.26
1+10					
	47.05 46.38 C 0.67	47.35 46.68 C 0.67	2+00	45.30 44.88 C 0.42	45.49 45.18 C 0.31
0+85					
	46.84 46.77 C 0.07	47.54 47.07 C 0.47	1+75	45.97 45.16 C 0.81	46.28 45.46 C 0.82
0+60					
	47.75 47.16 C 0.59	48.80 47.46 C 1.34	1+45 EVC	45.68 45.49 C 0.19	47.01 45.79 C 1.22
0+35					
	48.07 47.55 C 0.52	48.36 47.85 C 0.51	1+35	45.71 45.61 C 0.10	47.14 45.91 C 1.23
0+10					
	47.71	48.10	1+25 PVC	45.90 45.75 C 0.15	47.23 46.05 C 1.18
0+00	W. 2.1 Cars				

BM

51.52 SW CT Missouri = Cars

3+75	4319 42.94 C0.25	4342 43.24 C0.18	4210 41.62 C0.48	4289 41.92 C0.97
ON RIGHT 3+75 SewLat #4 38.29 (N)				
3+50	4339 43.22 C0.17	4352 43.34 F0.18	4211 41.88 C0.23	4323 42.18 C1.05
3+25	4374 43.50 C0.24	4392 43.80 C0.12	4262 42.08 C0.54	4335 42.38 C0.97
3+00	4444 43.78 C0.66	4486 44.08 C0.78	4270 42.22 C0.48	4264 42.52 C0.12
2+75	4439 44.05 C0.34	4528 44.35 C0.93	4273 42.39 C0.34	4316 42.69 C0.47
2+50	4473 44.33 C0.40	4516 44.63 C0.53	4276 42.67 C0.09	4349 42.97 C0.52

5400.44 EL.
Byard

40.60

40.89
40.85

4488 EVC

4206
4130
C 0.76

4285
4160
C 1.25

Roberts

Grade Stakes Alley Blk 4, Ocean Front

38

11298-L

FB2189 pg 50

10-4-54

	4001	4052		3878
1+25	39.34	39.40	2+75	38.35
	C0.67	C1.12		C0.43
	4051	4040		38.11
1+00	39.51	39.57	2+50	38.52
	C1.00	C0.83		C1.59
	3993	4039		3913
0+75	39.69	39.75	2+25	38.70
	C0.24	C0.64		C0.43
	3990	4070		3938
0+50	39.86	39.92	2+00	38.87
	C0.04	C0.78		C0.51
	4010	4115		3937
0+25	40.04	40.10	1+75	39.05
	C0.06	C1.05		C0.32
	4021	4027		3956
0+00	✓		1+50	39.22
W.L. Bayard				C0.34

	3766	3794		3664	3743
4400	37.41	37.47		36.64	36.85
	C0.25	C0.47	4470	GRADE	C0.58

		3799		3701	3752
3785 Sewer Lateral #3 (R)		32.51	4460	36.87	37.00
		C5.48		C0.14	C0.52

	3820	3797		3723	3754
3775	37.59	37.65	4450	37.04	37.12
	C0.61	C0.32		C0.19	C0.42

	3897	3815			3768
3750	37.76	37.82	4445 Sewer Lateral #2 (R)		32.18
	C1.21	C0.33			C5.50

	3821	3833		3726	3758
3725	37.94	38.00	4440 PVC	37.14	37.20
	C0.27	C0.33		C0.12	C0.38

	3812	3937		3766	3771
3700	38.11	38.17	4425	37.24	37.30
	C0.01	C1.20		C0.42	C0.41

5700 E.L.
Minn

35.68

36.15
✓

4795 Sewer lateral #1 (R)

3672
3125
C 547

4480 EIC

3651
3634
C 0.17

3728
3667
C 961

Roberts
Cota
Morales
10-6-54
W.D.#20009

Grade Stakes Sewer From DE. in
Budd St. North to No. Line Baltic

City works
9432-L

41

0.4% Grade per Station

No. Line Baltic 38615
0+77.5 DE 381.44
C 4.71

0+60 38584
381.37
C 4.47

0+40 38566
381.29
C 4.37

0+20 38564
381.21
C 4.73

0+00 38113 ← Plans
Exist. DE Used
Budd St.

Roberts
Cota
Moraltz
10-2-54

Center and Rough Grades in Bean
and California

42

BANK OF AMERICA
California
Center Line

Rough Grade

Bean
Center Line

Rough Grade

2+10.5 Streets

3800
36.70 ✓
C 1.30

1483.7 B.R.

3835
37.10 ✓
C 1.25

4172
37.50
C 1.22

No. Line
Kurtz

2959
27.75
C 1.84

3103
27.50
C 2.53

1450

3921
38.19 ✓
C 1.02

4219
38.60
C 3.59

Midpoint

3186
30.66 ✓
C 1.20

3215
30.50
C 1.65

1400

4053
39.79 ✓
C 0.74

4285
40.20
C 2.65

Opposite
NE Prop.
Corner

3369
33.57 ✓
C 0.12

3433
33.50
C 0.93

0+50

4171
41.40
C 0.31

4313
41.80
C 1.33

Prolong
City Prop.

3527
34.60 ✓
C 0.67

0+00

FC. in
Calif.

4306
42.67
F 0.33

4340
4340
Grade

Prolong.
City Center

3610
35.50 ✓
C 0.60

Roberts
Cota
Morales
10-11-54
W.D. #32221

Grade Stokes Alley Block 16,
Bird Rock City by the Sea

43

113542
FB. 1712 & 2219

	EAST	WEST ALLEY			
0+80	6874 C 0.22	6883 68.82 C 0.01	1+89.88	7310 72.40 C 0.70	7322 72.57 C 0.65
0+60 EK	6850 68.32 C 0.18	6896 68.52 C 0.44	1+79.88 PK	7229 71.86 C 0.43	72.03 71.87 F 0.16
0+40	6859 67.49 C 1.10	6988 67.72 C 1.16	1+40.47	71.01 70.22 C 0.79	70.82 70.34 C 0.48
0+20	6735 65.82 C 1.53	6814 65.95 C 2.19	1+20.47	6989 69.40 C 0.49	7021.5 69.63 C 0.58
0+10	6683 64.78 C 2.05	6736 64.82 C 2.54	1+11.80		6945 69.41 C 0.04
RL 0+00 Chelsea	64.03 63.99	63.99 63.96	1+03.13	6931 69.23 C 0.08	69.25 69.17 C 0.06

↑ Dec FB 1712 ↓

$$\begin{array}{r} 510 \\ 4.72 \\ \hline 38 \end{array}$$

$$\begin{array}{r} 7654 \\ 38 \\ \hline 7616 \end{array}$$

	7639	7625
	76.14	75.97
0+88.79	C 0.25	C 0.28

	7651	7616	7654
	76.27	76.27	76.08
0+68.79	C 0.24	F 0.11	C 0.46

74.01

	7683	7663
	76.23	76.01
0+48.79	C 0.60	C 0.62

R.
Z +25.14 LaTalla Blvd.

75.46

75.48

	7693	7678
	76.02	75.76
0+28.79	C 0.91	C 1.02

Z +109.88 EVK

$$\begin{array}{r} 7445 \\ 74.19 \\ \hline C 0.26 \end{array}$$

$$\begin{array}{r} 7457 \\ 74.28 \\ \hline C 0.29 \end{array}$$

	7672	7640
	75.72	75.47
0+08.79	C 1.00	C 0.93

1+99.88

$$\begin{array}{r} 7322 \\ 73.21 \\ \hline F 0.01 \end{array}$$

$$\begin{array}{r} 7357 \\ 73.34 \\ \hline C 0.23 \end{array}$$

	7660	7629
	75.63	75.10
0+100 Blvd Rock	C 0.97	C 1.19

3+88.79PK → 70.39
70.33
F0.06

71.37 ← 45
70.37
C 0.94

	7415	7442			70.81
2+25	73.58	73.49	3+75	70.67	70.64
	C 0.57	C 0.93		70.57	C 0.17
				F0.10	

	7455	7475		7145	70.16
2+00	74.07	73.97	3+50	71.16	71.12
	C 0.48	C 0.78		C 0.29	70.96
					F0.16

	7489	7549		7198	71.98
1+75	74.55	74.44	3+25	71.64	71.59
	C 0.34	C 1.05		C 0.14	C 0.39

	7549	7529		7220	72.76
1+50	75.04	74.92	3+00	72.13	72.07
	C 0.45	C 0.37		C 0.07	C 0.69

	7629	7539		7297	72.89
1+25	75.52	75.39	2+75	72.61	72.54
	C 0.77	GRADE		C 0.36	C 0.35

	7606	7629		7346	73.84
1+08.79 EVC	75.83	75.70	2+50	73.10	73.02
	C 0.23	C 0.59		C 0.36	C 0.82

	6978	6951	
ANGLE	69.63	69.45	
5+20 POINT	C 0.15	C 0.06	

	6976		
5+00	69.70	69.54	
	C 0.06	69.26	
		F 0.34	

	7007	7042	
4+75	69.78	69.69	
	C 0.29	C 0.75	

	7088	7035	
4+50	69.86	69.79	
	C 1.02	C 0.56	

	7005	7042	
4+28.79 EVC	69.93	69.90	
	C 0.12	C 0.52	

	7023	7025	
4+08.79	70.02	70.02	
	C 0.21	C 0.23	

	7109	
ANGLE POINT	69.43	
ON LEFT	C 1.66	

Roberts
Cota
Moralez

Grade Stakes Alley Block 78, Paloma Hts.

10-14-54

FB 229577.28
11210-2

WD 31282

1+10

146.26
143.67
C 2.59

144.72
143.37
C 1.35

2+50

155.24
155.21
C 0.03

155.36
154.91
C 0.45

0+90

141.49
141.06
F 0.43

141.55
141.19
C 0.36

2+25

154.75
153.18
C 1.57

152.88
151.55
F 1.33

0+70

138.72
138.48
F 0.44

143.46
138.62
C 4.84

2+00

152.54
151.16
C 1.38

151.57
150.86
C 0.71

0+50 P/C

135.97
135.53
F 0.44

137.81
135.67
C 2.14

1+75

150.89
149.13
C 1.76

149.92
148.83
C 1.09

0+20 ERR

132.80
131.27
C 1.53

133.00
130.97
C 2.03

1+50

148.86
147.10
C 1.76

147.97
146.80
C 1.17

PL
0+00 Guizat

128.29

127.47

1+30 EVC

147.32
145.78
C 1.54

146.03
145.18
C 0.85

3+70 EVC	16651 165.94 C 0.57	16566 165.64 C 0.02	4+80	17842 177.67 C 0.75	17881 177.37 C 1.44
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3+50	16480 163.88 C 0.92	16358 16312 F 0.46	4+60 PVC	17602 175.46 C 0.56	17516 17474 F 0.42
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3+30	16237 161.95 C 0.42	16165 16096 F 0.69	4+50	17481 17440 C 0.41	17595 17410 C 1.85
------	---------------------------	--------------------------	------	--------------------------	--------------------------

3+10	16099 160.14 C 0.85	15984 15910 F 0.74	4+25	17241 17176 C 0.65	17286 17146 C 1.40
------	---------------------------	--------------------------	------	--------------------------	--------------------------

2+90 PVC	15940 158.46 C 0.94	15840 15816 C 0.24	Sewer 4+10 Lateral (ON LEFT)	165.20 Garage	~~~~~
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2+75	15825 157.24 C 1.01	15729 156.94 C 0.35	4+00	16970 16912 C 0.58	17146 16882 C 2.64
------	---------------------------	---------------------------	------	--------------------------	--------------------------

PL
6±00 Santa Barbara

194.16

193.27
✓

5780 ERK

191.77
191.08
C 0.71191.10
190.78
C 0.32

5740 EVC

185.94
185.39
C 0.55185.65
185.09
C 0.56

5720

183.30
182.64
C 0.72182.72
182.34
C 0.38

5700

180.82
180.06
C 0.76180.67
179.76
C 0.91

Roberts

Grade Stakes Sewer Hilldale Road

50

Cota

2585-D

Morales

FB2271

10-15-54

W.O. #21242

1+25

35758.
346.23
C 11.35

1+00

35817
348.08
C 10.09

0+75

35865
349.93
C 8.72

0+50

35941
351.78
C 7.63

0+31.77 B.C.

35967
355.13
C 4.54

1+78.89 Ext N/A

35659
Rim
342.24
C 14.35 From Rim

2 Marlborough
0+00 & Hilldale MH15

35996
353.48
C 4.48

1+50

35666
344.38
C 12.28

1+25

35767
347.43
C10.24

2+75

35640
348.03
C8.37

1+00

35792
347.33
C10.59

2+50

35652
347.93
C8.59

0+75

35808
347.23
C10.85

2+25

35674
347.83
C8.91

0+50

35822
347.13
C11.09

2+00

35713
347.73
C9.40

0+25

35806
347.03
C11.03

1+75

35735
347.63
C9.72Exist M.H.
0+00 Adler & Bona35836 Rim
346.93
C11.431+50.59 MH #14 Adler & 42nd35782 R. in East MA
347.53
C10.29

4+37.59 MH#13

35936
348.68
C 10.68

5+75

35954
349.23
C 10.31

4+00

35816
348.53
C 9.63

5+50

35999
349.13
C 10.86

3+75

35727
348.43
C 8.84

5+25

36023
349.03
C 11.20

3+50

35690
348.33
C 8.87

5+00

36020
348.93
C 11.27

3+25

35656
348.23
C 8.33

4+75

35998
348.83
C 11.15

3+00

35639
348.13
C 8.26

4+50

35941
348.73
C 10.68

7+25	35490 349.83 C 5.07	8+75	35802 353.18 C 5.47
7+00	35572 349.73 C 5.79	8+50	35789 352.34 C 5.55
6+75	35649 349.63 C 6.86	8+25	35694 351.49 C 5.45
6+45.14 MH # 12	35735 349.51 C 7.84	8+00	35585 350.64 C 5.21
6+25.	35787 349.43 C 8.44	7+82.92 MH # 11 Adams $\frac{1}{2}$ 42 nd	35561 350.06 C 5.55
6+00	35880 349.33 C 9.47	7+50	35523 349.93 C 5.30

9+28.52 D.M.H. #10

36075	36075
355.00	357.20
C575	C555

~~9+00~~

~~No. WENT~~

~~354.03~~

8+90.88 B.C.

359.32
353.72
C560

Roberts

Grade Stakes Sewer Montezuma Road.

Cota

La Dorna to west.

Morote

City Forces

Fish

10-20-54

1831D

WA# 20009

Extend DE From MH 5-65 feet.

0+65 NEW
DE446.87
437.84
C 9.03

0+27

447.36
437.69
C 9.67Exist.
0+00 DE437.58
✓

Roberts
Cota
Morales
10-26-54
W.O. #20007

Grade Stakes Curb Grand, Ingraham
11 1/2' Cb East Side Ingraham; Grand Sly.
Profile 1202
Permit #4327
1.852% Grade

~~1+76~~ End Permit
INDEXED

~~51.86
51.56
F0.30~~

1+00

~~52.17
52.15
52.05
F0.10~~

52.17
52.15
C0.02

0+75

52.73
52.62
C0.11

0+50

53.08
53.02
F0.06

End Alley Ret.

5239
51.98
C0.41

0+25

53.54
53.14
F0.40

1+28.15 #Rad

51.76
Street 51.63 Alley 51.64
C0.13 C0.13

So. Line
0+00 Grand

54.00

Roberts
Cota
Morales
11-10-54
W.D. # 21175

Grade Stakes For Grading Area in
Clairmont Park Recreation Area
2481-D

NW Corner
295.63
295.25
C 0.38

NE Corner
295.73
295.25
C 0.48

SW Corner
295.47
295.00
C 0.47

SE Corner
295.15
295.00
C 0.15

Floor Elev.
296.00
295.22
F 0.78

BM 289.60

Roberts
Cota
Morales
11-16-54
W.D. 21184

Grade Stakes For Fire Station 57
Cole & Clairmont Dr.

NW Corner
350.00
349.13
F 0.87

NE Corner
350.05
350.00
C 0.05

SW Corner
350.00
349.03
F 1.97

SE Corner
350.00
348.96
F 1.04

Roberts
Cota
Morales
11-10-54
NO. # 21242

Grade Stakes for Sewer in Madison & 42nd
Van Dyke. to Alley No. of Monroe
25850 & 25840

58

1+25	351.07 342.20 C 8.87	2+75	354.58 345.30 C 9.28
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1+00	350.15 341.68 C 8.47	2+50	354.00 344.78 C 9.22
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0+75	349.18 341.16 C 8.02	2+25	353.36 344.26 C 9.10
------	----------------------------	------	----------------------------

0+50	348.21 340.64 C 7.57	2+00	352.82 343.75 C 9.07
------	----------------------------	------	----------------------------

0+25	347.16 340.13 C 7.03	1+75	352.35 343.23 C 9.12
------	----------------------------	------	----------------------------

0+00	346.37 339.61 C 6.76	1+50	351.83 342.71 C 9.12
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BM 359.89 NW SP Bona & Madison

4+00

356.96
347.27
C9.69

5+50

358.88
347.87
C11.01

3+75

356.61
347.17
C9.44

5+25

358.60
347.77
C10.83

3+63.30 MH #8

356.44
347.12
C9.32

5+00

358.32
347.67
C10.65

3+50

356.22
346.85
C9.37

4+75

357.97
347.57
C10.40

3+25

355.71
346.33
C9.38

4+50

357.60
347.47
C10.13

3+00

355.12
345.81
C9.31

4+25

357.23
347.37
C9.86

7+00

360.56

348.47

C ~~12.09~~

12.09

8+50

360.92

351.65

C 9.27

6+75

360.25

348.37

C ~~11.88~~

11.88

8+25

360.73

351.03

C 9.70

6+50

360.01

348.27

C ~~11.74~~

11.74

8+00

360.59

350.40

C 10.19

6+25

359.81

348.17

C 11.64

7+75

360.41

349.78

C 10.63

6+00

359.51

348.07

C 11.44

7+50

360.31

349.16

C 11.15

5+75

359.18

347.97

C 11.21

7+26.30 MH #7
Madison # 42nd

361.27

348.57

C 12.70

10+00

36204
354.19
C 7.85

11+50

36320
~~355.45~~
C 7.75

9+75

36188
353.98
C 7.90

11+25

36296
~~355.24~~
C 7.72

9+50

36175
353.77
C 7.98

11+00

36276
~~355.03~~
C 7.73

9+26.30 MH #6

36153
353.57
C 7.96

10+75

36259
~~354.82~~
C 7.77

9+00

36132
352.89
C 8.43

10+50

36240
~~354.61~~
C 7.79

8+75

36111
352.27
C 8.84

10+25

36225
~~354.40~~
C 7.85

12+74.68 DMA #5

36472
356.50
8.22

12+37.04 BC

36391
356.18
C 7.73

12+25

36382
356.08
C 7.74

12+00

36362
355.87
C 7.75

11+75

36340
355.66
C 7.74

Roberts Curb Stakes So. Side Jamacha
Cota
Taylor
11-22-54
W0.31770

63

1784
25159
251.40
C 0.19
3+50
25504
254.52
C 0.52

1764 PVC
25134
250.90
C 0.44
3+00
25425
253.69
C 0.56

1750
25092
250.56
C 0.36
2154 EVC
25301
252.93
C 0.08

1700
24963
249.34
C 0.29
2+34
25256
25190
F 0.66

0750
24824
248.12
C 0.12
2+14
25225
252.12
C 0.13

EL.
0706 69th
24758
246.90
C 0.68
2+04
25205
251.88
C 0.17

6+50

259.50
259.43
F0.07

9+58 PIC

265.62
264.62
C0.40

6+00

259.00
258.67
C0.33

9+00

264.02
263.65
C0.37

5+50

258.22
257.84
C0.38

8+50

262.88
262.82
C0.06

5+00

257.60
257.01
C0.59

8+00

261.99
261.88
F0.11

4+50

256.43
256.18
C0.25

7+50

261.16
260.90
F0.26

4+00

255.52
255.35
C0.17

7+00

260.33
260.33
GRADE

10+78	26620 266.16 C0.04	12+00	26732 266.85 C0.47
10+58	26612 265.96 C0.16	11+83 EKC	26716 266.78 C0.38
10+38	26577 265.75 C0.02	11+58	26683 266.68 C0.15 ^v
10+18	26551 26542 F0.09	11+38	26659 26650 F0.09
9+98	26530 265.23 C0.07	11+18	26653 266.47 C0.06
9+78	26504 264.94 C0.10	10+98	26641 266.32 C0.09

15+00

26829
268.05
C0.24

16+50

269.04
26892
F0.12

14+50

26797
267.85
C0.12

15+98 EVC

26861
26852
F0.09

14+00

26795
267.65
C0.30

15+78

26848
268.46
C0.02

13+50

26759
267.45
C0.14

15+58

26841
268.32
C0.09

13+00

26759
267.25
C0.34

15+38

26826
268.21
C0.05

12+50

26742
267.05
C0.37

15+18 PVC

268.12
26803
F0.09

Curb
Inlet Existing

271.94 ✓
271.00

18+52.9

271.00
270.74
C 0.26

18+26.40

270.91
270.79
C 0.42

18+00

270.83
270.27
C 0.56

17+50.

270.09
269.86
C 0.23

17+00

269.42
269.45
F 0.03

Roberts
Cota
Shepherd
Maralez
11-26-54
W# 31770

Curb Stakes No. Side Jamaica
6th to Hermisilla Manor

68

cb BC
1+79 Chester

251.97
251.97
GRADE

3+50

255.22
254.99
F 0.23

1+50

251.21
251.18
F 0.03

3+00

254.51
254.39
C 0.12

1+00

249.90
249.68
F 0.22

2+54 E/C

253.74
253.63
C 0.11

0+50

248.71
248.59
C 0.12

cb BC
2+39 Chester

253.38
253.37
F 0.01

0+05 cb BC

247.41
247.34
F 0.07

/ Begin
Curb

253.90
253.20
C 0.70

/ Begin Curb
6th

247.37
247.25
C 0.12

/ End
Curb

252.35
252.15
F 0.20

Midpoint
257.24
257.20
C0.04

cb BC
0+07 on Flicker
257.46
257.25
F0.21

cb Ec
0+07 on Flicker
256.86
256.50
F0.34

Midpoint
256.52
256.45
F0.07

cb BC
4+13 Flicker
256.27
256.00
F0.27

~~4+00~~ ~~256.05~~

#1 End cb
261.00
260.51
F0.49

cb BC
6+63 Pidgeon
260.54
260.42
C0.12

6+00
259.37
259.27
F0.10

5+50
258.56
258.54
C0.02

5+00
257.91
257.71
C0.20

4+73 cb BC
Flicker
257.32
257.26
C0.06

9+00

26435
26403
F 0.30

10+58

26699
26666
C 0.33

8+50

26361
26352
C 0.09

10+38

26759
26645
C 1.14

8+00

26285
26269
C 0.16

10+18

26621
26584
F 0.37

7+50

26208
26186
C 0.22

9+98

26593
26565
F 0.287+23. ^{cb 3c}
Pidgeon26201
26141
C 0.60

9+78

26564
26557
F 0.072 / ^{Begin}
clorb26170
26150
C 0.20

9+58. PK

26533
26532
C 0.01

11783 ER
 26804
 267.48
 C 0.56

11758
 26744
 267.38
 C 0.06

11738
 26743
 267.29
 C 0.14

11718
 2
 267.17
 26705
 F 0.12

10798
 26725
 267.02
 C 0.23

10778
 26692
 266.86
 C 0.06

14750
 26868
 268.55
 C 0.13

14700
 26869
 268.35
 C 0.34

13750
 26828
 268.15
 C 0.13

13700
 26833
 267.95
 C 0.38

12750
 26840
 267.75
 C 0.65

12700
 26834
 267.55
 C 0.79

15+98 EVK

269.17
269.14
F0.03

15+78

269.08
269.08
GRADE

18+43.52

END 270.32
CURB 270.30

15+58

268.99
268.94
F0.05

18+00

270.35
270.11
C0.24

15+38

268.91
268.90
C0.01

17+50

269.82
269.61
F0.27

15+18 PVC

268.82
268.73
F0.09

17+00

269.64
269.28
F0.36

15+00

268.78
268.75
C0.03

16+50

269.41
269.11
F0.30

Roberts
Costa
Morales
11-29-54
N.O. # 31970

Carp Stakes Flicker St.
Jamaica to Lisbon

73

				27570 27570 GRADE	27830 277.20 C 0.10
1+60	26444 263.60 C 0.84	26501 26451 C 0.50	3+00	Down 0.30	2+90
				27441 27425 C 0.16	27621 27530 27530 C 0.91
1+40	26301 262.29 C 0.72	26344 263.03 C 0.41	2+80	up 10	2+70 27525 F 115
				273.05 273.03 272.62 F 0.41	2+50 PVC 273.95 273.60 C 0.35
1+20	26162 261.21 C 0.41	26227 261.85 C 0.42	2+60 PVC		
				26908 268.86 C 0.22	2+20 EVC 27112 270.50 C 0.62
1+00 PVC	26035 26029 F 0.06	26105 260.95 C 0.10	2+20 EVC		
				26743 266.88 C 0.55	2+00 268.74 268.35 C 0.39
0+50	25847 25833 F 0.12	25907 25904 F 0.03	2+00		
				26600 26513 C 0.87	0+30 26664 266.29 C 0.35
0+07 ch BC Jamaica	256.86	257.46	1+80		

#1 END CURB	27425 273.80 C0.45	27657 276.00 C0.57
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448.03 dBC Lisbon	27437 274.15 C0.22	27629 276.09 C0.20
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3190	27529 275.29 C0.30	27690 276.82 C0.08
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3140 EVL	276.35 275.82 F0.03	276.35 275.84 F0.51	3130 EVL	27809 277.60 C0.49
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3120	276.40 276.34 F0.06	3110	277.80 277.78 F0.02
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Roberts Grade Stakes Sewer Van Dyke & Monroe
Cota to Copeland No. of Meade
Morales
12-3-54

75

WO # 21242

2583-D

1725

353.03

345.18 ✓

C 7.85

2775

352.90

345.89 ✓

C 7.01

1700

352.88

344.92 ✓

C 7.96

2750

353.10

343.79 ✓

C 7.31

0+75

352.75

344.66 ✓

C 8.09

2725

353.26

345.69 ✓

C 7.57

0+50

352.64

344.40 ✓

C 8.24

2700

353.42

345.59 ✓

C 7.83

0+28.28 EC

352.60

344.17 ✓

C 8.43

1775

353.57

345.49 ✓

C 8.08

Existing M A
0+00 Van Dyke & Van Dyke Place

352.50

343.88 ✓

C 8.62

1740.98 ~~NAH #4~~
Van Dyke & Monroe

353.13

345.35 ✓

C 7.78

BM 36447 NW 3/4 Meade & Copeland

4+25

354.37
346.48 ✓
C 7.89

5+75

360.28
347.08 ✓
C 13.203+91.81 DMH 3
Monroe Vista353.49
346.35 ✓
C 7.14

5+50

359.30 ✓
346.98
C 12.32

3+75

353.07
346.29 ✓
C 6.78

5+25

358.28
346.88 ✓
C 11.40

3+50

352.45
346.19 ✓
C 6.26

5+00

357.31
346.78 ✓
C 10.53

3+25

352.18
346.09 ✓
C 6.09

4+75

356.30
346.68 ✓
C 9.62

3+00

352.67 ✓
345.99
C 6.68

4+50

355.30
346.58 ✓
C 8.72

7+25

362.43
351.05 ✓
C 11.38

8+75

363.59
355.89 ✓
C 7.71

7+00

362.26
350.24 ✓
C 12.02

8+50

363.35
355.07 ✓
C 8.28

6+75

362.11
349.44 ✓
C 12.67

8+25

363.15
354.27 ✓
C 8.88

6+50

361.61 ✓
348.63
C 12.98

8+00

362.96
353.46 ✓
C 9.50

6+25

361.02
347.83 ✓
C 13.19

7+75

362.79
352.66 ✓
C 10.136+05.31 MH #2
Monroe & Copeland361.11
347.20 ✓
C 13.91

7+50

362.61
351.85 ✓
C 10.76

MORALEZ

78

10+00

364.43
356.63 ✓
C7.80

9+75

364.25
356.53 ✓
C7.72

9+50

364.07
356.43 ✓
C7.64

10+93.31 DE

364.68
357.00 ✓
C7.68

9+25

363.89
356.33 ✓
C7.56

10+75

364.78
356.93
C7.85

9+00

363.72 ✓
366.23
C7.49

10+50

364.77
356.83 ✓
C7.94

8+83.31 MH #1

363.63 ✓
356.16
C7.47

10+25

364.63
356.73
C7.90

Roberts Stake 194' of Sewer From
 Cota Monroe $\frac{1}{2}$ Copeland to the West
 Morales
 Kelly
 12-20-54
 No. # 21242

1721.25
 363.76
 353.15
 C 10.61

4.855%

0+97
 363.24
 351.96
 C 11.28

0+72.75
 362.80
 350.77
 C 12.03

0+48.50
 362.34
 349.58
 C 12.76

1+94 DE

365.17
 356.72
 C 8.45

0+24.25
 361.82
 348.39
 C 13.43

1+69.75

364.82
 355.53
 C 9.29

0+00 NH #2
 Copeland & Monroe
 See page 77
 361.11
 347.20
 C 13.91

1+45.50

364.30
 354.34
 C 9.96

Robert

Cota

Morale

Kelly

12-20

NO. #21

1721.2

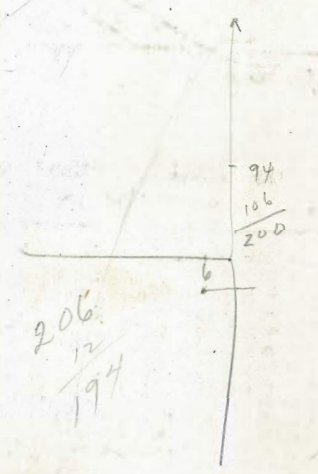
0+97

0+72

0+48.5

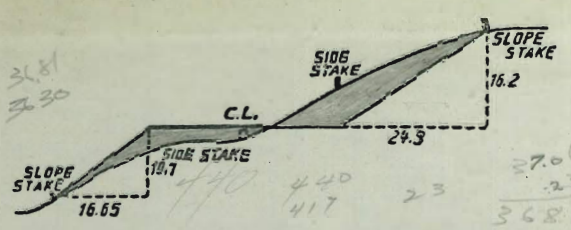
0+24.0

0+00



8/19/24
24.25

7.5000
7.2630
23.90
28.57



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.
SLOPE 1 1/2 TO 1. ROADWAY OF ANY WIDTH:

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.00	0.15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1.65	1.80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3.45	3.60	3.75	3.90	4.05	4.20	4.35	2
3	4.50	4.65	4.80	4.95	5.10	5.25	5.40	5.55	5.70	5.85	3
4	6.00	6.15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7.50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9.00	9.15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10.65	10.80	10.95	11.10	11.25	11.40	11.55	11.70	11.85	7
8	12.00	12.15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13.50	13.65	13.80	13.95	14.10	14.25	14.40	14.55	14.70	14.85	9
10	15.00	15.15	15.30	15.45	15.60	15.75	15.90	16.05	16.20	16.35	10
11	16.50	16.65	16.80	16.95	17.10	17.25	17.40	17.55	17.70	17.85	11
12	18.00	18.15	18.30	18.45	18.60	18.75	18.90	19.05	19.20	19.35	12
13	19.50	19.65	19.80	19.95	20.10	20.25	20.40	20.55	20.70	20.85	13
14	21.00	21.15	21.30	21.45	21.60	21.75	21.90	22.05	22.20	22.35	14
15	22.50	22.65	22.80	22.95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24.15	24.30	24.45	24.60	24.75	24.90	25.05	25.20	25.35	16
17	25.50	25.65	25.80	25.95	26.10	26.25	26.40	26.55	26.70	26.85	17
18	27.00	27.15	27.30	27.45	27.60	27.75	27.90	28.05	28.20	28.35	18
19	28.50	28.65	28.80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30.00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31.50	31.65	31.80	31.95	32.10	32.25	32.40	32.55	32.70	32.85	21
22	33.00	33.15	33.30	33.45	33.60	33.75	33.90	34.05	34.20	34.35	22
23	34.50	34.65	34.80	34.95	35.10	35.25	35.40	35.55	35.70	35.85	23
24	36.00	36.15	36.30	36.45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37.80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39.00	39.15	39.30	39.45	39.60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40.65	40.80	40.95	41.10	41.25	41.40	41.55	41.70	41.85	27
28	42.00	42.15	42.30	42.45	42.60	42.75	42.90	43.05	43.20	43.35	28
29	43.50	43.65	43.80	43.95	44.10	44.25	44.40	44.55	44.70	44.85	29
30	45.00	45.15	45.30	45.45	45.60	45.75	45.90	46.05	46.20	46.35	30
31	46.50	46.65	46.80	46.95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48.00	48.15	48.30	48.45	48.60	48.75	48.90	49.05	49.20	49.35	32
33	49.50	49.65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51.00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52.50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54.00	54.15	54.30	54.45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55.50	55.65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57.45	57.60	57.75	57.90	58.05	58.20	58.35	38
39	58.50	58.65	58.80	58.95	59.10	59.25	59.40	59.55	59.70	59.85	39
40	60.00	60.15	60.30	60.45	60.60	60.75	60.90	61.05	61.20	61.35	40
41	61.50	61.65	61.80	61.95	62.10	62.25	62.40	62.55	62.70	62.85	41
42	63.00	63.15	63.30	63.45	63.60	63.75	63.90	64.05	64.20	64.35	42
43	64.50	64.65	64.80	64.95	65.10	65.25	65.40	65.55	65.70	65.85	43
44	66.00	66.15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67.50	67.65	67.80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69.00	69.15	69.30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70.65	70.80	70.95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72.15	72.30	72.45	72.60	72.75	72.90	73.05	73.20	73.35	48
49	73.50	73.65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

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