1313

POSTS

FIELD BOOK

No. 380 F

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope 1½ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE No. 9.

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections.

Degree of curve with a given I may be found by dividing tangent, (or external), opposite I by given tangent, (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.

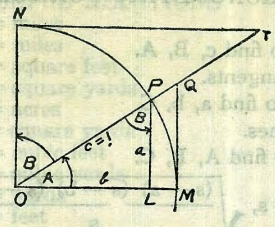

TABLE II

TRIGONOMETRIC FORMULÆ.

$\angle A = \angle MOP \qquad \angle B = \angle PON = \angle OPL$

$R = OB = c = 1$

$$\sin A = \frac{a}{c} = \frac{a}{1} = a = \cos B = LP$$

$$\cos A = \frac{b}{c} = \frac{b}{1} = b = \sin B = OL$$

$$\tan A = \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ$$

$$\cot A = \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT$$

$$\sec A = \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ$$

$$\csc A = \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT$$

$$\text{vers } A = \frac{LM}{OP} = LM = \text{covers } B \#$$

$$\text{covers } A = \frac{OP - LP}{OP} = OP - LP = \text{vers } B$$

$$\text{exsec } A = PQ = \text{coexsec } B$$

$$\text{coexsec } A = PT = \text{exsec } B$$

$$\sin \tfrac{1}{2} A = \sqrt{\frac{1 - \text{Cos } A}{2}} \qquad \cos \tfrac{1}{2} A = \sqrt{\frac{1 + \text{Cos } A}{2}}$$

$$\sin 2A = 2 \sin A \cos A \qquad \cos 2A = \cos^2 A - \sin^2 A$$

$$\text{Law of Sines} \quad \frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C}{C}$$

$$\text{Law of Cosines} \quad c^2 = a^2 + b^2 - 2ab \cos C$$

$$\text{Law of Tangents} \quad \frac{a+b}{a-b} = \frac{\tan \tfrac{1}{2}(A+B)}{\tan \tfrac{1}{2}(A-B)}$$

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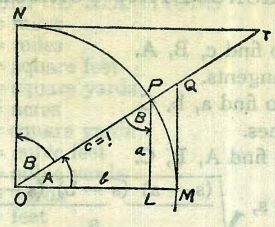

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1313

X sec. Winett	Tooley TO Orange	1
" " "	" " LemonGrove.	15
" " TOOLEY	Winnett to. Republic	32
" " "	" " Oriole	36
" " Myrtle	Boundary to Nile	42
" " Alley BLK 36	Parish & Loomis	46

451.36
54
451.95

Jan 15-29 Loudon

X Sec Winett from N.L. Tooly to S.L. Orange St Springfield
60' st. 10' walks 40' Rdway

B.M.	7.34	459.29		451.95	bolt in base Flag Pole Lot 168 Emp Add
T.P.	0.07	446.32	13.04	446.25	
T.P.	0.13	433.44	13.01	433.31	
T.P.	1.17	421.59	13.02	420.42	
B.M.	2.68	419.32	4.95	416.64	bolt by Hub N.W. Tooley & Winett.
NL Tooley					
N.L			2.6	416.7	
+5			3.0	416.3	
eb			2.8	416.5	
+5			3.1	416.2	
1/4			3.1	416.2	
+7			2.9	416.4	
℄			2.9	416.4	
+3			2.7	416.6 ~~146.6~~	
+7			3.0	416.3 ~~146.3~~	
1/4			2.8	416.5 ~~146.5~~	
+8			2.4	416.9 ~~146.9~~	
eb			0.7	416.6 ~~148.6~~	
E.L			0.9	418.4	
N eb Tooley					
E.L			1.3	418.0	
+3			1.5	417.8	
+8			2.0	417.3	
eb			2.7	416.6	
+5			3.3	416.0	
1/4			3.4	415.9	
+2			3.7	415.6	

Plotted Jan-24-29
G.B.H.

N c b Tooley

+8	3.4	415.9
℄	3.5	415.8
⅛	4.1	415.2
c b	3.7	415.6
W.L.	3.3	416.0

N ¼ Tooley

W.L.	4.2	415.1
c b	4.5	414.8
¼	4.6	414.7
+2	4.7	414.6
℄	4.4	414.9
⅛	4.1	415.2
c b	4.0	415.3
E.L.	3.2	416.1

℄ Tooley

E.L.	3.5	415.8
+3	3.6	415.7
c b	4.5	415.8
+4	5.1	414.2
¼	5.0	414.3
℄	5.2	414.1
¼	5.2	414.1
c b	4.9	414.4
+6	5.0	414.3
W.L.	4.6	414.7

S ¼ Tooley

W.L.	5.2	414.1
c b	6.2	413.1
+5	6.0	413.3
¼	6.3	413.0
+2	6.7	412.6
+4	6.3	413.0
℄	6.3	413.0
¼	6.1	413.2
+6	6.3	413.0
c b	5.8	413.5
+4	5.3	414.0
+6	5.8	413.5
E.L.	4.7	414.6

S c b Tooley

E.L.	5.3	414.0
+3	5.9	413.4
+7	8.7	410.6
c b	7.8	411.5
+8	7.9	411.4
+5	7.2	412.1
¼	7.7	411.6
℄	7.7	411.6
+7	8.0	411.3
+8	7.6	411.7
¼	7.5	411.8

419.32

S c b Tooley.

c b		7.3	412.0
+3		7.1	412.2
+8		7.4	411.9
w.L.		7.2	412.1

S.L. Tooley - 0+00

w.L.		8.9	410.4
c b		8.9	410.4
+4		8.5	410.8
1/4		8.9	410.4
+4		9.0	410.3
+6		9.3	410.0
℄		9.0	410.3
+9		9.2	410.1
1/4		9.4	409.9
+1		9.6	409.7
+4		8.8	410.5
+7		8.6	410.7
c b		9.7	409.6
+1		10.6	408.7
+4		7.5	411.8
E.L		6.6	412.7

0+25 419.32

E.L			8.6	410.7
+6			10.3	409.0
c b			13.6	405.7
+8			12.5	406.8
1/4			12.6	406.7
℄			12.6	406.7
+2			13.2	406.1
+8			12.0	407.3
1/4			12.0	407.3
c b			13.0	406.3
+6			14.4	404.9
w.L.			14.3	405.0
5 w			14.1	405.2
10 w			12.5	406.8
T.P.	1.83	408.13	13.02	406.30

0+50

10 w		4.6	403.5
w.L.		6.3	401.8
c b		7.8	400.3
1/4		7.7	400.4
+7		6.7	401.4
℄		5.4	402.7
+7		4.9	403.2
1/4		5.0	403.1
c b		5.5	402.6
+1		6.0	402.1

0+50	408.43			
+4			2.0	406.1
E.L			0.8	407.3
0+75				
E.L			5.1	403.0
+3			6.6	401.5
+7			6.6	401.5
+9			8.5	399.6
cb			9.2	398.9
1/4			8.8	399.3
℄			9.1	399.0
+7			12.7	395.4
1/4			13.3	394.8
cb			14.1	394.0
W.L			10.6	397.5
7W			9.5	398.6
10W			9.6	398.5
T.P.	3.67	400.61	11.19	396.94
1+00				
15W			8.7	391.9
W.L.			10.9	389.7
cb			12.0	388.6
1/4			11.2	389.4
℄			6.6	394.0
+2			5.5	395.1
1/4			5.0	395.6

1+00	400.61		
cb		5.6	395.0
+2		6.0	394.6
+8		0.8	399.8
E.L		0.1	400.5
1+25			
E.L		2.7	397.9
+8		5.7	394.9
cb		8.7	391.9
+1		9.0	391.6
1/4		8.0	392.6
+9		8.6	392.0
℄		9.6	391.0
1/4		16.0	384.6
+2		16.9	383.7
cb		17.5	383.1
W.L		18.0	382.6
15W		11.0	389.6
1+50			
20W		15.9	384.7
W.L.		20.8	379.8
cb		20.0	380.6
1/4		16.5	384.1
℄		12.0	388.6
+2		11.2	389.4
1/4		11.3	389.3

1+50		400.67		
+5			11.6	
+9			12.5	
cb			10.3	
+4			7.1	
E.L.			5.3	395.3
1+75				
E.L.			9.1	391.5
+2			9.6	
+3			11.4	
T.P.	1.26	388.81	13.06	387.55
cb			3.1	
+2			4.5	
+8			3.5	
1/4			2.9	
+8			2.7	
℄			4.0	384.8
1/4			8.3	
cb			10.9	
w.L.			12.8	376.0
6w			12.5	
20w			8.5	

2+00	388.81		
20w		11.2	
7w		15.5	
w.L.		15.3	373.5
+5		15.2	
cb		13.4	
1/4		10.4	
℄		7.7	381.1
+4		5.5	
1/4		5.7	
+8		6.8	
+9		8.1	
cb		8.0	
+1		5.5	
+8		0.5	
E.L.		+0.4	389.2
2+25			
E.L.		4.4	384.4
+2		4.6	
+8		8.4	
+9		9.9	
cb		10.0	
+1		10.0	
+2		9.1	
+4		8.7	
1/4		8.5	

2+25	388.81			
+6		8.6		
±		10.6	378.2	
¼		13.9		
cb		15.6		
+8		17.9		
WL		17.9	370.9	
10W		17.8		
20W		14.4		
T.P. 3.39	381.82	10 38	378.43	
2+50				
22W		9.8		
12W		12.8		
WL		12.5	369.3	
cb		11.2		
+5		10.6		
¼		9.1		
±		6.0	375.8	
+4		3.7		
¼		3.5		
+9		4.2		
cb		4.8		
+1		5.8		
+5		1.0		
EL		+1.2	383.0	

2+75	381.82		
EL		2.0	379.8
+7		4.3	
cb		7.2	
+1		7.5	
+2		6.0	
¼		5.7	
+5		6.0	
±		7.7	374.1
¼		10.7	
cb		13.7	
WL		15.0	366.8
15W		15.7	
25W		12.0	
3+00			
25W		15.6	
20W		18.0	
WL		17.7	364.1
cb		16.5	
¼		13.2	
±		10.0	371.8
+4		7.8	
¼		7.6	
+9		8.1	
cb		8.7	
+1		7.3	
+6		4.8	

3+00		381.82		
E.L.			3.1	378.7 ·
3+25				
E.L			5.4	376.4 ·
+5	Garage 4'in st. on East of 3+35		7.0	
+7			9.2	
cb			9.6	
+3			10.4	
¼			9.8	
+9			9.6	
℄			10.0	371.8 ·
T.P	3.69	373.96	11.55	370.27
¼			6.9	367.0
cb			9.9	
+7			11.8	
W.L.			12.0	362.0 ·
20W			12.0	
25W			8.8	
3+50				
25W			10.8	
18W			14.9	
W.L.			14.6	359.4 ·
cb			12.8	
¼			9.2	
℄			4.2	369.8 ·
+8			3.5	

3+50		373.96		
¼			4.1	
+7			4.0	
cb			3.1	
+6			+0.3	
E.L			+0.2	374.2 ·
3+75				
E.L			0.6	373.4 ·
+5			1.7	
cb			5.1	
+1			5.9	
¼			5.7	
+7			5.6	
℄			7.1	366.9 ·
¼			10.8	
cb			14.6	
+2			15.3	
W.L.			15.5	358.5 ·
10W			16.3	
20W			16.0	
25W			14.2	

373.96

4+00			
30W		16.0	
20W		18.0	
10W		18.2	
W.L		17.9	356.1
+5		17.9	
cb		15.6	
1/4		12.8	
℄		10.0	364.0
+4		7.8	
1/4		7.5	
+9		8.2	
cb		7.2	
+5		4.3	
E.L.		1.6	371.4
4+25			
E.L.		3.4	370.6
+5		5.6	
cb		8.7	
+1		9.4	
1/4		9.1	
+7		9.3	
℄		11.1	362.9
1/4		15.7	
cb		18.0	
W.L.		20.0	354.0

4+25	373.96		
20W		20.3	
30W		17.8	
4+50			
35W		20.6	
30W		22.1	
15W		21.8	
W.L		21.3	352.7
cb		18.0	
1/4		15.5	
℄		12.0	362.0
+1		11.0	
1/4		10.4	
+9		10.9	
cb		9.5	
+5		6.9	
E.L		3.9	370.1
4+75			
E.L		4.6	369.4
+1		4.8	
+7		8.4	
cb		12.0	
1/4		11.7	
+8		12.1	
℄		13.5	360.5
T.P.	0.40	361.64	12.72 361.24

4+75	361.64		
¼		4.8	
cb		7.5	
W.L.		10.8	350.8
30W		11.7	
40W		8.0	
5+00			
40W		11.3	
34W		14.1	
20W		13.4	
10W		14.0	
W.L.		11.5	350.1
cb		8.1	
¼		5.2	
℄		1.2	360.4
+8		0.8	
¼		0.8	
cb		0.9	
+5		+3.8	
E.L.		+5.7	367.3
5+25			
E.L.		+3.8	365.4
+5		+2.0	
cb		3.5	
¼		3.0	
℄		3.2	358.4

5+25	361.64		
+4		5.5	
¼		6.8	
cb		8.9	
W.L.		12.0	349.6
15W		15.6	
30W		12.0	
5+50			
40W		17.5	
20W		16.9	
W.L.		13.3	348.3
cb		11.0	
¼		8.6	
+8		7.3	
℄		5.6	356.0
¼		5.4	
+7		5.0	
cb		5.9	
+6		0.3	
E.L.		+1.1	362.7
5+75			
E.L.		0.3	361.3
+4		1.5	
+9		5.2	
cb		8.0	
+3		7.1	

5+75	361.64		
¼		7.5	
+8		7.9	
℄		8.7	352.9 ·
+4		10.6	
¼		11.7	
cb		13.4	
w.L.		15.7	345.9 ·
16w		19.7	
40w		19.5	
6+00			
34w		22.0	
10w		21.6	
w.L.		19.3	342.3 ·
cb		16.2	
¼		13.9	
+6		12.4	
℄		10.1	351.5 ·
+1		9.7	
¼		9.5	
+7		9.4	
cb		10.2	
+2		7.0	
+6		4.4	
E.L.		3.4	358.2 ·

6+25	361.64		
E.L.		6.5	355.1 ·
+3		6.9	
+8		9.4	
cb		12.4	
+5		11.7	
¼		11.6	
+9		11.9	
℄		12.5	349.1 ·
+2		14.1	
¼		16.0	
cb		18.6	
w.L.		21.9	339.7 ·
3w		23.0	
34w		23.0	
6+50			
30w		24.9	
3w		24.8	
w.L.		23.6	338.0 ·
cb		21.1	
¼		18.2	
+7		16.8	
℄		15.0	346.6 ·
+2		14.2	
¼		14.0	
+7		14.0	

6+50		361.64		
cb			14.6	
+1			12.2	
+7			8.6	
E.L.			8.0	353.6 ·
6+75				
E.L.			10.2	351.4 ·
+2			10.4	
T.P.	0.40	349.04	13.00	348.64
+9			3.7	
cb			3.5	
+4			3.1	
1/4			3.1	
+9			3.4	
℄			4.3	344.7 ·
+5			6.7	
1/4			8.1	
cb			10.7	
+4			12.7	
W.C.			13.4	335.6 ·
25W			13.7	
35W			9.1	

7+00		349.04		
25W			13.2	
10W			15.0	
W.L.			15.1	333.9 ·
cb			14.1	
1/4			11.1	
℄			6.8	342.2 ·
+1			5.6	
1/4			5.2	
+7			5.3	
cb			5.9	
+2			3.4	
+8			0.3	
E.L.			0.0	349.0 ·
7+25				
E.L.			1.7	347.3 ·
+2			2.3	
+8			5.5	
cb			7.5	
+3			7.0	
1/4			6.8	
+8			7.3	
℄			8.5	340.5 ·
+8			10.1	
1/4			12.9	
cb			15.9	

7+25	349.04		
W.L.		16.9	332.1
20W		16.3	
30W		12.6	
7+50			
25W		15.2	
15W		17.9	
W.L.		18.0	331.0
cb		17.8	
1/4		14.1	
+6		11.9	
℄		10.4	338.6
+2		9.4	
1/4		8.8	
cb		9.0	
+8		6.5	
EL		4.3	344.7
7+75			
EL		5.7	343.3
+8		8.0	
cb		10.7	
1/4		10.6	
+8		11.0	
℄		12.2	336.8
+2		14.1	

7+75	349.04		
1/4		16.6	
cb		19.0	
W.L.		19.0	330.0
15W		19.2	
25W		14.1	
T.P. 0.73	336.71	13.06	335.98
8+00			
30W		3.5	
15W		8.0	
W.L.		8.2	328.5
cb		8.1	
1/4		5.9	
+7		3.3	
℄		1.5	335.2
+2		0.0	
1/4		0.0	
cb		0.6	
+3		+1.6	
EL.		+3.7	340.4
8+25			
EL		+3.1	339.8
+7		+0.7	
cb		2.7	
1/4		1.7	
+8		1.7	
℄		3.0	333.7

8+25	336.71		
+2		4.3	
¼		6.8	
cb		9.2	
w.l.		9.7	327.0
14W		9.2	
25W		5.7	
8+50			
25W		7.1	
13W		11.0	
w.l.		11.0	325.7
cb		10.6	
¼		8.5	
+8		6.0	
℄		4.6	332.1
+3		3.4	
¼		3.7	
+7		4.1	
cb		5.0	
+5		0.2	
E.L.		+0.8	337.5

8+75	336.71		
E.L.		1.0	335.7
+4		1.7	
+7		3.0	
cb		5.6	
+1		6.7	
+5		5.5	
¼		5.4	
+7		5.4	
℄		7.5	329.2
¼		10.6	
cb		12.3	
w.l.		12.3	324.4
13W		11.7	
20W		9.0	
9+00			
20W		10.1	
w.l.		13.8	322.9
cb		13.7	
¼		11.8	
+6		11.0	
℄		8.8	327.9
+2		7.3	
¼		7.1	
+3		7.1	
cb		8.4	
+7		3.1	

336.71

9+00

E.L			2.7	334.0	
9+40²¹ – N.L Orange St (Springfield)					
9+39.9 Rec.					
E.L			6.0	330.7	
+8			8.7		
cb			10.4		
1/4			10.1		
+7			9.9		
℄			11.3	325.4	
1/4			14.0		
cb			15.8		
W.L			15.8	320.9	
10W			15.6		
20W			12.4		
9+70²¹ = ℄ Orange					
20W			13.1		
W.L			17.8	318.9	
cb			17.7		
1/4			16.5		
℄			12.9	323.8	
1/4			12.7		
Cb			12.0		
E.L			10.2	326.5	

See F.B. 1225, 46 Scimitar to Springfield.

336.71

10+00²¹ = S.L. Orange

E.L			11.5	325.2	
+7			13.2		
T.P.	0.28	324.81	12.18	324.53	
+8			3.9		
cb			3.9		
1/4			3.7		
+8			3.8		
℄			4.7	320.1	
+4			6.4		
1/4			7.0		
cb			6.9		
W.L			7.0	317.8	
15W			3.4		
T.P.	0.49	312.39	12.91	311.90	
B.M	Hub NE	Whittet & Orange	11.71	300.68	(300.64)

Old Hub Gone
New Hub Set
1.0 ± Lower
See Xsec of Orange

X Sec Winett from N.L. Tooley to S.L. Lemon Grove Dr.

BM	2.60	419.24		416.64	bott. by Hub N.w. Winett & Tooley
0+00 = N.L. Tooley (P.1)					
0+05					
W.L.			1.7	417.5	
+8			1.3	417.9	
cb			2.3	416.9	
1/4			3.0	416.2	
℄			2.7	416.5	
1/4			2.4	416.8	
+5			2.1	417.1	
+7			0.9	418.3	
cb			1.0	418.2	
E.L.			0.9	418.3 ✓	
0+50					
E.L.			2.5	416.7 ✓	
cb			2.9	416.3	
+7			3.0	416.2	
+8			3.8	415.4	
1/4			4.0	415.2	
℄			4.2	415.0	
+6			4.2	415.0	
1/4			4.4	414.8	
+6			4.8	414.4	
cb			4.4	414.8	
+7			3.0	416.2	
W.L.			2.6	416.6	

Plotted Jan 25-1929 CB.H.

0+75	419.24			
W.L.		4.9	414.3	
+8		5.6	413.6	
+9		7.5	411.7	
cb		7.5	411.7	
1/4		6.8	412.4	
+4		6.6	412.6	
℄		6.9	412.3	
+7		6.3	412.9	
+9		5.4	413.8	
1/4		5.4	413.8	
+6		5.6	413.8	
cb		4.8	414.4	
E.L.		3.7	415.5 ✓	
1+00				
E.L.		8.8	410.4 ✓	
cb		9.1	410.1	
1/4		8.1	411.1	
+6		8.6	410.6	
+8		10.3	408.9	
℄		10.6	408.6	
1/4		10.2	409.0	
cb		11.0	409.2	
+2		8.3	410.9	
W.L.		7.8	411.4	

1+25		419.24							
W.L.			11.3	407.9					
+7			11.8	407.4					
+9			14.8	404.4					
cb			15.0	404.2					
1/4			14.2	405.0					
℄			14.1	405.1					
+2			13.2	406.0					
1/4			13.4	405.8					
cb			13.7	405.5					
E.L.			13.4	405.8 ✓					
T.P.	0.27	406.63	12.88	406.36					
1+50									
E.L.			5.2	401.4 ✓					
cb			4.5	402.1					
+5			4.5	402.1					
1/4			4.8	401.8					
+5			4.3	402.3					
℄			4.4	402.2					
+7			5.7	400.9					
1/4			5.6	401.0					
+8			6.0	401.6					
cb			6.3	400.3					
+3			6.6	400.0					
+4			4.1	402.5					
W.L.			2.9	403.7					

1+75		406.63							
W.L.			7.7	398.9					
+6			8.2	398.4					
+6			10.9	395.7					
cb			10.2	396.4					
+1			10.0	396.6					
1/4			9.7	396.9					
℄			8.9	397.7					
1/4			10.0	396.6					
cb			9.0	397.6					
E.L.			7.8	398.8 ✓					
2+00									
E.L.			13.1	393.5 ✓					
+5			13.5	393.1					
cb			14.1	392.5					
+5			14.3	392.3					
1/4			13.6	393.0					
+3			13.5	393.1					
+7			14.7	391.9					
℄			13.2	393.4					
+4			13.0	393.6					
1/4			13.5	393.1					
+9			13.8	392.8					
cb			14.4	392.2					
+4			14.6	392.0					
+4			12.3	394.3					
W.L.			11.6	395.0					

		406.63			
T.P.	0.10	393.75	12.98	393.65	
2+25					
W.L.			2.1	391.7	
+6			3.0	390.8	
+6			5.2	390.6	
cb			5.0	388.8	
¼			4.6	389.2	
+6			3.8	390.0	
℄			4.5	389.3	
¼			6.1	387.7	
+5			5.8	388.0	
+7			4.5	389.3	
cb			4.6	389.2	
+3			4.6	389.2	
+6			6.2	387.6	
+9			5.5	388.3	
EL			3.8	390.0 ✓	
2+50					
10E			9.1	384.7 ✓	
E.L.			9.2	384.6	
+6			10.2	383.6	
cb			13.0	380.8	
¼			11.0	382.8	
+1			9.6	384.2	
℄			8.4	385.4	
+3			7.9	385.9	

2+50	393.75		
¼		8.3	385.5
+5		8.8	385.0
cb		8.7	385.1
+3		8.6	385.2
+3		6.4	387.4
W.L.		5.1	388.7
2+75			
W.L.		8.5	385.3
+5		9.6	384.2
+6		12.2	381.6
cb		12.5	381.3
¼		11.9	381.9
+9		12.1	381.7
℄		12.7	381.1
+8		14.0	379.8
¼		15.1	378.7
cb		19.9	373.9
+7		16.0	377.8
E.L.		15.1	378.7
10E		13.7	380.1

3+00		393.75		
15E			17.5	375.3
E.L.			19.1	374.7
+3			20.0	373.8
cb			20.2	373.6
+4			20.3	373.5
¼			18.0	375.8
℄			16.0	377.8
+3			15.2	378.6
¼			15.3	378.5
cb			15.9	377.9
+3			16.3	377.5
+5			13.0	380.8
W.L.			11.8	382.0
T.P.	0.24	380.93	13.06	380.69
3+25				
W.L.			0.8	380.1
+6			3.0	377.9
+9			6.5	374.4
cb			6.5	374.4
+2			6.1	374.8
¼			5.5	375.4
℄			5.1	375.8
¼			8.6	372.3
cb			15.1	365.8
+3			17.3	363.6

3+25		380.93		
E.L.			12.4	368.5
5E			11.6	369.3
10E			8.1	372.8
15E			7.5	373.4
3+50				
20E			11.4	369.5
10E			14.6	366.3
E.L.			20.2	360.7
cb			15.9	365.0
¼			13.3	367.6
+5			12.1	368.8
℄			10.0	370.9
+3			8.4	372.5
¼			8.7	372.2
+5			9.3	371.6
cb			9.3	371.6
+2			5.9	375.0
W.L.			3.3	377.6

	380.93		
3+75			
W.L.	7.0	373.9	
+8	8.9	372.0	
cb	11.9	369.0	
1/4	11.5	369.4	
+7	11.5	369.4	
℄	13.1	367.8	
+9	15.1	365.8	
1/4	15.8	365.1	
+4	17.2	363.7	
cb	21.3	359.6	
+7	22.7	358.2	
E.L.	20.9	360.0 ✓	
3E	19.1	361.8	
10E	17.2	363.7	
20E	14.3	366.6 /	
4+00			
20E	17.3	363.6	
11E	21.0	359.9	
3E	22.1	358.8	
E.L.	23.0	357.9 ✓	
+5	26.4	354.5	
cb	23.4	357.5	
1/4	19.4	361.5	
℄	14.7	366.2	
+3	13.4		

4+00		380.93		
1/4			13.7	367.2
+9			12.9	368.0
cb			11.0	369.9
W.L.			9.0	371.9 /
4+25				
W.L.			10.7	370.2
+3			11.3	369.6
+5			12.6	368.3
cb			13.3	367.6
T.P.	060	368.51	13.02	367.91
1/4			3.4	365.1
+8			3.3	365.2
℄			4.6	363.9
1/4			9.9	358.6
+4			11.7	356.8
cb			14.9	353.6
+5			17.5	351.0
E.L.			14.4	354.1 ✓
3E			12.6	355.9
15E			10.3	358.2 /

4+50	36851		
15E		13.2	355.3
6E		15.1	353.4
E.L.		17.7	350.8 ✓
+4		20.3	348.2
+7		18.4	350.1
cb		16.6	351.9
¼		13.0	355.5
+4		12.3	356.2
℄		8.5	360.0
+3		5.8	362.7
¼		5.8	362.7
cb		6.5	362.0
+1		2.8	365.7
+6		1.9	366.6
w.l.		0.8	367.7 ✓
4+75			
w.l.		2.9	365.6 ✓
+3		4.4	364.1
+9		5.1	363.4
cb		9.1	359.4
¼		8.7	359.8
+7		9.2	359.3
℄		11.5	357.0
+6		15.6	352.9

36851

4+75		
¼	16.8	351.7
+8	19.8	348.7
cb	20.8	347.7
+4	21.9	346.6
E.L.	18.7	349.8 ✓
3E	17.1	351.4
15E	15.0	353.5
5+00		
15E	16.8	351.7
E.L.	20.4	348.1 ✓
+3	21.3	347.2
+7	24.0	344.5
cb	23.9	344.6
+7	20.2	348.3
¼	19.1	349.4
℄	15.0	353.5
+4	12.3	356.2
¼	12.2	356.3
+6	12.0	356.5
cb	12.5	356.0
+4	8.0	360.5
+8	7.7	360.8
w.l.	6.1	362.4

5+25		368.51		
W.L.			10.2	358.3
+2			11.4	357.1
+1			11.6	356.9
T.P.	0.06	355.62 ✓	12.95	355.56 ✓
cb			2.9	352.7
+3			2.5	353.1
1/4			2.1	353.5
+5			2.3	353.3
℄			5.5	350.1
+6			8.7	346.9
1/4			9.7	345.9
+4			10.6	345.0
cb			14.8	340.8
+3			14.8	340.8
E.L.			10.3	345.3 ✓
10E			8.7	346.9
15E			7.5	348.1 ✓
5+50				
15E			9.1	346.5 ✓
E.L.			12.3	343.3 ✓
+6			13.3	342.3
cb			16.2	339.4
+5			16.2	339.4
1/4			13.6	342.0

355.62

5+50		
+5	12.1	343.5
℄	8.8	346.8
+5	5.8	349.8
1/4	5.6	350.0
cb	6.0	349.6
+1	6.0	349.6
+4	2.3	353.3
+8	0.7	354.9
W.L.	+0.6	356.2 ✓
5+75		
W.L.	2.8	352.8 ✓
+3	4.4	351.2
+8	5.6	350.0
cb	9.6	346.0
1/4	9.3	346.3
+6	9.7	345.9
℄	12.6	343.0
+8	16.1	339.5
1/4	18.4	337.2
+8	17.2	338.4
cb	16.4	339.2
+2	15.2	340.4
E.L.	13.8	341.8 ✓
15E	10.3	345.3

35562

6+00			
15E		13.1	342.5
E.L.		17.2	338.4 ✓
+3		18.1	337.5
cb		19.1	336.5
+4		22.1	333.5
+8		21.5	334.1
¼		20.1	335.5
+3		18.3	337.3
+7		17.8	337.8
℄		15.4	340.2
+5		12.6	343.0
¼		13.0	342.6
cb		13.5	342.1
+3		8.4	347.2
W.L.		6.6	349 ✓
6+25			
W.L.		9.9	345.7
+5		12.0	343.6
+8		13.6	342.0
cb		16.6	339.0
¼		16.3	339.3
+6		16.4	339.2
℄		18.9	336.7 ✓
+8		24.0	331.6
¼		23.9	331.7 ✓

6+25	35562			
+2			25.3	330.3
+4			24.0	331.6
+8			21.5	334.1
cb			21.1	334.5
E.L.			19.4	336.2 ✓
10E			17.8	337.8
TP	1.32	344.56	12.88	342.74 ✓
6+50				
10E			8.0	336.6
E.L.			9.9	334.7 ✓
cb			12.6	332.0
+3			13.0	331.6
¼			16.7	327.9
℄			11.2	333.4
+2			9.1	335.5
¼			8.8	335.8
cb			9.3	335.3
+2			8.6	336.0
+5			4.4	340.2
W.L.			2.4	342.2

344.56

6+75			
W.L.	5.2	339.4	
+4	6.9	337.7	
+9	12.2	332.4	
cb	12.1	332.5	
¼	11.3	333.3	
+6	11.1	333.5	
℄	13.3	331.3	
¼	18.4	326.2	
+5	18.4	326.2	
cb	15.4	329.2	
E.L.	12.9	331.7	
10E	10.8	333.8	
7+00			
10E	12.9	331.7	
E.L.	14.8	329.8	
cb	17.4	327.2	
+5	18.4	326.2	
¼	20.0	324.6	
+4	19.8	324.8	
℄	16.0	328.6	
+4	14.1	330.5	
¼	13.4	331.2	
cb	13.8	330.8	
+5	9.6	335.0	
W.L.	8.1	336.5	

7+25	344.56			
W.L.		10.2	334.4	
+6		11.8	332.8	
T.P.	0.17	332.08	12.65	331.91
+9			1.8	330.3
cb			3.4	328.7
¼			3.3	328.8
+6			3.1	329.0
℄			5.0	327.1
¼			10.9	321.2
+7			8.5	323.6
cb			7.7	324.4
E.L.			4.7	327.4
10E			2.3	329.8
7+50				
10E			5.5	326.6
E.L.			7.5	324.6
+7			10.1	322.0
cb			11.5	320.6
+3			12.8	319.3
¼			10.6	321.5
℄			6.3	325.8
+5			5.3	326.8
¼			5.4	326.7
cb			5.2	326.9
+1			3.9	328.2
W.L.			0.0	332.1

332.08

7+75			
W.L.	1.7	330.4	
+5	3.1	329.0	
cb	7.4	324.7	
?=1/4 ~~E.~~	7.9	324.2	
+7	7.8	324.3	
E	9.2	322.9	
1/4	15.1	317.0	
cb	12.6	319.5	
E.L.	10.6	321.5 ✓	
10E	8.2	323.9	
8+00			
10E	11.6	320.5	
E.L.	13.1	319.0 ✓	
cb	16.0	316.1	
1/4	14.9	317.2	
E	10.7	321.4	
+2	9.6	322.5	
1/4	9.8	322.3	
+9	9.8	322.3	
cb	8.0	324.1	
W.L.	4.3	327.8	

8+25	332.08			
W.L.		6.6	325.5	
+8		7.9	324.2	
cb		9.7	322.4	
+2		12.0	320.1	
1/4		11.9	320.2	
+8		12.0	319.1	
E		13.3	318.8	
1/4		16.2	315.9	
cb		18.0	314.1	
E.L.		15.5	316.6 ✓	
10E		13.6	318.5	
8+50				
10E		15.3	316.8	
E.L.		19.2	313.9 ✓	
+7		19.1	13.0	
cb		20.6	311.5	
1/4		19.0	313.1	
E		15.2	316.9	
+4		13.4	318.7	
1/4		13.6	318.5	
+8		13.3	318.8	
cb		10.7	321.4	
W.L.		8.7	323.4 ✓	
T.P.	0.48	319.62 ✓	12.94	319.14

8+75	319.62		
W.L.		+2.0	321.6
+9		0.0	319.6
cb		1.8	317.8
1/4		2.3	317.3
+6		2.4	317.2
℄		4.4	315.2
+5		7.0	312.6
1/4		7.6	312.0
cb		10.0	309.6
E.L.		8.1	311.5 ✓
10E		6.1	313.5
9+00			
10E		9.7	309.9
E.L.		11.7	307.9 ✓
+5		12.3	307.3
cb		10.1	309.5
1/4		8.1	311.5
℄		4.7	314.9
+5		2.6	317.0
1/4		2.7	316.9
+8		2.7	316.9
cb		0.4	319.2
W.L.		+1.6	321.2

319.62

9+25		
W.L.	+0.5	320.1
cb	1.5	318.1
+2	1.8	317.2
+3	3.3	316.3
1/4	3.6	316.0
+7	3.2	316.4
℄	3.9	315.7
1/4	7.5	312.1
cb	10.3	309.3
E.L.	13.2	306.4 ✓
10E	13.4	306.2
20E	11.8	307.8
9+50		
30E	14.1	305.5
20E	16.8	302.8
10E	14.8	304.8
E.L.	12.6	307.0 ✓
cb	10.1	309.5
+5	8.4	311.2
1/4	6.1	313.5
+5	6.0	313.6
℄	4.0	315.6
1/4	4.0	315.6
+7	4.0	315.6
+8	2.0	317.6
cb	1.7	317.9

9+50		
W.L.	+1.0	320.6
9+75		
W.L.	0.5	319.1
Cb	2.2	317.4
+2	3.1	316.5
+3	4.6	315.0
1/4	4.5	315.1
+7	4.1	315.5
℄	5.7	313.9
+5	7.8	311.8
1/4	8.1	311.5
Cb	10.7	308.9
E.L	13.1	306.5
27 E	18.8	300.8
40 E	15.5	304.1
10+00		
40 E	19.5	300.1
30 E	20.0	299.6
E.L.	12.6	307.0
Cb	10.2	309.4
+5	9.0	310.6
1/4	8.9	310.7
℄	5.4	314.2
1/4	5.6	314.0
+7	5.6	314.0

319.62

10+00		
Cb	3.2	316.4
W.L.	2.0	317.6
10+25		
W.L	3.2	316.4
Cb	4.6	315.0
+2	5.3	314.3
+3	7.2	312.4
1/4	7.0	312.6
℄	6.7	312.9
1/4	10.2	309.4
+5	10.6	309.0
Cb	12.2	307.4
E.L	14.4	305.2
30 E	22.0	297.6
40 E	21.6	298.0
10+50		
40 E	22.4	297.2
20 E	23.0	296.6
E.L.	18.0	301.6
Cb	15.0	304.6
+5	13.3	306.3
1/4	12.7	306.9
+5	12.0	307.6
℄	8.8	310.8
1/4	9.1	310.5

319.62

10+50				
+9		8.9	310.7	
+9		5.8	313.8	
cb		5.4	314.2	
W.L.		4.5	315.1	
10+75				
W.L.		6.8	312.8	
cb		8.6	311.0	
+3		12.0	307.6	
¼		12.2	307.4	
℄		12.1	307.5	
+6		14.6	305.0	
¼		15.0	304.6	
cb		18.0	301.6	
E.L.		20.7	298.9	✓
18E		24.0	295.6	
11+00				
20E		23.0	296.6	
E.L.		23.0	296.6	✓
cb		20.4	299.2	
¼		17.0	302.6	
℄		14.8	304.8	
¼		14.2	305.4	
+7		14.2	305.4	
+8		12.7	306.9	
cb		11.9	307.7	
W.L.		9.7	309.9	

11+25	319.62			
W.L.			12.5	307.1 ✓
+8			13.6	306.0
T.P.	0.37	307.35	12.64	306.98 ✓
cb			2.4	305.0
+8			4.1	303.3
¼			4.5	302.9
℄			4.8	302.6
¼			7.0	300.4
cb			9.5	297.9
E.L.			11.9	295.5 ✓
10E			13.4	294.0
40E			10.9	296.5
11+50				
40E			15.8	291.6
26E			21.2	286.2
18E			22.0	285.4
16E			19.5	287.9
E.L.			14.9	292.5 ✓
cb			12.0	295.4
¼			9.2	298.2
℄			6.4	301.0
¼			6.6	300.8
+6			6.2	301.2
+8			5.0	302.4
cb			4.2	303.2
W.L.			2.3	305.1

11+75	307.35		
W.L.		4.6	302.8
Cb		6.5	300.9
+5		8.5	298.9
1/4		8.4	299.0
℄		8.4	299.0
+5		8.0	299.4
1/4		9.3	298.1
Cb		12.2	295.2
E.L.		16.0	290.4 ✓
11E		22.3	285.1
19E		22.1	285.3
30E		18.7	288.7
12+00			
30E		20.0	287.4
20E		23.1	284.3
8E		23.2	284.2
E.L.		18.5	288.9 ✓
Cb		14.7	292.7
1/4		11.2	296.2
℄		11.4	296.0
1/4		11.6	295.8
+4		11.5	295.9
+6		7.9	299.5
Cb		7.5	299.9
W.L.		6.4	301.0

12+25	307.35		
W.L.		8.4	299.0
Cb		9.1	298.3
+2		9.6	297.8
+7		15.0	292.4
T.P.	0.54	294.89	13.00 294.35
1/4		2.4	292.5
℄		2.2	292.7
1/4		2.4	292.5
+2		1.3	293.6
+5		0.7	294.2
Cb		3.4	291.5
E.L.		7.3	287.6
10E		10.9	284.0
21E		11.2	283.7
30E		7.3	284.6
12+50			
20E		8.3	286.6
14E		11.8	283.1
4E		11.4	283.5
E.L.		10.3	284.6 ✓
+8		9.4	285.5
Cb		8.4	286.5
+6		4.9	290.0
1/4		4.7	290.2
+2		5.8	289.1

12+50	294.89			
℄			5.7	289.2
¼			6.0	288.9
+5			6.2	288.7
cb			+1.0	295.9
+5			+1.0	295.9
+6			+1.7	296.6
W.L.			+2.0	296.9
12+75				
W.L.			2.2	292.7
+4			2.6	292.3
+5			3.4	291.5
+8			3.8	291.1
cb			5.4	289.5
+3			10.2	284.7
¼			9.6	285.3
℄			9.2	285.7
+7			9.0	285.9
¼			10.0	284.9
+7			12.2	282.7
cb			12.7	282.2
EL			12.6	282.3
2E			12.0	282.9
10E			8.0	286.9

13+00	294.89			
E.L.			12.1	282.8
cb			12.3	282.6
+2			13.0	281.9
+5			15.0	279.9
+7			14.6	280.3
¼			11.8	283.1
+5			11.9	283.0
+6			12.5	282.4
℄			12.8	282.1
¼			13.0	281.9
+9			13.8	281.1
cb			11.9	283.0
+2			7.7	287.2
W.L.			7.1	287.8
13+20				
W.L.			10.7	284.2
+3			11.0	283.9
T.P.	0.64	282.50	13.03	281.86
+8			5.1	277.4
cb			4.6	277.9
¼			3.9	278.6
℄			3.7	278.8
+4			2.9	279.6
+7			4.8	277.7
+8			3.6	278.9

282.50

13+20		
¼	3.4	279.1
cb	3.1	279.4
+5	2.8	279.7
E.L	1.4	281.1 ✓
13+23		
5E	8.1	274.4
E.L.	8.1	274.4 ✓
+4	6.0	276.5
+6	3.8	278.7
cb	4.0	278.5
¼	4.0	278.5
+3	4.4	278.1
+4	5.8	276.7
+6	4.4	278.1
℄	4.2	278.3
¼	4.4	278.1
cb	5.0	277.5
+3	5.3	277.2
+6	+0.8	283.3
W.L	+0.8	283.3

282.50

13+35.		
W.L.	1.1	283.6
+2	7.5	275.0
cb	7.0	275.5
¼	6.6	275.9
+6	6.8	275.7
+8	8.2	274.3
℄	6.0	276.5
+1	7.2	275.3
+3	6.0	276.5
¼	5.7	276.8
cb	5.0	277.5
+2	8.5	274.0
EL	8.7	273.8 ✓
13+42½ = S.L. Lemon Grove on West		
EL	9.0	273.5
+8	8.8	273.7
cb	6.6	275.9
¼	7.0	275.5
℄	7.1	275.4
+2	8.8	273.7
+5	7.3	275.2
¼	7.1	275.4
cb	7.9	275.6
W.L.	8.4	274.1

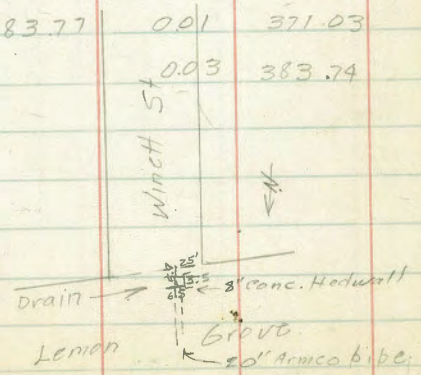
282.50

S.L	Lemon Grove	13+42	= 13+52	
W.L		8.4	274.1	
cb		8.1	274.4	
¼		7.4	275.1	
+4		8.2	274.3	
+5		9.6	272.9	
+7		9.2	273.3	
+8		7.6	274.9	
℄		7.2	275.3	
¼		7.5	275.0	
+8		7.6	274.9	
cb		8.6	273.9	
E.L		9.1	273.4	
Secon Southedge Pav.		West 13+54	= East 13+65	
E.L.		8.94	273.56	
℄		9.28	273.22	
W.L		9.65	272.85	

	12.54	396.28		383.74
T.P.	12.60	408.69	0.14	396.09
T.P.	11.84	419.72	0.81	407.88
B.M.	Beginning		3.10	416.62 (416.64)

282.50

F.L	Pigeon Drain		12.48	
Top Headwall			9.38	
B.M	Hub 30' South of S.W. Cor Lemon Grove Blvd & Winett. on Top of South Bank		3.34	279.16
T.P.	12.62	295.03	0.09	282.41
T.P.	12.01	306.87	0.17	294.86
T.P.	12.86	319.73	0.00	306.87
T.P.	12.98	332.55	0.16	319.57
T.P.	12.95	345.33	0.17	332.38
T.P.	12.79	358.06	0.06	345.27
T.P.	13.01	371.04	0.03	358.03
T.P.	12.74	383.77	0.01	371.03
			0.03	383.74



X sec. Tooley St. from W.L. Winett to Republic.

B.M.	12.76	429.40		416.64	Bolt by Hyd. N.W. Tooley & Winett.
0+00 = W.L. Winnet					
N.L			12.8	416.6	
cb			13.4	416.0	
+2			13.6	415.8	
+3			14.2	415.2	
¼			14.3	415.1	
℄			14.7	414.7	
+7			15.0	414.4	
¼			15.8	413.6	
cb			17.4	412.0	
S.L.			19.6	409.8	
0+25					
S.L.			17.4	412.0	
cb			16.1	413.3	
¼			14.0	415.4	
+6			12.7	416.7	
℄			13.0	416.4	
¼			13.0	416.4	
+6			12.8	416.6	
+9			10.6	418.8	
cb			10.6	418.8	
N.L.			9.7	419.7	

Plotted Jan. 25-29. 69.4

Jan. 17-28
Loudon
Pierce
Morgan.

		429.40		
0+50				
N.L			8.1	421.3
cb			8.9	420.5
+3			9.1	420.3
+5			10.6	418.8
¼			10.8	418.6
℄			10.9	418.5
+5			10.4	419.0
¼			10.9	418.5
cb			11.2	418.2
S.L.			12.5	416.9
0+75				
S.L.			10.4	419.0
cb			9.2	
¼			7.9	
+3			7.3	
+6			8.0	
℄			8.2	421.2
¼			7.9	
+5			7.7	
+7			6.0	
cb			5.9	
N.L			5.3	424.1

1+00		429.40		
N.L.			0.2	429.2
cb			2.0	
+5			2.3	
+6			3.5	
¼			4.0	
℄			4.4	425.0
+6			3.9	
¼			4.2	
cb			5.6	
S.L.			6.7	422.7
1+25				
S.L.			0.8	428.6
cb			0.9	
¼			0.1	
+5			0.6	
℄			0.6	428.8
¼			0.4	
+4			0.7	
T.P.	12.70	442.05	0.05	429.35
+7			11.7	
cb			11.4	
N.L.			11.0	431.1

1+50		442.05		
N.L.			7.9	434.2
cb			7.3	
+2			7.2	
+6			8.4	
+7			9.2	
¼			9.0	
℄			8.8	433.2
+6			8.7	
+8			8.6	
¼			8.8	
+5			10.1	
cb			10.4	
S.L.			10.7	431.4
1+75				
S.L.			6.8	435.3
cb			5.9	
+7			5.3	
¼			4.4	
+5			4.8	
℄			4.8	437.3
¼			4.8	
+3			5.1	
+4			4.8	
cb			4.3	
N.L.			4.1	438.0

2+00	442.05			
N.L.			0.1	442.0
cb			0.0	
¼			0.6	
℄			0.6	441.5
+6			0.7	
+8			0.3	
¼			0.4	
cb			0.7	
S.L.			1.1	441.0
T.P.	12.10	454.14	0.01	442.04
2+25				
S.L.			8.0	446.1
cb			7.8	
¼			8.4	
+3			8.9	
℄			8.7	445.4
¼			8.2	
cb			7.3	
N.L.			7.6	446.5

2+50	454.14			
N.L.			3.5	450.6
cb			3.5	
+5			3.7	
¼			4.7	
℄			5.2	448.9
¼			5.0	
+5			4.9	
+6			4.2	
cb			4.2	
S.L.			4.4	449.7
2+75				
S.L.			1.1	453.0
cb			1.4	
¼			2.1	
℄			2.2	451.9
¼			1.9	
+5			0.8	
cb			0.7	
N.L.			1.6	452.5

454.14

3+00			
NL		2.6	451.5
cb		1.8	
1/4		2.3	
℄		2.3	451.8
1/4		1.9	
+6		0.9	
cb		0.6	
S.L.		0.5	453.6
3+25			
S.L		1.4	452.7
cb		1.4	
+4		1.6	
1/4		2.8	
℄		3.5	450.6
1/4		3.6	
cb		3.9	
NL		5.0	449.1
3+50			
NL		10.8	443.2
cb		9.1	
+5		8.8	
1/4		7.1	
℄		6.6	447.5
1/4		6.0	
+3		4.7	

3+50	454.14		
cb		4.3	
S.L.		3.4	450.7
3+75			
S.L.		6.2	447.9
cb		7.3	
+6		8.3	
1/4		9.4	
℄		9.7	444.4
1/4		10.2	
cb		13.0	
N.L		15.3	438.8
10N		16.8	
T.P.	10.50	453.01	11.63	442.51
4+00			
15N		21.4	
N.L.		17.5	435.5
cb		15.8	
1/4		12.2	
℄		11.0	442.0
1/4		11.0	
cb		9.8	
S.L.		8.5	444.5

= E.L Republic.

4+35.6	453.01			
S.L.		9.7	443.3	
cb		11.3		
1/4		12.5		
℄		12.9	440.1	
1/4		13.1		
cb		17.2		
N.L.		19.9	433.1	
15N		23.1		

bolt in Base Flagpole N Side Tooley 300'W of Republic.

B.M.		1.06	451.95	(451.95)

X Sec Tooley from E.L Winnett to W.L Oriole.

B.M	12.72	429.36	416.64

E.L Tooley = 0+00 on South = 0+02½ on North.

N.L.		10.9	418.5
cb		11.3	418.1
+1		12.4	417.0
1/4		13.3	416.1
℄		13.7	415.7
1/4		14.7	414.7
cb		15.3	414.1
S.L.		16.7	412.7

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0+12.5

S.L		12.6	416.8
cb		11.5	417.9
1/4		10.5	418.9
+8		10.7	418.7
℄		11.3	418.1
1/4		10.8	418.6
+7		10.7	418.7
cb		9.4	420.0
N.L.		9.2	420.2

429.36

0+50				
N.L.			7.0	422.4
cb			6.7	422.7
+3			6.9	422.5
+4			8.0	421.4
¼			8.1	421.3
℄			8.2	421.2
+6			7.6	421.8
¼			7.4	422.0
cb			8.3	421.1
S.L.			8.6	420.8
0+75				
S.L			4.3	425.1
cb			4.0	
¼			4.0	
℄			4.1	425.3.
¼			4.2	
+5			4.2	
+6			3.5	
cb			3.5	
N.L.			3.4	426.0

1+00	429.36			
NL			0.6	428.8
cb			0.2	
+3			0.3	
+4			1.7	
¼			1.6	
℄			1.6	427.8
+4			1.6	
+5			1.0	
¼			1.2	
+2			1.8	
+4			0.8	
cb			0.9	
S.L.			1.2	428.2
T.P.	12.68	442.01	0.03	429.33
1+25				
SL.			10.6	431.4
cb			10.5	
¼			10.4	
+5			10.6	
+6			11.1	
℄			11.3	430.7
¼			11.3	
+5			11.4	
+6			10.8	
cb			10.6	
N.L.			11.2	430.8

1+50	442.01			
N.L.			8.7	433.3
cb			7.7	
+5			8.0	
+6			8.6	
1/4			8.5	
℄			8.1	433.9
+5			7.8	
+6			7.5	
1/4			7.3	
cb			7.3	
S.L.			7.1	434.9
1+75				
S.L.			3.6	438.5
cb			3.6	
1/4			3.2	
+3			4.0	
+4			4.7	
℄			5.1	436.9
1/4			5.5	
+3			5.5	
+4			5.3	
cb			5.3	
N.L.			6.3	435.7

2+00	442.01		
N.L.		3.1	438.9
cb		2.3	
1/4		2.5	
℄		2.5	439.5
+8		2.3	
1/4		1.6	
+6		1.3	
cb		0.3	
S.L.		0.2	441.8
T.P.	6.19	448.05	0.15	441.86
2+25			
S.L.		4.5	443.5
cb		5.5	
1/4		6.3	
℄		6.6	441.4
1/4		6.7	
cb		7.2	
N.L.		7.9	440.1

448.05

2+50			
N.L.	8.1	439.9	
cb	7.1		
1/4	6.5		
+6	5.9		
+7	5.4		
℄	5.4	442.6	
1/4	5.3		
+7	5.3		
cb	2.7		
S.L.	2.1	445.9	
2+75			
S.L.	2.7	445.4	
cb	3.8		
+3	5.6		
1/4	5.8		
℄	5.8	442.3	
+2	6.9		
1/4	7.8		
cb	8.8		
N.L.	10.0	438.1	
10N	10.8		

448.05

3+00		
10N	13.8	
N.L.	12.6	435.5
cb	11.1	
1/4	9.5	
℄	8.1	440.0
+4	7.0	
1/4	7.2	
+9	6.9	
cb	5.9	
+2	5.0	
S.L.	3.4	444.7
3+25		
S.L.	5.3	442.8
+5	6.5	
cb	8.1	
1/4	8.3	
+5	8.2	
℄	9.4	438.7
+5	10.5	
1/4	11.0	
cb	12.8	
N.L.	14.7	433.4
15N	17.0	

	448.05	
3+50		
15N	20.2	
N.L.	17.1	431.0
cb	14.5	
1/4	12.4	
+8	11.2	
℄	10.3	437.8
+5	8.7	
1/4	8.9	
+7	8.8	
+8	8.0	
cb	8.1	
+4	7.7	
S.L.	5.1	443.0
3+75		
S.L.	6.4	441.7
cb	6.4	
1/4	8.5	
+3	8.4	
℄	11.6	436.5
+5	13.1	
1/4	14.7	
Cb	16.8	
N.L.	17.8	430.3
15N	21.6	

	448.05	
4+00		
15N	20.4	
N.L	17.1	431.0
cb	15.0	
1/4	13.6	
+8	12.7	
℄	11.8	436.3
+8	7.6	
1/4	7.7	
cb	7.6	
+5	6.7	
S.L.	5.6	442.5
W.L. Oriole 4+36^{6} on South = 4+38^{7} on North		
SL	2.4	445.7
+3	3.7	
cb	4.7	
1/4	5.5	
+2	5.2	
℄	7.4	440.7
+4	8.7	
1/4	9.6	
cb	11.3	
N.L	13.3	434.8
15N	16.4	

44805

3 cornered guard stake S.W. Tooley & Oriole.

B.M.	-	-	1.99	446.06	
T.P.	0.03	435.06	13.02	435.03	
T.P.	0.81	423.02	12.85	422.21	
B.M.	Beginning		6.39	416.63	(416.64)

1/30/29
Moore

Cross Section of Myrtle ST 60' wide 10' curbs 10' 1/4 s

Boundary To N/c

NW BP ✓	9.56	32191'	312.35	USPOS FEITON

OB = EL Boundary = 42.6 on section

S gutter on paving		6.87	315.04
1/4	" "	6.44	314.47
C	" "	6.21	315.70
1/4	" "	6.09	314.82
N gutter	" "	6.00	315.91

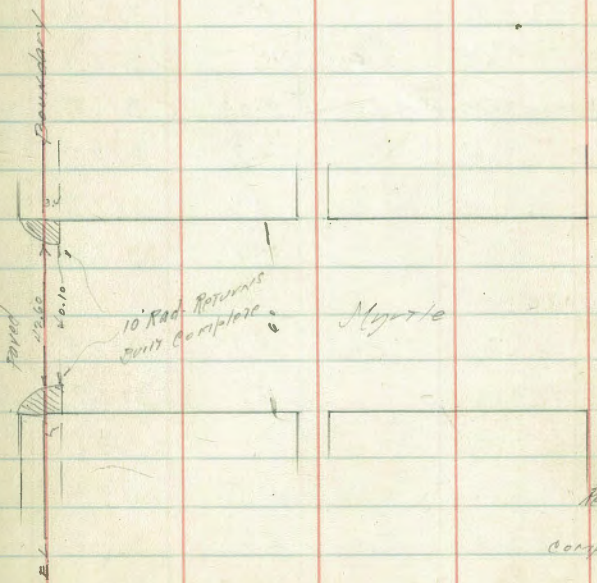
00 + 3.4 ex North + 0+5 ex South = end curb returns

NL	Top Cor return (conc)	5.7	316.2
cb	" " " "	5.9	316.62
gut		5.7	316.2
1/4		5.9	316.0
C		6.1	315.8
1/4		6.2	315.7
gut		6.7	315.2
cb	Top curb return (conc)	6.36	315.55
SL	" Cor. " "	6.29	315.62

0+50

S		5.7	316.2
cb		5.6	316.3
1/4		5.4	316.5
C		5.3	316.6
1/4		4.8	317.1
cb		4.8	317.1
N		4.7	317.2

Plotted M.C.H. 1/31/29



3.21.91

1+00			
℄		4.8	317.1
cb		4.8	317.1
1/4		4.8	317.1
C		5.0	316.9
1/4		5.1	316.8
cb		4.7	317.2
S		5.4	316.7
1+46			
S		5.4	316.5
cb		5.3	316.6
1/4		5.0	316.9
C = 8" C.I. Sewer ℄ existing M.H.		5.03	316.9
1/4		4.7	317.2
cb		4.6	317.3
℄		4.4	317.5
2+00			
℄		4.0	317.9
cb		4.0	317.9
1/4		4.3	317.6
C		4.5	317.4
1/4		4.7	317.2
cb		4.9	317.0
S		4.8	317.1
2+50			
S		3.6	318.3
cb		3.6	318.3

3.21.91

Myrtle ST

1/4		3.4	318.5
C		3.4	318.5
1/4		3.3	318.6
cb		3.1	318.8
℄		3.0	318.9
2+68			
℄		2.9	319.0
cb		3.0	318.9
73		3.4	318.5
1/4		3.4	318.5
C		3.2	318.7
1/4		3.4	318.5
cb		3.4	318.5
S		3.6	318.3
2+91			
S		3.6	318.3
cb		3.7	318.2
1/4		3.9	318.0
C		3.7	318.2
15		5.2	316.7
1/4		5.7	316.2
cb		5.4	316.5
℄		4.8	317.1
2+96 - 14" N.I.P. = 30' wide 14 CURBS 13 1/4"			
℄		5.9	316.0
cb 7" b CEM RETURN		6.28	315.63

gut		6.X	315.5
+S		6.N	315.7
1/4		6.X	315.5
+S		6.9	315.6
C		6.1	315.8
1/4		6.1	315.8
gut		6.5	315.4
cb Top cem return		6.81	315.10
S		6.X	315.5
	N curb on N/e		
S Top cem curb		6.88	315.03
gut		7.6	314.3
cb		7.6	314.3
1/4		7.5	314.4
C		7.X	314.5
1/4		7.1	314.8
cb		7.1	314.8
N gut		71	314.8
N Top cem		6.30	315.61
	W 1/4		
N		6.9	315.0
cb		6.9	315.0
1/4		7.0	314.9
C		7.0	314.9
1/4		7.N	314.7
cb		7.3	314.6
S		7.3	314.6

	℄ N/e		
S		7.X	314.5
cb		7.N	314.7
1/4		7.1	314.8
C		7.0	314.9
1/4		6.9	315.0
cb		6.9	315.0
N		6.8	315.1
	E 1/4		
N		7.1	314.8
cb		7.1	314.8
1/4		7.N	314.7
C		7.N	314.7
1/4		7.3	314.6
cb		7.5	314.4
S		7.6	314.3
	E curb		
S Top cem		7.3X	314.57
gut		8.1	313.8
cb		8.1	313.8
1/4		8.0	313.9
C		7.7	314.2
1/4		7.6	314.3
cb		7.5	314.4
gut		7.7	314.2
N Top cem curb		6.8X	315.09

3219/

EL Nile ST

NL			6.6	315.3
NCB Top conc return			6.83	315.08
QUT			7.2	314.7
1/4			7.0	314.9
C			7.0	314.9
1/4			7.4	314.5
QUT			7.5	314.4
SCUB Top conc return			7.36	314.55
S			7.1	314.8
ON SEBP	Myrtle Nile		7.35	314.56
T.P.	5.68	322.37	5.32	316.59
T.P.	10.12	324.32	8.07	314.20
TO NEBP Myrtle 33d		322.06	2.8	322.04

0.02 error

Sec Alley Blk 36 Parish & Loomis 2-13-29 mill.
Bet E & F Sts & 26th & 27th Sts

007 (1962) office Record

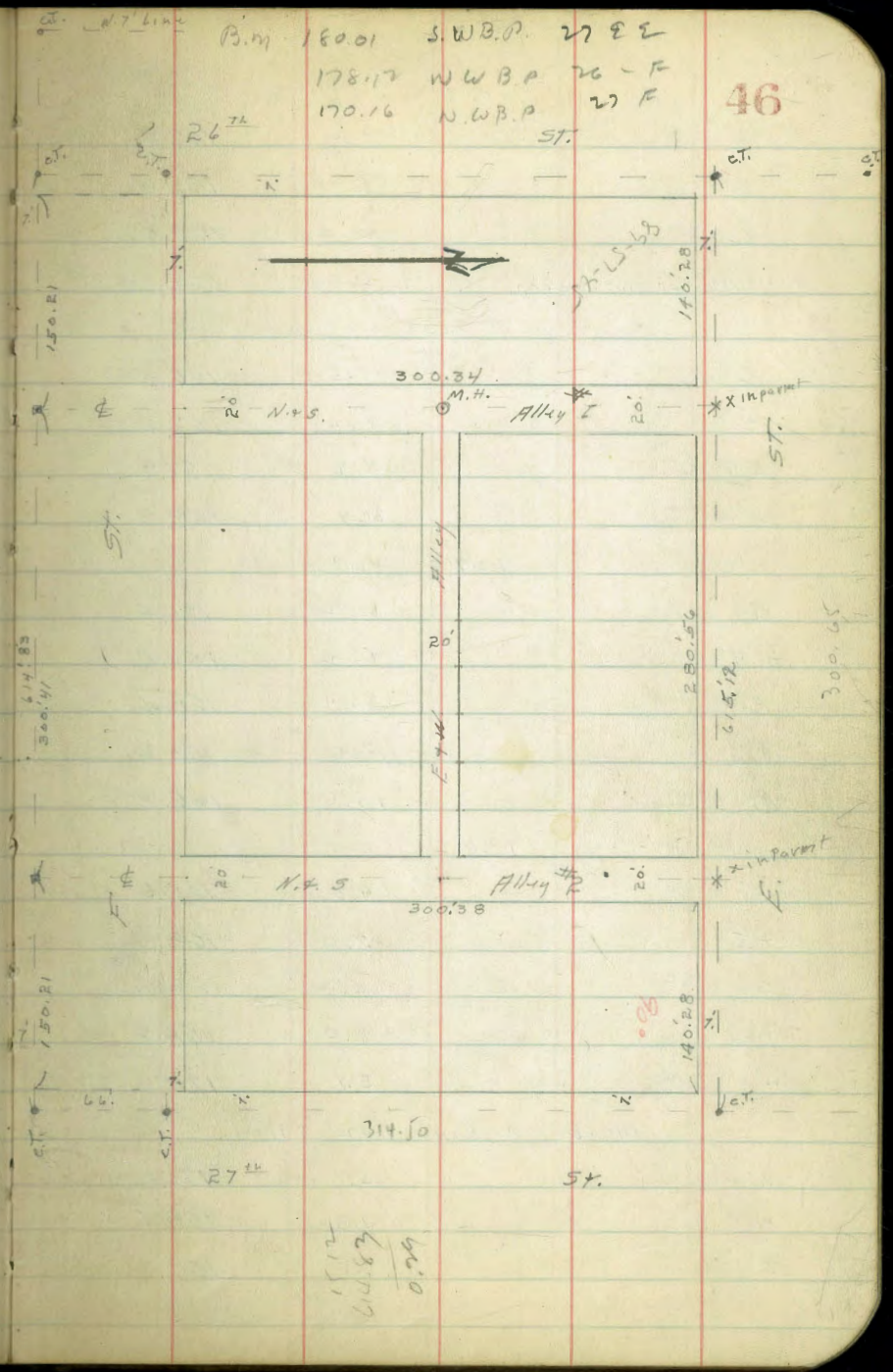
B.M. B.P.	1.05	189.06		188.01	N.W. 26th & E. Sts.
T.P.	0.78	176.80	13.04	176.02	

N & S. Alley 1st Alley E. of 26th St.

00 = S. Line E. St.

W.		9.35	167.45	cmt. ck
W		9.81	166.99	pavmt
C		11.00	165.80	"
E		12.14	164.66	" & Curb
	20's			
E - 0.10		9.72	167.08	Top cmt wall Con Line
E		10.4	166.4	
C		10.2	166.6	
W		9.7	167.1	
	60's			
W		9.1	167.7	
C		9.3	167.5	
+9.4 W. edge cmt. wall		9.4		
E on Top Wall		9.10	166.70	
	67.8 S = S. end cmt. wall			
	80's			
E - 0.10 = cmt walk		9.94	166.86	
E		10.2	166.6	
C		9.5	167.3	
W		9.1	167.7	

Plotted 2-19-29 EBH.



176.80

100' S

W	9.2	167.6
C	9.9	166.9
E	10.2	166.6
+0.10 Top cmt porch	8.40	168.20 ✓

115.5

E	10.5	166.3
C	9.2	167.6
+6	8.9	167.9
W	6.9	169.9

127' S

W	6.2	170.6
+4	8.2	168.6
C	8.4	168.4
+8	8.6	168.2
E	10.6	166.2

130.5

E	9.3	167.5
+5	8.0	168.8
C	8.2	168.6
+6	8.0	168.8
W	5.9	170.9

140.5 = N. Line E+W. Alley

W	5.7	171.1
C	7.3	169.5
E	9.1	167.7

176.80

150.9 = ℄ E+W Alley

E	9.2	167.6
+6	6.7	170.1
C on top M.H	6.4	170.4
W	5.3	171.5

160' S = S. Line E+W. Alley

W	5.0	171.8
C	6.3	170.5
+9	6.5	170.3
E	9.0	167.8

162' S = N. End garage on E. Line Wood floor

E	6.2	170.6 floor ✓
C	6.3	170.5
W	5.0	171.8

175' S = garage on E. line Wood floor 0.7 Back

W	4.7	172.1
C	5.9	170.9
E	6.3	170.5 floor ✓

179.5 = S. Line Garage

E-15	11.7	165.1
E-1	9.7	167.1
E	6.7	170.4
C.		
W		

182' S. Tree stump 2' Diam. W. edge 7' E. of ℄

176.80

189'.5

E-1.5		11.0	
E-0.5		8.3	
E		6.0	170.8
C		5.3	171.5
W		4.2	172.6

198'.5. Pepper Tree 2' Diam W. edge 8.7 E of ℄ Alley

215'.5

W		2.1	174.7
+4		4.0	172.8
C		4.7	172.1
+8		5.4	171.4
+9		7.4	169.4
E		7.5	169.3
+10		10.0	166.8

234' S.

E-5		6.6	170.2 on wood porch
E		6.5	170.3 on wood porch
+2		5.1	171.7
C		4.0	172.8
+6		3.7	173.1
W.		2.2	174.6

235' S.

W		2.1	174.7
+4		3.6	173.2
C		3.9	172.9
E		5.0	171.8

E+0.3 = N. edge House

176.80

260'.5

E-0.4 = House.

E		4.8	172.0
C		3.6	173.2
+6		3.1	173.7
W		0.1	176.7

276' S.

W		0.0	176.8
+4		3.0	173.8
C		3.3	173.5
+7.5		3.9	172.9
E		4.7	172.1

E+0.6 Wall House.

277'.5.

E-5		5.4	171.4
E		5.4	171.4
+2		5.3	171.5
+3		3.8	173.0
C		3.3	173.5
+6		3.0	173.8
W		0.0	176.8

300'.5 = N. Line F. St.

W		+0.5	177.3
+5		1.7	175.1
C		2.5	174.3
+7		3.2	173.6
+8		4.9	171.9
E		5.0	171.8

176.80

E & W. Alley

00 = E. Line N & S. Alley E. of 26th St.

N			9.1	167.7
e			9.2	167.6
S			9.0	167.8
T.P.	0.26	164.84	12.22	167.58
		15' E		
S			1.4	163.2
e			2.2	162.6
N			1.3	163.5
		35' E.		
N			7.0	157.8
e			6.6	158.2
S			6.3	158.5

Plotted 2/19/29 CSH

from 48' E to 56' E. shadow N. 1.0 in Alley

		65' E		
S			10.6	154.2
e			10.7	154.1
N			10.4	154.4
T.P.	0.18	152.04	12.98	151.86

9.5' E of garage on N. 4.5 Back cmt. floor

N - 4.5			0.65	151.39 floor ✓
N - 1.5			0.85	151.19 cmt Apron
N			0.9	151.1
e			0.9	151.1
S			0.5	151.5

105' E of garage on S dirt floor 3' Back 152.04 ✓

" " " N. cmt. floor 4.5 " ✓

S		1.8	150.2 floor
e		1.7	150.3
N		2.1	149.9
+ 2.0		2.15	149.89 cmt. apron
+ 4.5		2.19	149.85 " floor.

110' E. = W. edge double garage on N. cmt. floor 4.5 Back

N - 4.5		2.65	149.39 cmt. floor ✓
N - 2'		2.72	149.22 " Apron
N		2.6	149.4
e		2.3	149.7
S		2.6	149.4

128' E. = E. edge above double garage ✓

S		4.5	147.5
e		4.6	147.4
+ 4		4.6	147.4
N		2.9	149.1
+ 2		2.83	149.21 cmt. apron ✓
+ 4.5		2.72	149.32 " floor ✓

130' E

N.		5.5	146.5
e.		4.8	147.2
S.		4.7	147.3

145' E.

S		7.0	145.0
e		7.8	144.2
N		8.0	144.0

152.04

T.P.	6.70	146.46	12.28	139.76
		170'E		
N.			8.0	138.5
C			7.9	138.6
S			7.4	139.1
		195'E		
S			12.0	134.5
C			11.9	134.6
N			11.8	134.7
		210'E		
-10			13.0	133.5
N			13.3	133.2
C			13.3	133.2
S			13.4	133.1
+10			14.2	132.3
		230'E		
-10			15.0 / 17.5	In ditch
-1			14.5 / 17.2	" "
S			13.5	133.0
C			12.3	134.2
N			13.5	133.0
+10			13.1	133.4
		250'E		
-10			12.7	133.8
N			13.0	133.5
C			12.9	133.6

146.46

S.		12.3	134.2
+10		12.5	
	280'E = W. Line N & S. Alley #2 W. of 27th		
S		8.0	138.5
C		7.8	138.7
N		6.5	140.0
	N & S. Alley #2 W. of 27th St		
	00 = N. Line F. St.		
W		10.3	136.2
C		10.2	136.3
+2		10.2	136.3
E		5.5	141.0
	from 0.0 to 45.5 N House on W		1'4 at. 00 O.H. = 45.5 N. ✓
	25'N		
E		5.0	141.5
+2		8.0	138.5
+1		8.9	137.6
C		9.2	137.3
W.		9.2	137.3
	50'N.		
W		9.8	136.7
C		9.2	137.3
+9		7.5	139.0
E		6.3	140.2

Plotted 2-12-29 - GB H.

		146.46		
		80'N.		
E			5.3	141.2
+1			7.9	138.6
E			9.0	137.5
W			9.8	136.7
		105'N		
W			9.3	137.2
E			8.5	138.0
E			6.4	140.1
	140'N = S. Line E+W. Alley			
E			4.-	142.3
+4			6.2	140.3
E			6.7	139.8
W			8.0	138.5
	150'N = ℄ E.&W. Alley			
W			7.8	138.7
E			6.1	140.4
+6			5.6	140.9
E			3.8	142.7
	160'N = N. Line E+W. Alley			
E			3.2	143.3
+3			4.5	142.0
E			5.0	141.5
W			6.5	140.0

		146.46		
		185'N		
N			5.5	141.0
E			3.0	143.5
+8			2.9	143.6
E			1.7	144.8
T.P.	12.95	158.53	0.88	145.58
		210'N.		
E			11.4	147.1
+1			12.6	145.9
E			12.6	145.9
W			16.1	142.4
+10			18.4	140.1
		258'N		
-10			14.4	144.1
W			12.4	146.1
E			10.3	148.2
+9			9.8	148.7
E			8.6	149.9
		263'N		
E			8.3	150.2
+1			9.5	149.0
E			9.8	148.7
+6			11.0	147.5
W			14.2	144.3
+10			14.6	143.9

158.53

285' N.

W. -10			13.1	
W			12.3	146.2
+7			6.9	151.6
E			6.8	151.7
+8			6.2	152.3
E			7.1	151.4
+10			5.5	153.0
		295 N.		
-10			4.7	153.8
E			5.9	152.6
+3			4.5	154.0
E			5.5	153.0
+6			6.5	152.0
W			8.5	150.0
+10			11.9	146.6
	300' N. = S. Line E. St.			
N.			6.24	151.29 ctr Pavmt.
E			4.71	153.82 Pavmt
E			3.17	155.36 "
E			2.56	155.97 cmt. ctr.
T.P.	12.45	170.95	0.03	158.50
T.P.	11.39	182.17	0.17	170.78
chk on B.M. S.W. 27th & E			2.02	180.15 = 180.02
chk on first T.P. Page 46			6.15	176.02 = 176.02

B.M.s do not chk.

9/28/32 Survey of Improvements Alley Blk 36 Parrish + Loomis

Miller Walker Henderson

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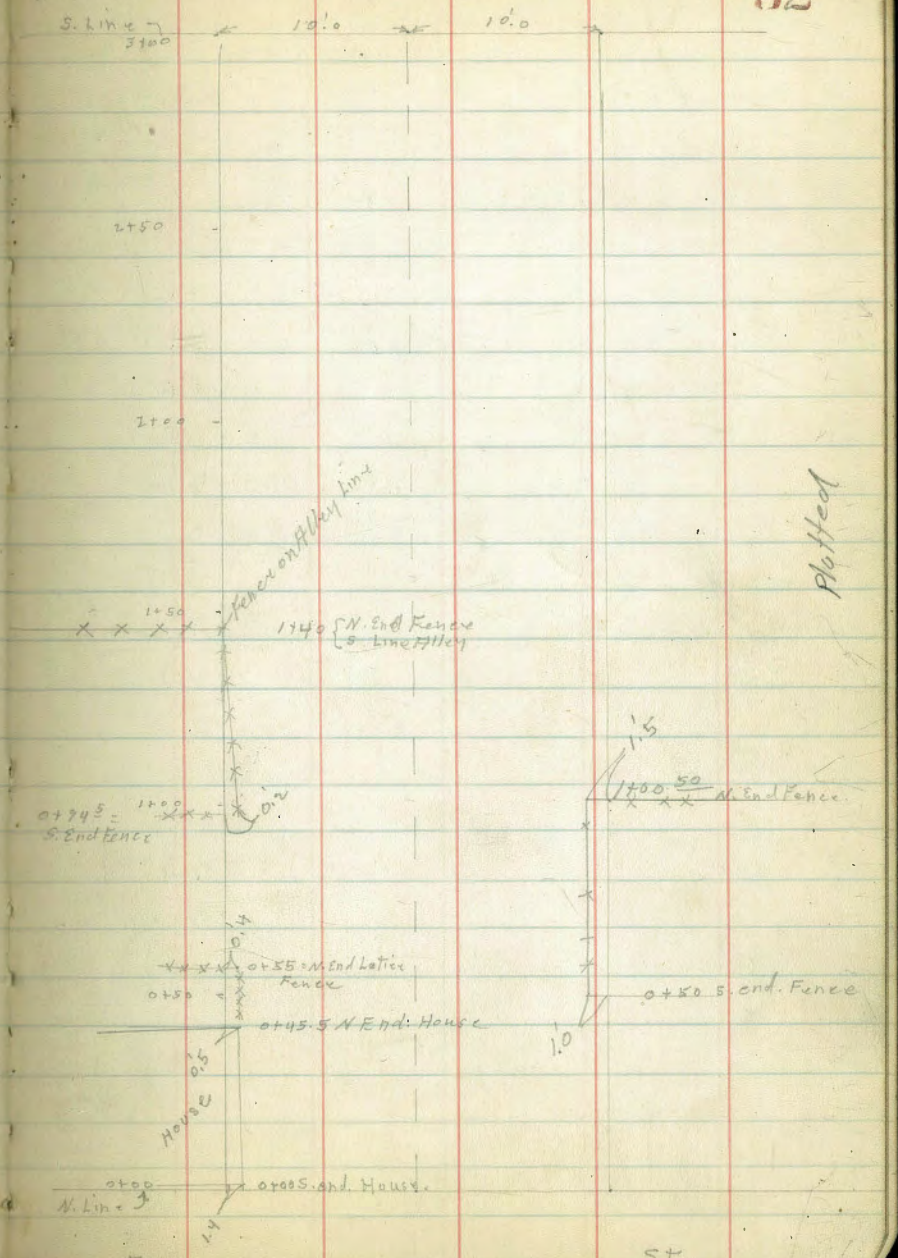


B.M.	0.92	416.97		416.05	
	0.54	404.51	13.00	403.97	
	0.18	391.69	13.00	391.51	
	0.06	378.88	12.87	378.82	
	0.25	366.20	12.93	365.95	
	0.02	353.42	12.80	353.40	
	2.30	340.72	13.00	340.42	
B.M.			10.74	329.98	
T.P.	0.07	328.22	12.57	328.15	
	0.22	315.69	12.75	315.47	
	2.73	306.27	12.15	303.54	
					.59
B.M.			6.22	300.05	300.64
Feb 1x1 by Hub			5.71	300.56	

3-7-29 X-section - Milbrae Street - Ocean View Blvd. to Harding Street. - Improved with curb + sidewalks from Harding to Franklin - 50' wide, 10' cbs, 7½' 1/4s

J. C. Bliss
Drebert
Rayner

B.M. N.W. B.P. 38th A +5 — 89.90
+1.67 — 91.57 — -13.12 — 78.45
+0.00 — H.I. 78.45
N.L. Ocean View = 0+00 - Paved

Plotted 3-22-29. - E Brittain

W	8.5	70.0
W-T cb	8.20	70.25
G	8.81	69.64
1/4	8.41	70.04
¢	8.04	70.41
1/4	7.94	70.51
G	8.00	70.45
E-T cb	7.24	71.21
+5	6.5	71.95
E	5.3	73.2
0+02		
E	4.5	74.0
cb	5.4	73.1
+1	7.1	71.4
+5	8.2	70.3
1/4	8.2	70.3
¢	8.2	70.3
1/4	8.5	70.0
cb	8.6	69.9
+3	8.2	70.3
W	8.5	70.0

H.I. 78.45

0+25		
W	9.4	69.1
+7	9.2	69.3
cb	9.8	68.7
1/4	10.0	68.5
¢	9.8	68.7
1/4	9.7	68.8
+3	9.6	68.9
cb	7.5	71.0
+1	5.4	73.1
E	4.6	73.9
0+50		
E	5.9	72.6
+8	7.3	71.2
cb	9.3	69.2
+3	11.2	67.3
1/4	11.1	67.4
¢	11.0	67.5
1/4	11.1	67.4
cb	11.2	67.3
+4	10.2	68.3
W	10.5	68.0
0+75		
W	11.8	66.7
+7	12.5	66.0
cb	12.3	66.2

H.I. 78.45

1/4		12.3	66.2
℄		12.2	66.3
1/4		12.3	66.2
cb		11.7	66.8
+3		9.3	69.2
E		8.0	70.5
	1+00		
E		11.0	67.5
cb		13.2	65.3
1/4		13.5	65.0
℄		13.4	65.1
1/4		13.5	65.0
cb		13.5	65.0
W		13.1	65.4
T.P- Prob Hub West Side Sta 1+00		-13.10	65.35
	+1.49		
	H.I. 66.84		
	1+25		
W.		3.1	63.7
cb		3.1	63.7
1/4		3.0	63.8
℄		2.8	64.0
1/4		2.7	64.1
cb		2.2	64.6

H.I. 66.84

E	0.3	66.5
1+50		
E	0.8	66.0
+8	1.6	65.2
cb	2.6	64.2
1/4	3.5	63.3
℄	3.4	63.4
1/4	3.6	63.2
cb	3.7	63.1
W	3.7	63.1
1+75		
W	4.2	62.6
cb	4.1	62.7
1/4	4.0	62.8
℄	4.0	62.8
1/4	4.4	62.4
cb	3.5	63.3
E	1.8	65.0
2+00		
E	3.3	63.5
cb	4.6	62.2
1/4	5.2	61.6
℄	4.9	61.9
1/4	5.1	61.7
cb	5.1	61.7
+4	4.7	62.1

W	46	62.2
2+25		
W	5.4	61.4
cb	6.1	60.7
1/4	6.0	60.8
℄	6.0	60.8
1/4	5.5	61.3
cb	4.9	61.9
E - Concrete Drive at E.L	4.36	62.38
2+50		
E	4.7	62.1
+5	5.4	61.4
cb	6.0	60.8
1/4	6.2	60.6
℄	6.4	60.4
1/4	6.4	60.4
cb	6.5	60.3
W	6.3	60.5
2+75		
W	7.1	59.7
cb	6.8	60.0
1/4	6.8	60.0
℄	6.7	60.1
1/4	6.6	60.2
cb	6.4	60.4

E	5.5	61.3
3+09 ℄ = S.L. Franklin 30' wide 5' cbs		
E	5.9	60.9
cb	6.3	60.5
1/4	6.8	60.8
℄	7.0	59.8
1/4	7.5	59.3
+4	8.1	58.7
cb	8.0	58.8
+3	7.4	59.4
W	7.5	59.3
S cb Franklin		
W	7.8	59.0
+7	8.2	58.6
cb	8.6	58.2
+3	8.0	58.8
1/4	7.5	59.3
℄	7.1	59.7
1/4	6.8	60.0
cb	6.4	60.4
E	6.0	60.8
℄ Franklin		
E	7.2	59.6
cb	7.1	59.7 59.5
1/4	7.3	~~64.5~~

℄	7.7	59.1
1/4	8.2	58.6
cb	8.6	58.2
W	9.1	57.7
N cb Franklin		
W	8.9	57.9
cb	8.6	58.2
1/4	8.0	58.8
℄	7.6	59.2
1/4	7.5	59.3
cb	7.4	59.4
E	6.8	60.0

Note On N 1/4 of Franklin & 3' West of E.L. Milbrae there is an Inlet Grating to an 18" Concrete Culvert.

Shot on Grating	7.74	59.10
" " Flow line Culvert	10.07	56.77
N.L. Franklin 0+00 ± Start of Curb & Walk		
E	6.1	60.7
Tp cb	6.80	60.04
G	7.1	59.7
1/4	7.4	59.4
℄	7.5	59.3
1/4	8.0	58.8
G	8.3	58.5

Tp cb	7.82	59.02
W	7.8	59.0
T.P - N.W. Top Pillar Franklin & Milbrae	-5.66	61.18
0+25		
W Tp cb	6.85	59.99
G	7.5	59.3
1/4	7.0	59.8
℄	6.6	60.2
1/4	6.6	60.2
G	6.7	60.1
E Tp cb	5.91	60.93
0+50		
E Tp cb	5.04	61.80
G	5.7	61.1
1/4	5.7	61.1
℄	5.7	61.1
1/4	6.2	60.6
G	6.4	60.4
W Tp cb	5.83	61.01
0+75		
W	4.87	61.97
G	5.7	61.1
1/4	5.2	61.6
℄	4.7	62.1
1/4	4.9	61.9

H.I. 66.84

G		4.7	61.9
E Tpcb		4.1 ✓	62.72
	1+00		
E Tpcb		3.20	63.64
G		4.0	62.8
1/4		3.9	62.9
℄		3.8	63.0
1/4		4.3	62.5
G		4.8	62.0
W Tpcb		3.95	63.09
	1+25		
W Tpcb		2.95	63.79
G		3.8	63.0
1/4		3.2	63.6
℄		2.8	64.0
1/4		2.9	63.9
G		3.1	63.7
E Tpcb		2.21	64.63
	1+50		
E Tpcb		1.37	65.52
G		2.2	64.6
1/4		1.8	65.0
℄		1.8	65.0
1/4		2.2	64.6
G		2.4	64.4

W Tpcb		1.90	64.9
	1+75		
W Tpcb		1.10	65.74
G		1.3	65.5
1/4		1.1	65.7
℄		0.8	66.0
1/4		0.9	65.9
G		1.2	65.6
E Tpcb		0.42	66.42
T.P			-0.00 66.84
	+ 11.23		
		H.I. 78.07	
	1+90		
E Tpcb		11.17	66.95
G		11.8	66.3
1/4		11.4	66.7
℄		11.4	66.7
1/4		11.7	66.4
G		12.1	66.0
W Tpcb		11.62	66.55
	2+00		
W Tpcb		11.00	67.07
G		11.5	66.6
1/4		11.1	67.0
℄		10.8	67.3

1/4	11.0	67.1
G	11.0	67.0
E Tpcb	10.5 ✓	67.55
	2+25	
E Tpcb	9.0 ✓	69.05
G	9.6	68.5
1/4	9.5	67.6
℄	9.4	68.7
1/4	9.7	68.4
G	10.0	68.1
W Tpcb	9.3 ✓	68.75
	2+50	
W Tpcb	7.6 ✓	70.45
G	8.7	69.4
1/4	8.1	70.0
℄	7.8	70.3
1/4	8.0	70.1
G	8.0	70.1
E Tpcb	7.55	70.52
	2+75	
E Tpcb	6.10	71.97
G	6.2	71.9
1/4	6.3	71.8
℄	6.2 ✓	71.9
1/4	6.7	71.4

G	7.0	71.1
W Tpcb	5.93	72.14
	3+00	
W Tpcb	4.3 ✓	73.75
G	5.4	72.7
1/4	4.9	73.2
℄	4.4	73.7
1/4	4.8	73.3
G	4.8	73.3
E Tpcb	4.37	73.50
	3+25	
E Tpcb	3.01	75.06
G	3.6	74.5
1/4	3.3	74.8
℄	3.0	75.1
1/4	3.3	74.8
G	3.5	74.6
W Tpcb	2.66	75.41
	3+50	
W Tpcb	0.95	77.12
G	2.0	76.1
1/4	1.7	76.4
℄	1.4	76.7
1/4	1.8	76.3
G	2.4	75.7

H.I. 78.07

E Tpcb		15-8	76.49
	3+75		
E Tpcb		0.03	78.04
G		0.5	77.6
1/4		0.3	77.8
T.P.		-0.60	77.47
	+6.97		
	H.I. 84.44		
℄		6.3	78.1
1/4		6.4	78.0
G		6.8	77.6
W.Tpcb		5.74	78.70
	4+00		
W Tpcb		4.17	80.27
G		5.0	79.4
1/4		5.1	79.3
℄		5.0	79.4
1/4		5.3	79.1
G		5.3	79.1
E Tpcb		4.83	79.61
	4+75		
E-Tpcb		3.34	80.90
G		4.0	80.4
1/4		3.4	81.0

H.I. 84.44

60

℄		3.1	81.3
1/4		3.2	81.2
G		3.5	80.9
W Tpcb		2.50	81.94
	4+40 65 - S.L. Harding		
W Tpcb		1.47	82.97
G		2.4	82.0
1/4		2.3	82.1
℄		2.2	82.2
1/4		2.5	81.9
G		3.0	81.4
E Tpcb		2.45	81.99
T.P.		-13.11	71.33
	+1.10	72.43	
T.P. N.W. Top Pillar Franklin & Milbrae		-11.24	61.19
			Correct 61.18
B.M. N.W. Top Pillar Milbrae & Franklin			61.18
	+11.70 = 72.90		
E.L. Milbrae - 1 Foot - Toward 38th			
1+55 ℄ 10' Garage 1' Back N.L. Dirt Floor (In Basement Stucco House)		2.3	
1+73 ℄ Bottom Step Concrete-in Stucco House → 1' Back N.L.		0.37	
196 - ℄ to 1' Garage 1' Back S.L. - Dirt Floor		1.0	

3-7-29 X-section Franklin St. 38th to 37th
J.C. Bliss St. 30' Wide 5' cbs 20' Roadway.
Drebert
Rauner

B.M. N.W. Top Pillar Franklin & Milbrae 61.18
+12.07
H.I. 73.25

El. Milbrae = 0+00

N		12.5	60.8
cb		13.3	60.0
℄		13.4	59.9
cb		12.5	60.8
S		12.3	61.0
	0+25		
S		11.5	61.8
cb		11.7	61.6
℄		12.2	61.1
cb		11.6	61.7
N		11.1	61.2
	0+50		
N		9.5	63.8
cb		9.7	63.6
℄		10.5	62.8
cb		10.4	62.9
S		10.2	63.1
	0+75		
S		8.8	64.5
cb		9.1	64.2
℄		9.1	64.2

Plotted 3/30-29- CBH.

H.I. 73.25

cb		8.3	65.0
N		7.9	65.4
1+00			
N		5.9	67.4
cb		6.5	66.8
℄		7.5	65.8
cb		7.7	65.6
S		7.7	65.6
1+25			
S		5.1	68.2
cb		5.2	68.1
℄		5.1	68.2
cb		4.3	69.0
N		4.0	69.3
1+50			
N		2.5	70.8
cb		2.9	70.4
℄		3.0	70.3
cb		3.1	70.2
S		3.3	70.3
1+75			
S		1.6	71.7
cb		1.7	71.6
℄		1.7	71.6
cb		1.6	71.7

H.I. 73.25

N		1.0	72.3
T.P.	2+00		
T.P.		-1.49	71.76
	+6.56		
	H.I. 78.32		
	2+00		
N		2.4	75.9
+2		5.0	73.3
cb		5.4	72.9
℄		5.5	72.8
cb		5.5	72.8
S		5.4	72.9
	2+25		
S		4.8	73.5
cb		4.7	73.6
℄		4.6	73.7
cb		4.7	73.6
+3		4.3	74.0
N		2.0	76.3
	2+50		
N		3.2	75.1
cb		3.8	74.5
℄		3.8	74.5
cb		3.7	74.6
S		3.0	74.7

H.I. 78.32

62

2+75 = W.L. 38th St (Regular Alley)

Note- There are 2 returns at 38th & Franklin- One at the N.L. Franklin & one 20' South.

S	2.6	75.7
cb	2.5	75.8
+5 - Tp existing return	2.42	75.90
Gutter	3.0	74.3
℄	2.9	75.4
cb	2.7	75.6
Gutter	2.6	75.7
Tp existing return at N.L. Franklin	2.10	76.22
T.P.		-12.94 65.38
+0.06	H.I. 65.44	
W.L. Milbrae = 0+00		
N	6.4	59.0
cb	7.6	57.8
℄	7.7	57.7
cb	6.4	59.0
S	6.3	59.1
0+25		
S	7.4	58.0
cb	7.6	57.8
℄	8.2	57.2
cb	8.1	57.3
N	8.0	57.4

H.1.65.44

0+50

N	8.4	57.0
cb	8.4	57.0
℄	8.4	57.0
cb	8.0	57.4
S	8.5	56.9

0+75

S	8.3	57.1
cb	8.5	56.9
℄	8.6	56.8
cb	8.6	56.8
N	8.2	57.2

1+00

N	8.7	56.7
cb	8.8	56.6
℄	8.8	56.6
cb	8.6	56.8
S	8.9	56.5

1+25

S	8.9	56.5
cb	8.8	56.6
℄	9.0	56.4
cb	8.9	56.5
N	9.0	56.4

1+50

N	8.0	57.4

cb	8.8	56.6
℄	9.1	56.3
cb	9.0	56.4
S	9.4	56.0

1+75

S	9.3	56.1
cb	9.2	56.2
℄	9.2	56.2
cb	8.7	56.7
N	7.1	58.3

2+00

N	6.4	59.0
cb	9.2	56.2
℄	9.3	56.1
cb	9.1	56.3
S	9.2	56.2

2+25

S	9.3	56.1
cb	9.5	55.9
℄	9.7	55.7
cb	9.6	55.8
tv	9.3	56.1
N	6.1	59.3

2+50

N	9.9	55.5

H.I. 65.44

cb	10.1	55.3
℄	10.4	55.0
cb	10.4	55.0
S	10.3	55.1

R + 7.5 = E.L. 37th

There are regular Alley returns at 37th & Franklin. One at the N.L. Franklin & one 20' South

S	10.4	55.0
cb	10.4	55.0
+S - Top existing return	10.15	55.29
Gutter	10.6	54.8
℄	10.3	55.1
cb	10.4	55.0
Gutter	10.2	55.2
N - Top existing return at N.L. Franklin	9.94	55.50

T.P - Prop. Hub Sta. 1+00 N.L. Nilbroe		-0.11	65.33
	+11.87		77.20
T.P.		-0.41	76.79
	+8.94		85.73
T.P.		-3.96	81.77
	+10.19		91.96
B.M. S.E. B.P. 37th & S		-9.11	82.85
		Correct	82.82

3-8-29 J.C. Bliss Drobert Rauner

X-section - La Jolla Blvd - Sea Lane

to N.L. Pearl - 40' Roadway from Sea Lane to Marine - 46.6' Wide from Marine to Angle Point - 52' Roadway from Angle Point to Pearl

64

B.M. N.E. B.P. - Sea Lane & La Jolla Blvd 70.51

+3.31

H.I. 73.82

N.L. Sea Lane = 0+00

E Tpcb		3.32	70.50
G		3.85	69.97
¼		3.73	70.09
℄		3.75	70.07
¼		4.15	69.67
G		4.80	69.02
W Tpcb		4.35	69.47
	0+25		
W Tpcb		4.40	69.42
G		4.92	68.90
½		4.25	69.57
℄		3.78	70.05
¼		3.93	69.89
G		3.93	69.89
E Tpcb		3.42	70.40
	0+50		
E Tpcb		3.54	70.28
G		4.00	69.82
½		3.86	69.96
℄		3.89	69.93

H.I. 73.82

1/4		4.39	69.43
G		4.99	68.83
W Tpcb		4.46	69.36
	0+75		
W Tpcb		4.57	69.25
G		5.00	68.82
1/4		4.34	69.48
℄		3.96	69.86
1/4		4.00	69.82
G		4.14	69.68
E Tpcb		3.61	70.21
	1+00		
E Tpcb		3.72	70.10
G		4.24	69.58
1/4		4.04	69.78
℄		4.07	69.75
1/4		4.54	69.28
G		5.12	68.70
W Tpcb		4.63	69.19
	1+25		
W Tpcb		4.73	69.09
G		5.20	68.62
1/4		4.66	69.15
℄		4.12	69.70
1/4		4.15	69.67

H.I. 73.82

G		4.22	69.60
E Tpcb		3.70	70.12
	1+47 = SL. Alley East Side		
E Tpcb		3.74	70.08
G		4.28	69.54
1/4		4.15	69.67
℄		4.23	69.59
1/4		4.77	69.05
G		5.31	68.51
W Tpcb		4.85	68.97
	1+50 = SL. Alley West side		
Tpcb		4.90	68.92
G		5.36	68.46
	1+65 = NL. Alley west side		
Tpcb		4.82	69.00
G		5.32	68.50
	1+67 = N.L. Alley East side		
W Tpcb		4.79	69.03
G		5.34	68.48
1/4		4.65	69.17
℄		4.20	69.62
1/4		4.16	69.66
G		4.33	69.49
E Tpcb		3.76	70.06

H.I. 738 ✓

2+00

E Tpcb	3.91	69.91
G	4.45	69.37
1/4	4.31	69.51
℄	4.32	69.50
1/4	4.82	69.00
G	5.47	68.35
W Tpcb	4.90	68.92

2+25

W Tpcb - Driveway	5.50	68.32
G	5.50	68.32
1/4	4.26	69.06
℄	4.46	69.42
1/4	4.46	69.36
G	4.60	69.22
E Tpcb - Driveway	4.60	69.22

2+50

E Tpcb	4.12	69.70
G	4.66	69.16
1/4	4.54	69.28
℄	4.57	69.25
1/4	4.97	68.85
G	5.47	68.35
W Tpcb	5.09	68.73

H.I. 738 ✓

2+63 = E.C. Return on East Side

W Tpcb	5.12	68.70
G	5.63	68.19
1/4	5.03	68.79
℄	4.62	69.20
1/4	4.57	69.25
G	4.69	69.13
E Tpcb	4.15	69.67

2+75

E Tpcb on Return	4.10	69.72
G	4.68	69.14
+12 = cb Line La Jolla Blvd.	4.74	69.08
1/4	4.60	69.22
℄	4.67	69.15
1/4	5.09	68.73
G	5.66	68.16
W Tpcb	5.18	68.64

3+00

W Tpcb	5.30	68.52
G	5.78	68.04
1/4	5.23	68.59
℄	4.80	69.02
1/4	4.65	69.17
cb Line	4.65	69.17
+7 = Gutter	4.75	69.07
E Tpcb on Return	4.14	69.68

738 v

3+15 = S.L. Marine - 60' Wide 10' cbs 10' 1/4s

E Tp cb on Return	3.90	69.92
G	4.47	69.35
+ 25 = cb Line	4.78	69.04
1/4	4.96	68.86
℄	5.20	68.62
1/4	5.38	68.44
G	5.86	67.96
W Tp cb	5.30	68.52
T.P. N.W. 7' Tact La Jolla x Marine	-3.72	70.10
+ 6.84		

H.I. 76.94

X-section Marine St at Jog in La Jolla Blvd from W.L. La Jolla Blvd to E.L. La Jolla Blvd - 60' wide 10' cbs 10' 1/4s

W.L. La Jolla Blvd

N Tp cb	8.45	68.49
G	8.92	68.02
1/4	8.44	68.50
℄	8.36	68.58
1/4	8.60	68.34
G	9.23	67.71
S Tp cb	8.50	68.44

10' W cb La Jolla

Tp cb S.L. Marine	8.51	68.43
G	9.06	67.88
cb	8.93	68.01

H.I. 76.94

1/4	8.38	68.56
℄	8.50	68.44
1/4	8.22	68.72
N cb Line in Alley	8.54	68.40

W 1/4 La Jolla

N cb Line in Alley	8.57	68.37
1/4	8.06	68.88
℄	7.89	69.05
1/4	8.10	68.84
cb	8.56	68.38
S	8.62	68.32

℄ La Jolla Blvd =

S	8.43	68.51
cb	8.25	68.69
1/4	7.87	69.07
℄	7.64	69.30
1/4	7.82	69.12
G	8.19	68.75
N Tp cb	7.74	69.20

E 1/4 La Jolla

N Tp cb	7.47	69.47
G	7.98	68.96
1/4	9.69	67.25
℄	7.47	69.47
1/4	7.68	69.26

H.I. 76.94

cb	7.93	69.01
S	811	68 83
E cb. La Jolla		
S	7.99	68.95
cb	7.64	69.30
1/4	7.37	69 57
℄	7.72	69. 72
1/4	7.41	69 53
G	7.74	69.20
N Tp cb	7.20	69 74
E.L. La Jolla		
N Tp cb	6.97	69 97
G	7.65	69.29
1/4	7.30	69.64
℄	7.10	69 84
1/4	7.29	69.65
cb	7.68	69 26
S	7.86	69.08
E.L. La Jolla + 11 = R.I. N cb La Jolla Blvd Jog + n (E.L. Marine)		
Out 5 - Tp cb on Return	7.24	69.70
G	7.77	69.17
S	7.67	69.27
cb	7.43	69.51
1/4	7.02	69 92
℄	6.89	70.05

1/4	7.07	69 92
cb	7.37	69.57
+ 5.5 - End return - Gutter	7.44	69 50
Tp cb	6.99	69.95
14 E.L. La Jolla + 75		
N	6.82	70 12
cb	6.70	70.24
1/4	6.61	70 33
℄	6.53	70 41
1/4	6.80	70 14
cb	7.19	69.75
+ 5.9. G on Return	7.42	69 52
Tp cb on Return	6.91	70 03
E.L. La Jolla + 50 = E.C. S E. Return		
S Tp cb	6.15	70 79
G	6.74	70.20
1/4	6.30	70 64
℄	6.05	70 89
1/4	6.09	70 85
cb	6.32	70 72
N	6.10	70 84
Section along E.L. La Jolla Blvd Jog		
E.L. + 55 on S cb Line E.L. + 76 on N cb Line		
N. Tp cb	5.41	71 53
G	5.98	70.96

76.94

1/4	5.80	71.14
℄	5.76	71.18
1/4	6.02	70.92
G	6.58	70.36
5 Tpcb	6.00	70.94
T.P. N.W. 7' Pt Marine La Jolla		70.10
+5.92		
H.I.	76.02	

Section Along N.L. Marine

W. Tpcb	5.96	70.06
G	6.54	69.48
1/4	5.85	70.17
℄	5.30	71.72
1/4	5.17	70.85
G	5.11	70.91
E Tpcb	4.60	71.42
0+00 = See Sketch Pg 74		
E Tpcb	5.11	70.91
G	4.50	71.41
1/4	5.08	70.94
℄	5.10	70.92
1/4	5.63	70.39
G	6.37	69.65

H.I. 76.02

W Tpcb	5.80	70.22
0+25		
W Tpcb	5.68	70.34
G	6.25	69.77
1/4	5.36	70.66
℄	4.93	71.09
1/4	4.95	71.07
G	4.92	71.10
E Tpcb	4.40	71.62
0+50		
E Tpcb	4.26	71.56
G	4.80	71.22
1/4	4.75	71.27
℄	4.74	71.28
1/4	5.30	70.72
G	6.07	69.95
W Tpcb	5.52	70.50
0+75		
W Tpcb	5.37	70.65
G	5.97	70.05
1/4	5.04	70.98
℄	4.63	71.39
1/4	4.60	71.42
G	4.60	71.42
E Tpcb	4.10	71.92

H.I. 76.0 ±

1+00

E Tp cb	3.93	72.09
G	4.50	71.52
1/4	4.40	71.62
℄	4.44	71.58
1/4	5.08	70.94
G	5.78	70.24
W Tp cb	5.25	70.77

1+21.70 - See sketch Page 74

W Tp cb	5.15	70.87
G	5.66	70.36
1/4	4.70	71.32
℄	4.33	71.69
1/4	4.26	71.76
G	4.32	71.70
E Tp cb	3.79	72.23

Section of ℄ PT = 0+00 - See sketch Page 74

E Tp cb	3.52	72.50
G	4.16	71.86
1/4	4.20	71.82
℄	4.28	71.74
1/4	4.88	71.14
G	5.66	70.36
W Tp cb	5.15	70.87

0+25

W Tp cb	5.62	70.40

G	6.18	69.84
1/4	5.27	70.75
℄	4.72	71.30
1/4	4.58	71.44
G	4.54	71.48
E Tp cb	3.94	72.08

0+50

E Tp cb	4.37	71.65
G	5.03	70.99
1/4	5.02	71.00
℄	5.13	70.89
1/4	5.74	70.28
G	6.63	69.39
W Tp cb	6.03	69.99

0+75

W Tp cb	6.48	69.54
G	7.07	68.95
1/4	6.18	69.84
℄	5.53	70.49
1/4	5.37	70.55
G	5.49	70.53
E Tp cb	4.81	71.21

1+00

E Tp cb	5.23	70.79
G	5.96	70.06

H.I. 76.02

1/4	5.84	70.18
℄	5.97	70.05
1/4	6.46	69.56
G	7.47	68.55
W Tp cb	6.88	69.14
1+25		
W Tp cb	7.34	68.68
G	7.96	68.06
1/4	7.03	68.99
℄	6.39	69.63
1/4	6.26	69.76
G	6.33	69.69
E Tp cb	5.64	70.38
1+50		
E Tp cb	6.10	69.92
G	6.81	69.21
1/4	6.75	69.27
℄	6.91	69.11
1/4	7.52	68.50
G	8.35	67.67
W Tp cb	7.75	68.27
1+75		
W Tp cb	8.23	67.79
G	8.77	67.25
1/4	7.86	68.16

℄	7.34	68.68
1/4	7.10	68.92
G	7.20	68.82
E Tp cb	6.56	69.46
2+00		
E Tp cb	7.06	68.96
G	7.72	68.30
1/4	7.58	68.44
℄	7.78	68.24
1/4	8.44	67.58
G	9.24	66.78
W Tp cb	8.63	67.39
2+25		
W Tp cb	9.03	66.99
G	9.63	66.39
1/4	8.80	67.22
℄	8.40	67.62
1/4	7.96	68.06
G	8.18	67.84
E Tp cb	7.50	68.52
2+50		
E Tp cb	7.45	68.07
G	8.57	67.45
1/4	8.52	67.50
℄	8.60	67.42

H.I. 76.0

1/4	9.31	66.71
G	10.02	66.00
W Tpcb	9.40	66.62
2+75		
W Tpcb	9.85	66.17
G	10.52	65.50
1/4	9.59	66.43
℄	9.04	66.98
1/4	8.84	67.18
G	9.00	67.02
E Tpcb	8.33	67.69
3+00		
E Tpcb	8.72	67.30
G	9.34	66.68
1/4	9.28	66.74
℄	9.47	66.55
1/4	10.06	65.96
G	10.86	65.16
W Tpcb	10.30	65.72
3+25		
W Tpcb	10.74	65.28
G	11.34	64.68
1/4	10.50	65.52
℄	9.95	66.07
1/4	9.74	66.28

H.I. 76.0

G	9.79	66.23
E Tpcb	9.12	66.90
3+50		
E Tpcb - Driveway	10.30	65.72
G	10.30	65.72
1/4	10.26	65.76
℄	10.47	65.55
1/4	11.10	64.92
G	11.80	64.22
W Tpcb	11.20	64.82
3+75		
W. Tpcb	11.61	64.41
G	12.26	63.76
1/4	11.35	64.67
℄	8.86	67.16
1/4	10.65	65.37
G	10.70	65.32
E Tpcb	10.08	65.94
4+00 = St. Peak	80' wide 13' 1/4s	
E Tpcb on return	10.35	65.67
G	11.08	64.94
℄	11.16	64.86
1/4	11.05	64.97
℄	11.21	64.81
1/4	11.92	64.10

H.I. 76.02

G	12.60	63 42	
W Top cb	12.00	64 02	
T.P.		-9.34	66.68
+2.25			

H.I 68.93

5 cb Pearl

W.L. cb Top	5.08	63 85
G	5.69	63 24
cb	5.31	63 62
1/4	4.81	64 12
℄	4.27	64 66
1/4	4.26	64 67
cb	4.24	64 69
E	4.02	64 91
+15 = East end S.E Return in Driveway	2.32	66.61

5 1/4 Pearl

E	4.02	64 91
cb	4.32	64 61
1/4	4.26	64 67
℄	4.30	64 63
1/4	4.69	64 24
cb	5.00	63 93
W	5.25	63.68

H.I. 68.93

73

℄ Pearl

W	5.16	63 77
cb	4.99	63 94
1/4	4.74	64.19
℄	4.44	64.49
1/4	4.29	64 64
cb	4.41	64.52
E	4.01	64 92

N 1/4 Pearl

E	4.25	64 68
cb	4.55	64 38
1/4	4.43	64.50
℄	4.50	64.43
1/4	4.83	64 10
cb	5.14	63 79
W	5.44	63.49

N cb Pearl

W.L. Top cb	5.50	63 43
G	6.12	62.81
cb	5.72	63.21
1/4	5.06	63 87
℄	4.60	64 33
1/4	4.44	64 49
cb	4.62	64 31
G	4.66	64 27
E.L. Top cb	3.99	64.94

H.I. 68.93

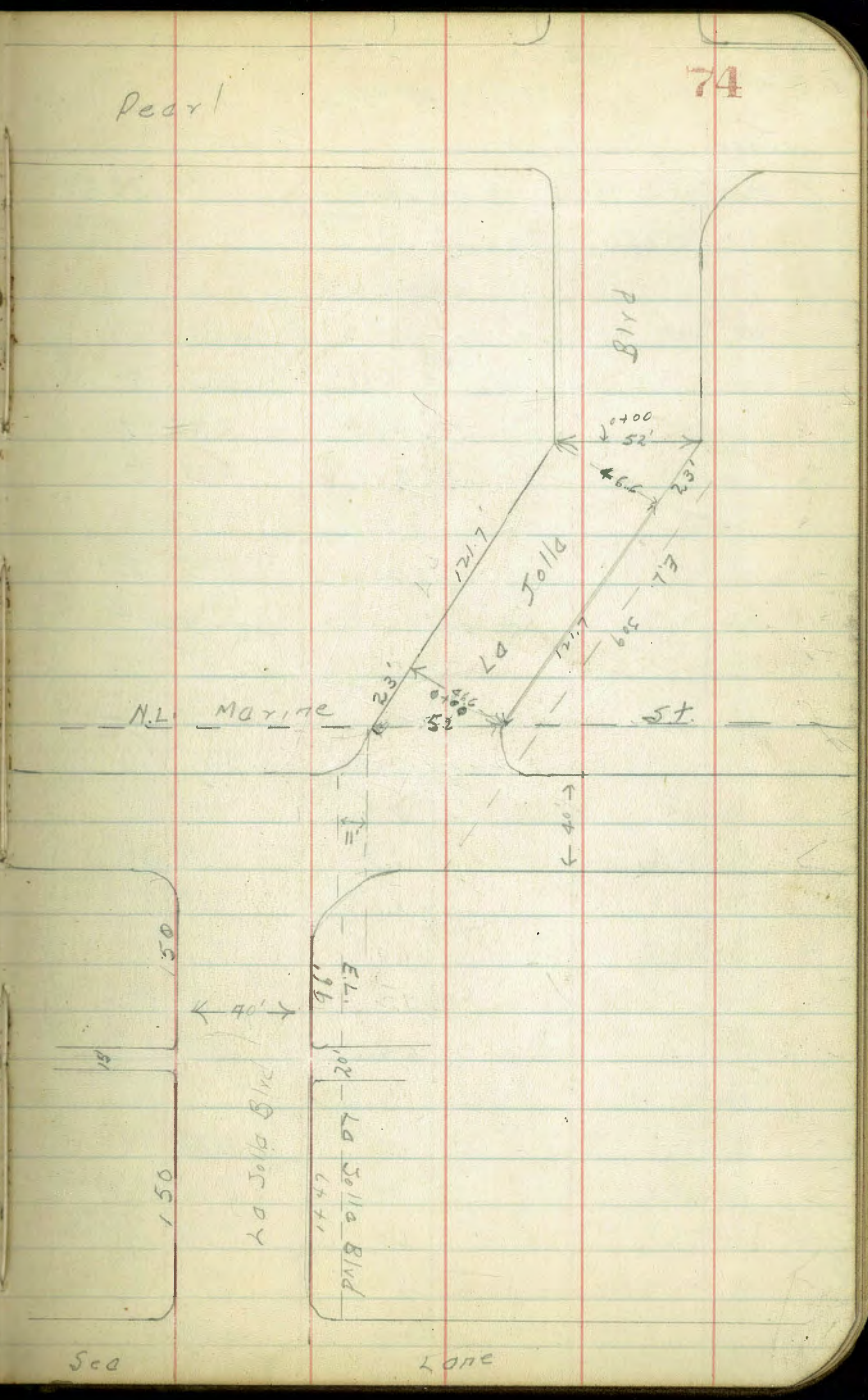
N.L. Pearl

E Tp cb	3.99	64.94
G	4.75	64.18
1/4	4.61	64.22
℄	4.66	64.27
1/4	5.18	63.75
G	6.13	62.80
W Tp cb	5.42	63.51

B.M. N.E.B.P. La Jolla Blvd + Pearl - 3.99 64.94

B.M. S.W. 1' Pt. La Jolla Blvd + Pearl - 4.72 64.21

∴ Correct 64.16



3-9-27
J.C.B/SS
Diebert
Rauner

X-section - Landis St - 36th to 38th - 14' cbs - 13' 1/4S

(B.13 Pg 50
4-17-29
J.C.

B.M. N.W. B.R. 36th + Landis - 335.25
+7.37

H.I. 342.62

EL. 36th on Pavement = 0+00

N Tpcb		6.88	335.74
G		7.55	335.07
1/4		7.29	335.33
℄		7.18	335.44
1/4		7.30	335.32
G		7.68	334.94
S Tpcb		7.10	335.52
	0+25		
S Tpcb		6.92	335.70
G		7.4	335.2
1/4		7.2	335.4
℄		6.8	335.8
1/4		6.9	335.7
G		7.2	335.4
N Tpcb		6.68	335.94
	0+50	6.8	
N Tpcb		6.31	336.31
G		6.8	335.8
1/4		6.5	336.1
℄		6.4	336.2
1/4		6.8	335.8

H.I. 342.62

75

G		7.1	334.5
S Tpcb		6.55	336.07
	0+75		
S Tpcb - Driveway		6.83	335.79
G		6.9	335.7
1/4		6.3	336.3
℄		6.0	336.6
1/4		6.2	336.4
G		6.7	335.9
N Tpcb - Driveway		6.70	335.92
	1+00		
N Tpcb		5.85	336.77
G		6.4	336.2
1/4		6.0	336.6
℄		5.8	336.8
1/4		6.2	336.4
G		6.5	336.1
S Tpcb		6.14	336.48
	1+40 ± W.L. Alley		
S Tpcb		5.82	336.80
G		6.3	336.3
1/4		5.7	336.9
℄		5.4	337.2
1/4		5.7	336.9
G		6.1	336.5

N Tp cb		5.34	337.28
		1460 = E.L. Alley	Note Alley is paved to cb line on North side
N Tp cb		5.05	337.57
G		5.7	336.9
1/4		5.3	337.3
℄		5.2	337.4
1/4		5.7	336.9
G		6.0	336.6
S Tp cb		5.55	337.07
		2+00	
S Tp cb		5.15	337.47
G		5.7	336.9
1/4		5.2	337.4
℄		4.8	337.8
1/4		5.1	337.5
G		5.4	337.2
N Tp cb		4.80	337.8
		2+25	
N Tp cb		4.52	338.10
G		5.1	337.5
1/4		4.8	337.8
℄		4.6	338.0
1/4		5.1	337.5
G		5.5	337.1
S Tp cb		4.94	337.68

		2+50	
S Tp cb		4.66	337.96
G		5.1	337.5
1/4		4.7	337.9
℄		4.5	338.1
1/4		4.6	338.0
G		4.7	337.9
N Tp cb		4.15	338.47
		2+75	
N Tp cb		3.89	338.73
G		4.4	338.2
1/4		4.4	338.2
℄		4.1	338.5
1/4		4.5	338.1
G		5.1	337.5
S Tp cb		4.43	338.19
		3+00 = W.L Cherokee	
S Tp cb		4.19	338.43
G		4.89	337.73
1/4		4.34	338.28
℄		4.04	338.58
1/4		4.03	338.59
G		4.32	338.30
N Tp cb		3.62	339.00

H.I. 342.6~

E.L. Cherokee = 0+00

N Tpcb		4.03	338.59
G		4.7~	337.90
1/4		4.43	338.19
℄		4.35	338.27
1/4		4.67	337.95
G		5.00	337.62
S Tpcb		4.29	338.33
	0+25		
S Tpcb		4.8~	337.80
G		5.3	337.3
1/4		4.8	337.8
℄		4.4	338.2
1/4		4.8	337.8
G		5.0	337.6
N Tpcb		4.50	338.1
	0+50		
N Tpcb		4.95	337.67
G		5.4	337.2
1/4		5.2	337.4
℄		5.1	337.5
1/4		5.4	337.2
G		5.8	336.8
S Tpcb		5.30	337.3
	0+75		
S Tpcb		5.80	336.82

G		6.4	336.2
1/4		5.7	336.9
℄		5.5	337.1
1/4		5.7	336.9
G		6.2	336.4
N Tpcb		5.52	337.10
	1+00		
N Tpcb		6.05	336.57
G		6.7	335.9
1/4		6.3	336.3
℄		6.1	336.5
1/4		6.4	336.2
G		6.9	335.7
S Tpcb		6.31	336.31
	1+40 = W.L. Alley		
S Tpcb		7.15	335.47
G		7.7	334.9
1/4		7.2	335.4
℄		6.9	335.7
1/4		7.2	335.4
G		7.4	335.2
N Tpcb		6.71	335.91
	1+60 = E.L. Alley		
N Tpcb		7.20	335.42
G		7.6	335.0

H.I. 342.6

1/4		7.5	335.1
℄		7.4	335.2
S 1/4 cb		7.7	334.9
G	2+00	8.0	334.6
S T.p cb		7.60	335.02
	2+00		
S Tp cb		8.40	33422
G		9.0	333.6
1/4		8.6	334.0
℄		8.2	334.4
1/4		8.2	334.4
G		8.6	334.0
N Tp cb		7.95	334.67
	2+25		
N Tp cb		8.48	334.14
G		9.2	333.4
1/4		8.9	333.7
℄		8.7	333.9
1/4		9.2	333.4
G		9.6	333.0
S Tp cb		9.00	333.6
	2+50		
S Tp cb		9.52	333.05
G		10.0	332.6
1/4		9.3	333.3

℄		9.1	333.5
1/4		9.4	333.2
G		9.8	332.8
N Tp cb		9.00	333.6
	2+75		
N Tp cb		9.53	333.09
G		10.2	332.4
1/4		9.8	332.8
℄		9.7	332.9
1/4		10.0	332.6
G		10.6	332.0
S Tp cb		10.09	332.53
	3+00 = W.L. 37th		
S Tp cb		10.60	332.02
G		11.10	331.52
1/4		10.88	331.74
℄		10.48	332.14
1/4		10.45	332.17
G		10.62	332.00
N Tp cb		9.93	332.69
B.M. N.W. & P. 37th & Landis			-10.07 332.55

Cont. in Book 1306-75

4-2-29
J.C. Bliss
Drebert
Rouner

569

Additional Notes on Milbrae & Franklin

B.M. N.W. Top Pillar Milbrae & Franklin 61.18
+11.72
H.I. 72.90 ✓
E.L. Milbrae = 0+00
1+55
℄ 10' Garage in basement Stucco House
1' Back N.L. Franklin - Dirt Floor 2.3 70.6
1+73
℄ Top of Bottom step in stucco House - Concrete 0.57 72.33
1' Back N.L. Franklin
1+96
℄ 10' Garage 14' Back S.L. Franklin - Dirt Floor 1.0 71.9

B.M. - N.W. Top Pillar Milbrae & Franklin 61.18
+5.69
H.I. 66.87 ✓
W.L. Milbrae = 0+00
0+76 = ℄ 12' Garage 8.5' Back of N.L.
Franklin - Dirt Floor 9.4 57.5
1+84
℄ 14' Garage 5' Back N.L. Franklin
Dirt Floor 7.9 59.0

H.I. 66.87

79

N.L. - Ocean View = 0+00
1+03 - Concrete Driveway 4.5' in street
from E.L. 0.86 66.01
1+54
Concrete steps 19' Back E.L. 0.00 66.87
1+01
Concrete Driveway 20' Back W.L. 1.74 66.13
1+20
Concrete steps 14' Back W.L. 2.21 64.66
1+40
Concrete drive - 20' Back W.L. 3.51 63.36
2+35
Concrete Steps 15' Back W.L. 5.40 61.47

All step shots are on top bottom step.

IMPROVED TABLES
AND
INFORMATION

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope 1½ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE No. 9.

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections.

Degree of curve with a given I may be found by dividing tangent, (or external), opposite I by given tangent, (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.

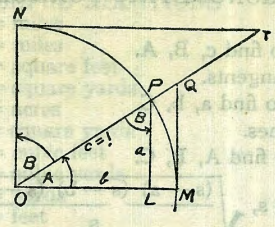


TABLE II

TRIGONOMETRIC FORMULÆ.

$\angle A = \angle MOP \qquad \angle B = \angle PON = \angle OPL$

$R = OB = c = 1$

$$\sin A = \frac{a}{c} = \frac{a}{1} = a = \cos B = LP$$

$$\cos A = \frac{b}{c} = \frac{b}{1} = b = \sin B = OL$$

$$\tan A = \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ$$

$$\cot A = \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT$$

$$\sec A = \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ$$

$$\csc A = \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT$$

$$\text{vers } A = \frac{LM}{OP} = LM = \text{covers } B \#$$

$$\text{covers } A = \frac{OP - LP}{OP} = OP - LP = \text{vers } B$$

$$\text{exsec } A = PQ = \text{coexsec } B$$

$$\text{coexsec } A = PT = \text{exsec } B$$

$$\sin \tfrac{1}{2} A = \sqrt{\frac{1 - \text{Cos } A}{2}} \qquad \cos \tfrac{1}{2} A = \sqrt{\frac{1 + \text{Cos } A}{2}}$$

$$\sin 2A = 2 \sin A \cos A \qquad \cos 2A = \cos^2 A - \sin^2 A$$

$$\text{Law of Sines} \quad \frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C}{C}$$

$$\text{Law of Cosines} \quad c^2 = a^2 + b^2 - 2ab \cos C$$

$$\text{Law of Tangents} \quad \frac{a+b}{a-b} = \frac{\tan \tfrac{1}{2}(A+B)}{\tan \tfrac{1}{2}(A-B)}$$

406.36
0.54
406.90
12.65
394.25
0.27
394.52
12.74
381.78
0.28
369.74
12.93
356.81
0.37
351.20
12.82
344.38
0.18
344.56
1.82
342.74

6.416

Winnetka Orange
Hub N.E 330.56

Oriole Sw Hub 329.86

Radio & Paradise Hub N.W. 351.36

298.0
292.5
5.5

263
167
96