

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100 00	0 44	100.00	0.87	99.99	1.31	89
1	99.98	1 75	99 98	0 44	99 97	2.62	99.95	3.05	88
2	99.94	3.49	99 92	3.93	99 91	4 36	99.88	4.80	87
3	99.86	5.23	99 84	5 67	99 81	6.10	99.79	6.54	86
4	99.76	6.98	99 73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99 58	9.15	99 54	9.58	99.50	10 02	84
6	99.45	10.45	99 41	10 89	99 36	11.32	99 31	11.75	83
7	99 25	12.19	99 20	12.62	99 14	13.05	99 09	13.49	82
8	99 03	13.92	98 97	14.35	98 90	14.78	98 84	15.21	81
9	98 77	15.64	98 70	16.07	98 63	16 50	98 56	16.93	80
10	98 48	17.36	98 40	17.79	98 33	18.23	98 25	18.65	79
11	98 16	19.08	98 08	19 51	97 99	19 94	97 90	20.36	78
12	97 81	20.79	97 72	21 22	97 63	21 64	97 53	22.07	77
13	97 44	22.50	97 34	22 92	97 24	23 34	97 13	23.77	76
14	97 03	24.19	96 92	24 62	96 81	25 04	96 70	25.46	75
15	96 59	25 88	96 48	26 30	96 36	26 72	96 25	27.14	74
16	96 13	27.56	96 00	27 98	95 88	28 40	95 76	28.82	73
17	95 63	29.24	95 50	29 65	95 37	30 07	95 24	30.49	72
18	95 11	30 90	94 97	31 32	94 83	31 73	94 69	32.14	71
19	94 55	32 56	94 41	32 97	94 26	33 38	94 12	33.79	70
20	93 97	34 20	93 82	34 61	93 67	35 02	93 51	35 43	69
21	93 36	35 84	93 20	36 24	93 04	36 65	92 88	37 06	68
22	92 72	37 46	92 55	37 86	92 39	38 27	92 32	38 67	67
23	92 05	39 07	92 33	39 47	92 11	39 87	92 03	40 27	66
24	91 35	40 67	91 18	41 07	91 00	41 47	90 81	41 87	65
25	90 63	42 26	90 45	42 66	90 26	43 05	90 07	43 44	64
26	89 88	43 84	89 69	44 23	89 49	44 62	89 30	45 01	63
27	89 10	45 40	88 90	45 79	88 70	46 17	88 50	46 56	62
28	88 29	46 95	88 09	47 33	87 88	47 72	87 67	48 10	61
29	87 46	48 48	87 25	48 86	87 04	49 24	86 82	49 62	60
30	86 60	50 00	86 38	50 38	86 16	50 75	85 94	51 13	59
31	85 72	51 50	85 49	51 88	85 26	52 25	85 04	52 62	58
32	84 80	52 99	84 57	53 36	84 34	53 73	84 10	54 10	57
33	83 87	54 46	83 63	54 83	83 39	55 19	83 15	55 56	56
34	82 90	55 92	82 66	56 28	82 41	56 64	82 16	57 00	55
35	81 92	57 36	81 66	57 71	81 41	58 07	81 16	58 42	54
36	80 90	58 78	80 64	59 13	80 39	59 48	80 13	59 83	53
37	79 86	60 18	79 60	60 53	79 34	60 88	79 07	61 22	52
38	78 80	61 57	78 53	61 91	78 26	62 25	77 99	62 59	51
39	77 71	62 93	77 44	63 27	77 16	63 61	76 88	63 94	50
40	76 60	64 28	76 32	64 61	76 04	64 94	75 76	65 28	49
41	75 47	65 61	75 18	65 93	74 90	66 26	74 61	66 59	48
42	74 31	66 91	74 02	67 24	73 73	67 56	73 43	67 88	47
43	73 14	68 20	72 84	68 52	72 54	68 84	72 24	69 15	46
44	71 93	69 47	71 63	69 78	71 33	70 09	71 02	70 40	45
45	70 71	70 71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

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6.335
 3.835
 2.508

5145
 25
 2.645

4875
 4875
 53.625
 4922
 58847

Sanford Hotel.
 Cor 5th Ash.

471+3080 PROD THRU.
477+5628

4280 N of
4290 N of

SLELTON JON

1

B.M. CON. MON. NE. COR. EUCLID AND ELCAJON

	634		34821
		35455	
TP	7.14		333 35122
		35936	
TP	12.17		084 35852
		37069	
TP	1286		081 36988
		38274	
P	11.67		138 38136
		393.03	
P	0.52		349 389.54
		390.06	
TR	13.02		1194 378.12
		391.14	
TP	11.41		097 391.07
		40248	
TP	10.02		706 39542
		40544	
TP	13.10		083 40461
		417.71	
TR	8.57		050 417.21
		425.78	
TP	10.97	/	0.34 425.44
		436.41	
TP	12.78		0.90 434.51
		447.29	

57TH ST. MEASUREMENTS FROM
SECTIONED 50' WIDE 10' WALKS.

N. L. OF MEADE AVE.

44729

P	1296		078	446.51
		459.47		
P	1097		020	459.27
		470.24		
P	926		186	468.38
		477.64		
B.M.	162		3.16	474.48
		476.10		

STATE HIGHWAY CON. MON. S. L. EL CAJON BLVD
= 474.66

WEST

EAST

	4700	4703	4703	4704	4704	4707	4711
	61	58	58	57	57	54	50
	P	C	Q	R	Q	C	P
650 N	4695	4699	4700	4703	4703	4705	4709
	66	62	61	58	58	56	52
	P	C	Q	R	Q	C	P
625 N	4697	4698	4701	4699	4699	4699	4703
	64	63	60	62	62	62	58
	P	C	Q	R	Q	C	P
615 N	4718	4717	4700	4699	4698	4699	4701
	43	44	61	62	63	62	60
	P	C	Q	R	Q	C	P

A LONG SLY LINE EL CAJON AVE END 57TH ST

VERTICAL

615 N	4673						
	88						
	P						
595 N	4675	4675	4718	4695	4693	4695	4704
	86	86	43	66	68	66	57
	P	C	Q	R	Q	C	P
575 N	4671	4671	4691	4693	4697	4699	4699
	90	52	70	73	74	72	67
	P	C	Q	R	Q	C	P
575 N	48						
	P						

57TH ST
WEST

EAST

4

47610

5+65 N	73	77	75	78	70	67
	P	C	Q	E	C	P
550 N	82	81	82	78	70	63
	P	C	Q	E	C	P
500 N	91	88	86	80	82	80
	P	C	Q	E	C	P
475 N	96	93	91	84	84	79
	P	C	Q	E	C	P
455 N	100	97	96	89	90	88
	P	C	Q	E	C	P
450 N	102	98	97	92	89	81
	P	C	Q	E	C	P
400 N	114	112	110	101	102	98
	P	C	Q	E	C	P

N. L ALLEY

S. L ALLEY

TP 387 10.36 46574

ON ROOF BLUE ICE FL

350 N	60	60	59	59	56	57
	P	C	Q	E	Q	C
P	163	46737	387	46574		
330 N	53	51	50	47	45	40
	P	C	Q	E	C	P
N.C	60	55	53	52	50	48
	P	C	Q	E	C	P
N.Q	60	57	59	57	56	53
	P	C	Q	E	Q	C

N. L. ADELAIDE ST

N.C. ✓ ✓

N.Q. ✓ ✓

57 T.H. ST.
WEST

EAST

5

£	7.0	7.0	6.8	6.6	6.3	6.0	5.7
S.Q.	8.5	8.0	8.0	7.5	6.8	6.7	6.5
S.C.	9.6	9.5	9.2	8.5	7.9	8.0	7.6
S.L.	11.0	10.8	10.4	10.0	9.7	9.7	9.4

£ ADELAIDE ST.

S.Q. ✓ ✓

S.C. ✓ ✓

S.L. ✓ ✓

TP 1.41 11.53 455.84

250' N	44.36	35.31	31.1	28.8	27.7	25.5
200' N	11.0	10.8	10.1	10.3	10.6	11.2

TP 0.65 12.46 444.79

150' N	7.7	7.1	7.4	6.8	6.8	7.0	7.4
145' N	8.1	8.1	8.4	7.6	7.5	7.6	8.0
125' N	11.5	11.5	11.9	11.4	11.5	11.6	12.3

= N. ALLEY

= S. ALLEY

TP 0.80 12.62 432.82

43362

WEST

57TH ST

EAST

6

	^{A294}	^{A296}	⁴³³⁶²	^{A297}	^{A298}	^{A299}	^{A299}
100' N	42	46	51	45	47	43	46
	P	C	Q	£	Q	C	P

TP	227	12.51	427.11
----	-----	-------	--------

	^{A105}	^{A105}	⁴²³³⁸	^{A107}	^{A102}	^{A109}	^{A104}
50' N	28	29	34	27	32	35	40
	P	C	Q	£	Q	C	P

	^{A109}	^{A107}	^{A105}	^{A101}	^{A134}	^{A126}	^{A123}
0' N	85	87	89	93	101	106	111
	P	C	Q	£	Q	C	P

B.M.	8.51	414.87
------	------	--------

N. L. MEADE AVE

ON PIPE SEC OR BLOCK 2.

ADELAIDE ST. 60' WIDE 10' WALKS
 0+00 = W.L. 57TH ST.

0.18

46574

ROCK WITH BLUE ICEL

	(S)					(T)
0+50	107 P	100 C	92 P	83 P	73 P	65 C
1+00	136 P	125 C	114 P	106 P	99 P	85 P

0.15

11.58

454.34

1+50	57 P	44 C	37 P	26 P	17 P	10 C
2+00	73 P	67 C	61 P	54 P	47 P	42 C
2+50	90 P	80 C	82 P	75 P	72 P	70 C
3+00	110 P	106 C	103 P	102 P	100 P	97 C

TP 0.95

12.47

442.02

3+50	25 P	22 C	22 P	20 P	19 P	15 C
4+00	57 P	55 C	54 P	51 P	47 P	41 C
4+50	94 P	92 C	85 P	82 P	78 P	75 C
5+00	131 P	126 C	122 P	117 P	110 P	108 C

(S) ADELAIDE ST.
44297

(N)

8

P 3.58 12.73 430.24

	A27A	A280	43382					
5+50	6.4	5.8	53	49	43	42	39	
P	C	C	Q	Q	Q	C	P	
5+85	8.6	8.3	78	73	66	63	59	
T	C	Q	Q	Q	C	P		

EAST LINE 56TH ST.

B.M. 5.82 428.00

PIPE S.W. COR BLOCK #1

MEADE AVE 60' WIDE 10' WALKS

289 417.77 414.87

BID. PIPE S.E. COR. BLOCK #2

INTERSECTION MEADE AVE AND 57TH ST (30' WIDE)

(S)

(N)

E.L. 57TH	112	104	94	84	7.5	6.5	411.3	
P	C	Q	Q	Q	C	P		
E.C.B	110	101	92	8.1	6.8	6.0	411.8	
P	C	Q	Q	Q	C	P		
E.Q	109	100	89	7.9	6.6	5.4	412.2	
P	C	Q	Q	Q	C	P		
E	108	99	87	7.3	5.8	5.2	412.6	
P	C	Q	Q	Q	C	P		
W.Q	106	96	83	6.5	5.8	5.1	412.7	
P	C	Q	Q	Q	C	P		
W.C.B	104	94	77	6.4	6.0	5.0	412.7	
P	C	Q	Q	Q	C	P		
W.L	105	89	68	6.0	5.2	4.6	412.2	
P	C	Q	Q	Q	C	P		

=0+00 =WL 57TH ST

MEADE AVE. 60' WIDE 10' WALKS

S N

0+50
^{A073} 105 ^{A087} 9.1 ^{A105} 7.3 ^{A123} 5.5 ^{A127} 5.1 ^{A136} 4.7 ^{A157} 2.1
 P C Q R Q C P

1+00
^{A074} 104 ^{A089} 8.9 ^{A103} 7.5 ^{A116} 6.2 ^{A125} 5.3 ^{A141} 3.7 ^{A160} 1.8
 P C Q R Q C P

1+50
^{A098} 80 ^{A108} 70 ^{A123} 5.5 ^{A128} 5.0 ^{A129} 4.5 ^{A144} 3.4 ^{A153} 3.3 ^{A170} 0.8
 P C Q R Q C P

TP 8.13 0.42 417.35

2+00
^{A148} 107 ^{A156} 9.9 ^{A163} 9.2 ^{A173} 8.2 ^{A183} 7.2 ^{A193} 6.2 ^{A201} 5.4
 P C Q R Q C P

TP 8.39 0.92 424.56

2+50
^{A155} 115 ^{A176} 104 ^{A195} 9.6 ^{A204} 8.5 ^{A215} 7.2 ^{A224} 6.6 ^{A267} 6.3
 SL C Q R Q C P

TP 5.91 2.24 430.71

3+00
^{A286} 80 ^{A291} 7.5 ^{A297} 6.9 ^{A303} 6.3 ^{A310} 5.6 ^{A313} 5.3 ^{A322} 4.4
 P C Q R Q C P

3+50
^{A326} 40 ^{A326} 40 ^{A327} 3.9 ^{A333} 3.3 ^{A335} 3.1 ^{A340} 2.6 ^{A344} 2.2
 P C Q R Q C P

4+00
^{A309} 57 ^{A313} 53 ^{A315} 5.1 ^{A320} 4.6 ^{A322} 4.4 ^{A325} 4.1 ^{A326} 4.0
 P C Q R Q C P

4+50
^{A296} 76 ^{A296} 70 ^{A301} 6.5 ^{A303} 6.3 ^{A305} 6.1 ^{A306} 6.0 ^{A308} 5.8
 P C Q R Q C P

	AR65	AR66	AR75	43661	AR81	AR84	AR87	AR89
S+00	101	100	91	85	82	79	78	
	P	C	Q	Q	Q	C	P	
	AR79	AR50	AR54	AR60	AR65	AR66	AR66	
S+50	117	116	112	106	101	100	100	
	P	C	Q	Q	Q	C	P	
	AR71	AR72	AR75	AR77	AR80	AR81	AR84	
S+85	125	124	121	119	116	114	112	
	P	C	Q	Q	Q	C	P	

BM		11.17	425.44
CHECK BM		8.61	428.00

INTERSECTION MEADE AVE AND 56TH ST.
430 425.44

	AR39	AR43	429.74	AR46	AR50	AR50	AR52
I.C.B. SCR.	58	54	52	51	47	47	45
	P	C	Q	Q	Q	C	P
	AR42	AR46	AR46	AR45	AR46	AR48	AR49
E.Q.	55	51	51	52	51	49	48
	P	C	Q	Q	Q	C	P
	AR36	AR37	AR40	AR40	AR42	AR42	AR44
E	6.1	6.0	5.7	5.7	5.5	5.5	5.3
	P	C	Q	Q	Q	C	P
	AR40	AR42	AR44	AR44	AR44	AR45	AR42
W.Q.	5.7	5.5	5.3	5.3	5.3	5.2	5.5
	P	C	Q	Q	Q	C	P
	AR39	AR41	AR42	AR41	AR42	AR43	AR42
W.C.	5.8	5.6	5.5	5.6	5.5	5.4	5.5
	P	C	Q	Q	Q	C	P
	AR34	AR35	AR37	AR41	AR41	AR38	AR41
W.L	6.3	6.2	6.0	5.6	5.6	5.9	5.7
	P	C	Q	Q	Q	C	P

E.W. 56TH ST 50' WIDE (10' WALKS)

P.I.P.E S.W. COE BLOCK #2
B.M. P.I.P.E S.W. COE BLOCK #1

56TH

SGTH ST. 50' WIDE 10 WALKS

0+00 = N.L. MEADE ST.

11

	W		E		E	
	227		42544		42544	
0+50N	A239 38	A238 39	427.71 A241 36	A244 33	A251 26	A251 26
1+00N	A230 47	A230 47	A232 45	A236 41	A244 33	A244 30
1+50N	A226 51	A227 50	A229 48	A233 44	A241 36	A243 34
1+50N	A226 51	A226 51	A225 52	A230 47	A238 39	A241 36
1+50N	A225 52	A226 51	A226 51	A229 48	A238 39	A239 38
2+00N	A225 52	A226 51	A221 56	A230 47	A240 37	A244 37
2+50N	A226 49	A229 48	A228 49	A232 45	A241 36	A244 33
SL	A231 46	A232 45	A232 45	A230 44	A245 32	A246 31
SG	A233 44	A233 44	A232 45	A239 38	A249 28	A250 27
SQ	A234 43	A234 43	A236 41	A241 36	A255 22	A257 20
E	A237 40	A236 41	A241 36	A249 28	A260 17	A262 15
Na	A243 34	A243 34	A247 30	A251 26	A266 11	A269 08

ADELAIDE ST 60' WIDE

(W)

(E)

42771

TP 6.24 0.31 42740

N CB 88 88 86 87 67 65
 P C P Q C P

N.L. 84 85 82 76 63 60
 P C P Q C P

350 N 80 76 72 70 54 53 49
 P C P Q C P

400 N 56 54 52 48 35 38 32
 P C P Q C P

450 N 47 46 40 37 18 21 18
 P C P Q C P

455 N 45 44 37 31 16 20 17
 P C P Q C P

475 N 42 41 36 25 14 14 08
 P C P Q C P

TP 8.22 3.73 42931

500 N 80 80 71 65 49 51 48
 P C P Q C P

550 N 54 54 41 41 40 32 33
 P C P Q C P

Along S.L. 25 28 33 39 47 53 50
 P C P Q C P

EL CAJON

B.M. 250 435.63
 C/K.B.M. 3.65 434.48

ADELAIDE ST

= S.L. ALLEY

= N.L. ALLEY

PIPE NW COR BLK #1

EL CAJON BLVD 80' WIDE 14 WALKS 13 Q'S

1.00 475.48 474.48

EL 57TH 44 45 42 38

PT. ANGLES TO EL CAJON

0+00 55 55 63 57 52 - W. L. 57TH ST.

50 W 72 71 73 72

100 W 88 91 94 97

150 W 108 108 118 112 127 125

TP 006 463.13 12.41 463.07

200 W 12 08 14 33 32

250 W 35 34 43 43 64 64

300 W 67 65 72 73 94 93

350 W 106 102 107 110 120 122

TP 042 451.20 1235 450.78

400 W 31 25 23 26 32 33

45 N. OF S L. EL CAJON = EDGE PAVEMENT OF HIGHWAY

450 W	70 P	6.7 C	6.1 Q	6.7 Q	6.2 35
500 W	103 P	10.1 C	9.7 Q	10.3 Q	9.4 35
550 W	131 P	13.3 C	12.9 Q	13.3 Q	12.3 35
TP	1.16			12.15	439.05

EL 56TH ST	45.5 T	50 C	49 Q	45.3 39	43.568 35
W.L. 56TH ST	7.3 P	7.3 C	7.3 Q	7.0 35	

AT TRIANGLE ST. S L EL CAJON

TP	0.10	348.31		348.21 B.M.
	7.55		1.28	347.03
		354.58		CITY STATES
			3.89	350.69 = 356.83

EUCLID AND EL CAJON

EQUATION OF LEVELS

STATE HWY B.M. YELLOW CROSS ON CURB N.W. COR EUCLID AND ORANGE

STA 477+56.0

POINT OF SURVEY FOR ICE PAVING OF STATE HIGHWAY

STA 477+56.0

EL CAJON BLVD

4280

4280

NOTE DISTANCE FROM S.L. EL CAJON TO PAVEMENT

E.L. 56TH ST. →

560' E. OF W.L. 57TH ST.

LEVELS ALLEY BLDG 1 F. T. SEWERS

187

465.74

467.61

0+00

15

466.1

= SW. L. 57TH ST

+50

31

464.5

444.74

S+50

103

434.4

1

45

463.1

S+85 = E. L. 56TH ST

125

432.2

+50

69

460.7

2

93

458.3

+50

124

455.2

TP

137

130.1

454.60

455.97

3

50

451.0

+50

102

445.8

4

132

442.8

TP

113

444.74

123.6

443.61

+50

43

440.4

5

71

437.6

♀ LEVELS BLOCK Z FOR SEWERS

	467		437.70
		442.37	
0+00		65	435.9
+50		62	436.2
1		65	435.9
+50		66	435.8
2		69	435.5
+50		56	436.8
3		3.1	439.3
TP	0.57	2.68	439.69
+50		14	438.9
4		41	436.2
+50		72	433.1
5		103	430.0

= W. L. ST. X ST.

440.26

TP 3.95

11.57 428.99

432.95

S+50

6.5 426.5

S+85 = E. L. 56 TH. ST.

8.6 424.4

14.50 8.70 422.5

440.26

X Sections of El Carrizo
Heights No 1.

El Cerrito Tract.

58th St.

B.M.	+	π	-	Elev
				474.48
	2.32	476.80		
P			5.05	471.75
	4.97	476.72		
P			5.11	471.61
	1.31	472.92		

INT. 58th & Madison. S. side of st = 00. N. side = 0+50 N.

West	PL	C	PL	East
	60.6	59.2	58.8	
PL 0+50 N	12.3	13.1	14.1	
	61.5	60.3	59.6	
C 0+40 N	11.4	12.6	13.3	
	62.2	61.4	61.1	
E 0+25 N	10.7	11.1	11.8	
	63.1	62.5	62.5	
C 0+10 N	9.8	10.4	10.7	
	63.6	63.3	63.1	
PL 0+00 N	2.3	3.6	3.8	
	65.2	65.1	65.2	
0+50 S	7.1	7.9	7.7	
	66.6	66.4	66.5	
1+00 S	6.3	6.9	6.7	
	67.7	67.8	67.9	
1+50 S	5.2	5.1	5.0	
	68.9	68.9	68.9	
2+00 S	4.0	4.1	4.0	
	70.1	69.8	70.0	
2+50 S	2.8	3.1	2.9	
	70.5	70.8	70.8	
3+00 S	2.4	2.1	2.0	
	71.2	71.5	71.8	
3+50 S	1.7	1.4	1.1	
	71.3	71.8	72.3	
4+00 S	1.6	1.1	0.6	
P		1.30	471.62	
	4.75	476.37		

58th St.

4+50 S $\begin{matrix} P \\ 71.9 \\ 4.5 \end{matrix}$ $\begin{matrix} C \\ 71.9 \\ 4.5 \end{matrix}$ $\begin{matrix} E \\ 72.4 \\ 4.0 \end{matrix}$ $\begin{matrix} C \\ 74.9 \\ 1.9 \end{matrix}$ $\begin{matrix} P \\ 74.9 \\ 1.9 \end{matrix}$

476.37

P 1.33 475.04

5+00 S $\begin{matrix} 9.27 \\ 75.7 \\ 8.6 \end{matrix}$ $\begin{matrix} 484.31 \\ 80.5 \\ 3.8 \end{matrix}$ $\begin{matrix} 81.5 \\ 19.5 \\ 2.8 \end{matrix}$ $\begin{matrix} 79.1 \\ 5.2 \end{matrix}$ in Res 77.5
68

4+50 S $\begin{matrix} 79.9 \\ 74.4 \end{matrix}$ $\begin{matrix} 81.8 \\ 5E 2.5 \end{matrix}$ $\begin{matrix} 81.6 \\ 10E 2.7 \end{matrix}$ $\begin{matrix} 76.2 \\ 8.1 \end{matrix}$ in Res

5+78 S $\begin{matrix} 78.6 \\ 5.7 \end{matrix}$ $\begin{matrix} 81.9 \\ 5E 2.4 \end{matrix}$ $\begin{matrix} 81.8 \\ 10E 2.5 \end{matrix}$ $\begin{matrix} 76.8 \\ 7.8 \end{matrix}$

6+53 S $\begin{matrix} 72.3 \\ 72.0 \end{matrix}$ $\begin{matrix} 72.6 \\ 11.7 \end{matrix}$ $\begin{matrix} 73.4 \\ 10.5 \end{matrix}$ $\begin{matrix} 77.6 \\ 6.7 \end{matrix}$ $\begin{matrix} 80.3 \\ 4.0 \end{matrix}$

P 11.58 472.73

4.69 477.42

B.M. 2.95 474.47

	P	C	E	C	P
S. Prop Lines					
=6+78 S					
219	72.4	72.6	72.7	72.9	73.1
-25=5.5	5.0	4.8	4.7	4.5	4.3
	72.5	72.7	72.9	73.1	73.3
6+98.5	4.9	4.7	4.5	4.3	4.1
Eq. Paye.	72.3	72.6	72.7	72.9	73.0
7+16 S	5.1	4.8	4.7	4.5	4.4
+ El Cajon	72.6	72.9	73.1	73.3	73.5
7+26	4.8	4.5	4.3	4.1	3.9

73.7
+75.37

59th St.

+	π	-	474.78
1.42	475. ⁹⁰		
		1.35	474. ⁵⁵
1.66	476. ²¹		
		6.99	469. ²²
1.33	470. ⁵⁵		
NW Cor BIK 8.		7.45	463. ¹⁰
1.33	464. ⁴³		
NE Cor BIK 8		11.06	453. ³⁷
		5.09	459. ³⁴
8.05	467. ³⁹		
NE Cor BIK 7		5.10	462. ²⁹
NE Cor BIK 6		2.58	464. ⁸¹

W ↑ E → 467.4

00 = S. line of 59th & Madison

West	PL	C	±	C	PL	East.
0+00	62.3 51	62.5 49	62.9 45	63.0 44	63.1 43	
0+10 N	62.3 51	62.5 49	62.7 47	62.8 46	62.9 45	
0+25 N	62.0 54	62.1 53	62.9 45	62.5 41	62.8 46	
0+40 N	62.0 54	62.3 51	62.4 50	62.4 50	62.8 48	
0+50 N	62.2 52	62.2 52	62.5 49	62.5 49	62.5 49	
1+00 N	61.9 55	62.0 54	62.3 51	62.2 52	62.2 52	
1+50 N	62.3 51	62.3 51	62.4 50	62.1 53	62.3 51	

59th St.

208
35
250

28

	P	C	467.39	£	C	P
	62.4	62.3		62.6	62.2	62.2
2+00 N	5.0	5.1		4.8	5.2	5.2
	62.7	62.5		62.4	62.5	62.2
2+50 N	4.7	4.9		5.0	4.9	4.2
	62.4	62.3		62.4	62.4	5.4
3+00 N	5.0	5.1		5.0	5.0	5.4
	62.5	62.5		62.3	62.2	62.1
3+50 N	4.9	4.9		5.1	4.2	4.3
	62.3	62.5		62.4	62.3	62.2
4+00 N	5.1	4.9		5.0	5.1	5.2
	62.4	62.4		62.5	62.4	62.2
4+50 N	5.0	5.0		4.9	5.0	5.2
	62.2	62.1		62.1	62.2	62.1
5+00 N	5.2	5.3		5.3	5.2	5.3
	62.1	62.1		62.2	61.9	61.8
5+50 N	5.3	4.3		5.2	5.5	5.6
	61.6	61.6		61.7	61.7	61.6
6+00 N	5.8	5.8		5.7	5.7	5.8
	61.3	61.3		61.5	61.7	61.3
6+50 N	6.1	6.1		5.9	5.7	6.1
	60.9	60.9		61.7	61.5	61.0
6+60 N	6.5	6.5		5.7	5.9	6.4
	61.3	60.8		60.6	60.4	60.2
6+90 N	6.1	6.6		6.8	7.0	7.2
	63.3	63.5		63.7	64.0	64.2
0+50 S	4.1	3.9		3.7	3.4	3.2
	64.3	64.7		65.0	65.3	65.5
1+00 S	3.1	2.7		2.4	2.1	1.9
	65.2	65.4		65.8	66.0	66.4
1+50 S	2.2	2.0		1.9	1.4	1.0

	P	2.96	468	02	2.33	465.06
2+00 S	64.5	3.5	64.4	3.6	64.7	3.9
	63.5	4.5	63.2	4.8	63.1	4.9
2+56 S	63.5	4.5	62.8	5.2	62.6	5.4
	63.0	5.0	62.3	5.7	62.0	6.0
2+76 S	62.7	5.3	62.3	5.7	60.9	6.9
	61.0	7.0	60.8	7.2	61.5	6.7
3+00	61.0	7.0	60.8	7.2	61.5	6.7
3+51	7.0	7.2	7.2	7.1	6.5	6.3

59th

π

468.02

	P	C	€	0	P
3+76.5	60.5	60.9	60.6	61.0	61.1
-25=67	1.5	7.1	7.4	7.0	6.9
	60.5	60.6	60.6	60.8	61.4
3+86.5	7.5	7.4	7.4	7.2	6.6
	62.2	62.1		61.9	61.8
4+18.5	5.8	5.9	Tree	6.1	6.2
€ El Cajon	62.9	62.3		62.1	62.1
4+28.5	5.6	5.7	"	5.9	5.9

+75 60'

P

5.72 462 30

6.58 468 88

4.06 464.82

West

East

Esther St.

	P	C	€	0	P
0+00.5	64.8	64.8	65.2	65.1	65.6
	4.1	4.1	3.7	3.5	3.3
0+50.5	65.9	65.5	65.3	65.5	65.5
+77	3.5	3.4	3.6	3.4	3.4
0+88.5	66.0	66.0	65.9	65.4	65.5
	2.0	2.0	3.0	3.5	3.4
90	66.5	66.3	65.8	65.5	65.4
1+04.5	2.4	2.6	3.1	3.1	3.5
H40	66.9	66.1	65.9	65.7	65.3
1+58.5	2.4	2.8	3.0	3.2	3.6
1+65	66.1	66.1	65.8	65.5	65.6
1+83.5	2.8	2.8	3.1	3.4	3.3
1+90					
2+08.5	66.5	66.1	65.8	65.7	65.5
-25	2.4	2.8	3.1	3.2	3.4
2+18	66.4	66.1	66.0	65.5	65.4
	2.6	2.8	2.9	3.4	3.5
2+48	65.0	65.0	65.1		65.1
	3.9	3.9	3.8	Tree	3.8
€ El Cajon	65.2	65.2	65.2	"	65.2
2+58	3.1	3.1	3.7	"	3.7

0+00 = S. side of Madison Ave

Esther St. π
468.88

West	P	C	\pm	C	P East
		468.9			
0+10N	64.7 4.2	64.9 4.0	65.1 3.8	65.3 3.6	65.4 3.5
0+25N	64.3 4.6	64.3 4.6	64.8 4.1	65.3 3.5	65.3 3.6
0+40N	63.8 5.1	64.3 4.6	64.7 4.2	64.8 4.1	64.0 4.0
0+50N	63.2 5.2	63.9 5.0	64.4 4.5	64.7 4.2	64.8 4.1
1+00N	62.3 6.6	62.5 6.4	62.8 6.1	62.8 6.1	62.2 5.7
1+50N	60.3 8.6	60.6 8.3	61.4 7.5	61.7 7.2	62.1 6.8
2+00N	58.3 10.6	58.7 10.2	59.5 9.4	60.3 8.6	60.7 8.2

0+00 = South Side of Madison Ave.

P 10.09 458.79

	1.77	460.56			
2+50N	53.9 6.1	54.6 6.0	56.0 4.6	57.4 3.2	58.0 2.6
3+00N	49.2 11.4	49.2 11.4	49.3 11.1	50.9 9.7	52.0 8.6

P 10.94 449.62

	2.74	452.36			
3+50N	46.4 6.6	45.7 6.7	45.3 7.1	44.9 6.5	44.8 5.6
4+00N	46.3 11.1	43.6 8.8	41.9 10.5	42.7 10.1	43.2 9.2

Top hub 5+6 9.70 443.66

2.74 449.62

12.03 461.65

0.82 460.83

7.61 468.44

Esther St.

468.44

5.77 468.87 5.34 463.10

8.15 476.44 0.58 468.29

1.66 476.07 2.03 474.41

B.M.

1.59 474.48

60th St.

Top of Iron Pipe N.E. Cor Bk 6 BM 464.81

5.91 470.72

3.74 471.34 3.14 467.58

1.52 470.64 2.22 469.12

	PL	C	E	G	PL
00 = N Line of Tract	64.5	65.9	66.4	66.2	65.6
	61	47	4.2	4.4	5.0
0+10 S	64.5	65.2	65.9	66.1	65.9
	61	5.4	4.7	4.5	4.7
0+20 S	64.6	65.2	65.6	66.0	66.0
	61	5.4	5.0	4.1	4.6
0+30 S	64.4	64.8	65.8	66.1	66.2
	62	5.8	4.8	4.3	4.4

00 = N Line of Tract. Φ ? Adams St

60th St.

⌞

470.64

0+405	64.8 5.8	64.9 5.7	65.5 5.1	65.8 4.8	66.5 4.1
0+995	64.8 5.8	64.7 5.9	65.0 5.6	64.8 5.8	65.0 5.6
1+335	64.6 4.9	64.6 5.0	65.1 5.5	65.5 5.5	64.9 5.7
1+825	64.7 4.9	64.8 5.8	65.3 5.3	65.0 5.6	65.4 5.2
2+315	64.6 4.9	64.4 5.6	65.0 5.6	65.3 5.3	65.8 4.8
2+805	65.4 5.2	65.1 5.5	65.7 4.9	65.4 5.2	65.4 5.2
3+295	65.7 4.9	65.5 5.1	66.1 4.5	66.0 4.6	65.7 4.9
3+785	65.6 4.9	65.5 5.1	66.1 4.5	65.8 4.8	66.4 4.2
4+275	65.5 4.9	65.3 5.3	65.9 5.2	65.2 5.4	65.0 5.6
4+76	65.6 5.0	65.5 5.1	65.6 5.0	65.4 5.2	65.3 5.3
5+255	66.3 4.9	66.1 4.5	66.1 4.5	66.0 4.6	65.7 4.9
5+74	66.6 4.9	66.4 4.2	66.6 4.0	66.4 4.2	65.8 4.8
6+23	66.8 5.0	66.5 4.1	66.8 3.8	67.4 3.1	67.0 3.1

1.52 469.12

6+73	67.2 4.5	67.1 4.6	67.2 4.5	67.0 4.7	66.8 4.9
PropLine	66.7 5.0	66.6 5.1	66.6 5.1	66.7 5.0	66.1 5.6
+ 10	66.6 5.1	66.4 5.3	66.5 5.2	66.4 5.3	66.1 5.3
Edge Para	65.5 4.9	65.5 4.9	65.6 4.9	65.6 4.9	65.6 4.9
+ 50	65.5 4.9	65.5 4.9	65.6 4.9	65.6 4.9	65.6 4.9
± El Cajon	65.7 6.0	65.7 6.0	65.8 5.9	65.8 5.9	65.8 5.9

2.62 469.12

0.80 469.92

B.M. 5.11 464.91

El Cerrito St.

West π 463.10 East

	1. 10	464. 29				
00 = N side of Mt						
00	59.1 59.2	59.0 59.3	59.4 4.9	59.6 4.7	60.5 3.8	60.3 4.0
0+10 S	58.9 59.4	59.1 5.2	59.5 4.8	59.7 4.7	60.2 4.1	60.8 3.8
0+25 S	59.2 59.7	59.3 5.0	59.6 4.7	59.8 4.6	60.5 3.8	60.8 3.3
0+40 S	59.7 60.1	59.6 4.7	59.7 4.6	59.8 4.5	60.6 3.7	61.1 3.2
0+50 S	59.9 60.4	59.9 4.4	59.8 4.5	59.7 4.6	60.9 3.4	61.2 3.1
1+00 S	61.2 61.4	60.5 3.8	60.8 3.5	60.6 3.7	62.2 2.1	62.1 2.3
1+50 S	61.4 61.9	61.7 2.6	61.8 2.5	61.8 2.5	62.3 2.5	63.1 1.2

North Line int El Cerrito + Madisons

P 2.51 461.78

	6 99	468	67			
2+00 S	63.8 4.9	63.7 5.0	63.7 5.0	63.6 5.1	64.5 4.2	64.6 4.1
2+50 S	64.2 4.5	64.0 4.7	63.3 5.4	63.5 5.2	64.9 3.8	65.4 3.3
3+00 S	64.9 3.8	64.1 4.6	63.6 5.1	63.9 4.8	64.7 3.0	64.3 2.4
3+50 S	64.4 4.3	64.1 4.6	64.2 4.5	64.2 4.5	65.0 2.2	65.5 2.2
4+00 S	65.0 3.7	64.6 4.1	64.4 4.3	64.7 4.0	65.2 3.2	66.0 2.7
4+50 S	64.8 3.9	64.5 4.2	64.3 4.4	64.5 4.2	65.3 3.2	65.5 3.2

P 4.19 464.48

	3 03	467	51			
5+00 S	64.3 3.2	64.2 3.3	64.0 3.5	64.1 3.4	65.4 2.1	65.8 1.7

El Cerrito St.

67.5 67.5
53 88
11.2 58.7

W.	64.2	63.4	63.6	64.7	65.6	65.6
5+50.5	3.3	4.1	3.9	3.0	1.9	1.9
6+00	63.8	62.5	62.7	63.8	64.0	64.5
	3.7	5.0	4.8	2.2	2.2	2.2
6+50	62.9	61.8	61.8	61.9	64.9	65.0
	4.6	5.7	5.7	2.7	2.5	2.5
6+60	62.3	61.3	61.3	61.3	64.0	64.4
	5.2	6.2	6.2	3.0	3.1	3.1
7+10	61.7	59.7	59.7	61.7	63.8	63.8
	5.8	7.8	7.8	4.0	4.0	4.0
7+41	60.6	59.1	59.2	60.6	62.7	62.7
	6.9	8.4	8.3	4.7	4.8	4.8
PL	60.4	58.4	58.7	60.4	62.5	62.5
7+66	7.1	9.1	8.9	62.5	63.5	63.5
	60.4	58.1	58.3	4.0	4.0	4.0
7+76	7.1	9.4	9.2	62.3	62.6	62.6
Break	59.7	57.7	57.7	61.1	61.3	61.3
8+06	7.8	9.8	9.3	61.1	61.3	61.3
	54.5	57.2	58.3	4.0	4.0	4.0
8+16	11.0	10.3	9.2	59.8	59.8	59.8
Ed Payne	57.0	57.5	58.4	60.2	60.2	60.2
8+22	10.5	10.0	9.1	59.3	7.3	7.3
El Cajon	56.9	57.5	58.5	60.0	61.0	61.0
8+32	10.6	10.0	9.1	59.3	7.5	7.5

E.

211
2/19

741
13/22

P.			2.58	464.93
	11.58	476	51	
			2.02	474.43

Madison Ave

South

463.10 North

00 = W. Line
05 El Cerrito Tr 4.33

467.49

0+00	59.8 77	59.4 81	59.1 87	59.0 85	59.0 85
0+10 E	59.8 77	59.5 80	59.2 85	59.0 85	59.0 85
0+25 E	59.8 77	59.7 78	59.5 80	59.5 80	59.3 77
0+40 E	60.5 70	60.2 73	60.0 75	59.7 78	59.7 78
0+50 E	61.1 64	61.5 65	60.4 71	60.4 71	60.3 72
1+00 E	62.0 55	61.7 58	61.5 61	61.0 65	60.7 68
1+50 E	62.9 46	62.5 50	62.3 52	61.5 60	61.3 62
1+65 E	63.0 45	62.7 48	62.4 51	61.9 56	61.4 61
1+75 E	62.2 43	62.1 44	62.4 51	62.0 55	61.5 60
2+25	63.7 38	63.6 39	62.8 47	62.5 52	62.1 54
2+75	63.6 39	63.4 41	62.3 52	61.6 59	60.9 66
2+85	63.6 39	63.2 43	62.3 52	61.5 60	60.9 66
2+95	63.6 39	63.1 44	62.3 52	61.4 60	60.6 69
3+10	63.5 40	63.0 45	61.9 56	60.8 61	59.7 78
3+25	62.3 42	62.8 47	61.5 60	60.5 71	59.2 83
3+35	63.1 44	62.5 50	61.1 64	59.7 78	58.8 87
3+50	62.8 47	62.0 55	60.5 70	58.9 86	57.6 93
3+75	61.0 65	59.9 76	58.3 92	56.5 110	55.3 122

P

1.70 462.70

6.49 461.00

463.10
4.39
 467.49
6.49

 461.00
1.70
 462.70
9.33
 453.37
6.92
 460.29
4.45
 455.84
10.65
 466.49

Madison Ave.

So.	462.70				No
4+00	59.1 3.6	58.3 4.4	56.4 6.3	53.8 8.9	51.8 10.9
4+50	58.7 4.0	57.2 5.5	55.2 7.5	51.8 10.9	48.7 14.0
Backline	58.6	57.7	55.3	52.2	49.8
4+60	58.4 4.1	57.0 5.0	55.3 7.4	52.5 10.5	49.8 12.9
5+00	59.3 3.4	58.7 4.0	57.0 5.7	54.4 7.3	54.1 8.6
70	57.0	56.1	54.3	51.5	49.0
5+50	57.0 5.7	56.1 6.6	54.3 8.4	51.5 11.2	49.0 13.1

50
115
120
50
335
125
160
125
565

100
335
65

P NE Cor BK 8. 1P. 9.33 453 37

	6.92	460	29		
WPL	53.1	52.1	50.0	47.0	44.7
5+85	7.2	8.2	10.3	13.3	15.6
E PL Alice					
6+35	Not cleared.				
50	53.6	52.7	53.5	55.6	56.4
6+85	6.7	7.6	6.8	4.7	3.9

P 9.45 455 81 34

	10.65	466.49			
7+00	54.1 12.4	54.0 12.5	55.5 11.0	56.7 9.8	57.1 9.4
7+50	58.2 8.3	58.1 8.4	58.5 8.0	58.8 7.7	59.2 7.3
Backline	59.0	58.6	58.9	59.4	59.5
7+62	7.5	7.9	7.6	7.1	7.0
8+00	60.3 6.2	60.1 6.4	60.0 6.5	60.1 6.4	60.5 6.0
8+50	61.5 5.0	61.5 5.0	61.3 5.2	61.2 5.3	61.3 5.2
WPL	62.2	62.3	62.0	62.0	62.1
8+89	4.3	4.3	4.5	4.5	4.4
8+99	62.6 3.9	62.4 4.1	62.3 4.4	62.3 4.2	62.3 4.2
9+14	62.1 4.4	62.8 3.7	62.5 4.0	62.5 4.0	62.5 4.0
9+29	63.0 3.5	62.8 3.7	62.7 3.8	62.9 4.1	62.5 4.0
E PL	63.1	62.9	62.6	62.6	62.5
9+39	3.4	3.6	3.9	3.9	4.0

South	P	C	466.49	C	North
9+50	63.4 3.1	63.2 3.2	62.9 4.6	62.8 3.7	62.6 3.9
10+00	64.7 2.8	63.4 3.1	63.2 4.3	62.9 3.6	62.7 3.8
10+66	64.3 2.2	63.9 2.6	63.4 3.1	63.0 3.5	62.7 3.8
11+00	64.1 2.4	63.8 2.7	63.3 3.2	62.9 3.6	62.6 3.9
11+50	64.2 2.3	64.0 2.5	63.6 2.9	63.2 3.3	62.7 3.8
11+93	64.8 1.7	64.6 1.9	64.1 2.4	63.6 2.7	63.6 2.7
12+03					

BM. 1.67 464.82 464.81

466.49
1.67
464.82

ALICE ST.

BM. NE Cor BIK 8 Iron Pipe 453.37

W 12.70 466.07
50 ft South of
00 = S. Side of S. Madison St

	P	C	E	C	P
0+00	57.2 8.9	56.7 9.4	56.7 9.4	56.2 9.9	56.7 9.4
0+50 S	62.5 3.6	62.4 3.7	62.2 3.9	61.9 4.2	61.7 4.4
1+00 S	64.8 1.3	65.0 1.1	64.8 1.3	64.6 1.5	64.7 1.4

P 0.81 465.26

10.46 475.72

Alice St
475.72

1+505	66.9 88	67.0 87	67.0 87	66.6 91	66.6 91
2+005	69.3 64	69.3 64	69.3 64	69.3 64	69.3 64
2+505	70.5 5.2	70.8 4.9	70.8 4.9	71.0 4.7	71.0 4.7
3+005	71.7 4.0	71.7 4.0	71.7 4.0	71.7 4.0	72.0 3.7
3+505	72.0 3.7	72.3 3.4	72.3 3.4	72.0 3.7	72.2 3.5
3+79	72.3 3.1	72.6 3.1	72.6 3.1	72.5 3.2	72.5 3.2
4+23	72.8 2.9	73.0 2.7	72.6 3.1	72.7 3.0	72.5 3.1
4+36	73.3 2.4	73.4 2.3	73.2 2.5	73.1 2.6	72.7 3.0
4+50	72.3 3.4	72.4 3.2	72.2 3.5	72.0 3.7	72.2 3.5
5+2	73.3 2.4	73.2 2.5	73.3 2.4	73.2 2.5	72.9 2.8
5+37	73.3 2.4	73.2 2.5	73.3 2.4	73.2 2.5	72.9 2.8
5+00	73.3 2.4	73.2 2.5	73.3 2.4	73.2 2.5	72.9 2.8
5+10	73.9 1.8	74.1 1.6	73.8 1.9	73.7 2.0	74.0 1.7

5+43 Trees
5+53 Trees

F

5.22 478.92 2.02 473.70

BM. 4.45 474.47 474.48

Back Lines. Blk 5.

		469.81	
	5.09	469.90 ✓	
13-14-15		4.1	
P		3.06	466.84 ✓
	2.94	469.78 ✓	
13-15-16		3.2	466.6
13-16-18		3.0	466.8
16-17-18		2.4	467.4
12-13-18		3.0	466.8
12-11		3.7	466.1
P		2.60	467.18 ✓
	0.76	467.94 ✓	
18-19		2.0	465.9
11-10		2.7	465.2
19-20		2.7	465.2
10-9		3.3	464.6
20-21		3.3	464.6
9-8		4.3	463.6
21-22		4.2	463.7
8-7		5.1	462.8
22-23		5.2	462.7
7-6		5.8	462.1
23-24		5.8	462.1

Top of pipe N.E. Cor Blk 6.

Back Lines BIK 5

π

467.94

P 0.00 462.47 5.47 462.47 ✓

6-5 462.5 1.6 460.9

24-25 1.6 460.9

5-4 3.1 459.4

25-26 3.1 459.4

4-3 3.2 459.3

26-27 3.2 459.2

27-28 4.7 457.8

3-2 4.9 457.6

28-29 7.0 455.5

2-1 7.1 455.4

P line 7.6 454.9

P 2.83 459.64 ✓

1.86 461.50 ✓

Back Lines BIK 4

5-6 461.5 2.1 459.1

6-7 2.1 459.4

7-8 1.5 460.0

8-9 1.1 460.4

9-10 0.8 460.7

10-11 0.8 460.7

P 0.57 460.33 ✓

4.90 465.83 ✓

	⌈			
	465.83			
11-12	465.8	4.4	461.4	
13-12		3.2	462.6	
B.M.		3.59	462.24	462.29

N.E. Cor BIK 7. Top of Pipe

Back Lines BIK 6

462.29

N.E. Cor BIK 7

" " "

	3.60	465.83 ✓		
1-12		465.9	1.7	44.2
12-1			0.1	465.8
P			0.03	465.86 ✓
	4.28	470.14 ✓		
2-11		470.1	3.0	467.1
3-11			2.7	467.4
4-11			3.2	466.9
7-8			3.1	467.0
8-9			2.4	467.7
9-10			2.9	467.2
7-6			4.3	465.8
6-5			5.4	464.7
P			5.99	464.15 ✓
	9.57	473.72 ✓		

Back Lines BIK 7

473.72

13-12	473.7	8.7	465.0
12-11		6.9	466.8
11-10		5.2	468.5
14-7		4.8	468.9
10-9		3.3	470.4
9-8		1.9	471.8
7-6		5.9	467.8
6-5		7.1	466.6
14-15		8.0	465.7
5-4		8.1	465.6
15-16		8.9	464.8
4-3		9.1	464.6
16-17		10.8	462.9
3-2		11.0	462.7
17-18		13.1	460.6
2-1		13.1	460.6
1-18		14.6	459.1

Back Lines BIK 8

17-16		1.3	472.4
16-15		0.57	473.15

396 477.11

How about the rest of this

Back Lines Blk 8

477.11

9-10	477.1	4.2	472.9
9-8		5.1	472.0
8-7		5.7	471.4
7-6		6.6	470.5
6-5		8.1	469.0
5-4		9.4	467.7
4-3		10.9	466.2
3-2		12.9	464.2
2-1		14.5	462.6
P		4.36	472.75 ✓

1.68

474

43 ✓

Back Lines Blk 9

16-17-18	474.4	3.3	471.1
15-16-18		4.9	469.5
12-15-18		5.4	469.0
12-15-14		6.2	468.2
12-13-14-12		7.8	466.6
12-13.		10.0	464.4
12-11		5.2	469.2
11-10		4.8	469.6
10-9		5.0	469.4
2-8		5.1	469.3

Blk 9 Back lines
474.43

8-7		5.6	468.8
P		5.08	469.35✓
	4.36	473.71✓	
7-6		5.0	468.7
6-5		5.1	468.6
P		5.73	467.98✓
	4.01	471.99✓	
5-4		4.3	467.7
4-3		5.4	466.6
3-2		6.5	465.5
2-1		7.8	464.2
1-29		9.1	462.9
P		4.97	467.02✓
	3.77	470.79✓	
		7.72	463.07
			463.10

NW Cor Blk 8 Top of Pipe

15. 0 10 + 30 50 65 80 90

El Cajon Blvd

North

South



474.48

1.85 476.33 ✓

12.04 464.29 ✓

3.02 467.31 ✓

0+00	58.1	58.0	58.3	58.5	58.2	58.0	60.0	60.8	60.7
	9.2	9.3	9.0	8.8	9.1	9.3	7.0	6.5	6.6
0+50	64.0	63.8	64.0	62.2	64.5	63.8	62.1	60	60
	3.3	3.5	5.3	5.1	5.4	5.3	3.2		
13.14	66.0	66.0	66.0	64.5	64.5	60.55	60.55	60.55	60.55
0+99	1.3	1.3	1.3	2.8	2.8	1.8	1.5	1.5	1.5
			2.4	4.8	4.7	5.5	8.0	9.0	9.0

0+00 = ± El Cerrito & El Cajon

= Lot 13-14 BIR 5

0.75 466.56 ✓

8.57 475.13 ✓

1+49	67.9	68.3	67.4	67.6	67.4	67.3	67.5
	7.2	6.8	7.7	7.5	7.7	7.8	7.6
			1.0	4.8	5.8	8.0	9.0

1+99	69.7	70.3	69.6	69.8	69.6	69.0	69.0
	5.4	4.8	5.5	5.3	5.5	6.1	6.1
			4.0	4.8	5.6	8.0	9.0

2+49	71.1	71.4	71.1	71.3	71.1	70.4	70.5
	4.0	3.7	4.0	3.9	4.0	4.7	4.6
			4.0	4.8	5.6	8.0	9.0

16-17

2+74	71.9	72.0	71.8	72.0	71.8	71.1	71.2
	3.2	3.1	3.3	3.1	3.3	4.0	3.9
			4.0	4.8	5.6	8.0	9.0

2+99	72.3	72.4	72.9	71.9	72.5	72.1	71.9
	2.8	2.7	2.7	3.2	2.6	3.0	3.3
			2.4	3.4	4.8	6.0	6.0

3+09	72.6	72.7	72.8	72.8	72.8	72.6	72.6
	2.5	2.4	2.5	2.3	2.5	2.5	2.5
			2.5	4.8	6.0	8.0	9.0

El Cajon Blvd

	P	C	475.13					
3+24	72.7 2.4	72.9 2.2	73.4 <u>1.7</u> 25	73.0 <u>2.1</u> 48	72.3 <u>2.8</u> 69	72.9 <u>2.2</u> 80	72.7 <u>2.9</u> 90	
3+39	72.9 2.2	73.1 2.0	73.7 <u>1.4</u> 26	73.3 <u>1.8</u> 49	72.9 <u>2.2</u> 68	72.4 <u>1.7</u> 75	72.7 <u>2.4</u> 80 72.9 <u>2.2</u> 90	
3+49	73.0 2.1	73.2 1.9	74.0 <u>1.1</u> 26	73.4 <u>1.7</u> 48	73.0 <u>2.1</u> 64	73.7 <u>1.4</u> 74	73.0 <u>2.1</u> 80 73.4 <u>1.9</u> 90	
3+74	73.4 1.5	73.4 1.7	74.0 <u>1.1</u> 22	73.8 <u>1.3</u> 48	73.5 <u>1.6</u> 80	73.7 <u>1.4</u> 90		

P
4.63 478 ⁸⁵ ✓
0.01 474 ²² ✓

	478.9						
3+99	75.1 3.8	73.7 5.2	74.5 <u>4.9</u> 26	73.7 <u>5.2</u> 37	74.2 <u>4.7</u> 45	74.0 <u>4.9</u> 80	74.2 <u>4.7</u> 90
4+26	74.1 4.8	74.3 4.6	73.8 <u>5.1</u> 10 28	74.5 <u>4.9</u> 42	74.4 <u>4.5</u> 80	74.3 <u>4.6</u> 90	
4+73	74.0 4.9	73.8 5.1	74.4 <u>4.5</u> 29	74.0 <u>4.9</u> 35	74.6 <u>4.3</u> 49	74.0 <u>4.9</u> 80	74.2 <u>4.7</u> 90

12-13 BIK 8

13-14

	P	479 ³³ ✓					
5+23	74.0 5.3	74.4 4.9	74.8 <u>4.5</u> 22	73.9 <u>5.1</u> 37	74.4 <u>4.9</u> 56	74.0 <u>5.3</u> 80	74.1 <u>5.2</u> 90
5+13	73.9 5.4	74.1 5.2	74.5 <u>1.8</u> 22	73.9 <u>5.9</u> 38	74.2 <u>5.1</u> 51	74.5 <u>4.8</u> 71	73.7 <u>5.6</u> 80 73.7 <u>5.4</u> 90

El Cajon Blvd

479.33

P	78.8	P	5.12	C.	478.80	5.65	473.68	✓
6+23	73.4	73.8	74.2	73.9	74.1	73.2	73.8	73.8
	5.4	5.0	4.6	5.3	4.7	5.6	5.0	5.0
			25	38	50	79	80	90
6+48	73.3	73.4	74.1	73.4	73.9	73.3	74.1	73.3
	5.5	5.4	4.7	5.4	4.9	5.5	4.7	5.5
			24	38	51	67	76	80
6+73	73.3	-	74.4	73.3	73.7	73.5	73.4	
	5.5		4.9	5.5	5.1	5.3	5.2	
			21	41	50	80	90	

16-17 BIK8

P	76.9	Prop	Cumb	3.41	476.93	5.28	473.52
6+83	73.3	74.0	74.4	73.2	73.4	73.6	73.7
	3.6	2.9	2.5	3.7	3.3	3.3	3.2
			23	38	50	80	90
6+99	73.2	73.9	74.2	72.8	73.3	73.1	73.8
	3.7	3.0	2.7	4.1	3.6	3.8	3.1
			23	39	50	72	76
7+13	73.0	73.7	74.1	73.2	72.5	73.0	72.6
	3.9	3.2	2.8	3.7	4.4	3.9	4.3
			21	37	39	51	67
7+23	73.0	-	-	-	72.6	73.7	-
	4.0				4.3	3.2	3.4
					4.9	4.3	4.0
					40	51	66

77.4	4.02	477.22	3.73	473.20
7+48	71.0	72.4		
	5.0	4.3		
7+73	71.6	72.3		
	5.6	4.9		
8+23	69.8	70.4		
	7.4	6.8		
8+48	67.9	68.4		
	9.3	8.8		
8+73				

9-10 Blk 7.

El Cajon Blvd

77.7
477.22

2+23	65.9	66.5
8+98	11.3	10.7

P

12.21 465.02

66.7 Pop 1.69 Curo 466.71

9+73	62.4	62.7
9+73	4.3	4.0
98	61.2	60.6
9+73	5.5	6.1
10+23	60.5	60.5
	6.2	6.5
10+33	60.5	60.4
	6.2	6.3
10 46	60.6	60.6
10+73	6.1	6.1
10+63	60.9	60.8
	5.9	5.8
10+73	6.5	6.4
	5.5	5.5
10+98	62.0	62.4
	4.7	4.3
11+23	63.1	63.4
10+98	3.6	3.3
11+73	65.2	65.7
11+48	1.1	1.1

P

0.91 465.80

5.15 470.95

12+23	66.5	66.7
11+98	4.5	4.3
12+73	67.4	67.7
12+48	3.6	3.3
23	66.9	67.3
13+88	4.1	3.7
	66.4	66.8
13+48	4.6	4.2
PJ	66.1	66.5
13+73	4.9	4.5
	66.2	66.3
13+88	4.8	4.7
E 98	65.9	66.0
13+48	5.1	5.0

88

El Cajon Blvd

71°
 14+13 65.3 470.35
~~13+14~~ 5.7 65.3
 14+13 45.5 65.1
~~13+14~~ 5.5 65.9
 P
 69.3
 4+13 4.19 469.33
 45 65.1 65.3
 14+13 4.2 4.0
 14+13 64.9 64.7
 14+13 4.4 4.0
 15+16 65.6 65.8
 15+16 8.7 3.2
 15+16 66.5 66.4
 15+16 2.8 2.9

5.81 465 14

16.50

4.53 469.80 469.81

466.70
0.31
 465.79
5.16
 470.94
5.81
 465.13
4.19
 469.32
4.40
 464.72

474.48
1.85
 476.33
12.04
 464.29
2.02
 467.31
0.75
 466.56
8.57
 475.13
0.91
 474.22
4.63
 478.85
4.64
 474.17
5.16
 479.33
5.65
 473.68
5.12
 478.80
5.28
 473.52
3.41
 476.93
3.73
 473.20
4.02
 477.22
12.21
 465.01
1.69
 466.70

Esther St.

Back Line BIK 4

443.66

BM

Quest 1.54 445.20 ✓
 4+50N 44.9 11.9 39.2 38.6 38.5 Est
 0.3 3.3 6.0 6.6 6.7

P 8.43 436.77 ✓

16.1 9.34 446.11 ✓
 5+00 43.5 40.9 38.3 36.5 36.2
 2.6 5.2 7.8 9.6 9.9
 5+50 41.7 39.5 36.5 35.1 34.5
 4.4 6 9.6 11.0 11.6

P 3.92 442.19 ✓

43.1 1.23 443.42 ✓
 6+00 40.5 37.9 35.1 32.2 30.8
 2.9 5.5 8.3 11.2 12.6
 6+50 40.0 37.2 33.1 28.5 27.1
 3.4 6.2 10.5 14.9 16.3

P 0.69 442.73 ✓

11.35 454.08 ✓

0.03 454.05 ✓

6.89 460.94 ✓

1-24 ⊕ BIK 4.8 456.1

1-2 3.6 457.3

2-3 2.1 458.8

3-4 2.1 458.8

4-5 2.1 458.8

P 2.25 458.69 ✓

8.98 467.67 ✓

B.M. 2.86 464.81 464.81

Top of Hub 5-6 East Side of Esther St.

4+50N = 21#20 BIK 4

443.66

1.54

440.20

8.43

436.77

2.74

446.11

3.92

442.19

1.23

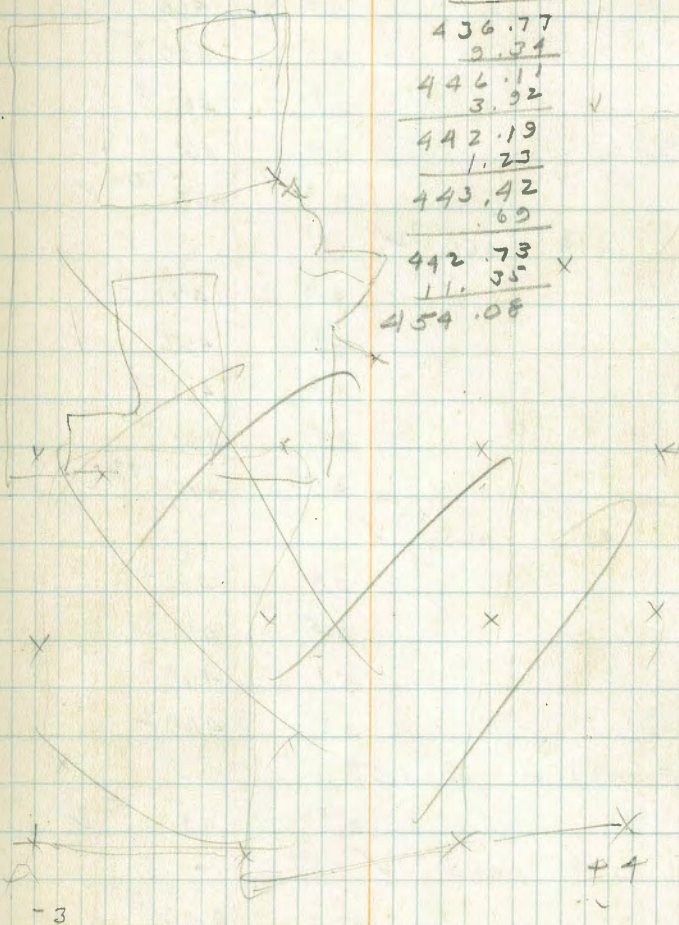
443.42

6.9

442.73

11.35

454.08



NE. Cor BIK 6

Block 3 Back Line ✓

462.29

N.E Cor #1 BIK

1.92

464.21 ✓

12-13 4.7 459.5

12-11 4.0 460.2

11-10 3.9 460.8

10-9 2.8 461.4

9-8 2.4 461.8

P 2.16 462.05 ✓

4.12

466.17 ✓

8-7 4.3 461.9

7-6 4.1 462.1

6-5 4.3 461.9

5-4 4.5 461.7

P 4.44 461.73 ✓

4.10

465.83 ✓

4-3 4.4 461.4

3-2 4.5 461.3

2-1 5.1 460.7

1-PL 5.6 460.2

Front Line Alice ST.

P 8.46 457.37 ✓

3.05

460.92 ✓

PL#1 12.9 448.0

BIR 3

460.42 ✓

1-2	11.0	449.4
2-3	10.4	450.0
3-4	4.7	455.7
4-5	2.4	458.0
5	1.77	458.65 ✓

5.77

464.42 ✓

5-6	4.7	459.7
6-7	4.2	460.2
7-8	4.7	459.7
8-9	6.0	458.4
9-10	7.8	456.6
10-11	9.7	465.7
BM	11.07	453.35 ✓

453.37

NEBIR.

BIK 1
El Cerrito St

BM	32	464.42	463.10	NEB
64.4	1.	59.0	60.2	P 60.0
0+00 N	58.9	59.0	59.5	4.9
	5.5	5.4	4.9	59.4
0+50 N	59.4	58.9	59.2	5.0
	5.0	5.5	5.1	59.1
1+00 N	59.0	58.9	59.2	5.3
	5.4	5.5	5.2	59.3
1+50 N	59.3	58.9	59.4	5.2
	5.1	5.5	5.0	59.3
2+00 N	59.5	58.6	59.3	5.1
	5.9	5.8	5.1	59.6
2+50 N	59.4	58.0	59.3	4.8
	5.4	5.5	5.1	59.3
3+00 N	59.2	58.3	58.8	5.1
	5.9	5.9	5.6	58.9
3+50 N	59.2	58.0	58.6	5.5
	5.2	6.1	5.8	

NE Cor BIK #8
0+00 = N Side of int of El Cerrito & Madison

P	85	461.85	458.74
69	3.41	57.8	58.1
4+00 N	59.1	57.8	58.1
	2.8	4.1	3.8
4+50 N	58.7	57.3	57.9
	3.2	4.6	4.0
5+00 N	58.3	57.1	57.7
	3.6	4.8	4.2
5+50 N	57.9	56.4	56.7
	4.0	5.5	5.2
5+85 N	57.0	55.9	56.6
	4.9	6.9	5.3
6+10 N	56.2	55.5	55.9
	5.7	6.4	6.0
6+20 N	55.1	55.2	55.4
	6.8	6.7	6.4
6+30 N	55.4	55.3	55.4
	6.5	6.5	6.3
6+40 N	55.8	55.0	55.9
	6.8	6.9	6.0
6+50 N	55.6	55.7	55.7
	6.3	6.2	6.4

R	3.10	459.34	456.24
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Blk 1. Backline

459.34 ✓

1-27	4.9	454.9
1-2	4.1	455.2
2-3	3.4	455.9
3-4	3.3	456.0
4-5	3.2	456.1
P	2.51	456.83 ✓

2.46 459.29 ✓

5-6	3.2	456.1
6-7	2.7	456.6
7-8	2.7	456.6
8-9	3.0	456.3
9-10	3.2	456.1
10-11	1.5	457.8
P	0.41	458.88 ✓

7.64 466.52 ✓

11-12	6.8	459.7
12-13	5.0	461.5
BM	3.93	463.09 ✓ 463.10

El Cajon Blvd.

BM

North

P

4.10 478.58 474.48
 3.94 476.98 473.04
 7+48 $\frac{477.0}{5}$ 11.9 12.1 71.8
 P C $\frac{16.43}{50}$ $\frac{4.9}{50}$ $\frac{11.57}{50}$ $\frac{4.4}{80}$ $\frac{3.3}{90}$
 7+73 $\frac{70.8}{23}$ $\frac{11.1}{50}$ $\frac{70.9}{57}$ $\frac{5.3}{80}$ $\frac{5.1}{90}$
 8+23 $\frac{69.1}{41}$ $\frac{69.3}{48}$ $\frac{69.1}{56}$ $\frac{69.8}{80}$ $\frac{69.1}{90}$
 8+73 $\frac{67.4}{42}$ $\frac{67.6}{49}$ $\frac{67.9}{52}$ $\frac{67.6}{80}$ $\frac{67.0}{90}$
 9+23 $\frac{65.6}{42}$ $\frac{65.8}{49}$ $\frac{65.6}{56}$ $\frac{65.5}{80}$ $\frac{65.1}{90}$

South

Top of Conc. Mon

7+23 = E. side of Alice St.

Ret

Retain 8-9

9-10

10-11

11-12

P

1182 465.16
 2.64 467.80
 9+73 $\frac{67.4}{43}$ $\frac{63.9}{50}$ $\frac{63.8}{57}$ $\frac{7.9}{80}$ $\frac{8.8}{90}$
 9+98 $\frac{62.9}{43}$ $\frac{62.4}{50}$ $\frac{62.0}{57}$ $\frac{57.0}{80}$ $\frac{56.1}{90}$
 10+23 $\frac{62.3}{43}$ $\frac{62.5}{50}$ $\frac{62.2}{57}$ $\frac{12.0}{80}$ $\frac{15.7}{90}$

12-13

Ret.

FL.

E/Cajon Blvd

467.80

10+33	<u>62.2</u> 5.6 43	<u>62.4</u> 5.9 50	<u>62.1</u> 5.7 57	<u>57.9</u> 10.4 80	<u>52.0</u> 15.0 90
10+48	<u>62.0</u> 5.8 43	<u>62.1</u> 5.7 50	<u>61.8</u> 6.0 57	<u>10.0</u> 80	<u>19.1</u> 90
10+63	<u>61.9</u> 5.9 43	<u>62.1</u> 5.7 50	<u>61.9</u> 5.9 57	<u>10.8</u> 80	<u>11.0</u> 90
10+73	<u>61.9</u> 5.9 43	<u>62.1</u> 5.7 50	<u>61.9</u> 5.9 57	<u>8.7</u> 80	<u>9.7</u> 90
10+98	<u>62.1</u> 5.7 43	<u>62.3</u> 5.5 50	<u>62.1</u> 5.7 57	<u>6.0</u> 80	<u>6.2</u> 90

Carb

10+37 is \neq Culvert.

\neq 59th St.

Carb

PL East side 59th St.

Ret.

5.63 462.17

PL EAST SIDE RET.

11+23	<u>62.6</u> 6.6 40	<u>62.6</u> 6.4 50	<u>62.4</u> 6.6 57
11+73	<u>63.1</u> 5.9 43	<u>63.3</u> 5.7 50	<u>63.1</u> 5.9 57
12+20	<u>63.8</u> 5.2 40	<u>64.0</u> 5.0 50	<u>63.8</u> 5.2 57
12+73	<u>64.6</u> 4.4 40	<u>64.8</u> 4.2 50	<u>64.6</u> 4.4 57
13+23	<u>65.0</u> 4.0 40	<u>65.2</u> 3.8 50	<u>65.0</u> 4.0 57

1

5-6

6-7

7-8

8-9

CAJON TERRACE

290 435.63
438.53

P 001 11.10 427.43
427.44

55TH ST & LEVELS 5.6 421.8

0 -N.L. EL CAJON AVE 6.1 421.3

+50 7.2 420.2

1 8.8 418.6

P 8.07 10.21 417.23

425.30

+50 9.1 416.2

2 10.4 414.9

+50 9.6 415.7

3 8.2 417.1

+50 6.9 418.4

4 5.7 419.6

+50 4.6 420.7

5 3.8 421.5

+50 4.2 421.1

6 4.9 420.4

+50 5.8 419.5

7 6.7 418.6

+50 6.8 418.5

8 4.3 421.0

P 12.42 4.41 420.89

433.31

= PIPE N.W. COR BLE #1 MONTE MAR VISTA

& PAVEMENT ON EL CAJON OPPOSITE END OF 55TH ST

CAJON TERRACE
 & LEVELS 5TH ST

55

43331

8+50 8.8 424.5
 9+90+ = & MADISON AVE 6.7 426.6
 9 6.2 427.1
 +50 4.6 428.7

B.M. 0.29 433.02

TP 7.67 425.64

10 3.5 429.8

+50 2.5 430.8

11 1.9 431.4

+50 1.2 432.1

TP 6.23 0.92 432.39 ✓

43862

12 6.0 432.6

+50 5.5 433.1

13 4.8 433.8

+50 4.4 434.2

14 4.5 434.1

+50 4.7 433.9

15 5.2 433.4

+13 = & MONROE AVE 5.2 434.4

TOP NORTH GATE PILLAR

CAJON TERRACE
MADISON AVE SOWIDE

42736

B	A18.5 0		A17.7 A17.1 66 73 25 40	A16.8 76 50	
C	A18.5 0		A17.4 A17.1 70 65 25 40	A16.8 76 50	
D	A18.5 0	A17.7 7.1 25	A16.4 A16.4 80 80 40 48	A15.9 85 50	
E	A18.5 0	A17.5 6.9 25	A16.7 A15.9 77 75 40 40	A15.7 87 50	
F	A18.5 0	A18.0 6.4 25	A17.3 A17.4 71 70 40 47	A16.8 76 50	
G	A18.5 0	A18.5 5.9 25	A18.4 60 40	A18.1 A18.5 63 59 45 47	A18.4 60 50
H	A18.5 0		A18.8 56 25	A18.8 A18.8 56 56 40 50	A18.8 56 50
I-PRC	A18.5 0	A18.1 6.3 25	A17.7 A17.6 A17.3 67 68 71 40 49 50		
(NW) NF	A18.3 61 0	A18.8 50 10	A18.8 50 END		
Z					
Y	A20.1 43 0	A20.4 40 10	A19.7 47 11	A20.2 42 26	

ZERO THIS SECTION AT PROP LINE SEE SKETCH

ZERO THIS SECTION AT PROP LINE

CAJON TERRACE
CAJON WAY 50 WIDE
17A.36

					A185	
0+00	0				S9	S0
	A20.2	A200	A19.5	A190	A185	
DIAGONAL	42	44	49	54	S9	
	0	12	29	46	S8	
	A20.2	A200	A19.5	A19.2	A188	
0+30.64	42	44	49	52	S6	
	0	10	25	40	S0	
	A20.3	A20.2	A19.8	A19.6	A19.1	A188
0+50	4.1	42	46	48	S3	S6
	0	2	3	4	5	S0
	A20.3	A20.1	A19.4	A19.3	A18.7	A190
0+75.28	41	43	50	51	57	54
	0	9	10	4	4	S0
	A20.1	A19.9	A19.4	A19.2	A18.5	A188
0+86.60	43	45	50	52	59	50
	0	9	10	4	4	S0
	A19.9	A19.7	A190	A190	A18.7	A18.5
1+00	46	47	54	54	6.1	57
	0	9	10	4	4	48
	A18.7	A18.7	A18.1	A18.5	A17.5	A17.9
1+50	57	57	63	59	69	63
	0	9	10	4	4	41
	A18.5	A18.4	A180	A18.8	A18.1	A18.2
2+00	59	60	64	56	63	61
	0	9	10	4	39	40
	A19.1	A19.1	A18.5	A190	A18.3	A190
2+50	53	53	59	54	61	54
	0	9	10	4	40	41
	A19.3	A19.4	A18.6	A190	A18.2	A18.7
2+92.32	51	50	58	54	62	57
	0	9	10	4	40	41
	A190	A18.8	A18.4	A18.8	A18.2	A18.7
3+26.17	54	56	60	56	62	55
	0	9	10	4	40	41

0 OF THESE X SECTS ON EAST

CAJON TERRACE
CAJON WAY 50' WIDE

424.36

3+41.55 A190 54 0

DIAGONAL A190 54 0 A189 55 9 A188 60 10 A187 63 43 A186 57 44 A190 54 53

W (SW) A19.5 49 0 PL A192 52 12 A186 58 13 A185 59 24 A183 61 25

RADIAL

TP 506 419.30

SIESTA DRIVE - 50' WIDE

2.54 432.39

0+00 A314 3.5 0 A313 3.6 9 A307 4.0 10 A312 3.6 4 A307 4.2 41 A311 3.8 42 A309 4.0 50

0+50 A274 7.5 0 A273 7.6 9 A268 8.1 10 A272 7.5 4 A264 8.5 39 A271 7.7 40 A270 7.8 50

1 A235 11.4 0 A233 11.6 9 A229 12.0 10 A232 11.6 4 A228 12.5 40 A231 11.8 41 A227 11.8 50

+02.42 PC A231 11.8 0 A230 11.9 9 A227 12.2 10 A226 11.8 4 A225 12.7 40 A230 11.9 41 A229 12.0 50

TP 171 1198 422.95

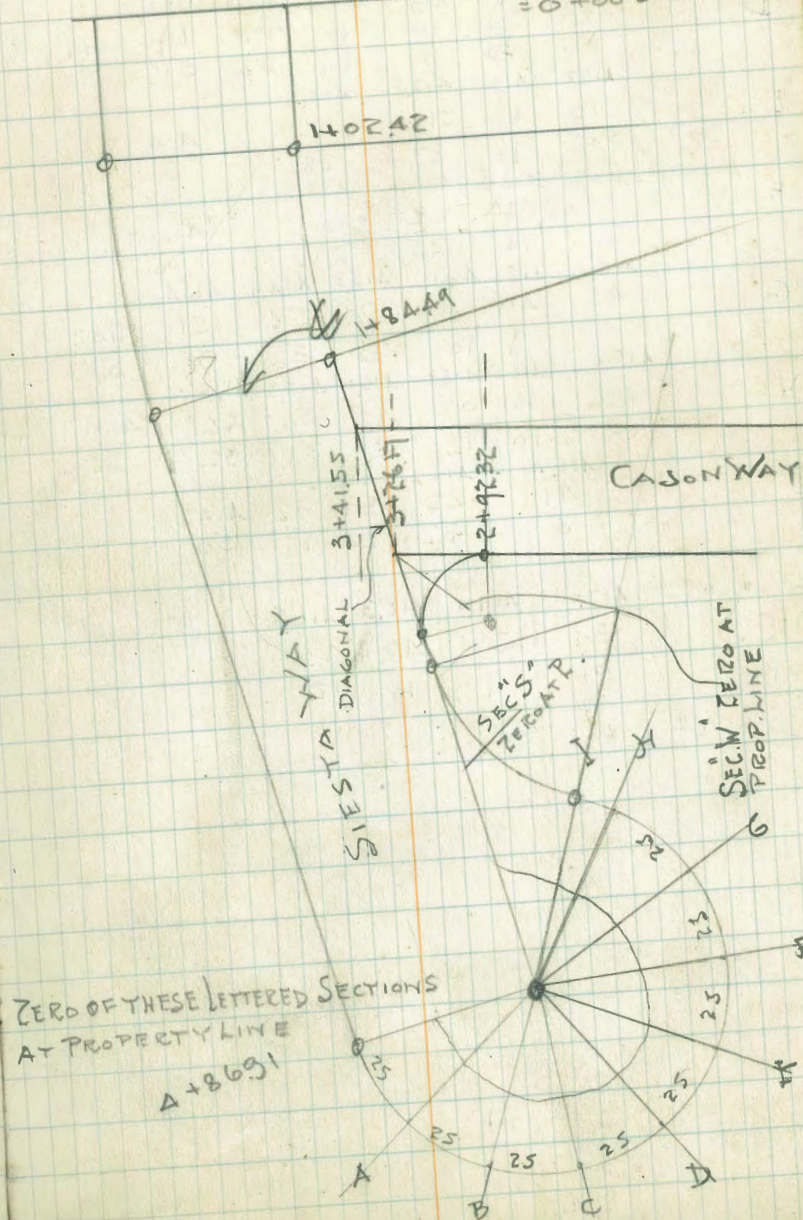
+50 A199 48 0 A207 40 2 A206 41 10 A205 44 11 A204 39 4 A200 47 42 A203 39 43 A211 36 50

= W.L. 55+H. ST.
0 = N.L.

CAJON TERRACE
SIESTA DRIVE - 50' WIDE

	1+84.49 PT	A190	A191	A192	A193	A194	A195	A196	A197	A198	A199	A200	A201	A202	A203	A204	A205	A206	A207	A208	A209	A210	A211	A212	A213	A214	A215	A216	A217	A218	A219	A220	A221	A222	A223	A224	A225	A226	A227	A228	A229	A230	A231	A232	A233	A234	A235	A236	A237	A238	A239	A240	A241	A242	A243	A244	A245	A246	A247	A248	A249	A250	A251	A252	A253	A254	A255	A256	A257	A258	A259	A260	A261	A262	A263	A264	A265	A266	A267	A268	A269	A270	A271	A272	A273	A274	A275	A276	A277	A278	A279	A280	A281	A282	A283	A284	A285	A286	A287	A288	A289	A290	A291	A292	A293	A294	A295	A296	A297	A298	A299	A300	A301	A302	A303	A304	A305	A306	A307	A308	A309	A310	A311	A312	A313	A314	A315	A316	A317	A318	A319	A320	A321	A322	A323	A324	A325	A326	A327	A328	A329	A330	A331	A332	A333	A334	A335	A336	A337	A338	A339	A340	A341	A342	A343	A344	A345	A346	A347	A348	A349	A350	A351	A352	A353	A354	A355	A356	A357	A358	A359	A360	A361	A362	A363	A364	A365	A366	A367	A368	A369	A370	A371	A372	A373	A374	A375	A376	A377	A378	A379	A380	A381	A382	A383	A384	A385	A386	A387	A388	A389	A390	A391	A392	A393	A394	A395	A396	A397	A398	A399	A400	A401	A402	A403	A404	A405	A406	A407	A408	A409	A410	A411	A412	A413	A414	A415	A416	A417	A418	A419	A420	A421	A422	A423	A424	A425	A426	A427	A428	A429	A430	A431	A432	A433	A434	A435	A436	A437	A438	A439	A440	A441	A442	A443	A444	A445	A446	A447	A448	A449	A450	A451	A452	A453	A454	A455	A456	A457	A458	A459	A460	A461	A462	A463	A464	A465	A466	A467	A468	A469	A470	A471	A472	A473	A474	A475	A476	A477	A478	A479	A480	A481	A482	A483	A484	A485	A486	A487	A488	A489	A490	A491	A492	A493	A494	A495	A496	A497	A498	A499	A500	A501	A502	A503	A504	A505	A506	A507	A508	A509	A510	A511	A512	A513	A514	A515	A516	A517	A518	A519	A520	A521	A522	A523	A524	A525	A526	A527	A528	A529	A530	A531	A532	A533	A534	A535	A536	A537	A538	A539	A540	A541	A542	A543	A544	A545	A546	A547	A548	A549	A550	A551	A552	A553	A554	A555	A556	A557	A558	A559	A560	A561	A562	A563	A564	A565	A566	A567	A568	A569	A570	A571	A572	A573	A574	A575	A576	A577	A578	A579	A580	A581	A582	A583	A584	A585	A586	A587	A588	A589	A590	A591	A592	A593	A594	A595	A596	A597	A598	A599	A600	A601	A602	A603	A604	A605	A606	A607	A608	A609	A610	A611	A612	A613	A614	A615	A616	A617	A618	A619	A620	A621	A622	A623	A624	A625	A626	A627	A628	A629	A630	A631	A632	A633	A634	A635	A636	A637	A638	A639	A640	A641	A642	A643	A644	A645	A646	A647	A648	A649	A650	A651	A652	A653	A654	A655	A656	A657	A658	A659	A660	A661	A662	A663	A664	A665	A666	A667	A668	A669	A670	A671	A672	A673	A674	A675	A676	A677	A678	A679	A680	A681	A682	A683	A684	A685	A686	A687	A688	A689	A690	A691	A692	A693	A694	A695	A696	A697	A698	A699	A700	A701	A702	A703	A704	A705	A706	A707	A708	A709	A710	A711	A712	A713	A714	A715	A716	A717	A718	A719	A720	A721	A722	A723	A724	A725	A726	A727	A728	A729	A730	A731	A732	A733	A734	A735	A736	A737	A738	A739	A740	A741	A742	A743	A744	A745	A746	A747	A748	A749	A750	A751	A752	A753	A754	A755	A756	A757	A758	A759	A760	A761	A762	A763	A764	A765	A766	A767	A768	A769	A770	A771	A772	A773	A774	A775	A776	A777	A778	A779	A780	A781	A782	A783	A784	A785	A786	A787	A788	A789	A790	A791	A792	A793	A794	A795	A796	A797	A798	A799	A800	A801	A802	A803	A804	A805	A806	A807	A808	A809	A810	A811	A812	A813	A814	A815	A816	A817	A818	A819	A820	A821	A822	A823	A824	A825	A826	A827	A828	A829	A830	A831	A832	A833	A834	A835	A836	A837	A838	A839	A840	A841	A842	A843	A844	A845	A846	A847	A848	A849	A850	A851	A852	A853	A854	A855	A856	A857	A858	A859	A860	A861	A862	A863	A864	A865	A866	A867	A868	A869	A870	A871	A872	A873	A874	A875	A876	A877	A878	A879	A880	A881	A882	A883	A884	A885	A886	A887	A888	A889	A890	A891	A892	A893	A894	A895	A896	A897	A898	A899	A900	A901	A902	A903	A904	A905	A906	A907	A908	A909	A910	A911	A912	A913	A914	A915	A916	A917	A918	A919	A920	A921	A922	A923	A924	A925	A926	A927	A928	A929	A930	A931	A932	A933	A934	A935	A936	A937	A938	A939	A940	A941	A942	A943	A944	A945	A946	A947	A948	A949	A950	A951	A952	A953	A954	A955	A956	A957	A958	A959	A960	A961	A962	A963	A964	A965	A966	A967	A968	A969	A970	A971	A972	A973	A974	A975	A976	A977	A978	A979	A980	A981	A982	A983	A984	A985	A986	A987	A988	A989	A990	A991	A992	A993	A994	A995	A996	A997	A998	A999	A1000
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W.L. SSYH
= 0+00 SIESTA DR.



CAJON TERRACE
SIESTA DRIVE - 50' WIDE

51

	418	4134	4135	4135	4128	4136	
D	87	71	70	70	77	69	4147
	0	5	10	22	30	31	50
	4132	4137	4135	4139			
E	73	68	70	62			4147
	0	10	27	28			50
	4146	4144	4143	4145			
F	59	61	62	60			4147
	0	10	25	27			50
	4160	4150	4151	4153	4149	4154	
G	45	49	54	52	56	51	4147
	0	9	10	25	30	31	50
	4168	4165	4158	4160	4155	4159	
H	37	40	47	45	50	46	4147
	0	10	12	2	31	32	50
	4164	4162	4166				
I	41	43	39	39			4147
	0	22	24				50

-VP. SLS + REETS

SEC "S"
 34 35 42 40
 0 9 10 12
 OXTP L
 To S. ARCP

X SECTIONS 55 ST. 50 WIDE
ROADWAY WIDTH NOW GRADED 30'
RERO TO EAST

670 42393 41723

CROWN PAVEMENT DIFFERENTIAL 16

ON E.L. PRODUCED SOUTH

= N.S.

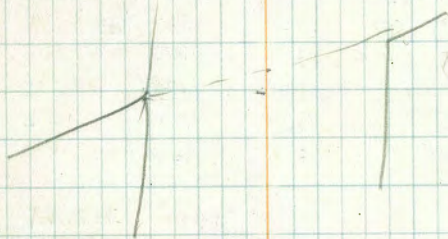
CROWN PAVE EL EASON 2.6

ON W.L. PROD. SOUTH

	42393	42393	42393	42393	42393	42393
0	16	18	24	27	32	30
	E	6	9	£	A0	A2 W
+50	19	23	40	37	49	28 28
	E	9	10R	£	A0	A1 W
1+00	49	39	55	55	63	53
	E	9	10R	£	A0R	W
1+50	125	84	80	88	77	78
	E	9R	£	A0R	42	W
2+00	159	157	81	90	104	174
	E	3	14R	£	A0R	W
2+50	54	57	78	81	81	58 54
	E	9	10R	£	A0R	A2 W
3+00	34	38	67	66	66	35 36
	E	9	10R	£	A0R	A2 W
3+50	26	29	55	53	47	41 43
	E	9	10R	£	A0R	A2 W
4+00	16	23	41	42	47	41 46
	E	9	10R	£	A0R	42 W

= N.S. EL EASON (DIAGONAL)

RT ANGLES TO E.L.



X SECTIONS 55TH ST
50' WIDE

4+50
 42393
 15 17 29 31 37 30 34
 E 8 10R E 40R 45 W

TP 4.90 427.84 0.99 422.94

5+00
 34 41 61 64 67 50 52
 E 8 10R E 40R 42 W

5+50
 04 13 62 68 67 33 30
 E 9 10R E 42R 42 W

6+00
 06 09 68 75 75 42 44
 E 9 10R E 40R 41 W

6+50
 27 39 77 83 86 63 65
 E 8 10R E 40R 41 W

7+00
 417 418 418 418 418 418 418
 10.7 9.5 9.3 10.1 15.2
 E 6R E 40R W

TP 481 940 418.44

7+50
 4100 4189 423.25 4189 4101
 133 16 14 46.1 132
 E 13R E 39R W

8+00
 54 44 22 19 23 14 14
 E 5 12R E 40R 42 W

TP 1295 1.35 421.90

8+50
 43485
 91 92 104 98 106 102 98
 E 8 9R E 41R 42 W

X SECTIONS 55TH ST
50' WIDE

43485

Roadway 30' wide graded

62

8+8380	= E MADISON						
	489	471	454	429	425		
9+00	60	78	75	82	84		
	E	E	E	10R	W		
9+50	4314	4309	4288	4290	4285	4266	4300
	35	10	60	59	61	13	49
	E	10	10R	E	10R	42	W
10+00	4329	4325	4298	4301	4296	4308	4304
	20	24	51	48	55	41	25
	E	9	10R	E	10R	41	W
10+50	4342	4335	4308	4310	4306	4321	4317
	07	12	45	39	43	28	32
	E	9	10R	E	10R	41	W

TP	667	277	232.08				
	4341	4336	4315	4388	4310	4312	4316
11+00	47	52	73	73	78	69	72
	E	8	10R	E	10R	41	W
11+50	4359	4352	4320	4322	4315	4322	4317
	49	55	68	66	73	66	71
	E	9	10R	E	10R	42	W
12+00	4346	4337	4327	4327		4313	
	42	51	61	61		75	
	E	8	10R	E		W	
12+50	4357	4348	4335	4332	4327	4331	4327
	31	40	53	56	61	57	61
	E	8	10R	E	10R	43	W
13+00	4364	4344	4338	4338	4334	4338	4332
	20	29	50	50	52	50	51
	E	9	10R	E	10R	41	W
13+50	4370	4361	4348	4349	4340	4346	4341
	12	22	43	45	48	40	47
	E	8	10R	E	10R	42	W

638 432.37

X SECTIONS 55TH ST
50' WIDE

438 8

43

14+00	4369	4373	4387.5	434	4332	4342	4327
	19	45	46	51	46	51	
	E	11R	R	40R	42	W	
14+50	436	4351	4339	4339	4334	4338	4336
	26	37	49	49	54	50	52
	E	8	10R	E	38R	46	W
15+00	435	434	4335		433	4339	
	36	46	53		56	50	
	E	4	E		33	W	
15+09	4350	4346	4335	4329	4331	4339	4332
	38	48	53	59	57	49	51
	E	8	E	36	44	42	50

ADAMSKA VE

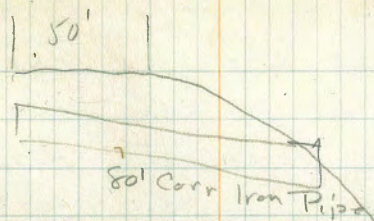
PAVEMENT AT C/S

5.1 4337

EI's for Culverts #1 / Cajon Terrace

Culvert Lot 21 Stake at PL, 416.5

0+00		
0+25	1.1	415.4 ✓
0+50	2.4	414.1 ✓
0+65	5.4	411.1 ✓
0+80	9.5	407.0 ✓
TP		407.0
1+00	9.2	398.8 ✓



#2 Culvert Lot 11-12

Stake on P. Cur.

411.2

0+00		411.2
0+25	2.7	409.2 ✓
0+50	6.1	405.8 ✓
TP		405.8
0+65	3.8	404.0 ✓
0+90	8.5	397.3 ✓
TP		397.3
0+90	4.0	393.3 ✓
1+00	9.0	388.3 ✓

Moore
1/11/98

Niagara curb roads
Guzot To Santa Barbara

Pole had
been moved 6' N.W.
New elev. of spikes = 205.2
this beened 1/14/98

19716
205.50
Guzot
280 R'

SW spike

0 42 205.94

N.B.
205.50

Narrow and
Guzot

280 R'

SW Nam + Guzot

2.45 205.29

S

378 195.38

SE " "

1.27 204.55

curb ends

N

506 194.10

NE " "

2.51 203.41

300 E

NW " "

2.48 202.44

S

340 195.76

T.P. 629 199.16

13.05 192.87

N

488 194.78

R' E of EL Guzot = P.C.

250 E

S P.C. = 190.0

7.18 189.98

S

252 196.64

N " = 188.50

10.76 188.40

N

437 194.79

50' E of EL Guzot

100 E

S

8.40 190.76

S

191 197.25

N

10.0 189.16

N

366 195.50

100 E

200 E

S

7.30 191.86

S

172 197.42

N

9.02 190.14

N

346 195.70

150 E

300 E

S

6.32 192.84

S

153 197.63

N

8.0 191.16

N

330 195.86

200 E

400 E

S

5.24 193.92

S

147 197.69

N

6.93 194.23

N

310 196.06

240 E

500 E

S

4.48 194.68

S

155 197.61

N

5.90 193.76

N

295 196.27

300 E

S

5.10 195.06

N

5.37 193.79

19916

48

Case E

S 1.47 197.69

N 2.75 196.41

Case E

S 1.06 198.10

N 3.25 196.91

Case E

S 0.65 198.51

N 1.84 197.3 ✓

Case W1 Santa Barbara

S 0.58 198.58

N 1.20 197.46

1624-1

	1+N		<u>162.5</u>
SL		0.0	162.5
10' N of SL		0.6	161.9
	2+00		
NL		0.8	161.7
10' S of NL		1.1	161.4
T.P.	624	168.75	0.00
	2+00		<u>168.7</u>
SL		4.7	164.0
10' N of SL		5.6	163.1
	2+20		
SL		5.9	164.8
10' N of SL		6.6	164.1
NL		6.1	162.6
10' S of NL		6.4	162.3
	2+40		
NL		5.4	163.3
10' S of NL		5.8	162.9
SL		4.0	164.7
10' N of SL		4.4	164.3
	2+60		
SL		0.7	165.0
10' N of SL		5.1	163.6
NL		5.9	162.8
10' S of NL		5.7	163.0

16875

70

			<u>168.7</u>
	2+80		
NL		5.3	163.4
10' S of NL		5.7	163.0
SL		4.1	164.6
10' N of SL		5.5	163.2
	2+97		
SL		4.3	164.4
10' N of SL		5.5	163.2
S top curb		7.81	160.9
N " "		8.22	160.5
10' S of NL		6.2	162.5
NL		5.7	163.0
	3+17		
NL		6.4	162.3
10' S of NL		6.9	161.8
N top curb		7.95	160.8
S " "		7.54	161.2
10' N of SL		6.7	162.0
SL		5.0	163.7
	3+37		
SL		5.8	162.9
10' N of SL		7.0	161.7
S top curb		7.67	161.0
N " "		8.08	160.6
10' S of NL		7.8	160.9
NL		7.0	161.7

168.75

3+57

168.7

NL	7.5	161.2
10' S of NL	8.0	160.7
N top curb	8.44	160.3
J " "	7.99	160.7
10' N of SL	7.3	161.4
SL	6.5	162.2

3+77 = PVC 700'

N of NL Santa Barbara

SL	7.0	161.7
10' N of SL	7.2	161.4
S top curb	8.31	160.4
N " "	8.78	159.9
10' S of NL	8.2	160.4
NL	8.1	161.6

4+00

NL	5.7	160.0
10' S of NL	8.6	160.1
10' N of SL	8.0	160.7
SL	7.7	161.0

4+50

SL	5.8	159.9
10' N of SL	8.8	159.9
10' S of NL	9.6	159.1
NL	9.6	159.1

168.75

71

J+00

168.7

NL	10.4	158.3
10' S of NL	10.4	158.3
10' N of SL	9.4	159.3
SL	9.4	159.3

J+60 = NL alley on N side Cape May

NL	10.6	158.1
10' S of NL	10.4	158.5

23.5' S of NL = end of alley return 11' NN. 157.5 = EXTRA CURB

J+465 = EA alley

23.5' S of NL = end of alley return 11.57

ON BP NW Cape May + Santa Barbara 12.3

156.42

156.74 = record

0.10 = error

Curb on straight grade here to Santa Barbara

= Total 117' curb EXTRA

Man. Cover
PH 4/6
7-7/16

Ingram 125' st.

40

W/Lix
1000
500-
500

Thomas

20

0 db

Grand

7 Lines in on Grand N/S

20

80

B/K 2 3 6
25' Lots

21

5+75
4
6

5+98

6418

6425

673
50
723

0.56
43
23.56
50
93.56

36
43
99
30
149

110
249
25

274
25

299
30

349
30
399

27
426

47
473

130
623

50
673

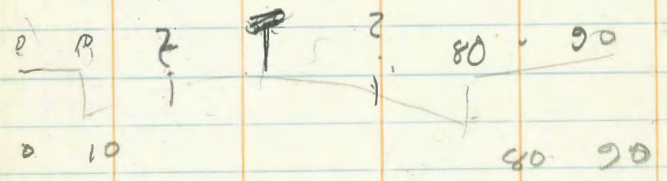
103.785
 83.800
199.985

3.501
 .885
4.566
 .25
 3.606

1004.193
 99.225
4.208

100.000
 3.822
103.822
 3.622
100.190

104.288
 100.190
4.098



NATURAL TRIGONOMETRICAL RATIOS

Angle.	Sine.	Tan.	Sec.	Cosec.	Cotg.	Cosin.	Angle.	Sine.	Tan.	Sec.	Cosec.	Cotg.	Cosin.	
0	0	0	1.	∞	∞	1.	90	0	∞	∞	1.	0	0	
10	.0029	.0029	343.8	343.8	I.	50	10	.1421	.1435	1.0102	7.040	6.968	.9896	
20	.0058	.0058	171.9	171.9	.9998	40	20	.1449	.1465	1.0107	6.900	6.827	.9894	
30	.0087	.0087	114.6	114.6	.9996	30	30	.1478	.1495	1.0111	6.766	6.691	.9890	
40	.0116	.0116	1.0001	85.94	85.94	.9993	20	40	.1507	.1524	1.0115	6.636	6.561	.9885
50	.0145	.0145	1.0001	68.76	68.75	.9989	10	50	.1536	.1554	1.0120	6.512	6.435	.9881
1	.0175	.0175	1.0002	57.30	57.29	.9985	89	9	.1564	.1584	1.0125	6.394	6.314	.9876
10	.0204	.0204	1.0002	49.11	49.10	.9979	50	10	.1593	.1614	1.0129	6.277	6.197	.9872
20	.0233	.0233	1.0003	42.98	42.96	.9973	40	20	.1622	.1644	1.0134	6.166	6.084	.9867
30	.0262	.0262	1.0003	38.20	38.19	.9966	30	30	.1650	.1673	1.0139	6.059	5.976	.9862
40	.0291	.0291	1.0004	34.38	34.37	.9958	20	40	.1679	.1703	1.0144	5.955	5.871	.9858
50	.0320	.0320	1.0005	31.26	31.24	.9949	10	50	.1708	.1733	1.0149	5.855	5.769	.9851
2	.0349	.0349	1.0006	28.65	28.64	.9939	88	10	.1736	.1763	1.0154	5.759	5.671	.9841
10	.0378	.0378	1.0007	26.45	26.43	.9929	50	10	.1765	.1793	1.0160	5.665	5.576	.9830
20	.0407	.0407	1.0008	24.56	24.54	.9917	40	20	.1794	.1823	1.0165	5.575	5.485	.9818
30	.0436	.0437	1.0010	22.93	22.90	.9905	30	30	.1822	.1853	1.0170	5.488	5.396	.9805
40	.0465	.0466	1.0011	21.49	21.47	.9892	20	40	.1851	.1883	1.0176	5.403	5.309	.9792
50	.0494	.0495	1.0012	20.23	20.21	.9878	10	50	.1880	.1914	1.0181	5.320	5.226	.9878
3	.0523	.0524	1.0014	19.11	19.08	.9863	87	11	.1908	.1944	1.0187	5.241	5.145	.9863
10	.0552	.0553	1.0015	18.10	18.07	.9847	50	10	.1937	.1974	1.0193	5.164	5.066	.9850
20	.0581	.0582	1.0017	17.20	17.17	.9831	40	20	.1965	.2004	1.0199	5.089	4.989	.9836
30	.0610	.0612	1.0019	16.38	16.35	.9813	30	30	.1994	.2035	1.0205	5.016	4.915	.9799
40	.0640	.0641	1.0020	15.64	15.60	.9795	20	40	.2022	.2065	1.0211	4.945	4.843	.9793
50	.0669	.0670	1.0022	14.96	14.92	.9776	10	50	.2051	.2095	1.0217	4.877	4.773	.9785
4	.0698	.0699	1.0024	14.34	14.30	.9756	86	12	.2079	.2126	1.0223	4.810	4.705	.9781
10	.0727	.0729	1.0027	13.76	13.73	.9736	50	10	.2108	.2156	1.0230	4.745	4.638	.9775
20	.0756	.0758	1.0029	13.23	13.20	.9714	40	20	.2136	.2186	1.0236	4.682	4.574	.9762
30	.0785	.0787	1.0031	12.75	12.71	.9692	30	30	.2164	.2217	1.0243	4.620	4.511	.9750
40	.0814	.0816	1.0033	12.29	12.25	.9668	20	40	.2193	.2247	1.0249	4.560	4.449	.9736
50	.0843	.0846	1.0036	11.87	11.83	.9644	10	50	.2221	.2278	1.0256	4.502	4.390	.9722
5	.0872	.0875	1.0038	11.47	11.43	.9619	85	13	.2250	.2309	1.0263	4.445	4.331	.9707
10	.0901	.0904	1.0041	11.10	11.06	.9594	50	10	.2278	.2339	1.0270	4.390	4.275	.9701
20	.0929	.0934	1.0043	10.76	10.71	.9567	40	20	.2306	.2370	1.0277	4.336	4.219	.9694
30	.0958	.0963	1.0046	10.43	10.39	.9540	30	30	.2334	.2401	1.0284	4.284	4.165	.9687
40	.0987	.0992	1.0049	10.13	10.08	.9511	20	40	.2363	.2432	1.0291	4.232	4.113	.9679
50	.1016	.1022	1.0052	9.839	9.788	.9482	10	50	.2391	.2462	1.0299	4.182	4.061	.9670
6	.1045	.1051	1.0055	9.567	9.514	.9452	84	14	.2419	.2493	1.0306	4.133	4.011	.9660
10	.1074	.1080	1.0058	9.309	9.255	.9421	50	10	.2447	.2524	1.0314	4.086	3.962	.9650
20	.1103	.1110	1.0061	9.065	9.010	.9390	40	20	.2476	.2555	1.0321	4.039	3.914	.9638
30	.1132	.1139	1.0065	8.834	8.777	.9357	30	30	.2504	.2586	1.0329	3.994	3.867	.9625
40	.1161	.1169	1.0068	8.614	8.556	.9324	20	40	.2532	.2617	1.0337	3.949	3.821	.9612
50	.1190	.1198	1.0072	8.405	8.345	.9290	10	50	.2560	.2648	1.0345	3.906	3.776	.9600
7	.1219	.1228	1.0075	8.206	8.144	.9255	83	15	.2588	.2679	1.0353	3.864	3.732	.9587
10	.1248	.1257	1.0079	8.016	7.953	.9219	50	10	.2616	.2711	1.0361	3.822	3.689	.9571
20	.1276	.1287	1.0082	7.834	7.770	.9182	40	20	.2644	.2742	1.0369	3.782	3.647	.9554
30	.1305	.1317	1.0086	7.661	7.596	.9144	30	30	.2672	.2773	1.0377	3.742	3.606	.9538
40	.1334	.1346	1.0090	7.496	7.429	.9106	20	40	.2700	.2805	1.0386	3.703	3.566	.9525
50	.1363	.1376	1.0094	7.337	7.269	.9067	10	50	.2728	.2836	1.0394	3.665	3.526	.9510
							82						74	
Cosin. Cotg. Cosec. Sec. Tan. Sine. Angl.							Cosin. Cotg. Cosec. Sec. Tan. Sine. Angl.							