1287

LEVEL BOOK

No. 380F

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.

No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter *"F"* to catalog number.

THE FREDERICK POST CO.

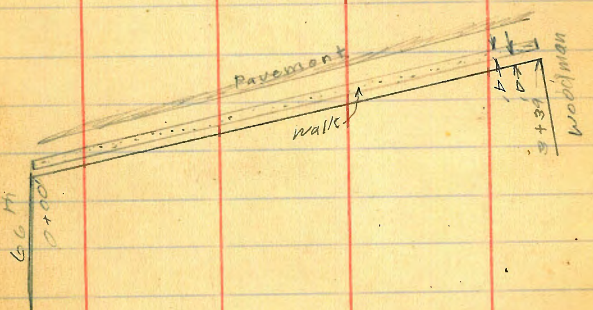
ENGINEERING and DRAFTING SUPPLIES

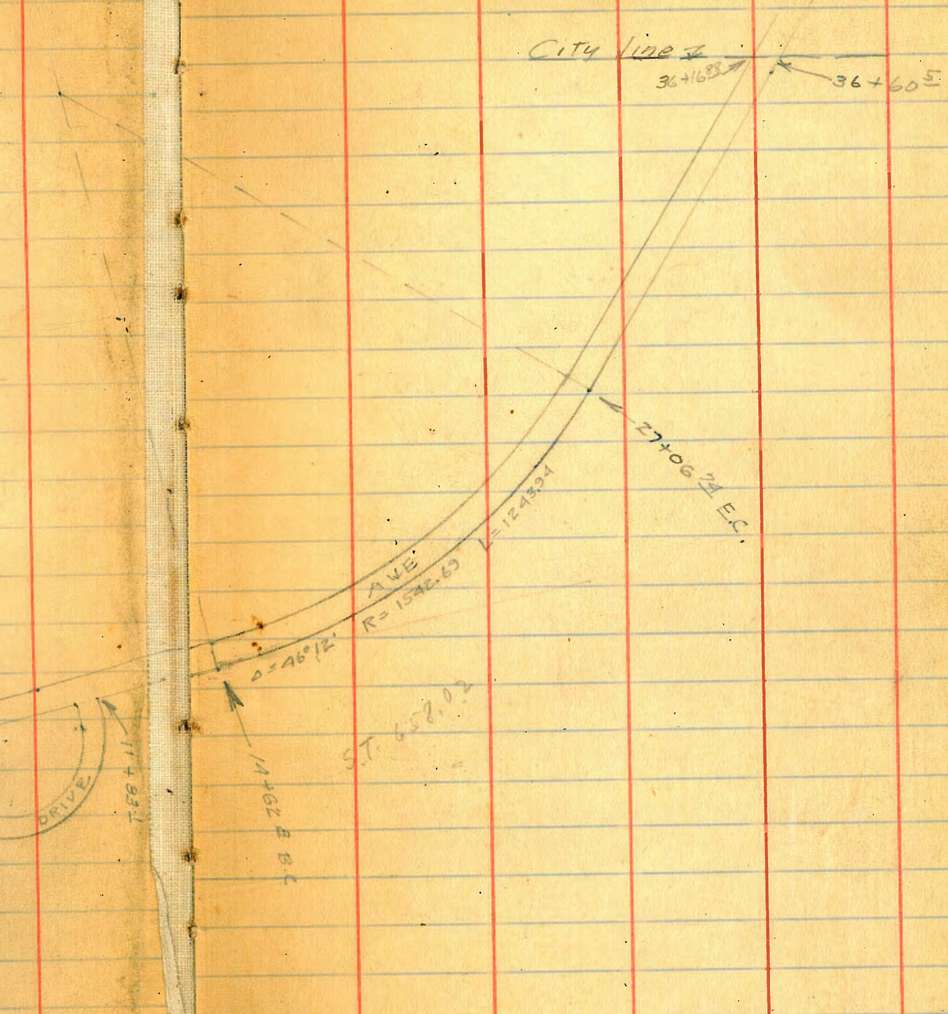
IRVING PARK STATION

CHICAGO, ILL.

X See Imperial 66th to Citylink

1-62


Pavement
walk
Woodman
0+00
66 ft


City line
36+16.93
36+60.5
27+06.24 E.C.
AVE
R=1540.65'
L=1243.94
Δ=46°12'
14+62.8 B.C.
S.T. 658.02
IMPERIAL
Fd. Hub
BEACON
DRIVE
RITCHEY
WOODMAN
3+39
Fd. Hub
0+00
66TH ST.

X sec. Imperial from E.L. 66th on South to City line
60' st 10' cbs 40' R/way.

Spk. Pole Nat track W.L. 66th

B.M.	12.05	232.61		220.56
0+00 = E.L. 66th on South				
S.L.			7.0	225.6
+4 walk			7.97	224.64
+8 walk			8.04	224.57
cb			7.3	225.30
+3			7.4	225.20
+4			8.6	224.0
+7			10.0	222.6
1/4			9.9	222.7
+2 S. Pav			9.64	222.97
℄ +1 ℄ Pav			9.50	223.11
1/4 N. Pav			9.63	222.98
+4			9.8	222.80
+6			9.0	223.6
cb			9.4	223.2
+5			10.1	222.5
NL			11.6	221.0
5' N			11.8	220.8
10' N			13.2	219.4

Oct 14-28
Loudon

0+25		232.61		
10' N			10.3	222.3
5 N			10.7	221.9
NL			10.5	222.1
+6			10.1	222.5
cb			8.7	223.9
+4			8.9	223.7
+5			9.4	223.2
1/4	N. Pav		9.14	223.47
+9	℄ Pav		9.02	223.59
+8	S Pav		9.13	223.48
1/4			9.3	223.3
+4			9.5	223.1
+6			8.8	223.8
+7			7.5	225.1
cb			7.5	225.1
+2	walk		7.57	225.04
+6	✓		7.45	225.16
+9			7.1	225.5
SL			6.7	225.9
0+50				
S.L.			6.0	226.6
+1			6.7	225.9
+4			6.95	225.66
+8			7.04	225.57
cb			6.8	225.8

0+50		232.61	
+3		6.8	225.8
+5		8.5	224.1
+7		9.1	223.5
℄		9.0	223.6
+2	S. Pav	8.60	224.01
℄ +1	℄ Pav	8.57	224.09
℄	N. Pav	8.58	224.03
+4		8.9	223.7
+7		8.4	224.2
+9		8.5	224.1
eb		8.9	223.7
+3		9.7	222.9
N.L		10.5	222.1
10'N		10.9	221.7
0+75			
10N		10.6	222.0
N.L		9.6	223.0
+4		9.0	223.6
+8		8.7	223.9
eb		8.2	224.4
℄	N. Pav	8.03	224.58
+9	℄ Pav	7.98	224.63
℄ +8		8.08	224.54
℄		8.2	224.4
+4		8.6	224.0

0+75		232.61	
+6		7.0	225.6
+8		6.4	226.2
eb		6.7	225.9
+2	walk	6.55	226.06
+6	"	6.44	226.17
+9		6.4	226.2
S.L.		5.5	227.1
1+00			
S.L.		5.6	227.0
+2		6.2	226.4
+4	walk	5.99	226.62
+8	"	6.10	226.50
eb		6.3	226.30
+3		6.1	226.50
+5		6.6	226.00
+8		8.4	224.20
℄		7.9	224.7
+2	S. Pav	7.53	225.08
℄ +1	℄ Pav.	7.46	225.15
℄	N Pav	7.57	225.04
eb		7.9	224.7
N.L		8.7	223.9
10N'		9.3	223.3

1+25		232.61		
10N			8.5	224.1
N.L			7.9	224.7
cb			7.2	225.4
¼	N Pav		7.00	225.61
+9	℄ Pav		6.92	225.69
℄ +8	S Pav		7.03	225.58
¼			7.6	225.0
+2			7.9	224.7
+8			5.1	227.5
cb			5.3	227.3
+2	walk		5.52	227.09
+6	✓		5.40	227.21
S.L.			5.2	227.4
1+50				
S.L.			4.0	228.6
+2			4.9	227.7
+4	walk		4.93	227.68
+8	✓		4.98	227.63
cb			4.8	227.8
+2			4.6	228.0
+4			5.2	227.4
+8			7.5	225.1
¼			6.9	225.7
+2	S Pav		6.45	226.16
℄ +1	℄ Pav		6.35	226.26

1+50		232.61		
¼	N Pav.		6.45	226.16
+7			7.0	225.6
cb			7.1	225.5
N.L			7.5	225.1
10N			8.1	224.5
1+75				
10N			7.7	224.9
N.L			7.2	225.4
+3			7.1	225.5
+9			6.3	226.3
cb			6.3	226.3
+3			6.0	226.6
+5			6.8	225.8
¼	N Pav		5.93	226.68
+9	℄ Pav		5.80	226.81
℄ +8	S Pav		5.92	226.69
¼			6.4	226.2
+2			7.0	225.6
+6			4.5	228.1
cb			4.4	228.2
+2	walk		4.45	228.16
+6	✓		4.36	228.15
+7			4.0	228.6
S.L.			3.4	229.2

Imperial.

2+00		232.61		
S.L.			1.5	231.1
+2			3.4	229.2
+4	walk		3.80	228.81
+8	✓		3.87	228.74
cb			3.9	228.7
+3			3.9	228.7
+7			6.2	226.4
¼			5.9	226.7
+½	S Pav.		5.38	227.23
℄+1	℄ Pav		5.21	227.40
¼	N Pav		5.37	227.24
+5			5.9	226.7
+7			5.3	227.3
cb			5.3	227.3
+7			5.9	226.7
N.C.			6.6	226.0
10N			7.0	225.6
2+25				
10N			6.0	226.6
N.C.			4.9	227.7
+2			4.8	227.8
+6			5.4	227.2
cb			5.0	227.6
+3			4.9	227.7
+5			5.5	227.1

Imperial

2+25		232.61		
¼	N Pav		4.92	227.69
+9	℄ Pav		4.75	227.86
℄+8	S Pav		4.90	227.71
¼			5.5	227.1
+2			6.0	226.6
+5			4.9	227.7
+7			3.4	229.2
cb			3.2	229.4
+2	walk		3.46	229.15
+6	✓		3.30	229.31
S.L.			0.7	231.9
2+50				
S.L.			0.4	232.2
+3			2.7	229.7
+4	walk		3.10	229.51
+8	✓		3.21	229.40
cb			3.0	229.6
+4			3.0	229.6
+7			5.3	227.3
+8			5.5	227.1
¼			5.1	227.5
+2	S Pav		4.52	228.09
℄+1	℄ Pav		4.38	228.23
¼	N Pav		4.53	228.08
+4			5.2	227.4

Imbergal.

2+50		232.61		
+7			4.3	228.3
cb			3.8	228.8
N.L.			4.9	227.7
10N			5.1	227.5
2+75				
10N			4.2	228.4
N.L			4.3	228.3
+5			4.0	228.6
cb			4.1	228.5
+2			4.0	228.6
+5			4.7	227.9
1/4	N Pav		4.26	228.35
+9	℄ Pav		4.14	228.47
℄+8	S Pav		4.28	228.33
1/4			4.6	228.0
+2			5.0	227.6
+6			2.9	229.7
cb			3.0	229.6
+2	walk		2.95	229.66
+6	✓		2.89	229.72
S.L			2.6	230.0

Imbergal

3+00		232.61		
S.L			2.3	230.3
+4	walk		2.61	230.00
+8	✓		2.69	229.92
cb			3.1	229.5
+7			4.5	228.1
1/4			4.3	228.3
+2	S Pav		4.11	228.50
℄+1	℄ Pav		3.98	228.63
1/4	✓		4.06	228.55
+4			4.4	228.2
+6			3.9	228.7
cb			4.0	228.6
+3			3.9	228.7
+5			3.1	229.5
N.L			3.2	229.4
10N			3.7	228.9
3+39 (O.K.) = N.L. Woodman				
10N			3.2	229.4
N.L.			2.8	229.8
+6			2.6	230.0
cb			2.7	229.9
+3			3.6	229.0
1/4	N Pav.		3.92	228.69
+9	℄ Pav		3.84	228.74
℄+8	S Pav		3.92	228.69
1/4			3.8	228.8

3+39		232.61			
+3			3.8	228.8	
+7			2.2	230.4	
c b			2.1	230.5	
+2	walk		2.17	230.44	
+6			2.17	230.44	
S.L			1.6	231.0	
3+50					
S.L			1.5	231.1	
c b			2.0	230.6	
+3			3.4	229.2	
+6			3.7	228.9	
1/4			3.7	228.9	
+2	S. Pav		3.88	228.73	
℄+1	℄ Pav		3.88	228.73	
1/4	✓		3.86	228.75	
+7			3.5	229.1	
c b			3.5	229.1	
+4			2.4	230.2	
N.L.			2.7	229.9	
10N			2.8	229.6	
T.P.	3.08	234.16	1.53	231.08	
Pole 72164 B.M.			3.09	231.07	231.03

3+55		234.16		
10N			4.2	230.0
N.L.			4.3	229.9
+6			4.0	230.2
c b			5.0	229.2
+3			5.0	229.2
1/4	N Pav		5.42	228.74
+9	℄ Pav		5.36	228.80
℄+8	S Pav		5.42	228.74
1/4			5.2	229.0
+4			5.0	229.2
+6			5.1	229.1
c b			4.9	229.3
+5			3.9	230.3
S.L			3.3	230.9
3+60				
S.L			4.1	230.1
+5			4.6	229.6
c b			4.7	229.5
+4			5.0	229.2
+8			5.0	229.2
1/4			5.1	229.1
+2	S Pav		5.39	228.77
℄+1	℄ Pav		5.34	228.82
1/4	N Pav		5.39	228.77
+4			5.4	228.8
+6			5.2	229.0

3+60		234.16		
cb			4.9	229.3
+5			3.6	230.6
N.L.			3.9	230.3
5N			3.7	230.5
10N			4.2	230.0
3+75				
10N			3.7	230.5
7N			3.4	230.8
N.L.			4.5	229.7
+3			3.7	230.5
+6			3.3	230.9
cb			4.4	229.8
+2			5.1	229.1
+5			5.5	228.7
¼	N Pav		5.33	228.83
+9	℄ Pav		5.26	228.90
℄+8	S Pav		5.34	228.82
¼			5.2	229.0
cb			4.4	229.8
S.L.			3.6	230.6

3+86		234.16		
S.L.			4.1	230.1
+5			4.4	229.8
+8			4.4	229.8
cb			4.6	229.6
¼			5.0	229.2
+2	S Pav		5.27	228.89
℄+1	℄ Pav		5.21	228.95
¼			5.31	228.85
+5			5.7	228.5
+6			5.3	228.9
cb			4.7	229.5
N.L.			4.5	229.7
4N			4.7	229.5
7N			3.8	230.4
10N			4.0	230.2
3+90				
10N			4.4	229.8
5N			4.7	229.5
N.L.			4.7	229.5
+7			4.5	229.7
cb			4.9	229.3
+4			5.4	228.8
+5			5.8	228.4
¼	N Pav		5.28	228.88
+9	℄ Pav		5.20	228.96

3+90		234.11		
℄ +8	S Pav		5.26	228.90
¼			5.0	229.2
+4			5.0	229.2
cb			4.7	229.5
+6			4.0	230.2
S.L.			1.2	233.0
4/+00				
S.L.			0.7	233.5
+9			1.1	233.1
cb			1.7	232.5
+3			4.7	229.5
¼			5.0	229.2
+2	S Pav		5.19	228.97
℄ +1	℄ Pav		5.13	229.03
¼	N Pav		5.21	228.95
+4			5.6	228.6
+5			5.3	228.9
+8			4.5	229.7
cb			4.4	229.8
N.L.			4.7	229.5
10 N			5.2	229.0

O.K. 234.16

4+12 25 = E.L. Weedman.

10 N		6.8	227.4
N.L.		5.5	228.7
+8		4.2	230.0
cb		4.7	229.5
+2		5.7	228.5
+4		4.8	229.4
cb +98	N Pav	5.18	228.98
¼ +88	℄ Pav	5.09	229.07
℄ +78	S Pav	5.14	229.02
¼		5.0	229.2
+3		4.8	229.4
+4		3.1	231.1
+6		1.7	232.5
cb		1.2	233.0
+6		0.9	233.3
S.L.		1.2	233.0
4/+23			
SL.		1.3	232.9
cb		1.6	232.6
+6		4.2	230.0
+7		5.2	229.0
+8		5.3	228.9
¼		4.9	229.3
+22	S Pav	5.15	229.01
℄ +12	℄ Pav	5.12	229.04

4+23		234.16		
N ¼+0	N Pav		5.16	229.00
+2			4.7	229.5
cb			5.6	228.6
+5			5.8	228.4
NL			9.9	224.3
4N			12.6	221.6
15N			13.2	221.0
4+26				
15N			13.2	221.0
NL			12.6	221.6
+4			11.7	222.5
+8			6.0	228.2
cb			6.0	228.2
+7			5.5	228.7
+8			4.8	229.4
+9 8	N Pav		5.16	229.00
¼+8 8	℄ Pav		5.13	229.03
℄+7 8	S Pav		5.12	229.04
¼			4.9	229.3
+2			5.7	228.5
+8			2.5	231.7
cb			2.5	231.7
S.L			3.0	231.2

4+32		234.16		
SL			11.7	222.5
cb			11.5	222.7
+2			12.6	221.6
+4			11.4	222.8
¼			4.8	229.4
+2 2	S Pav		5.14	229.02
℄+1 2	℄ Pav		5.14	229.02
¼+0 2	N Pav		5.17	228.99
¼+1			4.9	229.3
cb			11.7	222.5
+1			13.0	221.2
NL			13.1	221.1
15'N			13.5	220.7
4+37 = W wall Culvert				
15N			14.5	219.7
NL			14.0	220.2
cb			14.1	220.1
+9 N. end w wall			14.6	219.6
+9 botten of N beam			6.95	227.21
+9 top of N Cab			4.87	229.29
+9 8 N Pav			5.11	229.05
¼+8 8 ℄ Pav			5.10	229.06
℄+7 8			5.08	229.08
+9 top S. Cab			4.95	229.21
+9 botten of S. beam			7.02	227.14

	234.16		
+9 grd. bot. N. wall	15.6	218.6	
¼	15.6	218.6	
cb	15.1	219.1	
S.L	15.0	219.2	
15'S	15.6	218.6	
A+57 = E Wall Culvert			
15'S	13.0	221.2	
S.L	13.3	220.9	
cb	14.0	220.2	
¼	15.2	219.0	
+1 grd.	15.2	219.0	
+1 bottom S beam	6.99	227.17	
+1 top S cap	4.94	229.22	
+2± S Pav	5.06	229.10	
℄ +1± ℄ Pav	5.01	229.15	
¼ +0± N Pav	5.08	229.08	
+1 top N cap.	4.86	229.30	
+1 bottom of N beam	6.94	227.22	
+1 grd. bot. E wall	14.9	219.3	
cb	14.7	219.5	
NL	14.7	219.5	
5'N	10.6	223.6	
15'N	8.9	225.3	

H+63		234.16		
15N			9.5	224.7
6N			7.9	226.3
1N			8.0	226.2
N.L.			9.0	225.2
cb			9.7	224.5
+7			8.4	223.8
+9			5.0	229.2
+9⅝	N. Pav		5.08	229.09
¼ 8⅝	℄ Pav		4.98	229.18
℄ 7⅝	S. Pav		5.05	229.11
+9			4.8	229.4
¼			5.3	228.9
+4			8.8	225.4
+5			11.4	222.8
cb			12.1	222.1
+8			10.7	223.5
+9			8.6	225.6
S.L			9.0	225.2
1'S			9.1	225.1
2'S			10.7	223.5
4'S			11.5	222.7
15S			12.3	221.9

4+80		234.24		
10 N			7.8	226.4
N.C			7.2	227.0
+9			7.0	227.2
cb			6.6	227.6
+6			4.7	229.5
+9 8	N Pav		5.01	229.23
¼ +8 8	℄ Pav		4.98	229.26
℄ +7 8	S. Pav		5.03	229.21
¼			5.1	229.1
+1			5.2	229.0
+5			7.0	227.2
cb			7.2	227.0
SC			7.3	226.9
4's			7.4	226.8
5's			10.2	224.0
15's			12.3	221.9
5+00				
20's			14.4	219.8
15's			14.6	219.6
14's			12.2	222.0
11's			11.1	223.1
10's			7.5	226.7
S.L			7.1	227.1
Cb			6.4	227.8
+4			6.2	228.0

5+00		234.24		
S ¼			5.5	228.7
+2 3	S Pav		4.95	229.29
℄ +1 3	℄ Pav		4.83	229.41
¼ +0 3	N Pav		4.98	229.26
+4			5.5	229.7
+6			5.4	229.8
+8			6.9	227.3
cb			7.1	227.1
N.C			6.8	227.4
10 N			7.3	226.9
5+25				
10 N			7.1	227.1
1 N			6.6	227.6
N.C.			6.9	227.3
cb			6.7	227.5
+2			6.4	227.8
+5			5.4	228.8
+6			5.6	228.6
+9 2	N Pav		4.86	229.38
¼ +8 2	℄ Pav		4.77	229.47
℄ +7 2	S. Pav.		4.88	229.36
¼			5.3	228.9
+1 5			5.5	228.7
+3			5.1	229.1
+5			6.2	228.0
cb			6.5	227.7

Imperial

5+25		234.24		
SL			6 8	227.4
4'S			6 9	227.3
5 S			12 4	221.8
15 S			13 8	220.4
5+56				
15'S			13.3	220.9
7'S			13 8	220.4
4'S			13.5	220.7
3'S			12.3	228.9
1'S			11.1	223.1
SL			6 1	228.1
cb			5 9	228.3
+5			5 5	228.7
+7			5.0	229.2
+8			5 3	228.9
1/4			5.1	229.1
+2	S Pav		4.72	229.42
℄+1	℄ Pav		4.65	229.59
1/4+0	N Pav		4.72	229.52
+4			5 3	228.9
+7			5.2	229.0
+9			6.2	228.0
cb			6.3	227.9
N.L.			6.5	227.7
8'N			6 3	227.9
10N			6 7	227.5

Imperial.

5+62		234.24		
10N			6.3	227.9
N.L.			6 3	227.9
+9			5.7	228.3
cb			5 8	228.4
+3			5.1	229.1
+5			5 3	228.9
+7	N Pav		4 72	229.42
1/4+8	℄ Pav		4.65	229.59
℄+7	S Pav		4 69	229.55
1/4			5 1	229.1
+2			5 3	228.9
+3			4.8	229.4
+5			5 5	228.7
cb			5.7	228.5
+8			6.1	228.1
+9			12.1	222.1
SL			12.6	221.6
15'S			13.3	220.9
5+80				
15'S			13.1	221.1
3'S			13.0	221.2
SL			12.3	221.9
+4			11 1	223.1
+5			5.6	228.6
cb			5.4	228.8

5+80	234.24		
c b of ?		4.7	229.5
+85		5.1	229.1
1/4		4.9	229.3
+2 3 S Pav		4.68	229.56
℄ +1 3 ℄ Pav		4.55	229.69
1/4 +0 5 N Pav		4.68	229.56
+5		5.4	228.8
+6		5.2	229.0
c b		5.6	228.6
N.L.		5.6	228.6
10 N		6.1	228.1
6+05			
10 N		5.6	228.6
N.L.		5.5	228.7
+5		5.4	228.8
c b		5.0	229.2
+4		4.7	229.5
+5		5.1	229.1
+9 2 N Pav		4.46	229.78
1/4 +8 2 ℄ Pav		4.43	229.81
℄ +7 2 S Pav		4.58	229.66
1/4		4.8	229.4
+15		4.9	229.3
+3		4.5	229.7
+7		5.0	229.2

6+05	234.24		
S c b		5.2	229.0
+8		5.6	228.6
S.L.		12.2	222.0
7's		13.5	220.4
15's		13.0	221.2
6+08			
15's		13.0	221.2
7's		14.0	220.2
2's		13.2	221.0
S.L.		5.7	228.5
c b		5.2	229.0
+8		4.4	229.8
+9		4.8	229.4
1/4		4.8	229.4
+2 3 S Pav		4.56	229.68
℄ +1 3 ℄ Pav		4.44	229.80
1/4 +0 3 N Pav		4.45	229.79
+5		5.1	229.1
+7		4.7	229.5
c b		5.0	229.2
N.L.		5.4	228.8
10 N		5.6	228.6

6+25		234.24		
10 N			5.6	228.6
4 N			5.2	229.0
N.L			5.4	228.8
cb			4.8	229.4
+3			4.4	229.8
+5			4.9	229.3
+92	17 Pav		4.43	229.81
¼+82	℄ Pav		4.37	229.87
℄ +72	S Pav		4.51	229.73
¼			4.6	229.6
+15			4.7	229.5
+3			4.3	229.9
+6			4.8	229.4
cb			5.0	229.2
S.L.			5.5	228.7
4'S			6.1	228.1
7'S			8.7	225.5
9'S			13.9	220.3
13'S			13.3	220.9

6+50		234.24		
8'S top ditch			5.8	228.4
S.L.			5.2	229.0
cb			4.6	229.6
+5			4.2	230.0
+85			4.6	229.6
¼			4.5	229.7
+53	S Pav		4.81	230.03
℄ +13	℄ Pav		4.23	230.01
¼ +03	N Pav		4.29	230.05
+4			4.7	229.5
+6			4.2	230.0
cb			5.1	229.1
+5			4.9	229.3
N.L			6.5	227.7
10 N			6.8	227.4
6+83	1 = w.L. Beacon Dr.			
10 N			6.4	227.8
2 N			6.3	227.9
N.L			5.8	228.4
+3			5.1	229.1
cb			4.6	229.6
+4			4.1	230.1
+6			4.4	329.8
+97	N Pav		4.06	230.18
¼+84	℄ Pav		3.98	230.26
℄ +72	S Pav		4.10	230.14

O.K. 6+83.1 = W. Line		234.24		
1/4			4.3	229.9
+15			4.4	229.8
+5			4.0	229.2
cb			4.6	229.6
S.L.			4.9	229.3
19's	top ditch		5.8	228.4
7+0 O.K. 8.1 = ℄	Beacon Dr.			
15's			4.8	229.4
SL			3.8	230.4
+4			3.8	230.4
+7			4.3	229.9
cb			3.8	230.4
+6			3.8	230.4
+8.5			4.3	229.9
1/4			4.1	230.1
+2.3	S. Pav		3.94	230.30
℄ +1.3	℄ Pav		3.80	230.4
1/4 +0.3	N. Pav		3.91	230.33
+4			4.3	229.94
+5			3.9	230.3
+7			4.3	229.9
cb			4.5	229.7
N.L.			5.0	229.2
20'N			5.4	228.8

O.K. 7+33.1 = E.L. Beacon Dr		234.24		
10N			5.0	229.2
N.L.			4.9	229.3
cb			4.6	229.6
+4			3.7	230.5
+6			4.1	230.1
+9.3	N Pav		3.70	230.74
1/4+8.2	℄ Pav		3.56	230.68
℄ +7.2	S Pav		3.66	230.58
1/4			3.9	230.3
+2			4.0	230.2
+7			3.6	230.6
cb			3.6	230.6
S.L.			3.9	230.3
Line of trees - 7+42.6			8' N of S.L.	
T.P	6.79	237.56	3.47	230.77
7+75				
S.L.			6.9	230.7
cb			6.5	231.1
+8.5			7.2	230.4
1/4			7.0	230.6
+2.3	S Pav		6.70	230.87
℄ +1.3	℄ Pav		6.57	231.00
1/4 +0.3	N Pav		6.67	230.89
+4			7.1	230.5

7+75	237.56		
+7		6.6	231.0
cb		6.8	230.8
N.L.		7.4	230.2
5N		7.4	230.2
8+25			
5N		6.1	231.5
N.L.		6.5	231.1
+3		6.8	230.8
+9		6.1	231.5
cb		6.3	231.3
+5		6.2	231.4
+6		6.6	231.0
+9[2] N Pav		6.31	231.25
1/4 +8[2] ℄ Pav		6.18	231.38
℄ +7[2] S Pav		6.28	231.28
1/4		6.5	231.1
+2		6.7	230.9
+5		6.3	231.3
cb		6.4	231.2
S.L.		6.3	231.3

8+75	237.56		
S.L.		5.8	231.8
cb		5.6	232.0
+5		6.0	231.6
+8		6.0	231.6
1/4		5.9	231.7
+2[3] S Pav		5.70	231.87
℄ +1[3] ℄ Pav		5.53	232.03
1/4 +0[3] N Pav		5.57	231.97
+4		5.9	231.7
+7		5.6	232.0
cb		5.6	232.0
+2		5.7	231.9
+4		5.4	232.2
N.L.		5.7	231.9
5N		5.4	232.2
9+25			
5N		4.8	232.8
N.L.		4.9	232.7
+5		4.8	232.8
+7		5.0	232.6
cb		5.0	232.6
+4		5.0	232.6
+6		5.1	232.5
+9[2] N Pav		4.80	232.76
1/4 +8[2] ℄ Pav		4.68	232.88
℄ +7[2] S Pav		4.88	232.68

9+25	237.56		
1/4		5.1	232.5
+2		5.3	232.3
cb		4.4	233.2
S.L.		4.3	233.3
9+75			
S.L.		3.3	234.3
cb		3.5	234.1
+6		4.0	233.6
+8		4.7	232.9
1/4		4.7	232.9
+23 S Pav		4.04	233.52
℄+13 ℄ Pav		3.92	233.64
1/4+03 N Pav		3.96	233.60
+4		4.4	233.2
+6		4.3	233.3
+8		4.3	233.3
cb		4.6	233.0
+3		4.3	233.3
+8		4.2	233.4
N.L.		4.4	233.2
2N		4.4	233.2
5N		3.8	233.8

10+25	237.56		
5N		2.6	235.0
2N		3.1	234.5
N.L.		3.0	234.6
+4		2.9	234.7
+5		3.2	234.4
cb		3.2	234.4
+2		3.3	234.3
+5		3.9	233.7
+98 N Pav		3.17	234.39
1/4+87 ℄ Pav		3.12	234.44
℄+72 S Pav		3.27	234.29
1/4		3.5	234.1
+15		3.6	234.0
+4		3.1	234.5
cb		2.4	235.0
+6		2.4	235.2
S.L.		2.5	235.1
10+50			
10 IS		2.7	234.9
S.L.		2.5	235.1
cb		2.1	235.5
+6		2.5	235.1
+85		3.2	234.4
1/4		3.1	234.1
+24 S Pav		2.84	234.72

10+50	237.56			
℄+1℄	℄ Pav	2.74	234.82	
¼+0℄	N Pav	2.80	234.76	
+5		3.5	234.1	
eb		3.3	234.3	
+3		3.1	234.5	
+6		3.2	234.4	
+7		2.9	234.7	
NL		2.7	234.9	
5N		2.4	235.2	
10+75				
5N		2.4	235.4	
N.L.		2.5	235.1	
+3		2.5	235.1	
+5		3.0	234.6	
eb		2.9	234.7	
+4		2.8	234.8	
+5		3.0	234.6	
+9.6	N Pav	2.41	235.15	
¼8.6	℄ Pav	2.32	235.24	
℄+7.6	S Pav	2.49	235.07	
¼		2.8	234.8	
+1		2.9	234.7	
+4		2.5	235.1	
+8		2.4	235.2	
eb		2.7	234.9	

10+75	237.56		
S.L.		4.7	232.9
10S	top hitch.	5.1	232.5
11+00			
15's		7.6	230.0
12's		7.0	230.6
9's		4.8	232.8
S.C.		4.5	233.1
+4		4.5	233.1
eb		3.7	233.9
+6		2.1	235.5
+9		2.6	235.0
¼		2.4	235.2
+2.9	S Pav.	2.09	235.47
℄+1.9	℄ Pav	1.89	235.67
¼+0.9	N Pav	1.96	235.60
+5		2.5	235.1
eb		2.6	235.0
+6		2.7	234.9
+7		2.3	235.3
N.L.		2.2	235.4
5N		2.3	235.3

11+25		237.56		
5N			2.1	235.5
N.L.			1.8	235.8
+2			1.6	236.0
+4			2.4	235.2
cb			2.4	235.2
+5			2.1	235.5
+5.6	N. Pav		1.61	235.95
1/4 +8.6	℄ Pav		1.53	236.03
℄ +7.6	S Pav		1.62	235.94
1/4			2.1	235.5
+2			2.2	235.5
cb			3.4	234.2
+6			4.3	233.3
S.L			4.3	233.3
10's			4.8	232.8
11+38.1 O.K.	=W.L. Beacon Dr.			
15's			9.1	228.5
12's			8.5	229.1
10's			6.7	230.9
S.L			5.1	232.5
cb			3.8	233.8
+7			2.0	235.6
+6.5			2.1	235.5
1/4			1.9	235.7

11+33.1		237.56		
1/4+2.1	S Pav		1.51	236.05
℄ +1.9	℄ Pav		1.41	236.15
1/4+0.4	N Pav		1.56	236.00
+4			2.1	235.5
cb			2.2	235.4
+6			2.3	235.3
+7			1.8	235.8
N.L.			1.6	236.0
5N			1.9	235.7
11+58.1 = ℄ Beacon Dr				
5N			1.2	236.4
N.L.			0.9	236.7
+2			1.0	236.6
+3			2.1	235.5
cb			1.9	235.7
+5			1.7	235.9
+9.6	N Pav		1.09	236.47
1/4+8.6	℄ Pav		1.03	236.53
℄ +7.6	S Pav		1.11	236.45
1/4			1.6	236.0
cb			3.0	234.6
S.L			4.3	233.3
10's			6.0	231.6

I 37.56

11+83 ± = E.L Beacon Dr.

10 S	9.6	228.0
2 S	9.5	228.1
S.L.	4.2	233.4
cb	2.7	234.9
+4	2.6	235.0
+8	1.1	236.5
+8.5	1.4	236.2
1/4	1.2	236.4
+24 S Pav	0.24	236.82
℄+14 ℄ Pav	0.60	236.96
1/4+04 N Pav	0.75	236.81
+4	1.3	236.3
cb	1.4	236.2
+9	0.9	236.7
NL	0.7	236.9
5 N	0.4	237.2
12+00		
5 N	0.5	237.1
N.L.	0.8	236.8
+1	1.4	236.2
+4	1.5	236.1
cb	1.2	236.4
+6	1.0	236.6
+9.4 N Pav	0.47	237.09
1/4 +8.6 ℄ Pav	0.37	237.19

12+00

℄+7.6 S Pav	0.47	237.09
1/4	0.8	236.8
+1.5	1.0	236.6
+3	0.6	237.0
+5	0.7	236.9
cb	2.2	235.4
+4	3.0	234.6
+8	5.4	232.2
SL	8.4	229.2
5 S	10.2	227.4
10 S	9.5	228.1
12+15 = wend ret wall on South.		
10 S	9.6	228.0
5 S	9.8	227.8
S.L.	10.8	226.8
+4	10.0	227.6
cb	5.7	231.9
+2.5	4.3	233.3
+3 top ret. wall.	2.2	235.4
+7	0.9	236.7
1/4	0.9	236.7
+2.4 S Pav.	0.15	237.41
℄+1.4 ℄ Pav	0.08	237.46
1/4+0.4 N Pav	0.17	237.39
+5	0.7	236.9

12+15	237.56		
cb		1.0	236.6
+5		1.1	236.5
+6		1.3	236.3
+9		1.3	236.3
N.L.		0 3	237.3
5N		0.2	237.4
T.P. #3 7.31	244.69	0.18	237.38
12+32			
5N		7.0	237.7
2N		6.8	237.9
N.L.		7.5	237.2
+1		8.3	236.4
+6		7.8	236.9
cb		7.6	237.1
+5		7.5	237.2
+9 6 N Pav		7.06	237.63
¼+8 6 ℄ Pav		7.00	237.69
℄+7 6 S Pav		7.24	237.45
¼		7.4	237.3
+1 5		7.4	237.3
+2		7.2	237.5
+4		7.6	237.1
+7 top ret. wall		9.00	235.69
+8 5 at bottom wall		16.5	228.2

12+32	244.69		
cb		18.0	226.7
+5		12.9	231.8
S.L.		16.6	228.1
7's		15.6	229.1
15's		13.0	231.7
12+45			
15's		17.1	227.6
S.L.		17.4	227.3
cb		18 2	226.5
+1 5		18.2	226.5
+3 top ret. wall		8.7	236.0
+6		7.2	237.5
+9		7.3	237.4
¼		7.2	237.5
+2 9 S. Pav		7.05	237.64
℄+1 4 ℄ Pav		6.80	237.89
¼+0 4 N Pav		6.86	237.83
+5		7.4	237.3
cb		7.5	237.2
+3		7.5	237.2
+4		8 0	236.7
+8		7.6	237.1
N.L.		6.8	237.9
5N		6.8	237.9

12+60	244.69		
5N		6.5	238.2
N.L.		6.4	238.3
+1		6.6	238.1
+2		7.7	237.0
+4		7.6	237.1
+5		7.3	237.4
cb		7.1	237.6
+9.5	N Pav	6.59	238.10
¼ +8.5	℄ Pav	6.54	238.15
℄ +7.5	S Pav	6.78	237.91
¼		7.0	237.7
+1.5		7.2	237.5
+3		7.1	237.6
+7	top wall	8.4	236.3
8.5	at bottom of wall	16.7	228.0
cb		16.5	228.2
+2		15.7	229.0
S.L.		15.8	228.9
10 S		15.1	229.6
15 S		14.5	230.2

12+82	244.69		
15 S		14.8	229.9
S.L.		14.7	230.0
+4		14.8	229.9
cb		12.9	231.8
+1.5	at bot. of wall	12.9	231.8
+3	top wall	8.0	236.7
+8		6.9	237.8
¼		6.6	238.1
+2.4	S Pav	6.15	238.54
℄ +1.4	℄ Pav	6.01	238.68
¼ +0.4		6.04	238.65
+5		6.4	238.3
cb		6.5	238.2
+1		6.6	238.1
+2		7.3	237.4
+4		7.3	237.4
+8.5		6.9	237.8
+9		6.3	238.4
N.L.		6.1	238.6
5N		6.2	238.5

244.69

12+93 = w end ret. wall.

5N		5.7	239.0
N.L.		5.7	239.0
+2		6.8	239.9
cb		6.4	238.3
+9½	N. Pav	5.70	238.99
¼+8½	℄ Pav	5.61	239.08
℄+7½	S Pav	5.78	238.91
¼		6.2	238.5
+2		6.2	238.5
+7		7.8	236.9
+8		10.5	234.2
cb		11.4	233.3
+3		11.7	233.0
+5		14.5	230.2
S.L.		14.9	229.8
15's		15.2	229.5
13+00			
15's		14.8	229.9
6's		11.2	233.5
S.L.		10.5	234.2
+5		9.5	235.2
cb		7.4	237.3
+5		5.6	239.1
+7		5.5	239.2
+8		6.0	238.7

244.69

13+00

¼		5.9	238.8
+2½	S Pav	5.63	239.06
℄+1½	℄ Pav	5.48	239.21
¼+0½	N Pav	5.57	239.12
cb		6.3	238.4
+8		6.7	238.0
N.L.		5.5	239.2
5N		5.7	239.0
13+20			
5N		5.6	239.1
N.L.		5.2	239.5
+1		6.5	238.2
+3		6.5	238.2
cb		5.8	238.9
+9½	N Pav.	5.08	239.61
¼+8½	℄ Pav	5.02	239.67
℄+7½	S Pav	5.12	239.57
¼		5.1	239.6
+2		5.4	239.3
+4		5.1	239.6
cb		5.5	239.2
+7		5.9	238.8
S.L.		6.4	238.3
6's		7.0	237.7
10's		6.5	238.2

244.69

13+50			
10 S	5.7	239.0	
S.L.	5.1	239.6	
+3	5.0	239.7	
+6	5.2	239.5	
cb	5.1	239.6	
+6	4.6	240.1	
+9	4.9	239.8	
1/4	4.7	240.0	
+2½ S Pav	4.36	240.33	
℄ +1½ ℄ Pav	4.22	240.47	
1/4+0½ N Pav	4.32	240.37	
+5	4.7	240.0	
cb	5.1	239.6	
+5	5.4	239.3	
+8	6.3	238.4	
+9	4.2	240.5	
N.L.	4.4	240.3	
5 N	4.8	239.9	

244.69

13+75		
5 N	4.0	240.7
N.L.	3.7	241.0
+1	3.7	241.0
+2	4.9	239.8
+5	5.6	239.1
+7	4.8	239.9
cb	4.6	240.1
+5	4.0	240.7
+9½ N Pav	3.70	240.97
1/4+8½ ℄ Pav	3.55	241.14
℄ +7½ S Pav	3.71	240.98
1/4	4.1	240.6
+2	4.3	240.3
+4	3.7	241.0
+5	3.8	240.9
+7	4.2	240.5
cb	4.4	240.3
5 L	5.1	239.6
5 S	5.1	239.6

Imperial

Station	Note	H.I.	Rod	Elev.
14+00		244.69		
5 s			4.2	240.5
s L			4.2	240.5
+5			3.7	241.0
e.b			3.8	240.9
+6			3.0	241.7
+8			3.5	241.2
1/4			3.4	241.3
$+2^{4}$	s Pav		3.02	241.67
℄ $+1^{4}$	℄ Pav		2.91	241.78
1/4 $+0^{4}$	N Pav.		3.01	241.68
+6			3.5	241.2
e b			4.0	240.7
+3			4.4	240.3
+4			4.7	240.0
+8			4.2	240.0
+9			2.9	241.8
N.L			3.0	241.7
14+50				
N.L			2.3	242.4
$+1^{5}$			3.4	241.3
+4			3.3	241.4
e b			2.7	242.0
+4			2.2	242.5
$+9^{6}$	N Pav		1.80	242.89
1/4 $+8^{6}$	℄ Pav		1.55	243.14

($14+54^{91}$ = B.C. Curve 18' Strip Pav.
$\Delta = 46^{\circ}17'20^{4}$ Lt.
R = 1500.')

Station	Note	H.I.	Rod	Elev.	Remarks
		244.69			
℄ $+7^{6}$	s Pav		1.53	243.16	
1/4			1.8	242.9	
+2			2.0	242.7	
+5			1.7	243.0	
c b			2.2	242.5	
s L			2.3	242.4	

($14+61^{51}$ BC) ~L $\Delta = 46^{\circ}12'$ R = 1542.69 L = 1243^{24} (outside)
$14+62^{8}$ = B.C Curve Stationed on South Side
(Miller July 1938)

Station	Note	H.I.	Rod	Elev.	Remarks
5's			2.4	242.3	sections radial }
s.L			2.4	242.3	
+4			2.1	242.6	
c b			1.7	243.0	
+5			1.3	243.4	
+8			1.7	243.0	
1/4			1.5	243.2	
$+2^{4}$	s Pav		1.21	243.48	
℄ $+1^{4}$	℄ Pav		1.24	243.45	
1/4 $+0^{4}$	N Pav.		1.47	243.22	
+6			1.7	243.0	
e b			2.1	242.6	
+4			2.5	242.2	
+7			3.0	241.7	
+9			3.1	241.6	
N.L			2.3	242.4	

		244.69		
14+75				
N.L		1.6	243.1	
+2		2.7	242.0	
+4		2.7	242.0	
+5		2.4	242.3	
1/4		1.9	242.8	
+3		1.5	243.2	
+9.5	N Pav	1.15	243.54	
1/4+8.5	℄ Pav	0.90	243.79	
℄+7.5	S Pav	0.90	243.79	
1/4		1.1	243.6	
+6		1.0	243.7	
cb		1.1	243.6	
S.L.		1.8	242.9	
5's		2.1	242.6	
15+00				
5's		0.8	243.9	
S.L		0.6	244.1	
cb		0.1	244.6	
+5		0.0	244.7	
1/4		0.3	244.4	
+3	S Pav.	0.30	244.39	
℄		0.32	244.37	
+2	℄ Pav	0.35	244.34	
1/4		0.55	244.14	
+1	N Pav	0.61	244.08	

15+00		244.69		
cb			1.0	243.7
+9			1.9	242.8
N.L.			0.9	243.8
15+25				
N.L.			0.0	
T.P #4	9.15	253.78	0.06	244.63
15+25				
N.L			9.2	244.6
+3			10.1	243.7
+6			9.9	243.9
cb			9.4	244.4
+5			9.1	244.7
+9.2	N Pav		9.02	244.76
1/4			8.98	244.80
+8.2	℄ Pav		8.76	245.02
℄			8.72	245.06
+7.2	S Pav		8.74	245.04
1/4			8.8	245.0
+7			8.4	245.4
cb			8.4	245.4
S.L.			8.6	245.2
5's			8.7	245.1

253.78

15+50			
S.L.		7.8	256.0
cb		7.9	255.9
+2		7.8	256.0
1/4		8.2	255.6
+3 1/2	S Pav	8.13	245.65
℄		8.12	245.66
+3 1/2	℄ Pav	8.15	245.63
1/4		8.36	245.42
+1 1/2	N Pav	8.38	245.40
cb		8.6	245.2
NL.		8.0	245.8
15+80 3/3 = W.L. Oriel St.			
NL.		8.0	245.8
+3		8.2	245.6
cb.		8.0	245.8
+5		7.8	246.0
+9 1/2	N Pav	7.70	246.08
1/4		7.66	246.12
+8 1/2	℄ Pav	7.44	246.34
℄		7.41	246.37
+7 1/2	S Pav	7.45	246.33
1/4		7.3	246.5
+7		6.9	246.9
cb		7.0	246.8
+5		7.2	246.6
S.L.		7.3	246.5

253.78

16+11 3/3 = ℄ Oriel St.			
NL.		7.2	246.6
+4		7.1	246.7
+5		8.0	245.8
+6		8.0	245.8
cb		7.5	246.3
+9 N Pav		6.96	246.82
1/4		6.91	246.97
+8 ℄ Pav		6.72	247.06
℄		6.68	247.10
+7 S Pav		6.72	247.06
1/4		6.8	247.0
cb		6.6	247.2
S.L.		6.9	246.9
16+42 3/3 = E.L. Oriel St.			
S.L.		6.1	247.7
+6		6.1	247.7
cb		5.9	247.9
+4		5.9	247.9
1/4		6.1	247.7
+3 S. Pav.		6.06	247.72
℄		6.07	247.71
+2 ℄ Pav		6.10	247.68
1/4		6.32	247.46
+1 N Pav		6.35	247.43
cb		6.9	246.9

253.78

16+42.3				
+7			7.4	246.4
8			7.6	246.2
9			7.5	246.3
N.L.			6.8	247.0
16+75				
N.L			7.4	246.4
+1			7.3	246.5
+3			6.7	247.1
cb			6.4	247.4
+8.5	N Pav		6.02	247.76
1/4			5.93	247.85
+7.5	℄ Pav		5.74	248.04
℄			5.72	248.06
+6.5	S Pav		5.65	248.13
1/4			5.8	248.0
+3			5.5	248.3
+5			5.0	248.8
cb			5.3	248.4
S.L.			5.6	248.2
5 S			5.7	248.1

253.78

17+00				
5 S			5.0	248.8
S.L.			5.0	248.8
+4			4.8	249.0
cb			4.7	249.1
+5			4.7	249.1
1/4			5.5	248.3
+3.2	S Pav		5.39	248.39
℄			5.45	248.33
+2.2	℄ Pav		5.49	248.29
1/4			5.64	248.14
+1.2	N Pav		5.66	248.12
cb			6.2	247.6
+8			6.6	247.2
+9			7.1	246.7
N.L			7.1	246.1
1'N			7.1	246.1
2 N			6.2	247.6
5 N			5.7	248.1
17+25				
5 N			5.5	248.3
2 N			6.1	247.7
N.L.			6.1	247.7
+1			7.0	246.8
+5			6.3	247.5
cb			6.0	247.8

253.78

17+25				
+85	N Pav		5.51	248.27
¼			5.46	248.32
+75	℄ Pav		5.30	248.48
℄			5.28	248.50
+65	S Pv.		5.20	248.58
¼			5.2	248.6
cb			5.1	248.7
S.L.			5.1	248.7
SS			5.2	248.6
17+50				
SS			5.0	248.8
S.L.			5.1	248.7
cb			5.0	248.8
¼			5.0	248.8
+38	S Pav		4.93	248.85
℄			5.03	248.75
+28	℄ Pav		5.03	248.75
¼			5.17	248.61
+18	N Pav		5.28	248.50
cb			5.7	248.1
+5			6.1	247.7
+7			6.5	247.3
+8			5.9	247.9
N.L.			5.4	248.4
2N			4.0	249.8
5N			4.0	249.8

253.78

17+75				
5'N			3.7	250.1
2'N			3.7	250.1
N.L.			4.7	249.1
+2			5.5	248.3
+3			5.9	247.9
+4			6.0	247.8
cb			5.4	248.4
+6	N Pav		4.97	248.81
¼			4.94	248.84
+7	℄ Pav		4.86	248.92
℄			4.74	249.04
+6	S Pav.		4.70	249.08
¼			4.8	249.0
cb			4.8	249.0
S.L.			4.8	249.0
SS			4.8	249.0
Floor garage 82's			4.55	249.33
18+00				
SS			4.7	249.1
S.L.			4.7	249.1
cb			4.6	249.2
¼			4.5	249.3
+41	S Pav		4.43	249.35
℄			4.47	249.31
+31	℄ Pav		4.53	249.25

18+00		253.78		
1/4			4.65	249.13
+21	N Pav.		4.71	249.07
cb			5.0	248.8
+6			5.6	248.2
+7			5.5	248.3
+8			5.0	248.8
+9			5.0	248.8
NL			4.4	249.4
2N			3.6	250.2
5N			3.5	250.3
T.P.	8.67	258.15	4.30	249.48
18+25				
5s			9.5	248.7
1s			9.5	248.7
SL.			9.0	249.2
cb			8.7	249.5
1/4			8.6	249.6
+43	s Pav		8.58	249.57
℄			8.58	249.57
+33	℄ Pav		8.63	249.52
1/4			8.73	249.42
+23	N Pav		8.77	249.38
cb			9.1	249.1
+7			9.5	248.7
+9			9.4	248.8

		258.16		
18+25				
cb			9.1	249.1
+4			8.0	250.2
NL			7.9	250.3
18+50				
NL			9.1	249.1
+4			9.2	249.0
+8			8.8	249.4
cb			8.7	249.5
+82	N Pav		8.60	249.55
1/4			8.56	249.59
+72	℄ Pav		8.45	249.70
℄			8.40	249.75
+52	s Pav.		8.35	249.80
1/4			8.4	249.8
cb			8.6	249.6
SL			9.2	249.0
5s			9.4	248.8
18+75				
5s			9.1	249.1
SL.			8.9	249.3
cb			8.6	249.6
1/4			8.1	250.1
+45	s Pav		8.05	250.10
℄			8.11	250.04
+35	℄ Pav		8.19	249.96

		258.15		
18+75				
1/4			8.32	249.83
+24	N Pav		8.40	249.75
cb			8.5	249.7
+8			9.0	249.2
+9			8.7	249.5
NL.			8.8	249.4
19+00				
NL.			8.4	249.8
+2			8.3	249.9
+3			8.9	249.3
+4			8.9	249.3
+5			8.6	249.6
cb			8.4	249.8
+2			8.3	249.9
+3			8.4	249.8
+75	N Pav		8.15	250.00
1/4			8.05	250.10
+65	℄ Pav		7.96	250.19
℄			7.91	250.24
+54			7.86	250.29
1/4			8.0	250.2
+3			8.1	250.1
cb			8.4	249.8
+5			9.0	249.2
SL.			9.3	248.9
5 5			9.5	248.7

		258.15		
19+25				
55			9.9	248.5
SL			9.5	248.7
cb			8.4	249.8
+4			8.0	250.2
1/4			7.6	250.6
+44	S Pav		7.58	250.47
℄			7.63	250.52
+38	℄ Pav		7.70	250.45
1/4			7.80	250.35
+28	N Pav		7.92	250.23
+7			8.2	250.0
+8			7.9	250.3
cb			8.1	250.1
+5			8.4	249.8
+7			8.6	249.6
+8			8.2	250.0
NL			8.1	250.1
19+50				
NL			7.9	250.3
+2			7.9	250.3
+3			8.6	249.6
+5			7.9	250.3
+7			7.7	250.5
cb			7.6	250.6
+3.			7.9	250.3

258.15

19+50				
cb+2	N Pav		7.68	250.47
¼			7.60	250.55
+6	℄ Pav		7.44	250.71
℄			7.40	250.75
+5	S. Pav		7.34	250.81
¼			7.4	250.8
+2			7.5	250.7
cb			8.4	249.8
+3			9.2	249.0
+6			9.9	248.3
S.L.			10.1	248.1
10's			10.6	247.6
19+75				
10s			11.2	247.0
S.L.			10.6	247.6
cb			10.4	247.8
+1			9.2	249.0
+6			8.8	249.4
+9			7.3	250.9
¼			7.1	251.1
+5	S Pav		7.10	251.05
℄			7.15	251.00
+4	℄ Pav		7.24	250.91
¼			7.36	250.79
+3	N Pav		7.43	250.72
+6			7.5	250.7

258.15

19+75				
+7			7.2	251.0
cb			7.3	250.9
+4			7.3	250.9
+9			7.9	250.3
N.L.			7.7	250.7
20+00				
N.L.			7.1	251.1
+1			7.1	251.1
+2			7.7	250.5
+5			7.2	251.0
cb			6.9	251.3
+3			7.0	251.2
+4			7.3	250.9
6	N Pav		7.20	250.95
¼			7.11	251.04
5	℄ Pav		7.01	251.14
℄			6.95	251.20
+4	S Pav		6.86	251.29
+9			7.1	251.1
¼			6.8	251.4
+3			7.0	251.2
+5			9.7	248.5
cb			10.2	248.0
+7			10.4	247.8
S.L.			11.9	246.3
10's			11.1	247.1

20+25		258.15		
10'S			11.3	246.9
S.L			11.2	247.0
e b			10.5	247.7
+3			10.0	248.2
+9			6.9	251.3
'4			6.7	251.5
+5⅛	S Pav		6.55	251.60
℄			6.61	251.54
+4⅝	℄ Pav		6.66	251.49
¼			6.81	251.34
+3⅝	N Pav		6.91	251.24
+7			7.1	251.1
+8			6.8	251.4
e b			6.7	251.5
+1			6.5	251.7
+5			6.6	251.6
+8			7.3	250.9
NL.			6.9	251.3
5'N			7.1	251.1

20+50		258.15		
5N			7.1	251.1
N.L.			6.7	251.5
+2			6.5	251.7
+3			6.8	251.4
+8			6.2	252.0
e b			6.4	251.8
+2			6.4	251.8
+3			6.8	251.4
+6¼	N Pav		6.53	251.62
¼			6.51	251.64
+5¼	℄ Pav		6.37	251.78
℄			6.31	251.84
+4¼	S Pav		6.22	251.93
¼			6.4	251.8
+3			6.3	251.9
+8			9.6	248.6
e6			10.0	248.2
+5			10.7	247.5
5L			10.9	247.3
10S			10.8	247.4

20+75		258.15		
10 S			10.6	247.6
S.L.			10.5	247.7
+8			10.4	247.8
c b			9.7	248.5
+6			6.0	252.2
¼			6.0	252.2
+5 2	S Pav		5.95	252.20
℄			6.01	252.14
+4 2	℄ Pav		6.06	252.09
¼			6.17	251.98
+3 2	N Pav		6.26	251.89
+7			6.5	251.7
+8			6.3	251.9
c b			6.2	252.0
+2			5.9	252.3
+6			5.7	252.5
+8			6.1	252.1
N.L.			6.9	251.3
3 N			8.6	250.2
5 N			8.1	250.1
10 N			7.7	250.5

21+23 2 = w.L. Front St.		258.15		
10 N			8.9	249.3
5 N			9.0	249.2
N.L.			8.0	250.2
+4			6.4	251.8
+6			5.5	252.7
+9			5.5	252.7
c b			5.8	252.4
+2			6.1	252.1
+5 2	N Pav		5.63	252.52
¼			5.57	252.58
+4 2	℄ Pav		5.48	252.64
℄			5.36	252.79
+3 2	S Pav		5.30	252.85
+8			5.6	252.6
¼			5.1	253.1
+1			4.8	253.4
+7			7.0	251.2
c b.			8.5	249.7
+2			9.0	249.2
S.L.			9.4	248.8
14 S			9.5	248.7
15 S			11.5	246.7

258.15

21+32

10 S		11.6	246.6
6 S		11.5	246.7
5 S		9.6	248.6
S.L.		9.2	249.0
+5		8.7	249.5
cb		8.0	250.2
+2		7.4	250.8
+8		5.2	253.0
+9		4.6	253.6
1/4		4.9	253.3
+2		5.4	252.8
+6½	S Pav	5.22	252.93
℄		5.28	252.87
+5½	℄ Pav	5.39	252.76
1/4		5.48	252.67
+4½	N Pav	5.57	252.58
+8		6.0	252.2
1/4		5.7	252.5
+4		5.3	252.9
+7		7.2	251.0
N.L.		7.7	250.5
2'N		12.6	245.6
5'N		13.1	245.1
7 N		12.3	245.9
12 N		12.6	245.6
14 N		9.2	249.0

258.15

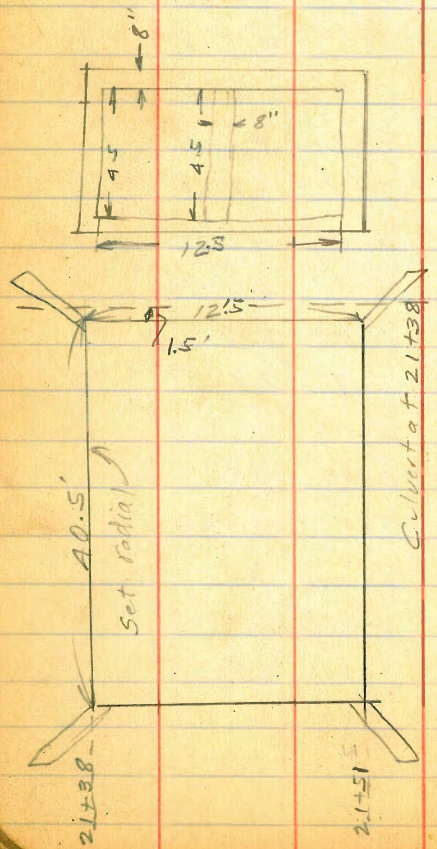
21+38 = w. wall culvert.

18 N		9.9	248.3
17 N		12.1	246.1
10 N		12.3	245.9
6 N		12.5	245.7
5 N		10.7	247.5
N.L.		11.3	246.9
+1	bottom wall N end	11.3	246.9
+1⅝	botton slab ✓	6.89	251.26
+1⅝	top slab ✓	6.11	252.04
+2		5.4	252.8
+5		5.0	253.2
+9		5.2	253.0
cb		5.9	252.3
+5¼	N Pav	5.47	252.68
1/4		5.37	252.78
+4¼	℄ Pav	5.29	252.86
℄		5.17	252.98
+2¼	S Pav	5.14	253.01
+8		5.4	252.8
+8		5.1	253.1
1/4		5.6	252.6
+1⅝	top slab S end	6.44	251.71
+1⅝	botton slab ✓	7.10	251.05
+1⅝	bottom wall S end	11.4	246.8
+6		11.8	246.4
cb		11.9	246.3

258.15

21+38

5 L	11.7	246.5
5 S	11.9	246.3
8 S	12.8	245.4
13 S	12.2	246.0
17 S	10.7	247.5



258.15

21+51 = E. end Culvert

15 S		9.0	249.2
12 S		8.6	249.6
5 L		9.6	248.6
+3		10.0	248.2
+4		10.7	247.5
+7		11.1	247.1
cb		10.3	247.9
+7		10.7	247.5
+8	at bottom of wall send	10.7	247.5
+8	bottom of slab send	6.95	251.20
+8	top slab	6.27	251.88
+9		5.5	252.7
1/4		5.1	253.1
+2		5.2	253.0
+6	S Pav	4.92	253.23
℄		5.01	253.14
+5	℄ Pav	5.10	253.05
1/4		5.20	252.95
+4	N Pav	5.29	252.86
+8		5.8	252.4
cb		5.4	252.8
+1		5.1	253.1
+5		5.1	253.1
+7 5	top slab N end	6.18	251.97
+7 5	bottom slab	6.86	251.29
+7 5	at bottom N end Wall	10.8	247.4

		258.15		
21+51				
N.L.			109	247.3
6N			103	247.9
19N			105	247.7
25N			85	249.7
21+56				
25N			8.7	249.5
20N			10.6	247.6
7N			10.6	247.6
5N			9.6	248.6
N.L.			9.6	248.6
+1			9.7	248.5
+1 5			6.7	251.5
+5			5.1	253.1
+8			5.2	253.0
cb			5.5	252.7
+2			5.8	252.4
+5 5	N Pav		5.20	252.95
1/4			5.12	253.03
+4 5	℄ Pav		5.05	253.10
℄			4.95	253.20
+3 5	S Pav		4.85	253.30
+8			5.3	252.9
1/4			5.0	253.2
+2			5.6	252.6
cb			8.0	250.2

		258.15		
21+56				
+4			8.5	249.7
S.L.			8.3	249.9
5S			8.1	250.1
6S			8.6	249.6
15S			8.9	249.3
21+75				
15S			8.6	249.6
7S			8.1	250.1
S.L.			7.6	250.6
cb			6.4	251.8
1/4			5.2	253.0
+6 1	S Pav		4.67	253.48
℄			4.73	253.42
+5 1			4.83	253.32
1/4			4.89	253.26
+4 1	N Pav		4.96	253.19
+9			5.6	252.6
cb			5.3	252.9
+2			4.9	253.3
+6			5.0	253.2
NL			7.6	250.6
3N			8.3	249.9
13N			8.2	250.0

		258.15		
22+00				
10 N			7.8	250.4
5 N			7.8	250.4
N.L.			6.6	251.6
+3			5.0	253.2
+9			4.8	253.4
cb			5.0	253.2
+1			5.3	252.9
+5 2/3	N Pav		4.65	253.50
1/4			4.54	253.61
+4 3/4	℄ Pav		4.44	253.71
℄			4.32	253.83
+3 3/4	S Pav		4.25	253.90
+7			4.6	253.6
1/4			4.6	253.6
+4			4.5	253.7
+8			6.9	251.3
cb			7.4	250.8
+3			7.9	250.3
+7			7.7	250.5
SL.			7.7	250.5

		258.15		
22+25				
10 S			7.2	251.0
5 L.			6.8	251.4
+5			6.9	251.3
cb			4.7	253.5
+1			4.4	253.8
1/4			4.1	254.1
+6 1/2	S Pav		4.08	254.07
℄			4.13	254.02
+5 1/4	℄ Pav		4.23	253.92
1/4			4.29	253.86
+4 1/2	N Pav		4.38	253.77
+9			5.0	253.2
cb			4.6	253.6
+5			4.7	253.5
NL.			6.2	252.0
10 N			7.4	250.8
22+50				
10 N			7.7	250.5
5 N			7.9	250.3
N.L.			6.4	251.8
+6			4.3	253.9
cb			4.2	254.0
+1			4.8	253.4
+5 1/6	N Pav		4.11	254.07
1/4			4.03	254.12

		258.15		
22+50				
¼ 46	℄ Pav		3.96	254.19
℄			3.86	254.29
+36	S Pav		3.80	254.35
¼			3.7	254.5
+5			4.0	254.2
cb			4.7	253.5
S.L.			5.2	253.0
10 S			5.8	252.4
35			5.2	253.0
22+75				
10 S			5.4	252.8
7 S			5.1	253.1
S.L.			4.9	253.3
+8			4.9	253.3
cb			5.3	252.9
+4			5.6	252.6
+8			5.4	252.8
¼			4.6	253.6
+2			3.7	254.5
+7	S Pav		3.51	254.64
℄			3.54	254.61
+6	℄ Pav		3.65	254.50
¼			3.71	254.44
+5	N Pav		3.86	254.29
+7			4.4	253.8
cb			3.9	254.3

		258.15		
22+75				
+5			4.3	253.9
+7			5.0	253.2
+8			6.8	251.4
NL			6.8	251.4
8 N			7.1	251.1
10 N			7.8	250.4
22+96				
10 N			8.1	250.1
7 N			7.2	251.0
NL			6.6	251.6
+4			6.0	252.2
cb			3.7	254.5
+1			4.3	253.9
+5	N Pav		3.63	254.52
¼			3.50	254.65
+4	℄ Pav		3.47	254.68
℄			3.36	254.79
+3	S Pav		3.33	254.82
+7			3.6	254.6
+9			3.6	254.6
¼			4.7	253.5
+5			6.8	251.4
cb			6.8	251.4
S.L.			5.9	252.3
10 S			4.9	253.3

		258.10		
23+00				
10 S			4.6	253.6
7 S			4.2	254.0
S.L.			4.3	253.9
+3			4.5	253.7
+6			7.0	251.2
cb			7.0	251.2
+5			6.8	251.4
1/4			4.6	253.6
+2			3.5	255.7
+3			3.6	254.6
+7½	S Pav		3.28	254.87
℄			3.31	254.83
+6½	℄ Pav		3.41	254.73
1/4			3.47	254.68
+5½	N Pav		3.60	254.55
+9			1.2	254.0
cb			3.6	254.6
+2			4.4	253.8
+8			6.4	251.8
N.L.			6.8	251.4
10 N			8.2	250.0

		258.15		
23+25				
10 N			8.5	249.7
7 N			7.0	251.2
2 N			6.0	252.2
N.L.			6.0	252.2
+4			6.0	252.2
cb			3.4	254.8
+1			4.0	254.2
+4½	N Pav		3 38	254.74
1/4			3 22	254.93
+3½	℄ Pav		3.11	255.04
℄			3 02	255.13
+2½	S Pav		2 99	255.16
+7			3.2	255.0
+8			3 2	255.0
1/4			4.7	253.5
+3			5 6	252.6
+8			6.4	251.8
cb			6.4	251.8
+2			6.1	252.1
+4			4.5	253.7
+6			4.2	254.0
S.L.			4.5	253.7
+5			4.1	254.1
+10			4.2	254.0

258.15

23+50				
10 S			2.6	255.6
S.L.			3.4	254.8
+6			4.1	254.1
+9			5.4	252.8
cb			6.0	252.2
+5			6.0	252.2
+8			5.5	252.7
1/4			4.9	253.3
+3			3.2	255.0
+7.5	S Pav		2.81	255.34
℄			2.83	255.32
+6.5	℄ Pav		2.88	255.27
1/4			2.95	255.20
+5.5	N Pav		3.07	255.08
+9			3.8	254.4
cb			3.2	255.0
+2			3.2	255.0
+6			5.7	252.5
N.L.			6.3	251.9
+4			6.5	251.7
+8			8.1	250.1
+10			8.1	250.1

258.15

23+75				
10 N			8.1	250.1
8 N			7.8	250.4
4 N			6.4	251.8
N.L.			5.8	252.4
+4			5.5	252.7
+6			3.4	254.8
+9			2.8	255.4
cb			3.5	254.7
+4.5	N Pav		2.81	255.34
1/4			2.70	255.45
+3.5	℄ Pav		2.61	255.54
℄			2.51	255.64
+2.5	S Pav		2.49	255.66
+7			2.7	255.5
1/4			4.1	254.1
+4			5.6	252.6
cb			5.3	252.9
+1			5.3	252.9
+2			4.0	254.2
+5			3.1	255.1
S.L.			2.8	255.4
5's			2.5	255.7

		258.15		
24+00				
5'B			2.7	255.5
S.L.			2.8	255.4
+5			2.9	255.3
cb			4.5	253.7
+7			5.3	252.9
+9			5.1	253.1
1/4			4.2	254.0
+5			2.3	255.9
+7.9	S Pav		2.24	255.91
℄			2.25	255.90
+6.9	℄ Pav		2.37	255.78
1/4			2.46	255.69
+5.2	N Pav		2.59	255.56
cb			3.2	255.0
+1			2.7	255.5
+5			3.2	255.0
S.L.			5.7	252.5
3N			5.9	252.3
7N			7.7	250.5
10N			7.7	250.5

24+25		258.15		
10N			7.8	250.4
7N			7.5	250.7
2N			5.4	252.8
NL			4.0	254.2
+5			2.7	255.5
+8			2.4	255.8
cb			2.9	255.3
+4	N Pav.		2.34	255.81
1/4			2.15	256.00
+3	℄ Pav		2.10	256.05
℄			2.01	256.14
+2	S Pav		1.98	256.17
+5			2.2	256.0
1/4			4.6	253.6
cb			4.4	253.8
+3			2.6	255.6
+5			2.1	256.1
S.L.			2.3	255.9
T.P. H5	10.39	266.66	1.88	256.27

		266.66		
24+75				
SL			9.2	257.5
+7			9.4	257.3
+9			10.5	256.2
cb			10.8	255.9
+1			11.0	255.7
+5			11.1	255.6
1/4			10.3	256.4
+4			10.1	256.6
+5			10.4	256.3
+85	S PaV		9.95	256.71
℄			9.97	256.69
+75	℄ PaV		10.12	256.54
1/4			10.16	256.50
+65	N PaV		10.31	256.35
cb			10.9	255.8
+2			10.4	256.3
+5			10.8	255.9
NL			12.5	254.2
4N			13.0	253.7
8N			14.5	252.2
10N			15.2	251.5

		266.66		
25+00				
10N			14.9	251.8
8N			14.9	251.8
5N			13.1	253.6
NL			12.4	254.3
+4			10.4	256.3
+7			10.2	256.5
+9			10.7	256.0
cb			10.6	256.1
+32	N PaV		10.07	256.59
1/4			9.95	256.71
+22	℄ PaV		9.90	256.76
℄			9.73	256.93
+12	S PaV		9.71	256.95
+5			10.2	256.5
+6			10.0	256.7
1/4			10.9	255.8
+7			11.0	255.7
cb			10.7	256.0
+5			8.1	258.6
SL			7.9	258.8

25+25		266.66		
S.L.			7.3	259.4
+8			7.4	259.3
cb			9.4	257.3
+2			10.1	256.6
1/4			10.0	256.7
+4			9.8	256.9
+5			10.1	256.6
+9	S Pav		9.43	257.23
℄			9.42	257.24
+8 ℄	℄ Pav		9.64	257.02
1/4			9.65	257.01
+1 ℄	N Pav		9.80	256.86
cb			10.3	256.4
+2			10.6	256.1
+3			9.8	256.9
+7			10.2	256.4
N.L.			10.7	255.8
5N			13.2	253.5
8N			15.3	251.4
10N			13.3	253.4

25+75		266.66		
12N			14.4	252.3
10N			12.6	254.1
3N			10.0	256.7
N.L.			10.0	256.7
+7			9.2	257.5
+9			10.0	256.7
cb			9.71	256.0
+2 5	N Pav		9.30	257.36
1/4			9.17	257.49
+1 5	℄ Pav		9.14	257.52
℄			8.98	257.68
+0 5	S Pav		8.98	257.68
+4			9.3	257.4
+6			8.3	258.4
+8			8.7	258.0
1/4			8.6	258.1
+5			7.9	258.8
cb			7.2	259.5
S.L.			6.0	260.7

26+25		266.66		
S.L			3.2	263.5
+1			3.4	263.3
C.L			4.5	262.2
+2			5.3	261.4
+5			5.9	260.8
1/4			6.7	260.0
+4			7.5	259.2
+6			8.5	258.2
℄	S PaV		8.51	258.15
+9	℄ PaV		8.67	257.99
1/4		?	6.69	257.97
+8	N PaV		8.87	257.79
C.L			8.9	257.8
+3			9.1	257.6
+4			8.6	258.1
+5			9.0	257.7
N.L			9.3	257.4
+3			9.3	257.4
10N			11.8	254.9
13N			13.5	253.2

26+75		266.66		
13N			12.5	254.2
8N			11.5	255.2
4N			9.4	257.3
N.L			8.8	257.9
+6			8.3	258.4
+8			8.7	258.0
C.L			8.5	258.2
+1[2]	N PaV		8.45	258.21
1/4			8.23	258.43
+0[2]	℄ PaV		8.22	258.44
+9[5]	S PaV		8.10	258.56
℄			8.2	258.5
+4			8.5	258.2
+6			7.1	259.6
1/4			7.8	258.9
+6			7.0	259.7
+8			6.1	260.6
C.L			5.8	260.9
S.L			4.8	261.9

27+06 74 = E.C.		266.66	
S.L.		4.3	262.4
+5		4.5	262.2
cb		5.6	261.1
+2		5.8	260.9
+6		7.0	259.7
1/4		7.1	259.6
+6		7.8	258.9
+7		8.2	258.5
℄		7.9	258.8
+0 7	S Pav	7.77	258.89
+9 2	℄ Pav	7.86	258.80
1/4		7.86	258.80
+8 2	N Pav	8.03	258.63
cb		8.2	258.5
+3		8.5	258.2
+5		8.0	258.7
+9		8.2	258.5
N.L.		8.5	258.2
#N		9.1	257.6
6N		12.6	254.1
10N		13.5	253.2

27+50		266.66	
10N		12.9	253.8
6N		13.0	253.7
4N		11.6	255.1
N.L.		10.5	256.2
+2		8.3	258.3
+6		7.5	259.2
+7		8.0	258.7
cb		7.5	259.2
+1 2	N Pav	7.41	259.25
1/4		7.30	259.36
+0 2	℄ Pav	7.30	259.36
+9	S Pav	7.26	259.40
℄		7.5	259.2
+3		7.8	258.9
+6		7.2	259.5
1/4		6.9	259.8
+5		6.2	260.5
+8		4.8	261.9
cb		4.3	262.4
+5		2.9	263.8
S.L.		2.6	264.1

27+75		266.66		
SL			1.4	265.3
+5			1.9	264.8
cb			2.9	263.8
+4			3.8	262.9
+6			5.0	261.7
+9			5.1	261.6
1/4			5.5	261.2
+4			7.2	259.5
+6			7.1	259.6
+7			7.5	259.2
℄			7.2	259.5
+1	S Pav		7.02	259.64
1/4	℄ Pav		7.05	259.61
+9	N Pav		7.19	259.47
cb			7.5	259.2
+3			7.9	258.8
+4			7.4	259.3
+8			7.8	258.9
N.L.			10.5	256.2
2N			11.4	255.3
+3N			12.7	254.0
10N			12.5	254.2

28+00		266.66		
10N			11.7	255.0
8N			12.9	253.8
5N			13.1	253.6
N.L.			10.0	256.7
+5			6.7	260.0
+8			6.7	260.0
+8			7.1	259.6
cb			7.0	259.7
+1½	N Pav		6.96	259.70
1/4			6.86	259.80
+0½	℄ Pav		6.86	259.80
+8⅝	S Pav		6.84	259.82
℄			7.0	259.7
+2			7.3	259.4
+4			6.9	259.8
1/4			6.5	260.2
+5			5.1	261.6
+7			3.7	263.0
cb			3.0	263.7
SL			1.3	265.4

28+25		266.66		
SL			1.2	265.5
Cb			3.3	263.4
+3			3.5	263.2
+5			5.5	261.2
¼			6.0	260.7
+4			6.8	259.9
+7			7.2	259.5
℄			6.8	259.9
+0⅛	S PaV		6.66	260.00
+9⅛	℄ PaV		6.64	260.02
¼			6.64	260.02
+8⅛	N PaV		6.79	259.87
Cb			6.8	259.9
+1			6.9	259.8
+2			6.4	260.3
+5			6.3	260.4
NL			9.5	257.2
+4			11.8	254.9
+10			12.7	254.0

28+50		266.66		
10N			11.2	255.5
4N			11.0	255.7
NL			8.1	258.6
+2			6.9	259.8
+5			6.5	260.2
+7			7.0	259.7
Cb			6.7	260.0
+1⅛	N PaV		6.50	260.16
+9⅛	℄ PaV		6.41	260.25
¼			6.41	260.25
+8⅛	S PaV		6.45	260.21
℄			6.7	260.0
+3			6.9	259.8
+4			6.5	260.2
+7			6.9	259.8
¼			6.6	260.1
+6			3.8	262.9
Cb			2.8	263.9
SL			0.9	265.8

28+75	266.66			
S.L			4.4	262.3
+3			4.2	262.5
+5			4.9	261.8
Cb			5.7	261.0
+8			6.2	260.5
¼			7.0	259.7
+3			6.5	260.2
+5			6.3	260.4
+7			6.8	259.9
℄			6.5	260.2
+0⅝	S PaV		6.44	260.22
+9⅝	℄ PaV		6.28	260.38
¼			6.28	260.38
+8⅝	N PaV		6.34	260.32
Cb			6.6	260.1
+3			6.9	259.8
+4			6.3	260.4
+7			6.4	260.3
N.L.			7.9	258.8
3N			9.3	257.4
7N			11.2	255.5
10N			11.2	255.5

29+00	266.66			
10N			10.6	256.1
7N			10.4	256.3
5N			9.0	257.7
NL			8.4	258.3
+7			6.4	260.3
+8			6.7	260.0
Cb			6.4	260.3
+1⅜	N PaV		6.18	260.48
¼			6.09	260.57
+0¼	℄ PaV		6.09	260.57
+8¼	S PaV		6.16	260.50
℄			6.3	260.4
+3			6.6	260.1
+4			6.2	260.5
¼			6.7	260.0
Cb			5.8	260.9
+5			5.5	261.2
S.L.			5.4	261.3

29+25	266.66			
S.L.			6.4	260.3
+5			6.7	260.0
cb			6.7	260.0
+5			6.7	260.0
¼			6.4	260.3
+5			5.9	260.8
+7			6.3	260.4
℄			6.1	260.6
+0⅛	S Pav		6.06	260.60
+9⅛	℄ Pav		5.96	260.70
¼			5.96	260.70
+8⅝	N Pav		6.04	260.62
cb			6.2	260.5
+3			6.4	260.3
+4			5.9	260.8
+9			6.0	260.7
N.L.			6.5	260.2
+7N			9.2	257.5
10N			10.0	256.7

29+75	266.66			
11N			10.4	256.3
10N			8.5	258.2
5N			7.0	259.7
N.L.			6.0	260.7
+6			5.5	261.2
+7			6.0	260.7
cb			5.8	260.9
+1⅜	N Pav		5.63	261.03
¼			5.59	261.07
+0⅜	℄ Pav		5.59	261.07
+9⅜	S Pav		5.67	260.99
℄			5.8	260.9
+3			6.0	260.7
+4			5.6	261.1
+7			6.0	260.7
¼			5.7	261.0
cb			5.7	261.0
+5			5.8	260.9
S.L.			5.4	261.3

		266.66		
30+00				
S.L			4.6	262.1
+3			4.7	262.0
cb			5.7	261.0
1/4			6.1	260.6
+6			5.6	261.1
+7			5.8	260.9
℄			5.6	261.1
+10	S Pav		5.42	261.24
1/4	℄ Pav		5.39	261.27
+9	N Pav		5.46	261.20
cb			5.6	261.1
+2			5.8	260.9
+3			5.2	261.5
N.L			5.7	261.0
6N			6.2	260.5
8N			8.8	257.9
10N			9.6	257.1

		266.66		
30+50				
10N			9.0	257.7
8N			8.3	258.4
4N			6.9	259.8
2N			5.2	261.5
N.L.			5.1	261.6
+7			4.5	262.2
+9			5.1	261.6
cb			5.1	261.6
+1	N. Pav		5.07	261.59
1/4	℄ Pav		4.99	261.67
+9	S Pav		5.07	261.6
℄			5.3	261.4
+3			5.6	261.1
+4			5.0	261.7
1/4			5.2	261.5
cb			5.2	261.5
+8			4.9	261.6
S.L			4.9	261.6

		26666		
31+00				
5.L.			4.9	261.8
cb			5.1	261.6
+6			4.5	262.2
1/4			4.6	262.1
+3			4.4	262.3
+6			4.6	262.1
+7			5.0	261.7
℄			4.9	261.8
+1	S Pav		4.69	261.99
1/4	℄ Pav		4.63	262.03
+9	N Pav		4.59	262.07
cb			4.6	262.1
+2			4.6	262.1
+4			3.9	262.6
+8			4.2	262.5
NL.			7.1	259.6
10N			8.3	258.4

		266.66		
31+50				
10N			7.3	259.4
NL			8.0	258.7
+1			8.0	258.7
+2			3.7	263.0
+7			3.5	263.2
+8			4.2	262.5
cb			4.1	262.6
+1	N Pav		4.03	262.63
1/4	℄ Pav		4.07	262.59
+9	S Pav		4.13	262.53
℄			4.3	262.4
+3			4.7	262.0
+4			4.1	262.6
1/4			4.3	262.4
+5			3.4	263.3
cb			3.1	263.6
+5			2.3	264.4
S.L.			2.2	264.5

32+00		266.66		
S.L.			1.0	265.7
cb			1.7	265.0
+7			1.5	265.2
1/4			2.3	264.4
+3			3.3	263.4
+6			3.1	263.6
+7			3.9	262.8
℄			3.6	263.1
+1	S Pav		3.46	263.20
1/4	℄ Pav		3.36	263.30
+9	N Pav		3.46	263.20
cb			3.5	263.2
+3			3.7	263.0
+5			2.6	264.1
+7			3.0	263.7
+8			6.3	260.4
NL			6.7	260.0
10N			7.1	259.6
T.P. #6	8.77	273.84	1.59	265.07

32+50		273.84		
10N			12.6	261.2
3N			13.9	259.9
N.L.			12.5	261.3
+2			9.1	264.7
+6			9.1	264.7
+8			9.9	263.9
cb			10.0	263.8
+1	N Pav		9.95	263.89
1/4	℄ Pav		9.95	263.89
+9	S Pav		10.04	263.80
℄			10.2	263.6
+2			10.2	263.6
+4			9.4	264.4
1/4			8.1	265.7
+4			7.5	266.3
cb			7.8	266.0
+6			8.0	265.8
S.L.			7.9	265.9

273.84

33+00				
S.L.			6.9	266.9
+5			6.8	267.0
cb			6.9	266.9
+5			6.8	267.0
+7			7.2	266.6
¼			7.2	266.9
+4			8.7	265.1
+6			9.0	264.8
+8			9.9	263.9
℄			9.6	264.2
+1	S Pav		9.41	264.43
¼	℄ Pav		9.39	264.45
+9	N Pav		9.39	264.45
cb			9.5	264.3
+3			9.5	264.3
+5			8.6	265.2
N.L.			9.0	264.8
HN			12.0	261.8
10 N			12.5	261.3

273.84

33+25				
10N			11.0	262.8
4N			10.1	263.7
N.L.			8.8	265.0
+5			8.3	265.5
+7			9.4	264.4
cb			9.2	264.6
+1	N Pav		9.08	264.76
¼	℄ Pav		9.06	264.78
+9	S Pav		9.08	264.76
℄			9.3	264.5
+3			9.7	264.1
+4			8.8	265.0
+7			8.6	265.2
+9			7.7	266.1
¼			7.6	266.2
+5			6.9	266.9
cb			6.9	266.9
+5			6.7	267.1
S.L.			6.0	267.8

273.84

33+75

S.L		4.2	269.6
+5		5.0	268.8
cb		5.1	268.7
1/4		5.9	267.9
+5		8.2	265.6
+6		8.3	265.5
+7		9.3	264.5
℄		8.7	265.1
+1	S PaV	8.45	265.39
1/4	℄ PaV	8.38	26546
+9	N PaV	8.45	265.39
cb		8.7	265.1
+4		9.1	264.7
+6		7.6	266.2
+9		7.3	266.5
N.L.		7.7	266.1
+7N		9.5	264.3
10N		9.1	264.7

Imperial

273.84

34+00

10N		8.6	265.2
N.L		7.3	266.5
+4		7.2	266.6
+5		7.5	266.3
+6		8.9	264.9
cb		8.3	265.5
+0½	N PaV	8.14	265.70
+9½	℄ PaV	8.08	265.76
1/4		8.09	265.75
+8½	S PaV	8.11	265.73
℄		8.4	265.4
+3		9.0	264.8
+4		7.9	265.9
+6		7.5	266.3
1/4		5.0	268.8
+6		4.5	269.3
cb		4.5	269.3
S.L		3.5	270.3

273.84

34+25

S.L.		3.2	270.6
Cb		4.1	269.7
+5		4.1	269.7
1/4		4.8	269.0
+1		4.8	269.0
+6		7.6	266.2
+7		8.8	265.0
℄		8.1	265.6
+1	S Pav.	7.76	266.08
1/4	℄ Pav.	7.77	266.07
+9	N Pav.	7.88	265.96
+4		8.7	265.1
+5		7.4	266.4
+8		7.0	266.8
NL		7.5	266.3
2N		7.9	265.9
10N		9.0	264.8

273.84

34+50

10N		8.5	265.3
6N		8.6	265.2
NL		7.5	266.3
+5		7.0	266.8
+6		7.3	266.5
+7		8.3	265.5
Cb		7.8	266.0
+1	N Pav.	7.60	266.24
1/4	℄ Pav.	7.51	266.33
+9	S Pav.	7.52	266.32
℄		7.8	266.0
+3		8.4	265.4
+4		7.5	266.3
+5		7.2	266.6
+9		5.3	268.5
1/4		5.2	268.6
Cb		4.6	269.2
+5		4.4	269.4
S.L.		3.9	269.9

		273.84		
35+00				
S.L.			3.6	270.2
cb			4.2	269.6
+5			4.4	269.4
1/4			5.0	268.8
+4			6.8	267.0
+6			7.0	266.8
+7			7.8	266.0
℄			7.3	266.5
+1	S Pav.		6.95	266.89
1/4	℄ Pav		6.92	26692
+9	N Pav		6.93	266.91
cb			7.2	266.6
+4			7.8	266.0
+5			6.4	267.4
+8			6.2	267.6
N.L.			6.7	267.1
+8N			8.0	265.8
+9N			11.1	262.7
10N			10 8	263.0

		273.84		
35+50				
10N			10.1	263.7
6N			9.8	264.0
2N			8 3	265.5
N.L.			6.5	267.3
+5			6.1	267.7
+6			6.8	267.0
cb			6.4	267.4
+1	N Pav		6.31	267.53
1/4	℄ Pav		6.29	267.55
+9	S Pav		6.30	267.54
℄			6.4	267.4
+3			7.0	266.8
+5			5.9	267.9
+8			3.1	270.7
1/4			3.0	270.8
+5			2.4	271.4
cb			2.3	271.5
S.L.			1.6	272.2

273.84

35+82

S.L.		0.4	273.4
+8		1.0	272.8
Cb		1.6	272.2
1/4		1.9	271.9
+3		2.6	271.2
+5		5.2	268.6
+7		6.4	267.4
℄		6.0	267.8
+1	S Pav	5.87	267.97
1/4	℄ Pav	5.87	267.97
+9	N Pav	5.86	267.98
Cb		6.0	267.8
+3		6.4	267.4
+5		5.3	268.5
N.L.		6.0	267.3
+4N		6.7	267.1
6N		10.3	263.5
10N		9.8	264.0

273.84

35+91

10N		9.9	263.9
6N		10.0	263.8
3N		8.7	265.1
2N		6.1	267.7
N.L.		6.1	267.7
+5		5.6	268.2
+6		6.4	267.4
Cb		5.9	267.9
+1	N Pav	5.79	268.05
1/4	℄ Pav	5.82	268.02
+9	S Pav	5.83	268.01
℄		6.1	267.7
+3		6.3	267.5
+4		5.5	268.3
+5		5.1	268.7
1/4		5.3	268.5
+7		4.8	269.0
Cb		4.1	269.7
S.L.		1.6	272.2

273.84

36+00			
S.L.		3.7	269.1
cb		4.6	269.2
1/1		4.9	268.9
+6		5.1	268.7
+7		6.1	267.7
℄		5.8	268.0
+15	S PaV	5.73	268.11
1/4	℄ PaV	5.72	268.12
+85	N PaV	5.66	268.18
+6		5.8	268.0
+4		6.2	267.6
+5		5.3	268.5
N.L.		6.1	267.7
2N		6.5	267.3
3N		8.8	265.0
10N		9.5	264.3

Houston Isbell Morgan

Oct 17-28

273.84

36+16.88 = Ctylinecon North.			
10N		9.5	264.3
1N		8.9	264.9
N.L.		6.0	267.8
+5		5.3	268.5
+6		6.1	267.7
cb		5.5	268.3
+03	N PaV	5.40	268.44
+93	℄ PaV	5.45	268.39
1/4		5.48	268.36
+84	S PaV	5.51	268.33
℄		5.7	268.1
+2		5.9	267.9
+5		4.9	268.9
1/4		4.6	269.2
cb		4.1	269.7
44		4.0	269.8
+8		3.4	270.4
S.L.		3.3	270.5

Imperial.

273.84

Secon City line 36+60.5 on South

S.L.			1.5	272.3
eb			2.6	271.2
+8			3.6	270.2
1/4			4.2	269.6
+7			4.7	269.1
+8			5.4	268.4
℄			5.3	268.5
+3	S Pav		5.1	268.7
℄	℄ Pav		5.11	268.73
+9	N Pav		5.28	268.56
eb			5.4	268.4
+4			6.0	267.8
+6			5.2	268.6
N.L.			6.0	267.8
BM			5.36	268.48 ✓
T.P.	2.37	266.01	10 20	263.64
T.P.	2 30	261 .70	6 61	259 40 ✓

Culvert at 29+25 (12" Armco.)

F.L. S end			2.65	259.05
F.L. N end			4.40	257.30
T.P.	1.82	254.81 ✓	8.71	252 99 ✓
T.P	0.88	244.39 ✓	11.40	243 41 ✓
T.P.	1.72	234.42 ✓	11 69	232.70 ✓
B.M	Pole #70+69		3.28	231.14 ✓ (231.07)

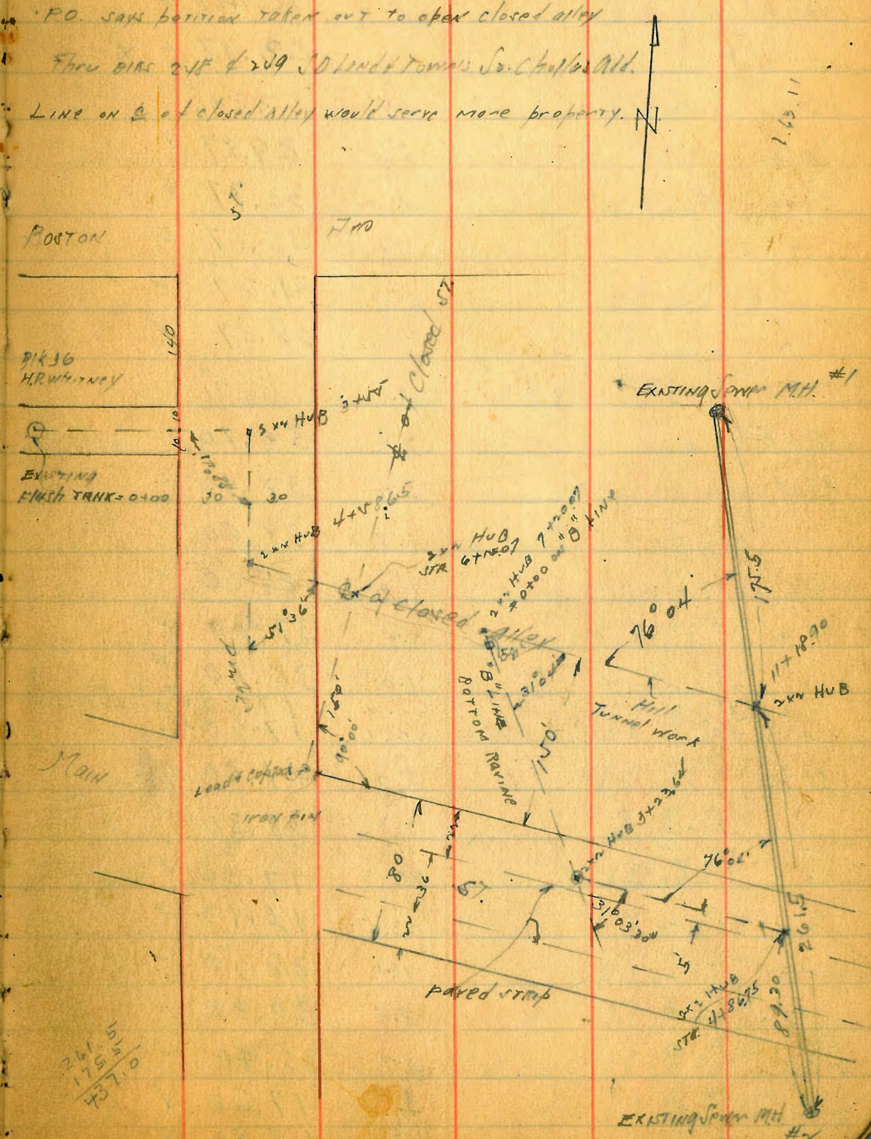
12/15/28 Sewer Levels thru Blk 36 H.P. Whitney
Moore & Blks 248 & 249 S.O.L & T's South Chollas Sub.

S.W. Mon.	6.14	44.73 ✓		38.59	Main & 32nd St.
T.P.	11.26	51.95 ✓	4.02	40.69 ✓	
Ex. Flush Tank = 0+00 MH Rim			0.76	51.19	✓
Bottom Tank	"		5.40	46.55	✓
ground	"		2.4	49.55	✓
0+50			4.8	47.15	✓
1			7.9	44.05	✓
+50			11.8	40.15	✓
2			16.5	35.45	✓
+10			17.2	34.75	✓
+20			15.3	36.65	✓
+60			11.2	40.75	✓
3			10.7	41.25	✓
+25 = WL 32nd			11.4	40.55	✓
3+55 = ℄ " Δ 91°19' Rt			12.0	39.95	✓
T.P.	0.32	41.11 ✓	11.16	40.79 ✓	
4+58.65 = Δ 51°36' Lt			1.5	39.61	✓
5			2.4	38.71	✓
+23			13.9	27.21	✓
T.P.	0.90	29.70 ✓	12.31	28.80 ✓	
+70			11.0	18.7	✓
6			11.6	18.1	✓
+50			14.2	15.5	✓
T.P.	8.19	25.07	12.82	16.88	
7			11.2	13.87	✓
7+20.07 = Beginning of "B" Line			11.84	13.23	✓ ON HUB
+35 Eucalyptus Tree on line 8" diam			11.9	13.17	✓

℄ 32nd St

Existing M.H. Rim ℄ alley between Boston & Newton is 2' below top rails
" " " " " Newton & National " 3' " " "

P.O. says petition taken out to open closed alley
Thru Blks 248 & 249 S.O. Land & Towns So. Chollas Add.
Line on ℄ of closed alley would serve more property.



		24.07			
7+57 Eucalyptus tree on line			11.6	13.47	14" diam
8			10.6	14.47	
+20			8.6	16.47	
+50			1.6	25.47	X
T.P.	12.41	36.87	0.41	36.46	
+80			7.0	29.87	
9+00			4.1	32.77	
" 30' North			1.N	35.67	
" 50' South			15.0	21.87	
+20			1.6	35.27	
T.P.	2.89	39.60	0.16	36.71	
9+50			2.9	36.70	
9+69			2.4	37.40	
" 20' North			1.0	38.60	
" 50' South			11.0	28.60	
9+74			2.N	37.40	
" 20' North			1.0	38.60	
" 3' South			21.0	17.60	= Cor of Excavation
" 50' South			21.6	17.00	
9+90			8.0	31.60	
" 1' North			1.3	38.30	
" 20' "			1.3	38.30	
" 3' South			21.3	17.30	
" 50' "			23.5	14.10	
10+00			11.1	28.50	
" 2' North			8.6	30.80	
" 20' "			6.N	33.40	
" 3' South			21.4	17.20	
50' "			23.8	15.80	

		39.60			
10+19			14.9	24.70	
" 1" North			13.9	25.7	
" 15' "			13.0	26.6	
" 3' South			23.0	16.6	
" 50' "			23.8	15.8	
T.P.	0.60	27.54	12.66	26.94	
10+23	Floor of Excavation		13.0	14.54	
T.P.	0.07	14.87	1.74	14.80	
10+50			1.N	13.67	
11			3.3	11.57	
11+18.90	on Hub B = line of Ex. Sewer		5.8	9.07	(-3.24)
Ex. M.H. #1	Flowline		17.90	-3.03	
			Heare check FL. grade		
	"B" Line Sewer = canon line				
7+20.07 = 0+00	8.9N	22.15		13.23	ontue
0+60			10.N	11.95	
1			8.9	13.25	
1+14			11.1	11.05	
1+50			11.8	10.35	
N			12.2	9.95	
+50			11.4	10.75	
2+65			5.1	17.05	
3			4.8	17.35	
3+23.64 = Δ LT			4.9	17.25	
" " 5' South = N edge paving			5.20	16.95	
4+00			8.N	13.95	

2.15

4+75			11.6	10.55 ✓	
T.P.	2.42	13.48 ✓	11.09	11.06 ✓	
4+86.75 = Line of Ex. Sewer			5.29	8.19 ✓	(-3.45) on Hub
Ex. Sewer M.H. #2		Flowline	17.03	-3.55 ✓	

Please check FL grade

12/14/28 12:00 Noon Main Sewer flowing full capacity.
Water 2.5' above flowline in M.H.

90' Wide
14' cbs
13' 1/4 8

F. St. X Sec. 26th to 27th.

3-7-29
Miller
170.19 NW 27th & F

BM.	12.37	190.49		178.12	N.W. 26th & F. St.
		00 = E. Line 26th St.			
N.			9.3	181.2	
N. cmt. cb			11.43	179.06	
gutter pavm't			12.21	178.28	
1/4 "			12.06	178.43	
c "			12.10	178.39	
1/4 "			12.33	178.16	
gutter "			12.89	177.60	
S. cmt. cb			12.35	178.14	
S			12.03	178.46	
		3' E			
S			8.4	182.1	
+5			9.0		
+7			6.0		
cb			5.6		
1/4			5.8		
+6			10.0		
c			10.6	179.9	
+9			10.4		
1/4			5.4		
cb			4.9		
N			4.8	185.7	
		8' E.			
N.			4.8	185.7	
cb			4.6		

Plotted 3/14-29 CBH

		190.49			
1/4				4.6	
+2				4.6	
+3				9.2	
c				9.5	181.0
+6				9.3	
+8				5.7	
1/4				5.4	
cb				5.4	
S				6.2	184.3
		30' E.			
S				4.9	185.6
cb				4.3	
1/4				4.4	
+8				4.6	
+9				5.4	
c				5.6	184.9
+5				5.1	
+8				3.7	
1/4				3.1	
cb				3.7	
N				3.4	187.1
		45' E.			
N				2.9	187.6
cb				3.0	
1/4				2.9	
c				4.0	186.5

		190.49							
		45'. E. (corn)							
1/4			4.0						
eb			4.3						
S			4.4	186.1					
		70'. E							
S			4.2	186.3					
eb			3.7						
1/4			3.6						
C			3.7	186.8					
1/4			3.6						
eb			3.5						
N			3.1	187.4					
		90'. E							
N			4.0	185.5					
eb			3.9						
1/4			4.1						
C			4.3	186.2					
1/4			4.1						
eb			4.2						
S			4.3	186.2					
		105'. E.							
S			5.1	185.4					
eb			5.0						
1/4			5.3						
C			6.0	184.5					
1/4			5.7						
eb			6.0						
N			6.5	184.0					

		190.49						F. St.	
		132' E							67
N			11.1	179.4					
eb			10.6						
1/4			10.3						
C			10.2	180.3					
1/4			10.5						
eb			9.7						
S			8.8	181.7					
		142'. E.							
S			11.7	178.8					
eb			11.8						
1/4			11.8						
T.P.	0.97	179.59	11.87	178.62					
C			1.3	178.3					
1/4			2.3						
+6			2.9						
eb			1.8						
N			2.1	177.5					
		146'. E							
N			4.8	174.8					
eb			4.2						
1/4			3.3						
C			2.4	177.2					
1/4			1.1						
eb			1.2						
S			1.4	178.2					

		179.59		
		154'E.		
S			1.5	178.1
cl			2.0	
1/4			3.2	
C			4.1	175.5
1/4			4.9	
cl			5.1	
N			5.6	174.6
		167'E.		
N-5			8.1	
N			8.1	171.5
cl			8.1	
1/4			8.1	
C			7.6	172.0
1/4			7.4	
cl			7.0	
S			6.7	172.9
+5			6.7	
		190'E.		
-5			11.6	
S			11.7	167.9
cl			12.2	
1/4			12.6	
C			12.8	166.8
1/4			12.6	
cl			12.2	
N			13.1	166.5
+5			13.0	

		179.59		
		210'E.		
-5			16.0	
N.			16.0	163.6
T.P.	0.27	167.09	12.77	166.82
cl			4.2	
1/4			3.8	
C			3.3	163.8
1/4			2.7	
cl			2.7	
S			3.0	164.1
+5			2.6	
		220'E.		
-5			5.1	
S			4.9	162.2
+8			3.8	
cl			5.3	
1/4			5.9	
C			5.8	161.3
1/4			6.2	
cl			6.2	
N			6.4	160.7
+5			6.4	
		235'E		
-5			7.7	
N			7.6	159.5
cl			8.1	
1/4			8.0	

		167.09		
		235' E. Con		
C			8.0	159.1
1/4			7.9	
Cb			7.6	
S			7.6	159.5
+5			7.6	
		250' E		
S.			9.4	157.7
Cb			9.4	
1/4			9.1	
C			9.3	157.8
1/4			10.2	
Cb			11.1	
N			10.7	156.4
		262' E.		
N.			14.5	152.6
Cb			14.3	
1/4			13.2	
C			12.1	155.0
1/4			11.1	
Cb			11.3	
S			11.5	155.6
T.P.	0.30	154.85	12.54	154.55
		283' E.		
S			4.5	150.3
Cb			3.6	151.3
1/4			5.2	149.5

		154.85		
C			6.2	148.7
1/4			6.9	
Cb.			8.1	
N.			7.5	147.4
		305' E		
- 5			13.1	
N			13.0	141.9
Cb			13.5	
1/4			12.8	
C			12.6	142.3
1/4			12.2	
Cb			11.6	
S			11.7	143.2
+5			11.5	
T.P.	0.95	142.75	13.05	141.80
		320' E.		
- 10			3.0	
S			3.0	139.7
Cb			3.7	
1/4			3.9	
C			3.7	139.1
1/4			4.9	
Cb			4.8	
N			4.5	138.3
+10			4.3	

		142.75 345.8				142.75			
-15			9.4		el		15.3		
N			9.8	133.0	S		15.8	127.0	
el			10.1		+30		17.3		
1/4			10.1			391'E 2 Bottom Ditch Location for Culvert			
C			9.9	132.9	-30		17.3		
1/4			9.6		S		16.0	126.8	
el			9.1		el		16.3		
S			8.5	134.3	1/4		15.9		
+15			8.9		C		15.7	127.1	
		365'E			1/4		15.3		
-20			13.5		el		15.3		
S			13.1	129.7	N		15.3	127.5	
el			13.8		+30		15.3		
1/4			13.7			193'E			
C			13.3	129.5	-30		13.3		
1/4			12.5		N		13.7	129.1	
el			12.1		el		14.0		
N			12.1	130.7	1/4		14.4		
+20			11.9		C		14.5	128.3	
		389'E			1/4		14.4		
-30			12.9		el		15.1		
N			13.4	129.3	S		16.0	126.8	
el			13.7		+30		17.3		
1.4			14.1						
C			14.4	128.4					
1/4			14.7						

		142.75					142.75		
		408' E.							
-30			17.6			1.4		9.5	
S			16.0	126.8		el		8.4	
el			16.0			N.		7.6	135.2
1/4			15.7			+0.5 dirt		7.6	
C			15.2	127.6		+0.5 porch floor		6.1	136.7
1/4			14.5				452' E		
el			14.0			-10		5.9	
N			13.2	129.6		N		6.5	136.3
+20			12.4			el		6.5	
		427' E.				1/4		6.9	
N-0.5 front of porch			6.2	✓1366 floor Porch		C		7.7	135.1
N-0.5 " " "			10.6	1322 ground		1/4		8.2	
N			10.6	1322		el		8.6	
el			12.0			S		9.4	133.4
1/4			12.9			+15		10.0	
C			12.5	130.3			465' E		
1/4			12.0			S-6.= Front of House		7.7	135.1 ✓
el			12.4			S		7.7	135.1
S			13.2	129.6		el		6.6	
+20			14.4			1/4		4.7	
		440' E				C		4.1	138.7
-20			11.9			1/4		3.9	
S			11.4	131.4		el		2.9	
el			10.7			+8		2.6	
1/4			10.1			+10		1.4	
C			9.8	133.0		N.		1.3	141.5
						+15		0.6	

		142.75					155.50		
T.P.	42.75	155.50	0.00	142.75	Nail Pole		490' E		
		470' E				-10		7.8	
-15			12.7			N		7.8	147.7
N			13.3	142.2		clr		7.8	
clr			14.6			1/4		7.8	
1/4			14.9			C		8.8	146.7
C			15.3	140.2		1/4		9.2	
+7			15.0			+5		9.5	
1/4			15.8			+7		10.5	
clr			17.0			clr		10.3	
S			17.0	138.5		+7		9.9	
+6 = Front of House		ground	17.2			S		11.6	143.9
" " " " "		floor	13.8	141.7 ✓		+10		12.6	
		480' E.					500' E.		
-10 E. side House			14.0			-10		9.7	
S			14.0	141.5		S		8.5	147.0
clr			13.6			+12		8.1	
+7			12.1			clr		6.2	
1/4			12.7			1/4		6.2	
+8			13.2			C		6.2	149.3
C			11.7	143.8		1/4		5.5	
1/4			11.3			clr		4.9	
clr			10.6			N		5.3	150.2
N			10.6	144.9		+10		5.5	
+10			10.4						

		155.50		
		518'E.		
-10	Bottom cobble wall	1.4		
N	" " "	1.0	154.5	
cb		0.5		
1/4		0.5		
C		1.7	153.8	
1/4		2.2		
cb		3.8		
S		4.6	150.9	
+10		5.5		
		520'E		
-10		5.0		
S		4.1	151.4	
cb		3.4		
1/4		2.0		
C		1.2	154.3	
T.P.	11.54	166.87	0.17	155.33
1/4			11.0	
cb			11.2	
+9.5			11.1	
+10. Top cobble wall			8.8	158.0 ✓
N "	" "		8.8	158.0
+10 "	" "		8.8	
		530'E		
N			8.2	158.7
cb			8.3	
1/4			7.7	

	166.87		
C		9.4	157.5
1/4		11.0	
cb		12.1	
S		13.7	153.2
+10		14.8	
	536'E.		
-10		11.7	
S		10.8	156.1
cb		10.5	
1/4		9.4	
C		8.3	158.6
1/4		7.3	
cb		7.3	
N		8.0	158.9
	538'E		
N. on ℄ cmt. walk to House		7.2	159.7 ✓
1'0"S. of N. Line = S. edge cmt walk From Here to 29th St.		7.0	159.9
	545'E		
N		6.2	160.7
+10's. edge + 2.5 cmt. walk		6.0	160.9
cb		6.5	
1/4		6.6	
C		7.5	159.4
1/4		7.7	
cb		8.7	
S		9.4	157.3
+10		11.3	

166.87

560.9 = garage on S. dirt floor 2.' Back

S-2			7.2	159.7	✓ floor
S			7.2	159.7	
el			6.4		
1/4			5.7		
C			4.7	162.2	
1/4			3.9		
el			3.4		
+3.7 S. edge	emt walk		3.25	163.62	
N			3.0	163.9	
T.P.	7.86	173.48	1.25	165.62	
		585' E.			
N			5.2	168.3	
1/2 S. edge	2.5 emt. walk		5.7	167.8	
el			5.8		
1/4			6.3		
C			6.8	166.7	
1/4			6.3		
el			6.8		
S			7.3	166.2	
		597' E			
S			5.6	167.9	
el			5.2		
1/4			4.9		
C			4.6	167.9	
1/4			4.2		
el			4.0		

173.48

F. St.

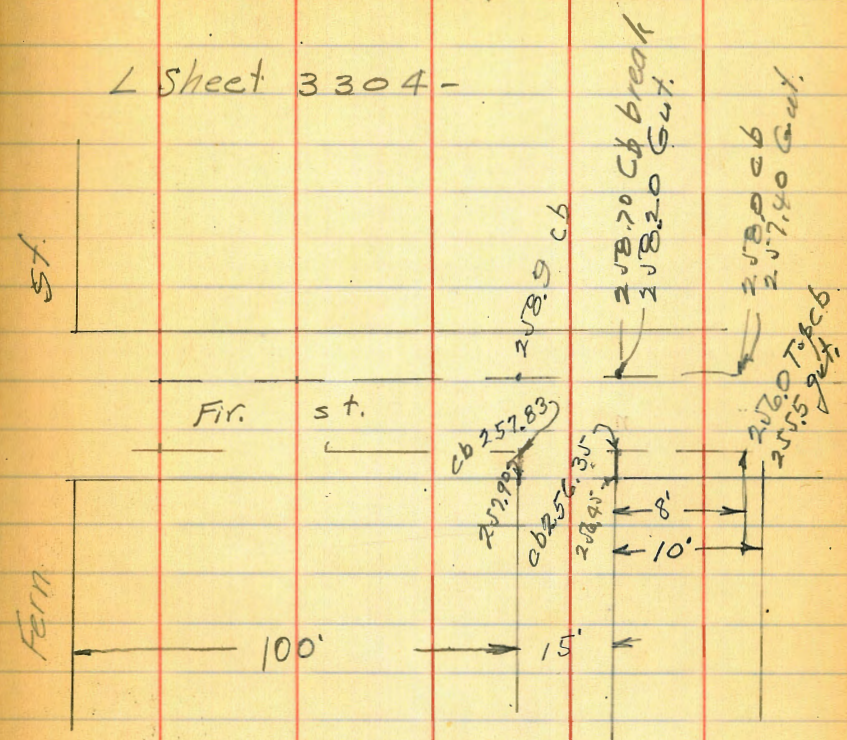
74

+3. = S. edge	2.5 emt. walk	3.8	169.7
N.		3.9	169.6
	600' E = W. line 27th St.		
N		3.4	
+3.5 = N. edge	emt. Return	3.16	170.32
emt. el		3.34	170.14 ✓
gutter pavmt.		4.02	169.46
1/4 "		4.14	169.34
C "		4.50	168.98 ✓
1/4 "		5.05	178.43
gutter "		5.81	167.67
emt. el		5.31	168.17 ✓
S. on emt. walk Ret.		5.09	168.39 N.W. 27th & F
T.P. on BM		3.20	170.28 = 170.19

3/12- 1929-

In Grade Book

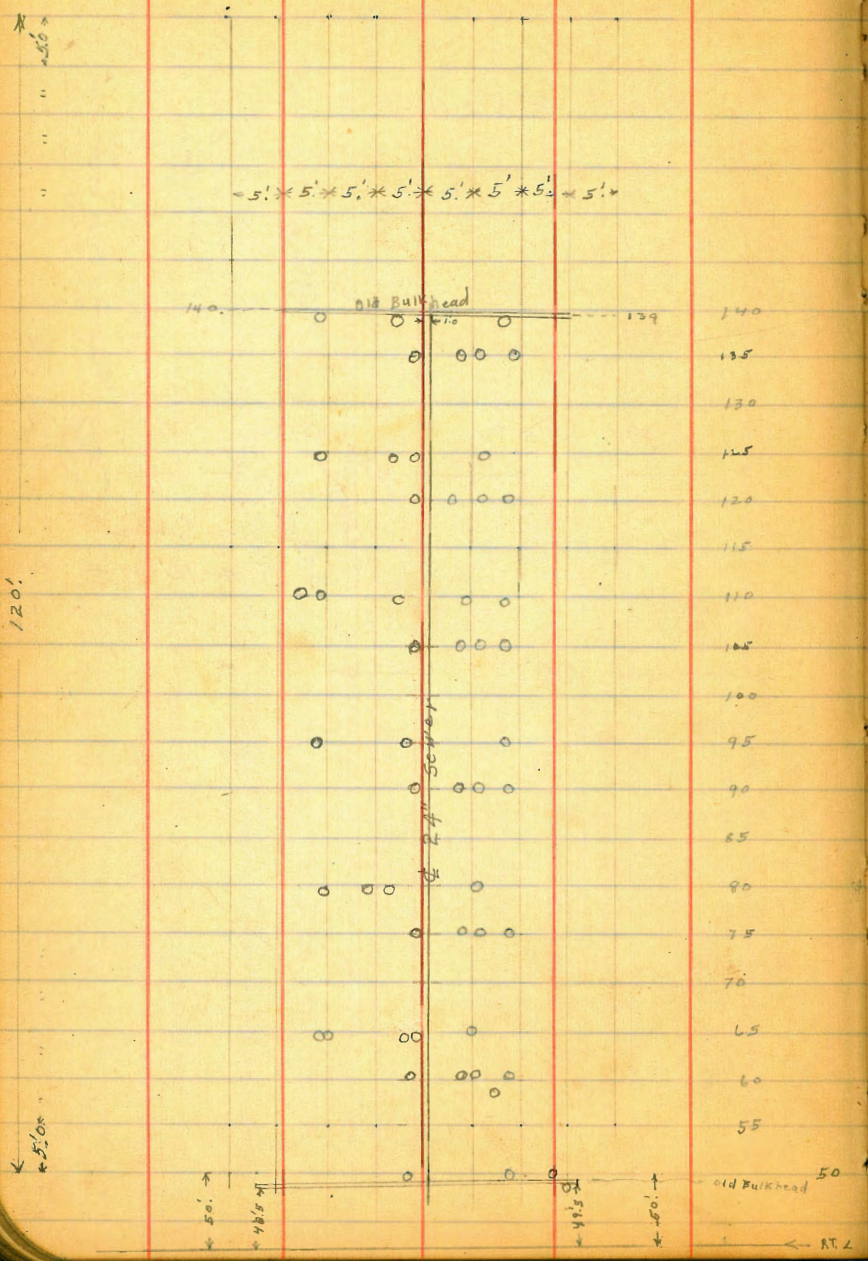
∠ Sheet 3304-



7-12-29
Miller

Location of old Piling 32nd St Bridge

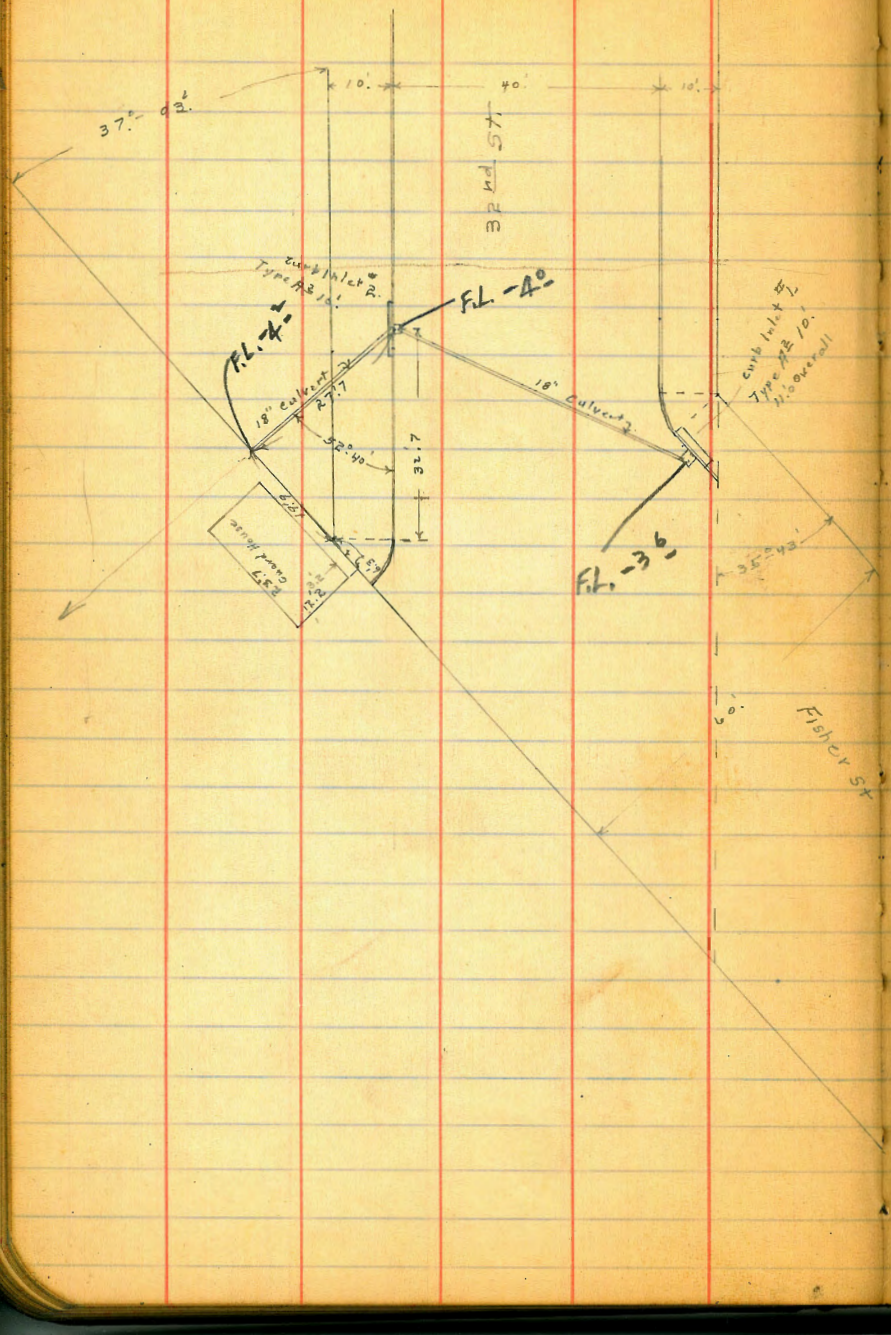
O = Pile



Location Curb Inlets & Culvert
at. Fisher & 32nd St.

7-29-29
Millu

77



C. Moore
Chmn
W.M.
E.B.

Gutter Levels, Nly Side Midway S.Ely from W. Pt. Loma Blvd

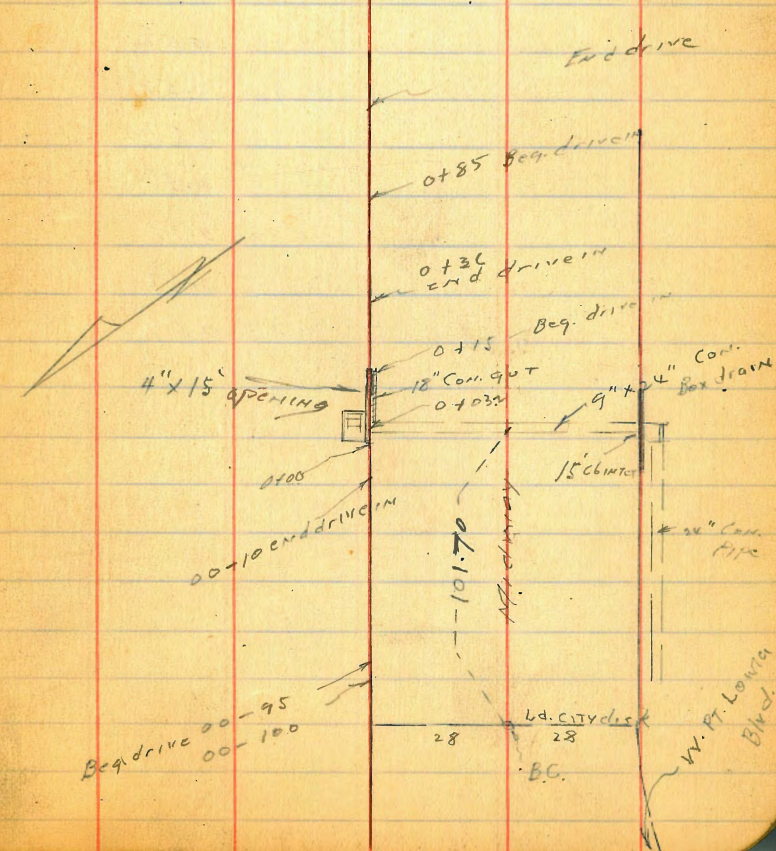
2-14-44

BM BP	7.60	10.60		3.00	Art. this is old El. of Brass Plug in Triple Box Culv. on Midway at W. Pt. Loma Blvd.
TP	4.54	5.47	9.67	0.93	
0-100	Top cb		3.28	2.19	
"	gut	in drive	3.80	1.67	
0-75	"	"	4.27	1.20	
0-50	"	"	4.54	0.93	
0-25	"		4.86	0.61	
0+00	"		5.11	0.36	
"	Top cb		4.35	1.12	
0+03.2	"		4.36	1.11	
"	gut.	No grating	5.12	0.35	
"	F.L. 9"x24"	Box drain	6.45	-0.98	
0+15	Top cb.	Beg. drive	4.35	1.12	
"	gut		5.01	0.46	
0+30			5.08	0.39	
0+36	Top cb	end drive	4.48	0.99	
"	gut.		5.08	0.39	
0+50	"		5.10	0.37	
"	cb		4.49	0.98	
0+66	"		4.47	1.00	
"	gut		5.05	0.42	
0+85	"	Beg drive	5.04	0.43	
"	cb		4.50	1.07	

Indexed
C.S.K.

3+00

Note! approx. 2" W.S. on Con. Base



	5.47			
0+95	in drive	5.05	0.42	
1+08	" "	5.04	0.43	
1+19	" "	5.04	0.43	
1+24	gut	5.03	0.44	
"	c6 end drive	4.41	1.06	
1+50	in gut.	4.99	0.48	approx.
1+75	" "	4.99	0.48	0.56 curb
2	" "	4.97	0.50	face along
+25	" "	4.95	0.52	here
+50	" "	4.95	0.52	
+75	" "	4.90	0.57	
3	" "	4.90	0.57	
+25	" "	4.89	0.58	
+50	" "	4.88	0.59	
+75	" "	4.85	0.62	
4	" "	4.80	0.67	

Table X.

MIDDLE ORDINATES OF RAILS

Length of Rail (feet)

C ° ′	R Feet	30 Inch	28 Inch	26 Inch	24 Inch	22 Inch	20 Inch	C °	R Feet	30 Inch	28 Inch	26 Inch	24 Inch	22 Inch	20 Inch
0–20	17189	.08	.07	.06	.05	.04	.03	8	716.8	1.88	1.64	1.42	1.20	1.01	.84
0–40	8594	.16	.14	.12	.10	.08	.07	9	637.3	2.12	1.84	1.60	1.35	1.14	.94
1–0	5730	.24	.20	.18	.15	.13	.10	10	573.7	2.36	2.05	1.78	1.50	1.27	1.04
1–20	4297	.31	.27	.23	.20	.17	.13	11	521.7	2.59	2.26	1.95	1.65	1.39	1.15
1–40	3438	.39	.34	.29	.25	.21	.17	12	478.3	3.83	2.47	2.15	1.81	1.54	1.26
2–0	2865	.47	.41	.35	.30	.25	.20	13	441.7	3.05	2.66	2.30	1.96	1.66	1.36
2–20	2456	.55	.48	.41	.35	.29	.23	14	410.3	3.30	2.87	2.48	2.10	1.78	1.46
2–40	2149	.63	.55	.47	.40	.33	.27	15	383.1	3.54	3.08	2.68	2.26	1.91	1.57
3–0	1910	.71	.62	.53	.45	.38	.31	16	359.3	3.76	3.28	2.83	2.40	2.04	1.67
3–20	1719	.78	.68	.59	.50	.42	.35	17	338.3	4.00	3.48	3.02	2.57	2.16	1.78
3–40	1563	.86	.75	.65	.55	.46	.38	18	319.6	4.21	3.67	3.18	2.70	2.28	1.87
4–0	1433	.94	.82	.71	.60	.50	.42	19	302.9	4.45	3.89	3.36	2.86	2.41	1.98
4–20	1323	1.02	.89	.77	.65	.55	.45	20	287.9	4.70	4.09	3.55	3.00	2.54	2.09
4–40	1228	1.10	.96	.83	.70	.59	.48	22	262.0	5.16	4.44	3.84	3.30	2.80	2.29
5	1146	1.18	1.03	.89	.75	.63	.52	24	240.5	5.64	4.92	4.20	3.59	3.04	2.50
6	955.3	1.41	1.23	1.06	.90	.76	.62	26	222.3	6.07	5.29	4.58	3.88	3.29	2.70
7	819.0	1.65	1.44	1.24	1.05	.89	.73								

Table XI.

SHORT RADIUS CURVES

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

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

Table XII.

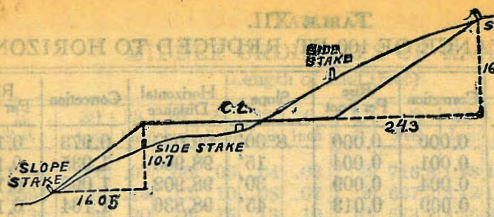
INCLINED DISTANCE OF 100 FT. REDUCED TO HORIZONTAL

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

Table XIII.

MINUTES IN DECIMALS OF A DEGREE.

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



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0 00	0 15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1 65	1 80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3 45	3.60	3 75	3.90	4.05	4.20	4 35	2
3	4.50	4 65	4.80	4.95	5 10	5 25	5 40	5.55	5.70	5.85	3
4	6.00	6 15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7 50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9 00	9 15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10 65	10.80	10.95	11.10	11.25	11.40	11.55	11 70	11.85	7
8	12.00	12 15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13 50	13 65	13 80	13 95	14.10	14.25	14.40	14 55	14.70	14.85	9
10	15.00	15 15	15 30	15 45	15.60	15.75	15.90	16.05	16.20	16 35	10
11	16 50	16 65	16 80	16.95	17 10	17.25	17.40	17.55	17.70	17.85	11
12	18 00	18 15	18.30	18 45	18.60	18 75	18.90	19.05	19.20	19 35	12
13	19 50	19 65	19.80	19.95	20.10	20.25	20 40	20.55	20.70	20.85	13
14	21.00	21 15	21.30	21.45	21 60	21.75	21.90	22 05	22 20	22 35	14
15	22 50	22 65	22 80	22 95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24 15	24 30	24 45	24.60	24.75	24 90	25 05	25.20	25.35	16
17	25.50	25 65	25.80	25 95	26.10	26 25	26 40	26.55	26.70	26.85	17
18	27.00	27 15	27.30	27 45	27.60	27.75	27.90	28.05	28 20	28.35	18
19	28 50	28 65	28 80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30 00	30 15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31 50	31 65	31.80	31.95	32 10	32 25	32.40	32.55	32 70	32 85	21
22	33 00	33 15	33 30	33 45	33.60	33 75	33.90	34.05	34.20	34.35	22
23	34 50	34 65	34.80	34.95	35.10	35 25	35 40	35.55	35.70	35 85	23
24	36.00	36 15	36.30	36 45	36.60	36.75	36.90	37.05	37 20	37.35	24
25	37.50	37.65	37 80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39 00	39 15	39 30	39 45	39 60	39.75	39.90	40.05	40.20	40.35	26
27	40 50	40 65	40 80	40.95	41.10	41.25	41 40	41.55	41.70	41.85	27
28	42 00	42 15	42.30	42.45	42.60	42 75	42.90	43.05	43.20	43.35	28
29	43.50	43 65	43.80	43 95	44.10	44 25	44 40	44.55	44.70	44 85	29
30	45 00	45 15	45.30	45 45	45.60	45.75	45 90	46.05	46 20	46.35	30
31	46.50	46.65	46.80	46 95	47.10	47 25	47.40	47.55	47 70	47.85	31
32	48 00	48.15	48.30	48 45	48.60	48 75	48.90	49.05	49 20	49.35	32
33	49.50	49 65	49.80	49.95	50.10	50.25	50.40	50.55	50 70	50.85	33
34	51 00	51.15	51.30	51.45	51.60	51 75	51 90	52.05	52.20	52.35	34
35	52 50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54 00	54 15	54.30	54 45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55 50	55 65	55.80	55 95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57 30	57 45	57 60	57 75	57.90	58.05	58.20	58 35	38
39	58 50	58.65	58 80	58 95	59.10	59 25	59.40	59 55	59.70	59.85	39
40	60 00	60 15	60 30	60 45	60 60	60.75	60 90	61.05	61 20	61.35	40
41	61.50	61 65	61.80	61 95	62 10	62 25	62.40	62 55	62 70	62.85	41
42	63 00	63.15	63 30	63 45	63 60	63 75	63 90	64 05	64 20	64.35	42
43	64.50	64 65	64 80	64.95	65.10	65 25	65 40	65.55	65.70	65.85	43
44	66 00	66 15	66 30	66.45	66.60	66 75	66.90	67.05	67.20	67.35	44
45	67 50	67 65	67 80	67.95	68.10	68.25	68.40	68.55	68.70	68.85	45
46	69 00	69 15	69 30	69.45	69.60	69 75	69.90	70.05	70.20	70.35	46
47	70 50	70 65	70 80	70 95	71.10	71.25	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

Computed by L. Leland Locke.

6)74.5
12.4

37.2
12.4
49.6

234.1
246.8
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