1449

ATLANTIC ST.

HARRISTHY TO BROADWAY

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.

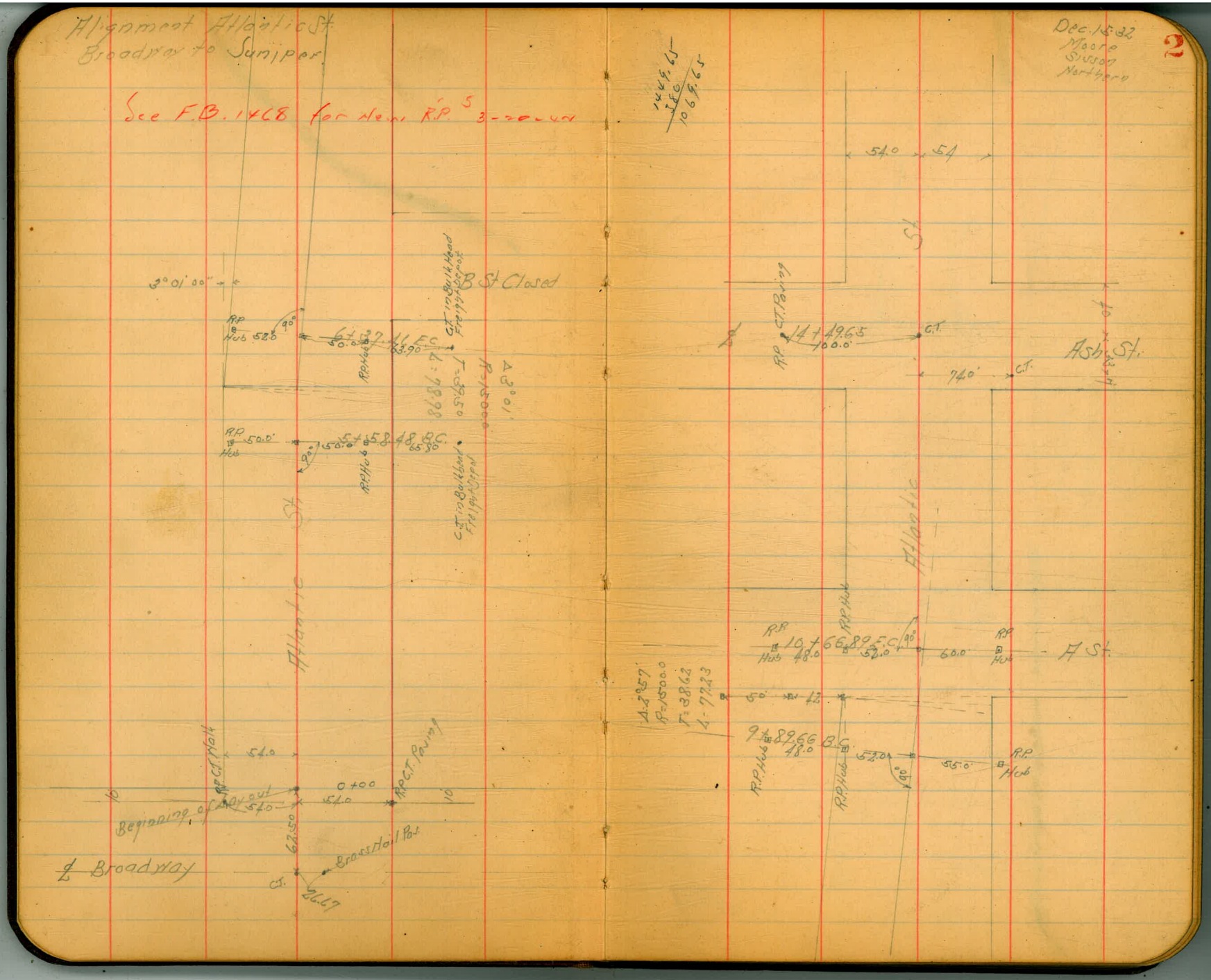
No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

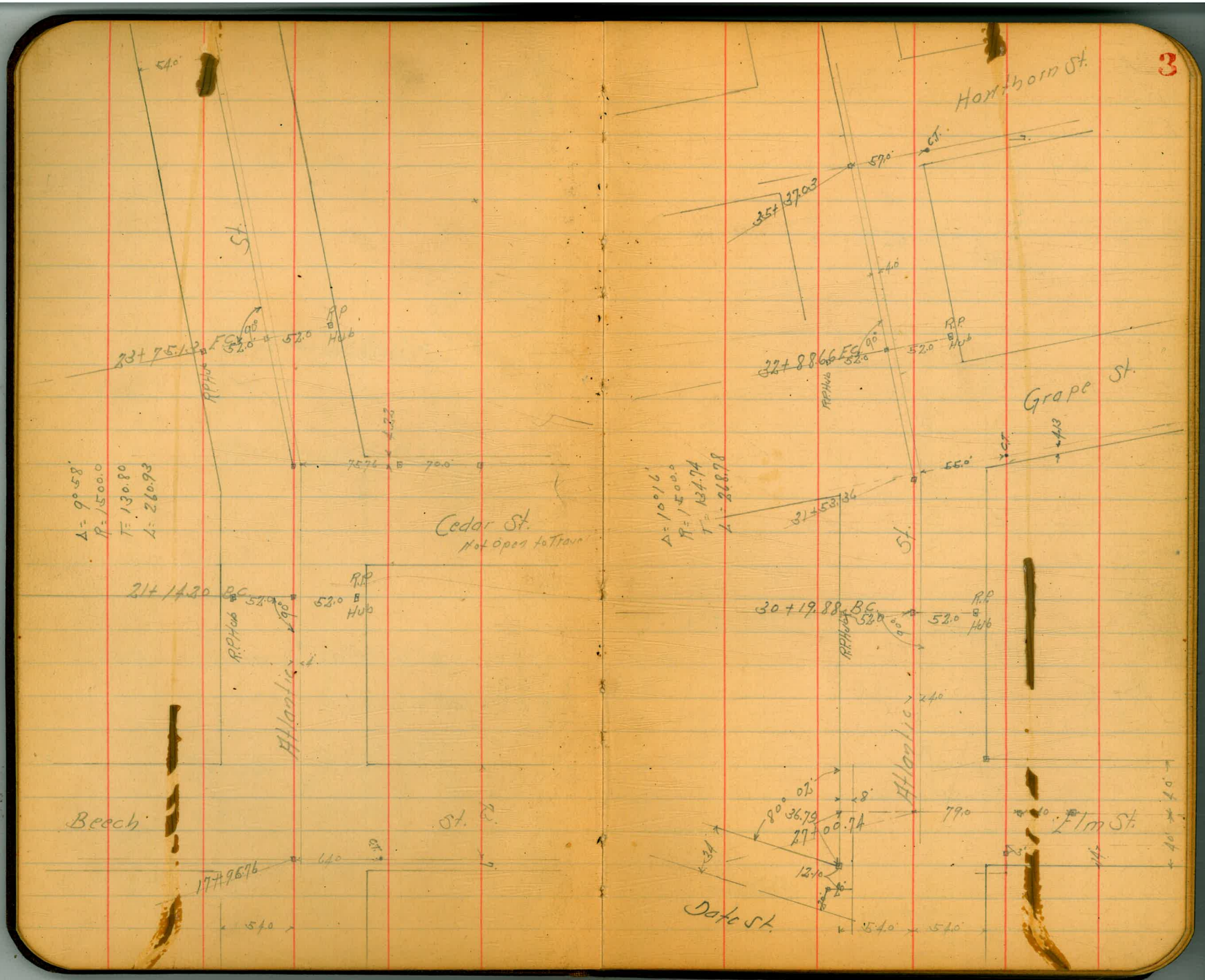
No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.

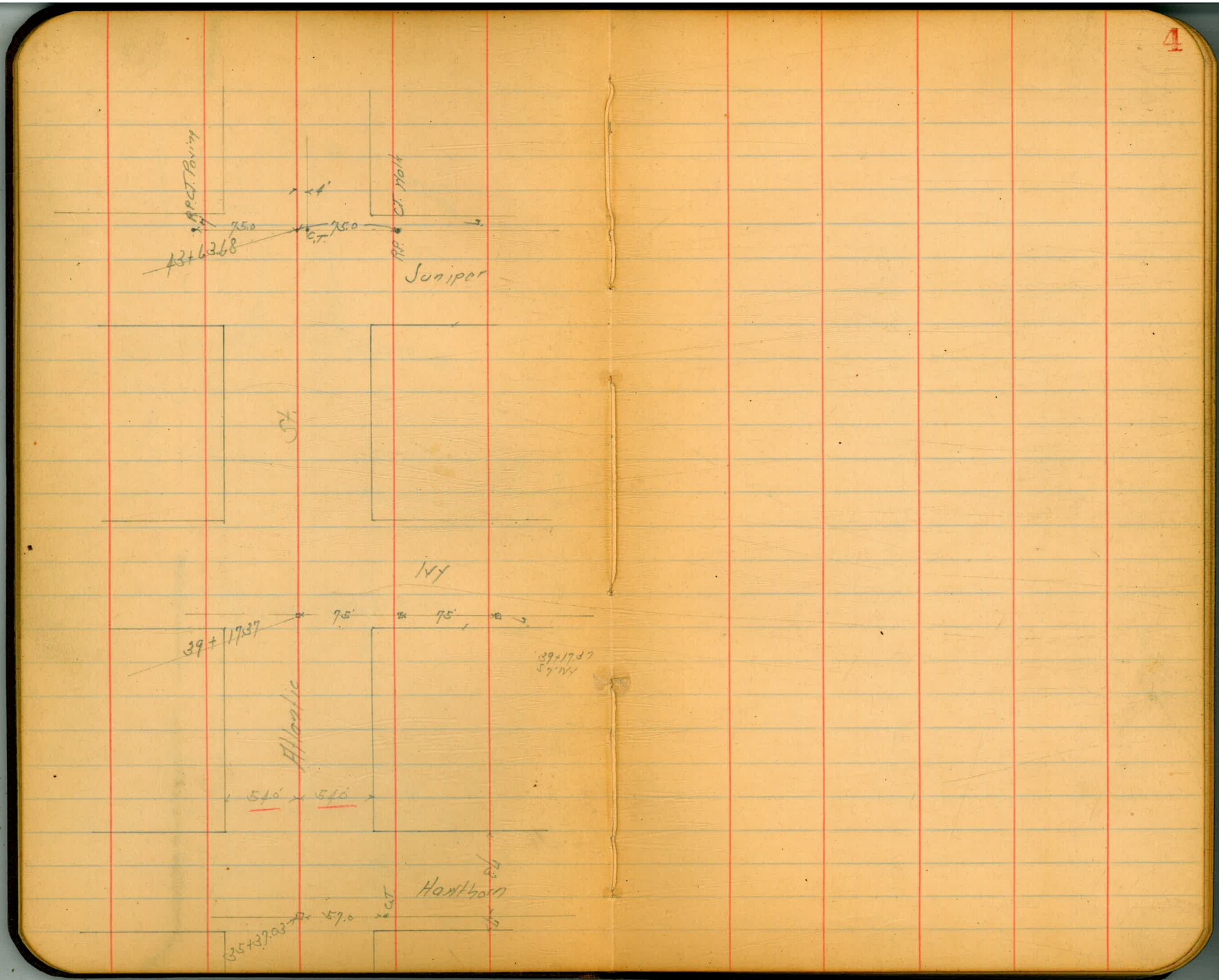
No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

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.


Alignment Atlantic St.
Broadway to Juniper
See F.B. 1468 for Alignment R.P.s
Dec. 15-32
Moore
Sisson
Northern
B St Closed
Atlantic St
Ash St.
A St.
Broadway
Beginning of Curve
Brass Hd Pat
R.P. Hub
C.T.
P.C.
P.T.


Hawthorn St.
Grape St.
Cedar St.
Not Open to Traffic
Beech St.
Date St.
Elm St.
Atlantic
St.
Δ = 9°58'
R = 1500.0
T = 130.80
L = 260.93
Δ = 10°16'
R = 1500.0
T = 134.74
L = 268.78
23+75.42 PC
24+14.30 PC
22+88.66 PC
30+19.88 PC
27+00.74
17+96.76
R.P.
Hub
52.0
90°
80°
36.79
75.76
70.0
79.0
54.0
57.0
55.0
12.0
8'


Juniper
75.0
75.0
43+63.68
Ivy
75'
75'
39+17.37
Atlantic
54.0'
54.0'
Hawthorn
35+37.03
59.0

Cross Section Atlantic St
Broadway to

N.W. B.P. Broadway & Atlantic

B.M. 8.78 8.41		4.18	
0+00 = N.L. Broadway			
46' Lt = West Cb Top ✓	4.25	4.16	
Gutter on Paving	4.91	3.50	
30' Lt " "	5.23	3.18	
20' Lt " "	5.35	3.06	
155' Lt = SEdge 2x2 Grating	5.41	3.00	
✓ ℄ on Paving	4.78	3.63	
20' Rt " "	4.48	3.93	
30' Rt " "	4.42	3.99	
46' Rt " "	4.57	3.84	
53' Rt = N Top Rail	4.39	4.02	
0+40			
53' Rt = N Top Rail	4.40	4.01	
46' Rt	4.9	3.5	
30' Rt	4.7	3.7	
20' Rt	4.7	3.7	
✓ ℄	4.7	3.7	
20' Lt	4.6	3.8	
30' Lt	4.6	3.8	
46' Lt = Gutter	4.7	3.7	
46' Lt Top Cb ✓	8.84	4.57	
0+55.5			
46' Lt = ℄ Spur Track	3.63	4.78	
30' Lt	4.2	4.2	

8.41

20' Lt	4.3	4.1
✓ ℄	4.6	3.8
20' Rt	4.7	3.7
30' Rt	4.7	3.7
46' Rt	4.7	3.7
53' Rt = N Rail	4.38	4.03
0+80		
53' Rt = N Rail	4.36	4.05
46' Rt	4.6	3.8
30' Rt	4.5	3.9
20' Rt	4.6	3.8
✓ ℄	4.3	4.1
20' Lt = ℄ Spur Track Top H.94 Rail	3.85	4.56
30' Lt	4.1	4.3
46' Lt = Gutter	4.4	4.0
46' Lt Top Curb ✓	3.77	4.64
0+85		
46' Lt End Cb Top ✓	3.84	4.57
Gutter	4.5	3.9
30' Lt	4.4	4.0
20' Lt	4.1	4.3
12' Lt = ℄ Spur	4.0	4.4
✓ ℄	4.3	4.1
20' Rt	4.5	3.9
30' Rt	4.4	4.0
46' Rt	4.6	3.8
53' Rt = N Rail	4.36	4.05

1+04.15 = ℄ Spur Track

53' Rt - ½ Rail	4.36	4.05
46 Rt	4.6	3.8
30 Rt	4.4	4.0
20 Rt	4.4	4.0
✓ ℄ = ℄ Spur	4.10	4.31
20 Lt	4.5	3.9
30 Lt	4.9	3.5
46 Lt - Gutter	4.9	3.5

1+36

46 Lt - Gutter	5.3	3.1
30 Lt	5.1	3.3
20 Lt	5.1	3.3
✓ ℄	4.8	3.6
20 Rt - ℄ Spur High Rail	4.23	4.18
30' Rt	4.3	4.1
40 Rt	4.6	3.8
53' Rt - ½ Rail	4.30	4.11

1+50

53' Rt - ½ Rail	4.36	4.15
40' Rt	4.7	3.7
30 Rt	4.3	4.1
27' Rt - ℄ Spur	4.25	4.16
20 Rt	4.5	3.9
✓ ℄	5.0	3.4
20 Lt	5.0	3.4

30 Lt	5.2	3.2
46 Lt - Gutter	5.2	3.2

2+0

46 Lt - Gutter	5.2	3.2
30 Lt	5.4	3.0
20 Lt	5.2	3.2
✓ ℄	5.1	3.3
20 Rt	5.2	3.2
30 Rt	4.9	3.5
43 Rt - ℄ Spur	4.28	4.13
46 Rt	4.3	4.1
53 Rt - ½ Rail	4.25	4.16

2+50

53 Rt - ½ Rail	4.35	4.06
58' Rt - ℄ Spur	4.35	4.06
46 Rt	4.9	3.5
30 Rt	5.1	3.3
20 Rt	5.2	3.2
✓ ℄	5.1	3.3
20 Lt	5.3	3.1
30 Lt	5.5	2.9
46 Lt - Gutter	5.5	2.9

3+0

46 Lt - Gutter	5.4	3.0
30 Lt	5.5	2.9
20 Lt	5.4	3.0

8.41

✓ ℄	5.3	3.1
20 Rt	5.3	3.1
30 Rt	5.1	3.3
46 Rt	4.8	3.6
53 Rt = W Rail	4.30	4.11
3+50		
53 Rt W Rail	4.22	4.19
46 Rt	4.7	3.7
30 Rt	5.2	3.2
20 Rt	5.3	3.1
✓ ℄	5.4	3.0
20 Lt	5.6	2.8
30 Lt	5.8	2.6
46 Lt = Gutter	5.8	2.6
TP 4.31 8.39	4.43	3.98
4+0		
46 Lt = Gutter	5.5	2.8
30 Lt	5.4	2.9
20 Lt	5.3	3.0
✓ ℄	5.3	3.0
20 Rt	5.2	3.1
30 Rt	5.2	3.1
46 Rt	4.6	3.7
53 Rt = W Rail	4.05	4.24
4+09 = Opp Curb Inlet Rt & Lt		
53 Rt = W Rail	4.02	4.27

8.39

46 Rt = Topcb Inlet ℄	4.15	4.14
46 Rt = Grating	5.15	3.14
30 Rt	5.1	3.2
20 Rt	5.2	3.1
✓ ℄	5.3	3.0
20 Lt	5.3	3.0
30 Lt	5.4	2.9
46 Lt = ℄ Inlet Grating	5.77	2.52
46 Lt Topcb	4.77	3.52
4+50		
46 Lt = Gutter	5.2	3.1
30 Lt	5.4	2.9
20 Lt	5.3	3.0
✓ ℄	5.3	3.0
20 Rt	5.2	3.1
30 Rt	5.0	3.3
46 Rt	4.6	3.7
53 Rt = W Rail	3.96	4.33
5+0		
53 Rt W Rail	3.80	4.49
46 Rt	4.4	3.9
30 Rt	4.8	3.5
20 Rt	5.0	3.3
✓ ℄	5.0	3.3
20 Lt	5.0	3.3
30 Lt	5.2	3.1

46' Lt - Gutter	5.1	3.2
5+58.48 = BC		
46' Lt - Gutter	5.1	3.2
30' Lt	5.1	3.2
20' Lt	4.9	3.4
✓ ℄	4.7	3.6
20' Rt	4.9	3.4
30' Rt	4.8	3.5
46' Rt	4.3	4.0
58' Rt - ℄ Rail	3.67	4.72
5+97.97 = ℄ Curve		
46' Rt	4.2	4.1
30' Rt	4.1	3.9
20' Rt	4.5	3.8
✓ ℄	4.6	3.7
20' Lt	4.8	3.5
30' Lt	5.0	3.3
46' Lt - Gutter	5.0	3.3
6+37.46 = EC		
46' Lt - Gutter	4.9	3.4
30' Lt	4.9	3.4
20' Lt	4.8	3.5
✓ ℄	4.5	3.8
20' Rt	4.4	3.9
30' Rt	4.4	3.9
46' Rt	4.4	3.9

7+0		
46' Rt	4.3	4.0
30' Rt	4.2	4.1
20' Rt	4.3	4.0
✓ ℄	4.4	3.9
20' Lt	4.6	3.7
30' Lt	4.6	3.7
46' Lt - Gutter	4.6	3.7
7+02		
21' Lt - ℄ Man Hole on Rim	5.09	3.20
7+10		
21' Lt - ℄ M.H. on Rim	5.19	3.12
7+50		
46' Lt - Gutter	4.7	3.6
30' Lt	4.6	3.7
20' Lt	4.5	3.8
✓ ℄	4.3	4.0
20' Rt	4.4	3.9
30' Rt	4.3	4.0
46' Rt	4.2	4.1
8+0		
46' Rt	4.5	3.8
30' Rt	4.5	3.8
20' Rt	4.6	3.7
✓ ℄	4.5	3.8
20' Lt	4.9	3.4

8.29

30 Lt	49	3.4	
46 Lt - Gutter	52	3.1	
8+50			
46 Lt - Gutter	5.2	3.1	
30 Lt	5.0	3.3	
20 Lt	5.0	3.3	
✓ ℄	4.8	3.5	
20 Rt	4.6	3.7	
30 Rt	4.7	3.6	
46 Rt	5.4	2.9	
50 Rt - Bot Ditch	7.4	0.9	
9+0			
46 Rt	5.2	3.1	
30 Rt	5.0	3.3	
20 Rt	4.9	3.4	
✓ ℄	5.0	3.3	
20 Lt	5.2	3.1	
30 Lt	5.3	3.0	
46 Lt - Gutter	5.3	3.0	
9+50			
46 Lt	5.5	2.8	
30 Lt	5.4	2.9	
20 Lt	5.3	3.0	
✓ ℄	5.2	3.1	
20 Rt	5.4	2.9	
30 Rt	5.6	2.7	

8.29

46 Rt		5.6	2.7
9+89.66 - BC			
45 Rt - ℄ Ditch		6.9	1.4
40 Rt		5.8	2.5
30 Rt		5.7	2.6
20 Rt		5.6	2.7
✓ ℄		5.5	2.8
20 Lt		5.7	2.6
30 Lt		5.5	2.8
46 Lt		5.7	2.6
TP	4.78 7.59	5.48	2.81
10+28.27 - ℄ Curve			
46 Lt		4.8	2.8
30 Lt		5.1	2.5
20 Lt		5.0	2.6
✓ ℄		4.9	2.7
20 Rt		5.0	2.6
30 Rt		4.9	2.7
40 Rt		5.2	2.4
10+66.89 - EC			
45 Rt		5.9	1.7
35 Rt		5.4	2.2
30 Rt		5.2	2.4
20 Rt		5.1	2.5
✓ ℄		5.0	2.6
20 Lt		5.1	2.5

7.59

30 Lt		5.0	2.6
46 Lt - Gutter		5.0	2.6
	11+00		
46 Lt		5.3	2.3
30 Lt		5.1	2.5
20 Lt		5.3	2.3
✓ ℄		5.2	2.4
20 Rt		5.4	2.2
30 Rt		5.5	2.1
45 Rt		6.2	1.4
	11+50		
45 Rt		5.9	1.7
30 Rt		5.3	2.3
20 Rt		5.3	2.3
✓ ℄		5.1	2.5
20 Lt		5.2	2.4
30 Lt		5.2	2.4
46 Lt - Gutter		5.2	2.4
	12+00		
46 Lt		5.0	2.6
30 Lt		5.0	2.6
20 Lt		5.0	2.6
✓ ℄		4.9	2.7
20 Rt		5.3	2.3
30 Rt		5.3	2.3
45 Rt		5.5	2.1
46 Rt		4.8	2.8

7.59

	12+50		
46 Rt		4.8	2.8
45 Rt		5.4	2.2
30 Rt		5.2	2.4
20 Rt		5.1	2.5
✓ ℄		4.8	2.8
20 Lt		4.9	2.7
30 Lt		4.8	2.8
46 Lt - Gutter		4.8	2.8
	13+00		
46 Lt - Gutter		4.5	3.1
30 Lt		4.8	2.8
20 Lt		4.8	2.8
✓ ℄		4.7	2.9
20 Rt		4.8	2.8
30 Rt		5.1	2.5
45 Rt		5.0	2.6
46 Rt		4.5	3.1
	13+50		
46 Rt		4.3	3.3
45 Rt		5.0	2.6
30 Rt		4.8	2.8
20 Rt		4.8	2.8
✓ ℄		4.1	3.0
20 Lt		4.1	3.0
30 Lt		4.1	3.0

7.59

46 Lt = Gutter	4.4	3.2
14+0		
46 Lt = Gutter	3.9	3.7
30 Lt	4.1	3.5
20 Lt	4.2	3.4
✓ Δ	4.1	3.5
20 Rt	4.5	3.1
30 Rt	4.7	2.9
45 Rt	4.7	2.9
46 Rt	4.1	3.5
14+09.65 = SL Ash		
46 Rt	4.0	3.6
45 Rt	4.6	3.0
30 Rt	4.6	3.0
20 Rt	4.5	3.1
4 Rt = Δ MH on Rim	4.04	3.55
✓ Δ	4.0	3.6
20 Lt	4.1	3.5
30 Lt	4.1	3.5
46 Lt	4.2	3.4
14+23.65 = S Cb Ash		
46 Lt	3.8	3.8
30 Lt	3.8	3.8
20 Lt	3.8	3.8
✓ Δ	3.8	3.8
20 Rt	4.2	3.4

7.59

30 Rt	4.3	3.3
46 Rt	4.2	3.4
BM	3.58	4.01
54' Rt on Pav = E.L.	3.94	3.65
54' Rt Top Cb	4.10	3.19
46 Rt " " = Howe Cb Bc	3.53	4.06
46 Rt on Pav	4.00	3.59
14+39.65 = S Edge Pav		
54' Rt on Pav	3.45	4.14
46 Rt " "	3.52	4.07
30 Rt " "	3.52	4.07
20 Rt " "	3.48	4.11
✓ Δ " "	3.37	4.22
20 Lt " "	3.23	4.36
30 Lt " "	3.20	4.39
46 Lt " "	3.10	4.49
54 Lt " "	3.06	4.53
14+49.65 = L Ash		
54' Lt on Pav	2.95	4.64
46 Lt " "	3.03	4.56
30 Lt " "	3.11	4.48
20 Lt " "	3.14	4.45
✓ Δ " "	3.29	4.30
20 Rt " "	3.40	4.19
30 Rt " "	3.43	4.16
46 Rt " "	3.36	4.23

HERP Ash Asphalt 398

7-59

54' Rt on Pav.		3.23	4.36
14+59.45 = N Edge Pav.			
54' Rt on Pav		3.25	4.34
46' Rt " "		3.38	4.21
30' Rt " "		3.48	4.11
20' Rt " "		3.45	4.14
✓ ℄ " "		3.37	4.22
20' Lt " "		3.21	4.38
30' Lt " "		3.15	4.44
46' Lt " "		3.04	4.55
54' Lt " "		2.96	4.63
14+75.65 = N Cb			
54' Lt		2.1	5.5
46' Lt		3.2	4.4
30' Lt		3.1	4.5
20' Lt		3.1	4.5
✓ ℄		3.2	4.4
20' Rt		3.3	4.3
30' Rt		3.4	4.2
46' Rt		3.6	4.0
54' Rt Topcb	✓	3.58	4.01
54' Gutter on Pav		4.09	3.50
66' Rt " " = N of Cb & C		3.70	3.89
66' Rt Topcb		3.30	4.39

7-59

14+89.65 = N of N Cb			
54' Rt		2.7	4.9
46' Rt		3.3	4.3
30' Rt		3.4	4.2
20' Rt		3.3	4.3
✓ ℄		3.3	4.3
20' Lt		3.5	4.1
30' Lt		3.2	4.4
46' Lt		3.2	4.4
54' Lt		2.2	5.4
BM	5.35	9.33	3.98
15+50			
46' Lt		4.3	5.0
46' Lt Gutter		5.1	4.2
30' Lt		5.0	4.3
20' Lt		5.0	4.3
✓ ℄		4.9	4.4
20' Rt		5.1	4.2
30' Rt		5.2	4.1
46' Rt Gutter		5.6	3.8
46' Rt		4.8	4.5
16+0			
46' Rt		4.5	4.8
46' Rt Gutter		5.4	3.9
30' Rt		5.1	4.2
20' Rt		5.1	4.2

N.E.B.P. Rt 54 & Atlantic

9.83

✓ ℄		5.0	4.3
30 Lt		5.0	4.3
30 Lt		5.2	4.1
46 Lt = Gutter		5.3	4.0
46 Lt		4.5	4.8
	16+50		
46 Lt		4.6	4.7
46 Lt = Gutter		5.5	3.8
30 Lt		5.1	4.2
20 Lt		5.1	4.2
✓ ℄		5.0	4.3
20 Rt		5.0	4.3
30 Rt		5.1	4.2
46 Rt = Gutter		5.4	3.9
46 Rt		4.3	5.0
	17+0		
46 Rt		4.4	4.9
46 Rt = Gut		5.2	4.1
30 Rt		5.0	4.3
20 Rt		5.0	4.3
✓ ℄		4.9	4.4
20 Lt		5.1	4.2
30 Lt		5.2	4.1
46 Lt = Gut		5.3	4.0
46 Lt		4.6	4.7

9.83

	17+50		
46 Lt		4.5	4.8
46 Lt = Gut		5.4	3.9
30 Lt		5.3	4.0
20 Lt		5.2	4.1
✓ ℄		4.9	4.4
20 Rt		5.0	4.3
30 Rt		5.1	4.2
46 Rt = Gut		5.3	4.0
46 Rt		4.2	(4.1) 5.1
	17+89.76 = SL Bench		
46 Rt		4.2	(4.1) 5.1
46 Rt = Gut		5.3	4.0
30 Rt		5.0	4.3
20 Rt		5.0	4.3
✓ ℄		4.9	4.4
20 Lt		5.1	4.2
30 Lt		5.1	4.2
46 Lt = Gut		5.2	4.1
46 Lt		4.0	5.3
	18+03.76 = SCL		
46 Lt		3.7	5.6
46 Lt = Gut		5.2	4.1
30 Lt		5.0	4.3
20 Lt		4.9	4.4
✓ ℄		4.8	4.5

9.33

20' Rt		4.9	4.4	
30' Rt		5.0	4.3	
46 Rt		5.0	4.3	
54' Rt = Top Cb	✓	4.67	4.66	
54' Rt on Pav		5.39	3.94	
66' Rt " "		4.98	4.35	
66' Rt Top Cb		4.27	5.06	
18+39.76 = ℄ Beech				Note:- At Sta + Bearing 5' Walk Centered From East
54 Rt on Pav		4.62	4.71	
46 Rt		4.7	4.6	
30 Rt		5.0	4.3	
20 Rt		4.9	4.4	
℄ "		4.6	4.7	
20 Lt		4.7	4.6	
30 Lt		4.9	4.4	
46 Lt = Gut.		5.2	4.1	
46 Lt		4.0	5.3	
18+55.76 = N Cb				
46 Lt		4.0	5.3	
46 Lt		5.1	4.2	
30 Lt		4.9	4.4	
20 Lt		4.8	4.5	
℄		4.5	4.8	
20 Rt		4.7	4.6	
30 Rt		4.9	4.4	
46 Rt		5.0	4.3	

9.33

54 Rt Top Cb	✓	4.47	4.86	
54 Rt on Pav		5.22	4.11	
66 Rt " "		4.76	4.62	
66 Rt Top Cb		4.09	5.24	
18+69.76 = N Cb Beech				
46 Rt		4.1	5.2	
46 Rt = Gut.		4.7	4.6	
30 Rt		4.8	4.5	
20 Rt		4.8	4.5	
℄		4.6	4.7	
20 Lt		4.7	4.6	
30 Lt		4.9	4.4	
46 Lt = Gut.		5.0	4.3	
46 Lt		4.0	5.3	
19+0				
46 Lt		3.8	5.5	
46 Lt = Gut		5.0	4.3	
30 Lt		4.8	4.5	
20 Lt		4.7	4.6	
℄		4.5	4.8	
20 Rt		4.7	4.6	
30 Rt		4.8	4.5	
46 Rt = Gut		4.7	4.6	
46 Rt		4.0	5.3	

9.33

19+50

4L Rt	42	5.1
4L Rt - Gut	48	4.5
30 Rt	48	4.5
20 Rt	46	4.7
✓ Δ	44	4.9
20 Rt	45	4.8
30 Lt	47	4.6
4L Lt - Gut	52	4.1
4L Lt	42	5.1

20+0

4L Lt	42	5.1
4L Lt - Gut	54	3.9
30 Lt	48	4.5
20 Lt	47	4.6
✓ Δ	44	4.9
20 Rt	46	4.7
30 Rt	47	4.6
4L Rt - Gut	44	4.9
4L Rt	38	5.5

20+50

4L Rt	37	5.6
4L Rt - Gut	47	4.6
30 Rt	48	4.5
20 Rt	46	4.7
✓ Δ	44	4.9

9.33.

20 Lt	49	4.4
30 Lt	51	4.2
4L Lt - Gut.	54	3.9
4L Lt	45	4.8

21+0

4L Lt	46	4.7
4L Lt - Gut.	56	3.7
30 Lt	50	4.3
20 Lt	48	4.5
✓ Δ	44	4.9
20 Rt	47	4.6
30 Rt	49	4.4
4L Rt - Gut	51	4.2
4L Rt	41	5.2

21+14.20 B.C

4L Rt	40	5.3
4L Rt - Gut	48	4.5
30 Rt	49	4.4
20 Rt	47	4.6
✓ Δ	45	4.8
20 Lt	49	4.4
30 Lt	53	4.0
4L Lt - Gut.	56	3.7
4L Lt	46	4.7

9.33

21+50

46' Lt		4.6	4.7	
46' Lt = Gut		5.6	3.7	
30' Lt		5.3	4.0	
20' Lt		4.9	4.4	
↓ ℄		4.5	4.8	
20' Rt		4.7	4.6	
30' Rt		4.9	4.4	
46' Rt = Gut		4.8	4.5	
46' Rt		4.0	5.3	
TP	3.74	8.03	5.04	4.29

22+0

46' Rt		3.4	4.6	
30' Rt		3.4	4.6	
20' Rt		3.5	4.5	
↓ ℄		3.4	4.6	
20' Lt		3.8	4.2	
30' Lt		4.0	4.0	
46' Lt = Gut		4.3	3.7	
46' Lt		3.0	5.0	

22+50

46' Lt		3.0	5.0	
46' Lt = Gut		4.2	3.8	
30' Lt		3.8	4.2	
20' Lt		3.7	4.3	
↓ ℄		3.5	4.5	

8.03

9.5' Rt		2.43	4.60	
20' Rt		3.6	4.4	
30' Rt		4.0	4.0	
46' Rt = Gut		3.6	4.4	22+45
46' Rt		3.1	4.9	9.5' Rt = MH on Curve 3.43

23+0

46' Rt		3.6	4.4	
46' Rt = Gut		4.4	3.6	
30' Rt		3.9	4.1	
20' Rt		3.9	4.1	
↓ ℄		3.8	4.2	
20' Lt		4.0	4.0	
30' Lt		4.2	3.8	
46' Lt = Gut		4.5	3.5	
46' Lt		3.5	4.5	

23+50

46' Lt		3.6	4.4	
46' Lt = Gut		4.7	3.3	
30' Lt		4.5	3.5	
20' Lt		4.2	3.8	
↓ ℄		4.0	4.0	
20' Rt		4.0	4.0	
30' Rt		4.1	3.9	
46' Rt = Gut		4.3	3.7	
46' Rt		3.2	4.8	

23+75.13 = EC

46' Rt	3.7	4.3
46' Rt	4.1	3.6
30' Rt	4.2	3.8
20' Rt	4.2	3.8
℄	4.1	3.9
20' Lt	4.2	3.8
30' Lt	4.4	3.6
46' Lt - Gut	4.8	3.2
46' Lt	3.8	4.2

24+70

46' Lt	3.8	4.2
46' Lt = Gut	4.9	3.1
30' Lt	4.5	3.5
20' Lt	4.3	3.7
℄	4.1	3.9
30' Rt	4.4	3.6
30' Rt	4.4	3.6
46' Rt - Gut	4.5	3.5
46' Rt	3.4	4.6

24+50

46' Rt	3.6	4.4
46' Rt - Gut	4.6	3.4
30' Rt	4.6	3.4
20' Rt	4.5	3.5
℄	4.3	3.7

20' Lt	4.5	3.5
30' Lt	4.7	3.3
46' Lt - Gut	4.9	3.1
46' Lt	3.9	4.1

24+71

4' Rt - 2 MH on Rim	4.04	3.99

25+0

46' Lt	3.9	4.1
46' Lt - Gut	5.2	2.8
30' Lt	4.8	3.6
20' Lt	4.8	3.6
℄	4.5	3.5
30' Rt	4.7	3.3
30' Rt	4.8	3.2
46' Rt - Gut	4.9	3.1
46' Rt	3.8	4.2

25+50

46' Rt	4.2	3.8
46' Rt - Gut	5.0	3.0
30' Rt	4.9	3.1
20' Rt	4.8	3.2
℄	4.6	3.4
20' Lt	4.9	3.1
30' Lt	5.1	2.9
46' Lt - Gut	4.9	3.1
46' Lt	3.8	4.2

26+0

46' Lt - Gut	5.4	2.6
30' Lt	5.1	2.9
20' Lt	5.1	2.9
✓ ℄	5.0	3.0
20' Rt	5.1	2.9
30' Rt	5.1	2.9
46' Rt - Gut	5.0	3.0
46' Rt	4.3	3.7

26+60.74 = S.L. Elm

46' Rt	4.3	3.7
46' Rt - Gut	5.3	2.7
30' Rt	5.2	2.8
20' Rt	5.1	2.9
✓ ℄	5.0	3.0
20' Lt	5.4	2.6
30' Lt	5.7	2.3
46' Lt - Gut	5.7	2.3
46' Lt	4.7	3.3

27+00.74 = ℄

46' Lt	4.8	3.2
46' Lt - Gut	5.9	2.1
30' Lt	5.3	2.7
20' Lt	5.1	2.9
✓ ℄	5.0	3.0
20' Rt	5.2	2.8

30' Rt	5.2	2.8
46' Rt - Gut	5.4	2.6

27+40.74 = M L Elm = Valley Gutter

46' Rt - Gut	5.6	2.4
30' Rt	5.4	2.6
20' Rt	5.3	2.7
✓ ℄	5.3	2.7
20' Lt	5.4	2.6
30' Lt	5.5	2.5
46' Lt - Gut	5.5	2.5

Note:- Valley Gutter Should be on ℄

27+50

46' Lt	4.4	3.6
46' Lt - Gut	5.4	2.6
30' Lt	5.4	2.6
20' Lt	5.4	2.6
✓ ℄	5.4	2.6
20' Rt	5.2	2.8
30' Rt	5.2	2.8
46' Rt - Gut	5.4	2.6
46' Rt	4.4	3.6

28+0

46' Rt	4.5	3.5
46' Rt - Gut	5.3	2.7
30' Rt	5.1	2.9
20' Rt	5.1	2.9
✓ ℄	4.9	3.1

8.03

20' Lt			59	1.1
30' Lt			52	1.8
46' Lt = Gut.			50	3.0
40' Lt			40	4.0
TP	5.84	8.87	5.00	3.02
	28+50			
40' Lt			50	3.9
46' Lt = Gut			59	3.0
30' Lt			51	3.3
20' Lt			55	3.4
✓ ℄			54	3.5
20' Rt			51	3.8
30' Rt			57	3.2
46' Rt = Gut			58	3.1
40' Rt			48	4.1
	29+0			
40' Rt			50	3.9
46' Rt = Gut			57	3.2
30' Rt			54	3.5
20' Rt			52	3.7
✓ ℄			50	3.9
20' Lt			52	3.7
30' Lt			53	3.6
46' Lt = Gut			57	3.2
40' Lt			45	4.4

8.87

	29+50			
40' Lt			43	4.6
46' Lt = Gut			54	3.5
30' Lt			50	3.9
20' Lt			49	4.0
✓ ℄			47	4.2
20' Rt			49	4.0
30' Rt			51	3.8
46' Rt = Gut			55	3.4
40' Rt			47	4.2
	30+0			
40' Rt			47	4.2
46' Rt = Gut			54	3.5
30' Rt			48	4.1
20' Rt			47	4.2
✓ ℄			47	4.2
20' Lt			47	4.2
30' Lt			48	4.1
46' Lt = Gut			52	3.7
40' Lt			39	5.0
BM	4.45	10.91	2.36	6.51
	30+1988 BC			
40' Lt			60	5.0
46' Lt = Gut			70	4.0
30' Lt			68	4.2
20' Lt			67	4.3

SI BP Grapes Hillock 6.53

10.96

✓ 0		6.5	4.5
30 Rt		6.7	4.3
30 Rt		6.9	4.1
46 Rt = Gut		7.3	3.7
46 Rt		6.6	4.4
30 + 5°			
46 Rt		5.9	5.1
46 Rt = Gut		6.9	4.1
30 Rt		6.9	4.1
30 Rt		6.4	4.6
✓ 0		6.3	4.7
30 Lt		6.5	4.5
30 Lt		6.7	4.3
46 Lt = Gut		7.0	4.0
46 Lt		6.0	5.0
31 + 0			
46 Lt		5.8	5.2
46 Lt = Gut		6.8	4.2
30 Lt		6.5	4.5
30 Lt		6.3	4.7
✓ 0		6.2	4.8
30 Rt		6.3	4.7
30 Rt		6.5	4.57
46 Rt = Gut		6.1	4.9
46 Rt		5.1	5.9

10.96

SL Grape

46 Rt		4.9	6.1
46 Rt = Gut		5.9	5.1
30 Rt		6.0	50
30 Rt		5.7	5.3
✓ 0		5.8	52
30 Lt		6.1	4.9
30 Lt		6.3	4.7
46 Lt = Gut		6.3	4.7
46 Lt		5.5	5,5
Sab			
46 Lt		5.1	5.9
46 Lt Gut		6.1	4.9
30 Lt		6.2	4.8
30 Lt		6.2	4.8
✓ 0		5.8	5.2
30 Rt		5.6	5.4
30 Rt		5.8	5.2
46 Rt		5.5	5.5
EL Top Cb	✓	4.47	6.49
" Pax		5.17	5.79
12 Eolle "		5.02	5.94
Top Cb	✓	4.35	6.61

10.96

Δ Grape

-12 on Pax		4.32	6.74
E.L. " "		4.38	6.58
46 Rt		5.0	6.0
30 Rt		5.4	5.6
20 Rt		5.5	5.5
✓ Δ		5.9	5.1
20 Lt		5.9	5.1
30 Lt		5.9	5.1
46 Lt		5.8	5.2
	N Cb		
46 Lt		5.7	5.3
30 Lt		5.9	5.1
30 Lt		5.7	5.3
✓ Δ		5.6	5.4
20 Rt		5.6	5.4
30 Rt		5.5	5.5
46 Rt		5.4	5.6
EL Top Cb ✓		4.65	6.31
EL Pax		5.24	5.72
12 Eo/EL Pax		4.49	6.47
" " Top Cb		5.16	5.80
	32+50		
46 Rt		4.4	6.6
30 Rt		5.3	5.7
20 Rt		5.1	5.9

10.96

✓ Δ		5.4	5.6
20 Lt		5.6	5.4
30 Lt		5.6	5.4
46 Lt - Gut		5.6	5.4
46 Lt		4.8	6.2
	32+88 Lt EC		
46 Lt		4.8	6.2 ✓
46 Lt - Gut		5.5	5.5 ✓
30 Lt		5.3	5.7 ✓
✓ 20 Lt		5.1	5.9 ✓
Δ		4.9	6.1 ✓
20 Rt		4.9	6.1 ✓
30 Rt		4.9	6.1 ✓
46 Rt		5.2	5.8 ✓
46 Rt Gut		4.2	6.8 ✓
	33+0		
46 Rt		3.9	7.1
46 Rt		4.9	6.1
30 Rt		4.8	6.2
20 Rt		4.8	6.2
✓ Δ		4.7	6.3
20 Lt		5.1	5.9
30 Lt		5.1	5.9
46 Lt		5.4	5.6
46 Lt		4.5	6.5

10.96

33+50

4L Lt	4.2	6.8
4L Lt	5.2	5.8
30 Lt	4.9	6.3
20 Lt	4.6	6.4
✓ ℄	3.8	7.2
20 Rt	4.3	6.7
30 Rt	4.5	6.5
4L Rt	4.7	6.3
4L Rt	3.2	7.8

33+62

1 Rt = ℄ M H on Rim	3.41	7.5

34+0

4L Rt	3.2	7.8
4L Rt	4.3	6.7
30 Rt	4.0	7.0
20 Rt	4.0	7.0
✓ ℄	3.9	7.1
20 Lt	4.4	6.6
30 Lt	4.4	6.6
4L Lt	4.7	6.3
4L Lt	3.7	7.3

34+50

4L Lt	3.3	7.7
4L Lt	4.5	6.5
30 Lt	4.1	6.9
20 Lt	4.0	7.0
✓ ℄	3.6	7.4
20 Rt	3.5	7.5
30 Rt	3.5	7.5
4L Rt	3.5	7.5
4L Rt	2.5	8.5

35+0

4L Rt	2.0	9.0
4L Rt	3.1	7.9
30 Rt	3.0	8.0
20 Rt	3.1	7.9
✓ ℄	3.1	7.9
20 Lt	3.6	7.4
30 Lt	3.6	7.4
4L Lt	4.1	6.9
4L Lt	3.1	7.9

35+30.03: 52 Hamthorn

4L Lt	3.9	7.1
30 Lt	3.5	7.5
20 Lt	3.9	8.1
✓ ℄	3.0	8.0
20 Rt	3.0	8.0
30 Rt	2.7	8.3
4L Rt	3.9	8.1
4L Rt	1.7	9.3

10.96

	35+44.03 = ℄ Cb			
66' Rt	Top Cb		1.15	9.81 ✓
66' Rt	Pav.		1.78	9.18 ✓
54' Rt	"		2.14	8.82 ✓
46' Rt			2.6	8.4 ✓
30' Rt			2.1	8.6 ✓
20' Rt			2.7	8.3
℄			2.8	8.2
20' Lt			3.3	7.7
30' Lt			3.3	7.7
46' Lt			3.6	7.4
	35+70.03 = ℄			
46' Lt			3.3	7.7
30' Lt			3.0	8.0
20' Lt			2.9	8.1
℄			2.4	8.6
1' Rt	= MH on Rim		2.20	8.76
20' Rt			2.5	8.5
30' Rt			2.2	8.8
46' Rt			1.7	9.3
54' Rt	on Pav		1.38	9.68
66' Rt	" "		0.80	10.16
	35+91.03			
66' Rt	Top Cb		0.59	10.37
66' Rt	on Pav		1.85	9.71
54' Rt	" "		1.68	9.28

10.96

54' Rt	Top Cb		0.96	10.00
46' Rt			2.0	9.0 ✓
30' Rt			2.1	8.9 ✓
20' Rt			2.3	8.7 ✓
℄			2.4	8.6 ✓
20' Lt			2.7	8.3 ✓
30' Lt			2.8	8.2 ✓
46' Lt			2.9	8.1 ✓
	36+50			
46' Lt			2.0	9.0 ✓
46' Lt			3.0	8.0 ✓
30' Lt			2.8	8.2 ✓
20' Lt			2.6	8.4 ✓
℄			2.3	8.8 ✓
20' Rt			2.2	8.8 ✓
30' Rt			2.2	8.8 ✓
46' Rt			2.2	8.8 ✓
46' Rt			1.1	9.9 ✓
	37+0			
46' Rt			0.7	10.3 ✓
46' Rt			1.9	9.1 ✓
30' Rt			1.9	9.1 ✓
20' Rt			2.0	9.0 ✓
℄			2.0	9.0 ✓
20' Lt			2.6	8.4 ✓
30' Lt			2.9	8.1 ✓

10.96

46 Lt			39	8.1	✓
46 Lt			1.7	9.3	✓
	37+50				
46 Lt			1.8	9.2	✓
46 Lt			3.8	8.2	✓
30 Lt			2.6	8.4	✓
30 Lt			2.4	8.6	✓
✓ Δ			1.9	9.1	✓
30 Rt			1.9	9.1	✓
30 Rt			1.8	9.2	✓
46 Rt			1.7	9.3	✓
46 Rt			0.5	10.5	✓
TP	4.73	1397	1.72	9.24	
	28+0				
46 Rt			35	10.5	✓
46 Rt			4.6	9.4	✓
30 Rt			4.6	9.4	✓
30 Rt			4.8	9.2	✓
✓ Δ			4.8	9.2	✓
30 Lt			5.2	8.8	✓
30 Lt			5.5	8.5	✓
46 Lt			6.0	8.0	✓
46 Lt			4.8	9.2	✓
	38+50				
46 Lt			4.6	9.4	✓
46 Lt			5.7	8.3	✓

1897

30 Lt			5.3	8.7	✓
30 Lt			5.1	8.9	✓
✓ Δ			4.7	9.3	✓
30 Rt			4.7	9.3	✓
30 Rt			4.6	9.4	✓
46 Rt			4.7	9.3	✓
46 Rt			3.5	10.5	✓
	39+0				
46 Rt			3.4	10.6	✓
46 Rt			4.1	9.6	✓
30 Rt			4.1	9.6	✓
30 Rt			4.1	9.6	✓
✓ Δ			4.5	9.5	✓
30 Lt			4.8	9.2	✓
30 Lt			5.1	8.9	✓
46 Lt			5.3	8.7	✓
46 Lt			4.1	9.6	✓
	39+24.37 = SCL Ln				
46 Lt			4.1	9.6	✓
46 Lt			5.3	8.7	✓
30 Lt			5.1	8.9	✓
30 Lt			5.0	9.0	✓
✓ Δ			4.8	9.2	✓
30 Rt			4.8	9.2	✓
30 Rt			4.7	9.3	✓
46 Rt			4.5	9.5	✓

13.97

39+50.37 = ℄ Hwy

46' Rt		5.7	8.3
30 Rt		5.5	8.5
20 Rt		5.5	8.5
✓ ℄		5.5	8.5
20' Lt		5.4	8.6
30' Lt		5.4	8.6
46' Lt		5.4	8.6

39+60.37

1' Rt = NH on Rm		5.37	8.60

39+63.37 = NH

46' Lt		5.7	8.3
30' Lt		5.7	8.3
20' Lt		5.6	8.4
✓ ℄		5.4	8.6
20 Rt		5.2	8.8
30 Rt		5.0	9.0
46' Rt		4.6	9.4

39+76.37 = NCL

46 Rt		4.4	9.6
30 Rt		4.8	9.2
✓ 20 Rt		5.0	9.0
✓ ℄		5.1	8.9
20' Lt		5.6	8.5
30' Lt		5.6	8.4
46' Lt		5.9	8.1

13.97

40+0

46' Lt		5.3	8.7
30' Lt		5.0	9.0
20 Lt		4.8	9.2
✓ ℄		4.4	9.6
20' Rt		4.5	9.5
30' Rt		4.4	9.6
46' Rt		4.4	9.6
46' Rt		3.4	10.6

40+50

46' Rt		3.5	10.5
46' Rt		4.4	9.6
30' Rt		4.5	9.5
20' Rt		4.6	9.4
✓ ℄		4.6	9.4
20' Lt		4.9	9.1
30' Lt		5.1	8.9
46' Lt		5.5	8.5

41+0

46' Lt		5.5	8.5
30' Lt		5.1	8.9
20' Lt		5.1	8.9
✓ ℄		4.7	9.3
20' Rt		4.8	9.2
30' Rt		4.7	9.3
46' Rt		4.8	9.2
46' Rt		4.0	10.0

13.97

41+50

41' Rt		41	9.9
41' Rt		52	8.8
30° Rt		49	9.1
30° Rt		49	9.1
↓		49	9.1
30° Lt		52	8.8
30° Lt		53	8.7
41' Lt		57	8.3

42+0

46' Lt		58	8.2
30° Lt		55	8.5
30° Lt		53	8.7
↓		51	8.9
30° Rt		50	9.0
30° Rt		51	8.9
46' Rt		50	9.0
46' Rt		40	10.0

42+50

46' Rt		41	9.9
46' Rt		51	8.9
30° Rt		53	8.7
30° Rt		53	8.7
↓		53	8.7
30° Lt		55	8.5
30° Lt		58	8.2

13.97

46' Lt		59	8.1

42+90.68 = SL Juniper

46' Lt on Pav		545	8.82
30° Lt " "		545	8.52
27' Lt " "		550	8.47
30° Lt " "		535	8.62
↓ " "		490	9.07
30° Rt " "		474	9.23
30° Rt " "		474	9.23
31' Rt " "		465	9.32
31' Rt Top Existing pcb		406	9.91

43+04.68 = SCL

54' Rt Top Cb	✓	406	9.91	
54' Rt on Pav		458	9.39	
46' Rt " "		432	9.65	
46' Rt Top Cb	✓	380	10.17	
BM		397	10.00	N.E. BP Juniper Hillside 0.00

Fish St & Levels Calif St to 300' W of W.L. Atlantic

BM	8.41	12.39		8.98	N.E.B.P. Fish & Atlantic
		W.L. California			
℄	on Paving		2.18	10.21	
		50' W of W.L. Calif			
℄	on Paving		3.82	8.57	
		100' W			
℄	on Paving		5.35	7.04	
		150' W			
℄	on Paving		6.77	5.62	
		200' W : E.L. Atlantic			
℄	on Paving		8.05	4.34	
		℄ Atlantic			
℄	on Paving		8.11	4.28	
		W.L. Atlantic			
℄	on Pav.		7.76	4.63	
		25' W of W.L. Atlantic			
℄	" "		7.62	4.87	
		50' W			
℄	" "		7.24	5.15	
		75' W			
℄	"		6.89	5.50	
		100' W			
℄	" "		6.47	5.92	
		125' W			
℄	"		6.08	6.31	

12.39

	150' W of W.L. Atlantic		
℄	on Paving	5.79	6.60
	175' W		
℄	" "	5.53	6.86
	200' W		
℄	" "	5.51	6.88
	225' W		
℄	" "	5.55	6.84
	250' W		
℄	" "	5.63	6.76
	275' W		
℄	" "	5.68	6.71
	300' W		
℄	" "	5.82	6.57

Cross Section Ash St.
EL of Atlantic

B.M	6.63	10.61	3.98	NE BP Ash & Atlantic
		EL Atlantic		
N Cb Top		6.65	3.96	
Gutter on Paving		7.16	3.45	
¼		6.48	4.13	
½		6.26	4.40	
¼		6.90	3.91	
Gutter		7.45	3.16	
S Cb Top		6.98	3.63	
	5' E of EL Atlantic			
S Cb Top		6.80	3.81	
Gutter on Pav		7.26	3.35	
¼		6.55	4.06	
7" = ½ MH on Pin		6.15	4.46	
½	on Paving	6.15	4.46	
¼		6.30	4.31	
Gutter		6.96	3.65	
N Cb Top		6.29	4.12	
	10' E of EL Atlantic			
N Cb Top		6.33	4.28	
Gutter on Paving		6.83	3.78	
¼		6.14	4.47	
½		6.05	4.56	
¼		6.32	4.29	
Gutter		7.09	3.52	

10.61

S Cb Top		6.61	4.00
	12' E of EL Atlantic = North Cb BC		
S Cb Top		6.54	4.07
Gutter on Paving		7.03	3.58
¼		6.25	4.36
½		6.00	4.61
¼		6.08	4.53
Gutter		6.78	3.83
N Cb Top		6.28	4.33
	15' E of EL Atlantic		
N Cb Top		6.18	4.43
Gutter on Paving		6.69	3.92
¼		6.02	4.59
½		5.97	4.64
¼		6.17	4.44
Gutter		6.94	3.67
S Cb Top		6.81	4.17
	20 E of EL Atlantic		
S Cb Top		6.30	4.31
Gutter on Paving		6.96	3.85
¼		6.01	4.60
½		5.83	4.78
¼		5.85	4.76
Gutter		6.54	4.07
N Cb Top		6.00	4.61

10.6.1

25' E of E.L. Atlantic

Mcb Top	5.84	4.77
Gutter on Paving	6.34	4.27
1/4 " "	5.70	4.91
1/2 " "	5.61	4.93
3/4 " "	5.87	4.74
Gutter " "	6.58	4.03
Scb "	6.13	4.48

30' E of E.L. Atlantic

Scb Top	5.97	4.64
Gutter on Paving	6.43	4.18
1/4 " "	5.73	4.88
1/2 " "	5.55	5.06
3/4 " "	5.58	5.03
Gutter " "	6.22	4.39
Mcb Top	5.70	4.91

35' E of E.L. Atlantic

Mcb Top	5.54	6.07
Gutter on Paving	6.09	4.52
1/4 " "	5.50	5.11
1/2 " "	5.45	5.16
3/4 " "	5.63	4.98
Gutter " "	6.29	4.32
Scb Top	5.82	4.79

10.6.1

40' E of E.L. Atlantic

Scb Top	5.46	4.95
Gutter on Paving	6.12	4.49
1/4 " "	5.49	5.12
1/2 " "	5.30	5.31
3/4 " "	5.39	5.22
Gutter " "	5.91	4.70
Mcb Top	5.37	5.24

Cross Section Broadway And Atlantic St

N.L. Broadway East Line

B.M.	3.80	8.48	(8.48) 4.68	N.Y.B.P. Broadway & Atlantic
	0+00 = 4' N of E.L. Atlantic For 108' Wide			
N.L. Broadway on Paving		4.41	3.87 ✓	
5' S		4.51	3.97 ✓	
10' S		4.45	4.03 ✓	
15' S		4.41	4.07 ✓	
20' S		4.41	4.07 ✓	
25' S		4.41	4.07 ✓	
30' S		4.41	4.07 ✓	
35' S		4.39	4.09 ✓	
40' S		4.39	4.09 ✓	
45' S		4.40	4.08 ✓	
50' S		4.39	4.09 ✓	
55' S		4.40	4.08 ✓	
62.5' S = ℄ Broadway		4.38	4.10 ✓	
	0+10 = 14' N of E.L. Atlantic			
62.5' S of N.L. Broadway		4.43	4.05 ✓	
55' S		4.42	4.06 ✓	
50' S		4.41	4.07 ✓	
45' S		4.41	4.07 ✓	
40' S		4.42	4.06 ✓	
35' S		4.43	4.05 ✓	
30' S		4.44	4.04 ✓	
25' S		4.44	4.04 ✓	
20' S		4.42	4.06 ✓	

848 6.48

15' S	4.45	4.03 ✓
10' S	4.46	4.02 ✓
5' S	4.57	3.91 ✓
N.L. Broadway	4.46	3.8 ✓ ✓
0+20		
N.L. Broadway	4.47	4.01 ✓
5' S	4.47	4.01 ✓
10' S	4.49	3.99 ✓
15' S	4.50	3.98 ✓
20' S	4.48	4.00 ✓
25' S	4.50	3.98 ✓
30' S	4.51	3.97 ✓
35' S	4.49	3.99 ✓
40' S	4.53	3.95 ✓
45' S	4.51	3.97 ✓
50' S	4.48	4.00 ✓
55' S	4.46	4.02 ✓
62.5' S = ℄ Broadway	4.49	3.99 ✓
0+30		
62.5' S = ℄ Broadway	4.48	4.00 ✓
55' S	4.48	4.00 ✓
50' S	4.51	3.97 ✓
45' S	4.53	3.95 ✓
40' S	4.52	3.96 ✓
35' S	4.51	3.97 ✓
30' S	4.52	3.96 ✓

8.09 Flow Line Point

	8-18	8-18	
45'S		4.52	3.96 ✓
40'S		4.53	3.95 ✓
35'S		4.55	3.93 ✓
30'S		4.56	3.92 ✓
25'S		4.56	3.92 ✓
20'S		4.54	3.94 ✓
NL Broadway			
	0+40		
NL Broadway		4.66	3.87 ✓
5'S		4.65	3.83 ✓
10'S		4.65	3.83 ✓
15'S		4.62	3.86 ✓
20'S		4.62	3.86 ✓
25'S		4.60	3.88 ✓
30'S		4.59	3.89 ✓
35'S		4.58	3.90 ✓
40'S		4.55	3.93 ✓
45'S		4.57	3.91 ✓
50'S		4.53	3.95 ✓
55'S		4.49	3.99 ✓
62.5'S = ℄ Broadway		4.48	4.00 ✓
	0+50 = ℄ Atlantic		
62.5'S = ℄ Broadway		4.47	4.01 ✓
55'S		4.48	4.00 ✓
50'S		4.53	3.95 ✓
45'S		4.55	3.93 ✓
40'S		4.59	3.89 ✓

	8-18	8-18	
35'S		4.65	3.83 ✓
30'S		4.70	3.78 ✓
25'S		4.79	3.69 ✓
20'S		4.81	3.67 ✓
15'S		4.85	3.63 ✓
10'S		4.86	3.62 ✓
5'S		4.86	3.62 ✓
NL Broadway		4.86	3.62 ✓
	0+55		
NL Broadway		5.05	3.43 ✓
5'S		5.00	3.48 ✓
10'S		5.01	3.47 ✓
15'S		5.00	3.48 ✓
20'S		4.98	3.50 ✓
25'S		4.92	3.56 ✓
30'S		4.82	3.66 ✓
35'S		4.74	3.74 ✓
40'S		4.65	3.83 ✓
45'S		4.57	3.91 ✓
50'S		4.52	3.96 ✓
55'S		4.46	4.02 ✓
62.5'S = ℄ Broadway		4.45	4.03 ✓
	0+60		
62.5'S = ℄		4.44	4.04 ✓
55'S		4.44	4.04 ✓
50'S		4.51	3.97 ✓

8.48

45'S	4.60	3.88	✓
40'S	4.71	3.77	✓
35'S	4.87	3.61	✓
30'S	4.97	3.51	✓
25'S	5.01	3.47	✓
20'S	5.10	3.38	✓
15'S	5.13	3.35	✓
10'S	5.16	3.32	✓
5'S	5.17	3.31	✓
℄ Broadway	5.20	3.28	✓
0+65			
Flow Line Existing 12" Culvert	8.09	0.39	✓
℄ Broadway Top Grading	5.46	3.02	✓
5'S	5.39	3.09	✓
10'S	5.32	3.16	✓
15'S	5.30	3.18	✓
20'S	5.24	3.24	✓
25'S	5.18	3.30	✓
30'S	5.08	3.40	✓
35'S	4.94	3.54	✓
40'S	4.78	3.70	✓
45'S	4.63	3.85	✓
50'S	4.51	3.97	✓
55'S	4.44	4.04	✓
62.5'S - ℄ Broadway	4.44	4.04	✓

8.48

0+70			
62.5'S - ℄ Broadway	4.43	4.05	✓
55'S	4.46	4.02	✓
50'S	4.54	3.94	✓
45'S	4.68	3.80	✓
40'S	4.86	3.62	✓
35'S	5.02	3.46	✓
30'S	5.17	3.31	✓
25'S	5.25	3.23	✓
20'S	5.27	3.21	✓
15'S	5.39	3.09	✓
10'S	5.42	3.06	✓
5'S	5.41	3.07	✓
℄ Broadway	5.43	3.05	✓
0+75			
℄ Broadway	5.31	3.17	✓
5'S	5.33	3.15	✓
10'S	5.31	3.17	✓
15'S	5.32	3.16	✓
20'S	5.28	3.20	✓
25'S	5.24	3.24	✓
30'S	5.20	3.28	✓
35'S	5.10	3.38	✓
40'S	4.92	3.56	✓
45'S	4.92	3.76	✓
50'S	4.55	3.93	✓

8.48

	8.48	
55'S	4.42	4.06 ✓
62.5'S - ℄ Broadway	4.40	4.08 ✓
0+80		
62.5'S - ℄ Broadway	4.40	4.08 ✓
55'S	4.42	4.06 ✓
50'S	4.53	3.95 ✓
45'S	4.70	3.78 ✓
40'S	4.92	3.56 ✓
35'S	5.06	3.42 ✓
30'S	5.14	3.34 ✓
25'S	5.19	3.29 ✓
20'S	5.23	3.25 ✓
15'S	5.28	3.20 ✓
10'S	5.34	3.14 ✓
5'S	5.33	3.15 ✓
NL Broadway	5.31	3.17 ✓
0+85		
NL Broadway	5.22	3.26 ✓
5'S	5.21	3.27 ✓
10'S	5.24	3.24 ✓
15'S	5.23	3.25 ✓
20'S	5.21	3.27 ✓
25'S	5.18	3.30 ✓
30'S	5.12	3.36 ✓
35'S	5.05	3.43 ✓
40'S	4.93	3.55 ✓

8.48

	8.48	
45'S	4.66	3.82 ✓
50'S	4.51	3.97 ✓
55'S	4.40	4.08 ✓
62.5'S - ℄ Broadway	4.38	4.10 ✓
0+90		
62.5'S - ℄ Broadway	4.30	4.18 ✓
55'S	4.38	4.10 ✓
50'S	4.45	4.03 ✓
45'S	4.60	3.88 ✓
40'S	4.75	3.73 ✓
35'S	4.98	3.50 ✓
30'S	5.04	3.44 ✓
25'S	5.10	3.38 ✓
20'S	5.17	3.31 ✓
15'S	5.20	3.28 ✓
10'S	5.18	3.30 ✓
5'S	5.15	3.33 ✓
NL Broadway	5.13	3.35 ✓
0+96 = N.C.L. of Atlantic		
NL Broadway Top Cb	4.28	4.20 ✗
" " Gutter	4.98	3.50 ✓
5'S of Pavement	4.87	3.61 ✓
0.8' W of Last " "	4.80	3.68 ✓
0.8' W of " " Top Cb	4.15	4.33 ✓
10'S	4.99	3.49 ✓
2.7' W of Last " of Pav.	4.41	4.04 ✓

	8.18	8.18		
2.7' Rt Top Cb		3.99	4.49	✓
15'S of Pav'g		5.09	3.39	✓
20'S		5.06	3.42	✓
25'S		5.01	3.47	✓
30'S		4.95	3.53	✓
35'S		4.95	3.53	✓
40'S		4.72	3.76	✓
45'S		4.48	4.00	✓
50'S		4.35	4.13	✓
55'S		4.30	4.18	✓
62.5'S - ℄ Broadway		4.24	4.24	✓
1+10				
62.5'S - ℄ Broadway		4.20	4.28	✓
55'S		4.23	4.25	✓
50'S		4.30	4.18	✓
45'S		4.47	4.01	✓
40'S		4.70	3.78	✓
35'S		4.89	3.59	✓
30'S		4.93	3.55	✓
25'S		4.96	3.52	✓
20'S		5.02	3.46	✓
15'S		4.72	3.76	✓
2.2' Rt of Last in Pav		4.37	4.11	✓
2.2' Rt " " Top Cb		3.99	4.49	✓

	8.18	8.18		
1+05				
17'S of Rt Broadway Top Cb		3.91	4.57	✓
17'S " " Gutter		4.40	4.08	✓
20'S		4.96	3.52	✓
25'S		4.90	3.58	✓
30'S		4.85	3.63	✓
35'S		4.84	3.64	✓
40'S		4.68	3.84	✓
45'S		4.41	4.07	✓
50'S		4.26	4.22	✓
55'S		4.18	4.30	✓
62.5'S - ℄ Broadway		4.16	4.32	✓
1+10				
62.5'S ℄ Broadway		4.08	4.40	✓
55'S		4.13	4.35	✓
50'S		4.22	4.26	✓
45'S		4.36	4.12	✓
40'S		4.59	3.89	✓
35'S		4.79	3.69	✓
30'S		4.82	3.66	✓
25'S		4.85	3.63	✓
20'S		4.87	3.61	✓
19'S Gutter		4.76	3.72	✓
19'S Top Cb		3.86	4.62	✓

8.18

			1+15 = CL B.C. App.	
20' S of N.L. Broadway	Topcl	3.81	4.67	✓
20' " " "	Gutter	4.78	3.70	✓
25' S		4.80	3.68	✓
30' S		4.76	3.72	✓
35' S		4.74	3.74	✓
40' S		4.51	3.97	✓
45' S		4.30	4.18	✓
50' S		4.16	4.32	✓
55' S		4.09	4.41	✓
62.5' S = ℄ Broadway		4.02	4.46	✓
		1+20		
62.5' S = ℄ Broadway		3.95	4.53	✓
55' S		4.00	4.48	✓
50' S		4.11	4.37	✓
45' S		4.27	4.21	✓
40' S		4.45	4.03	✓
35' S		4.68	3.80	✓
30' S		4.70	3.78	✓
25' S		4.71	3.77	✓
20' S = Gutter		4.75	3.73	✓
20' S Topcl		3.79	4.69	✓
PP	5.79	10.47	3.80	4.68 ✓

10.47

			1+30	
20' S of N.L. Broadway	Topcl	5.65	4.18	✓ ✓
20' " " "	Gutter	6.64	3.83	✓
25' S		6.60	3.87	✓
30' S		6.56	3.91	✓
35' S		6.54	3.93	✓
40' S		6.34	4.13	✓
45' S		6.10	4.37	✓
50' S		5.98	4.49	✓
55' S		5.89	4.58	✓
62.5' S = ℄ Broadway		5.82	4.65	✓
		1+40		
62.5' S = ℄ Broadway		5.76	4.71	✓
55' S		5.81	4.66	✓
50' S		5.87	4.60	✓
45' S		6.04	4.43	✓
40' S		6.25	4.22	✓
35' S		6.45	4.02	✓
30' S		6.48	3.99	✓
25' S		6.48	3.99	✓
20' S of N.L. Broadway	Gutter	6.51	3.96	✓
20' S " "	Topcl	5.54	4.93	✓
		1+50		
20' S of N.L. Broadway	Topcl	5.43	5.04	✓
" " " "	Gutter	6.43	4.04	✓
25' S		6.42	4.05	✓

Broadway & Atlantic
10.47

10.47

30'	6.87	4.10 ✓
35'	6.30	4.17 ✓
40'	6.13	4.34 ✓
45'	5.89	4.58 ✓
50'	5.75	4.72 ✓
55'	5.69	4.78 ✓
62.5' = ∑ Broadway	5.67	4.80 ✓

4-10-32
Miller
Walker
Bliss

Atlantic St.

Levels on Full Width Pavmt. at Lindbergh. Field

B.M. B.P.	7.51	19.74		12.20 (Sisson Book 1450 Page 11) 12.23	inside el. Administration Bldg.
T.P.	5.28	20.12	4.90	14.84	

Sta 56+68 = S. End. Full Width. Pavmt.

Book 1450. P. 11 Sisson.

20'. Lt			6.65	13.47 ✓	13.41
10'. "			6.44	13.68 ✓	13.62
℄			6.29	13.83 ✓	13.78
10'. Rt.			6.19	13.93 ✓	13.89
20'. Rt			6.22	13.90 ✓	13.86.
		57+00	20.12		
20'. Rt			5.84	14.28 ✓	
10'. "			5.92	14.20 ✓	
℄			6.02	14.10 ✓	
10'. Lt.			6.14	13.98 ✓	
20'. "			6.32	13.80 ✓	
		57+50			
20'. Lt.			5.85	14.27 ✓	
10'. "			5.63	14.49 ✓	
℄			5.50	14.62 ✓	
10'. Rt.			5.40	14.72 ✓	
20'. "			5.39	14.73 ✓	
		57+87 53	P.C. Lt.		
26'. Rt.			5.12	15.00 ✓	
10'. "			5.11	15.01 ✓	
℄			5.17	14.95 ✓	
10'. Lt.			5.32	14.80 ✓	
20'. "			5.48	14.64 ✓	

Indexed C.S.R.

	20.12			
	58+00	20.12		
20'. Lt.		5.44	14.68	✓ 14.74
10'. "		5.27	14.85	✓ 14.91
℄		5.14	14.98	✓ 15.04
10'. Rt.		5.06	15.06	✓
20'. Rt.		5.03	15.09	✓
	58+50			
20'. Rt.		4.84	15.28	✓
10'. "		4.90	15.22	✓
℄		4.98	15.14	✓
10'. Lt.		5.13	14.99	✓
20'. "		5.26	14.86	✓
	59+00			
20'. Lt.		5.15	14.97	✓
10'. "		4.98	15.14	✓
℄		4.84	15.28	✓
10'. Rt.		4.75	15.37	✓
20'. "		4.67	15.45	✓
	59+50			
20'. Rt.		4.58	15.54	✓
10'. "		4.64	15.48	✓
℄		4.70	15.42	✓
10'. Lt.		4.80	15.32	✓
20'. "		4.98	15.14	✓

		20,12			
		60+00	20.12		
20' Lt			4.84	15.28	✓
10' "			4.67	15.45	✓
℄			4.54	15.58	✓
10' Rt.			4.44	15.68	✓
20' "			4.41	15.71	✓
		60+50			
20' Rt.			4.24	15.88	✓
10' "			4.31	15.81	✓
℄			4.42	15.70	✓
10' Lt			4.51	15.61	✓
20' "			4.70	15.42	✓
TP.	4.33	19.50	4.95	15.17	✓
		61+00	19.50		
20' Lt.			4.25	15.25	✓
10' "			4.11	15.39	✓
℄			4.01	15.49	✓
10' Rt.			3.94	15.56	✓
20' "			3.87	15.63	✓
		61+50			
20' Rt.			4.19	15.31	✓
10' "			4.18	15.32	✓
℄			4.27	15.23	✓
10' Lt.			4.40	15.10	✓
20' "			4.45	15.05	✓

		19.50		Atlantic St.	
		62+00	19.50		
20' Lt.			4.75	14.75	✓
10' "			4.63	14.87	✓
℄			4.55	14.95	✓
10' Rt.			4.51	14.99	✓
20' "			4.49	15.01	✓
		62+50			
20' Rt.			4.85	14.65	✓
10' "			4.80	14.70	✓
℄			4.84	14.66	✓
10' Lt.			4.88	14.62	✓
20' "			4.98	14.52	✓
		63+00			
20' Lt			5.25	14.25	✓
10' "			5.15	14.35	✓
℄			5.13	14.37	✓
10' Rt.			5.11	14.39	✓
20' "			5.17	14.33	✓
		63+55 ℄ End Full Width Permit			Book 1450. P. 12 & 1330h.
20' Rt			5.65	13.85	✓ 13.86
10' "			5.62	13.88	✓ 13.90
℄			5.64	13.86	✓ 13.88
10' Lt.			5.63	13.87	✓ 13.88
20' "			5.74	13.76	✓ 13.77
chk original BM			7.27	12.23 = 13.23	

4-15-33
Miller
Walker
Bliss.

Levels on Spur X.ing Atlantic North of Bdw.

B.M.	3.91	8.59	4.68	Bdw. + Atlantic
00 = N. Line Bdw,	= 62.50 N. ℄ Bdw.			
0 + 52.6				
46' Lt. ℄ = S. Rail		3.82	4.77	
0 + 58.7				
46' Lt = N. Rail		3.91	4.68	
0 + 66 5				
30' Lt = S. Rail.		3.95	4.64	
0 + 73 1				
30' Lt = N Rail		4.08	4.51	
0 + 76 4				
20' Lt = S. Rail		4.01	4.58	
0 + 83.6				
20' Lt = N. Rail.		4.13	4.46	
1 + 00 1				
℄ = S. Rail		4.24	4.35	
1 + 08 3				
℄ = N Rail		4.36	4.23	
1 + 31 1				
20' Rt = S. Rail		4.37	4.22	
1 + 41 3				
20' Rt = N. Rail		4.47	4.12	
1 + 51				
30' Rt = S. Rail		4.45	4.14	
1 + 63 2				
30' Rt = N. Rail		4.56	4.03	

Indexed
C.S.K.

1 + 98 2		
46' Rt. = S. Rail	4.47	4.12
2 + 25 3		
46' Rt = N. Rail	4.52	4.07
2 + 42 4		
53' Rt = Frog Pt.	4.53	4.06
3 + 02 4		
53' Rt. = Switch Pt.	4.50	4.09

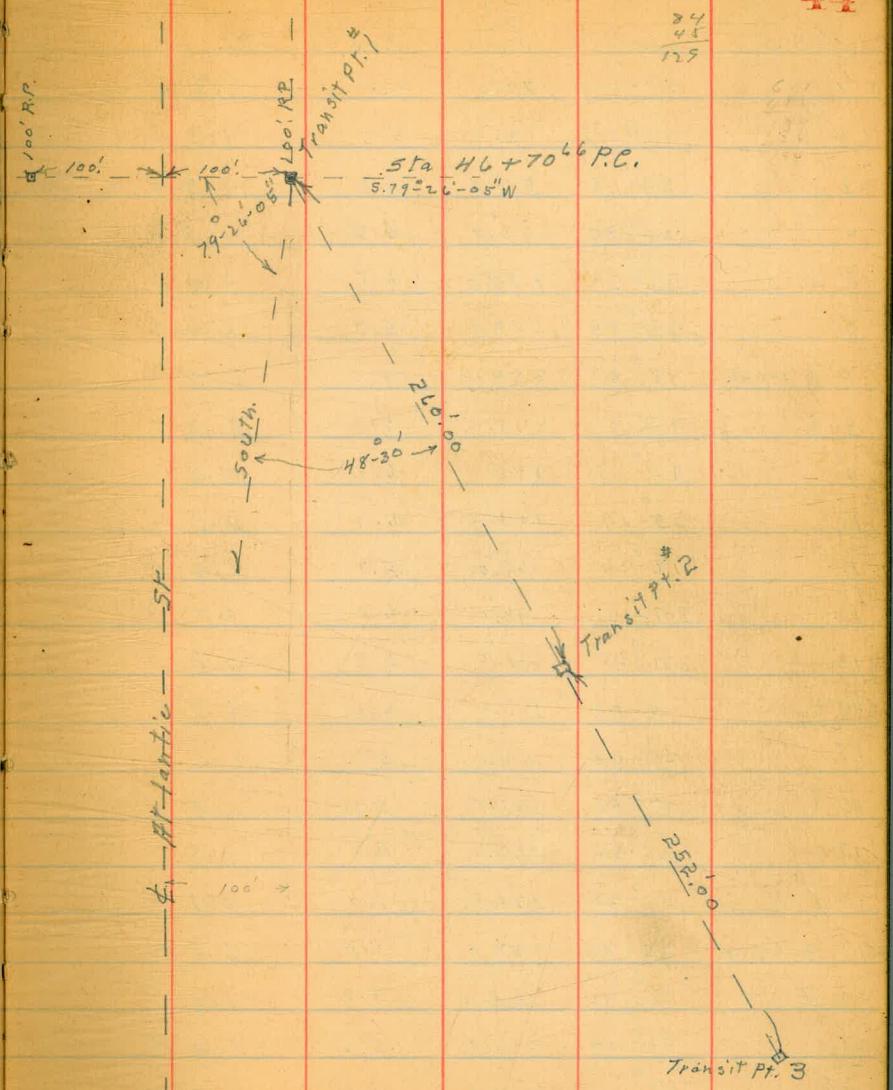
4-15-33 Topog. for X.over Atlantic St. to Taylor & San Diego Ave.

Miller Walker Bliss

B.M. Bolt Head	5.07	9.94		4.87	W. Headwall Culvert No 1824 ATSF West of Taylor & S.D. Ave
Transit Pt #1					
100' R.P. sta 46+70 44 pc			8.63	1.31	sta 46+70 44 P.C.
Transit Pt. #2			4.96	4.98	
chk Nly Cor Taylor & Mon Reference			4.74	5.20 = 5.15 B.M. Book	
	5.54	10.41		4.87 W Headwall	
N end 48" culvt			12.05	-1.64	Flow Line
S end 48" culvt			12.90	-2.49	Flow Line

Indexed
C.S.R.

44



Readings from 100' Rt R.P. Sta. 46+70.44 P.C. Atlantic St.
Azmuth from South. Counter clock wise
El. 100' Rt R.P. +5.4 H.I. 1.31 7.1

Station	Asmuth	Stadia	Rod	El.	
1	234°-05'	72.0'	4.8	2.3	✓
2	234°-05'	126.0'	5.3	1.8	✓
3	54°-15'	52.0'	5.3	1.8	✓
4	53°-30'	96.0'	5.8	1.3	✓
5	53°-30'	128.0'	6.7	0.4	✓
6	53°-06'	185.6'	5.5	1.6	✓
7 & spur	53°-23'	204.0'	4.2	2.9	✓
8 & "	43°-31'	218.0'	4.2	2.9	✓
9	42°-05'	180.0'	6.6	0.5	✓
10	38°-19'	119.0'	6.9	0.2	✓
11	16°-26'	68.0'	5.7	1.4	✓
12	307°-16'	48.0'	6.0	1.1	✓
13	336°-45'	91.0'	6.3	0.8	✓
14	4°-00'	113.0'	6.0	1.1	✓
15	20°-09'	154.0'	5.8	1.3	✓
16	27°-05'	181.0'	5.9	1.4	✓
17	35°-35'	183.0'	5.8	1.3	✓
18	30°-22'	196.0'	7.0	0.1	✓
19 & spur	35°-00'	233.0'	5.0	2.1	✓
20 & "	26°-40'	254.0'	5.2	1.9	✓
21	21°-10'	216.0'	5.2	1.9	✓
22	18°-42'	204.0'	5.8	1.3	✓
23	15°-38'	197.0'	5.1	2.0	✓
24	2°-30'	170.0'	5.4	1.7	✓
25	353°-43'	160.0'	5.6	1.5	✓

(Con) from Page 45

	Azmuth	Stadia	Rod		
26.	355°-33'	207.0	4.8	2.3	✓
27	5°-43'	221.0	4.8	2.3	✓
28	8°-46'	230.0	5.3	1.8	✓
29	16°-05'	260.0	5.1	2.0	✓
30	20°-00'	280.0	5.1	2.0	✓
31	15°-32'	303.0	5.0	2.1	✓
32	10°-05'	280.0	5.4	1.7	✓
33	3°-31'	271.0	5.7	1.4	✓
34	359°-45'	269.0	4.8	2.3	✓
35	359°-45'	291.0	5.3	1.8	✓
36	4°-48'	295.0	5.9	1.2	✓
37	10°-26'	311.0	5.9	1.2	✓
38 & Spur	12°-51'	320.0	4.8	2.3	✓
39 & "	10°-03'	342.0	4.8	2.3	✓
40	7°-15'	331.0	4.2	2.9	✓
41	0°-17'	317.0	4.3	2.8	✓
42	0°-43'	357.0	4.6	2.5	✓
43 & Spur	6°-16'	375.0	4.3	2.8	✓
44	3°-20'	407.0	4.1	3.0	✓
45	0°-44'	403.0	4.2	2.9	✓
46	0°-54'	418.0	2.7	4.4	✓
Transit Pt 2	48°-30'	chained 260.00			

Readings from Transit Pt. "2"
Azmuth from South counter Clockwise

		H.I			
El. Tr. pt "2	5.1	10.1		4.98	
	Azmuth	stadia Dist.	Rod		
47.	199°-40'	50'.0	6.8	3.3	✓
48	188°-10'	37'.0	8.2	+1.9	✓
49	122°-00'	28'.0	10.3	-0.2	✓
50	74°-05'	73'.0	11.1	-1.0	✓
51 ℄ S.F.	Track 67°-36'	108'.0	4.2	+5.9	✓
52 ℄ Track	53°-14'	141.0	4.3	5.8	✓
53	53°-22'	125'.0	5.4	4.7	✓
54	54°-22'	99'.0	9.2	0.9	✓
55	58°-11'	63'.0	9.2	0.9	✓
56.	82°-33'	24'.0	7.9	2.2	✓
57	173°-49'	22'.0	7.3	2.8	✓
58	206°-44'	44'.0	5.9	4.2	✓
59	215°-04'	46'.0	7.1	3.0	✓
60	212°-33'	36'.0	5.0	5.1	✓
61	103°-00'	9'.0	5.7	4.4	✓
62	52°-15'	53'.0	5.3	4.8	✓
63	49°-09'	80'.0	6.8	3.3	✓
64	49°-25'	97'.0	7.1	3.0	✓
65	48°-46'	120.0	5.1	5.0	✓
66 ℄ Track	49°-40'	157.0	4.3	5.8	✓
67 ℄ "	43°-27'	192.0	4.3	5.8	✓
68	42°-37'	147.0	5.0	5.1	✓
69	41°-25'	125.0	6.5	3.6	✓
70	39°-43'	111.0	7.2	2.9	✓

Readings from Transit pt #2

HI
10.1

	azimuth	Stadia	Rod.		
71	38°-23'	100.0	5.3	4.8	✓
72	31°-10'	53.0	5.4	4.7	✓
73	317°-20'	8.0	5.7	4.4	✓
74	229°-33'	30.0	5.8	4.3	✓
75	231°-49'	37.0	7.2	2.9	✓
76	264°-26'	28.0	7.6	2.5	✓
77	318°-44'	18.0	8.5	1.6	✓
78	17°-46'	58.0	8.7	1.4	✓
79	32°-44'	100.0	9.1	1.0	✓
80	39°-11'	133.0	8.3	1.8	✓
81	37°-34'	159.0	8.3	1.8	✓
82	38°-25'	173.0	8.1	+3.0	✓
83	38°-49'	179.0	11.0	-0.9	✓
84	39°-37'	185.0	6.6	+3.5	✓
85 ℄ Track	41°-56'	203.0	4.4	5.7	✓
86	34°-50'	181.0	8.3	1.8	✓
87	30°-30'	156.0	8.5	1.6	✓
88	26°-52'	122.0	8.5	1.6	✓
89	8°-08'	94.0	9.1	1.0	✓
90	346°-34'	86.0	8.3	1.8	✓
91	330°-58'	90.0	8.4	1.7	✓
92	316°-20'	95.0	7.4	2.7	✓
93	321°-11'	145.0	7.5	2.6	✓
94	330°-00'	140.0	8.4	1.7	✓

Readings from Transit Pt 2

	Azmuth	HI 10.1 Stadia Dist.	Rod.		
95	222°-40'	400.0	7.8	2.3	✓
96	220°-35'	445.0	8.1	2.0	✓
97	219°-25'	480.0	9.7	0.4	✓
98	220°-40'	485.0	8.5	1.6	✓
99	222°-35'	453.0	7.8	2.3	✓
100	225°-40'	413.0	7.5	2.6	✓
101	229°-30'	370.0	7.7	2.4	✓
102	240°-00'	305.0	8.5	1.6	✓
103	252°-55'	265.0	9.0	1.1	✓
104	268°-45'	242.0	8.3	1.8	✓
105	280°-37'	236.0	7.3	2.8	✓
106	316°-27'	284.0	7.3	2.8	✓
107	321°-17'	306.0	7.0	3.1	✓
108	352°-45'	134.0	8.4	1.7	✓
109	8°-10'	138.0	8.5	1.6	✓
110	14°-10'	138.0	8.4	1.7	✓
111	17°-40'	188.0	8.2	1.9	✓
112	21°-38'	194.0	7.5	2.6	✓
113	16°-41'	136.0	7.3	2.8	✓
114	23°-35'	119.0	7.4	2.7	✓
115	25°-57'	140.0	7.3	2.8	✓
116	27°-13'	184.0	8.0	2.1	✓
117	26°-44'	212.0	8.6	1.5	✓
118	26°-35'	217.0	6.4	3.7	✓

Readings from Transit Pt. 2

H.I. 10.1

station	Azmuth	stadia Dist.	Rod.		
119	31°-08'	223.0	5.2	4.9	✓
120	32°-18'	217.0	8.4	+ 1.7	✓
121	33°-39'	218.0	11.1	- 1.0	✓
122	34°-47'	217.0	8.5	+ 1.6	✓
123	37°-19'	225.0	4.6	5.5	✓
124 & Track	39°-13'	230.0	4.3	5.8	✓
125	36°-20'	238.0	4.0	6.1	✓
126	34°-24'	267.0	3.9	6.2	✓
127	34°-24'	270.0	4.9	5.2	✓
128 & Track	34°-58'	282.0	4.3	5.8	✓
129	31°-23'	270.0	8.6	1.5	✓
130	31°-23	263.0	4.3	5.8	✓
131	26°-16'	252.0	5.6	4.5	✓
132	25°-50'	264.0	8.8	1.3	✓
133	22°-18'	254.0	7.5	2.6	✓
134	22°-18'	250.0	7.7	2.4	✓
135	22°-18'	246.0	6.5	3.6	✓
136	16°-04'	240.0	7.6	2.5	✓
137	15°-55'	255.0	8.5	1.6	✓
138	11°-48'	200.0	8.0	2.1	✓
139	0°-42'	184.0	7.5	2.6	✓
140	345°-55'	181.0	8.0	2.1	✓
141	332°-02'	177.0	8.3	1.8	✓
142	323°-40'	175.0	7.3	2.8	✓

Readings from Transit Pt. 2

H.I. 10.1

Station	Azmuth	Stadia Dist.	Rod.		
143	327°-09'	222.0'	7.0	3.1	✓
144	337°-24'	213.0'	7.5	2.6	✓
145	349°-50'	204.0'	8.2	1.9	✓
146	2°-24'	209.0'	7.4	2.7	✓
147	351°-23'	217.0'	8.0	2.1	✓
148	348°-33'	222.0'	7.2	2.9	✓
149	348°-23'	225.0'	8.1	2.0	✓
150	339°-05'	244.0'	8.1	2.0	✓
151	338°-50'	236.0'	7.3	2.8	✓
152	331°-12'	265.0'	7.8	2.3	✓
153	335°-45'	294.0'	7.6	2.5	✓
154	336°-06'	308.0'	6.8	3.3	✓
155	330°-09'	348.0'	6.6	3.5	✓
156	328°-30'	340.0'	5.0	5.1	✓
157	339°-12'	283.0'	8.1	2.0	✓
158	339°-45'	293.0'	7.5	2.6	✓
159	352°-15'	255.0'	7.8	2.3	✓
160	352°-15'	269.0'	7.8	2.3	✓
161	1°-30'	241.0'	8.2	1.9	✓
162	1°-07'	257.0'	8.4	1.7	✓
163	7°-01'	241.0	8.0	2.1	✓
164	7°-01'	253.0	7.4	2.5	✓
165	12°-22'	239.0	7.7	2.4	✓
166	12°-22	256.0'	8.0	2.1	✓

Reading from Transit Pt. #2

Station Transit.	Azmuth.	H.I. 10.1 stadia Dist. chained	Rod.		
167. Pt #3	48-30	252.00			
T.P.	4.90	H.I. 10.90	4.10	6.00	
	Readings from Transit Pt. #3				
168	213-00	130.0	6.6	4.3	✓
169	225-25	71.0	5.8	5.1	✓
170	258-06	38.0	5.5	5.4	✓
171	294.00	25.0	5.3	5.6	✓
172	138-55	16.0	5.6	5.3	✓
173	144-30	44.0	5.7	5.2	✓
174	142-11	106.0	5.7	5.2	✓
175	143-18	158.0	6.1	4.8	✓
176	145-41	140.0	9.2	1.7	✓
177	146-12	108.0	9.7	1.2	✓
178	157-14	46.0	9.6	1.3	✓
179	168-50	20.0	9.4	1.5	✓
180	257-10	21.0	10.0	0.9	✓
181	239-09	42.0	9.0	1.9	✓
182	233-48	53.0	7.8	+ 3.1	✓
183	230-40	53.0	11.4	-0.5	✓
184	233-22	40.0	8.5	+ 2.4	✓
185	228-24	40.0	10.9	0.0	✓
186	226-32	19.0	11.9	-1.0	✓
187	226-32	17.0	10.0	+ 0.9	✓
188	194-03	19.0	9.7	1.2	✓

Readings from Transit Pt. #3

Station	Azmuth	H.I. 10.90 stadia Dist.	Rod.				
189.	197°-20'	19.0	11.2	-0.3	✓		
190	221°-41'	53.0	11.4	-0.5	✓		
191	221°-00'	56.0	8.6	+2.3	✓		
192	228°-50'	60.0	8.0	+2.9	✓		
193	228°-06'	58.0	11.7	-0.8	✓		
194 intake culvert under S.F.R.R.	231°-43'	57.0	12.1	-1.2	✓	ground	F.L = -1.91
195 outlet culvert under S.F.R.R.	247°-39'	74.0	11.6	-0.7	✓	"	F.L = -1.95
196	216°-48'	76.0	7.3	+3.6	✓		
197	218°-35'	60.0	7.8	3.1	✓		
198	216°-40'	51.0	8.3	2.6	✓		
199	200°-33'	33.0	8.2	2.7	✓		
200	182°-10'	44.0	8.5	2.4	✓		
201	175°-15'	35.0	8.5	2.4	✓		
202	190°-00'	23.0	8.4	2.5	✓		
203	210°-11'	120.0	10.2	0.7	✓		
204	213°-00'	85.0	9.5	1.4	✓		
205	206°-30'	70.0	10.2	0.7	✓		
206	203°-30'	56.6	10.2	0.7	✓		
207	200°-17'	40.0	10.3	0.6	✓		
208	183°-05'	48.0	9.9	1.0	✓		
209	168°-11'	45.0	10.2	0.7	✓		
210	203°-47'	100.0	10.8	0.1	✓		
211	192°-53'	80.0	10.6	0.3	✓		
212	186°-10'	71.0	9.4	1.5	✓		

Readings from Transit Pt #3

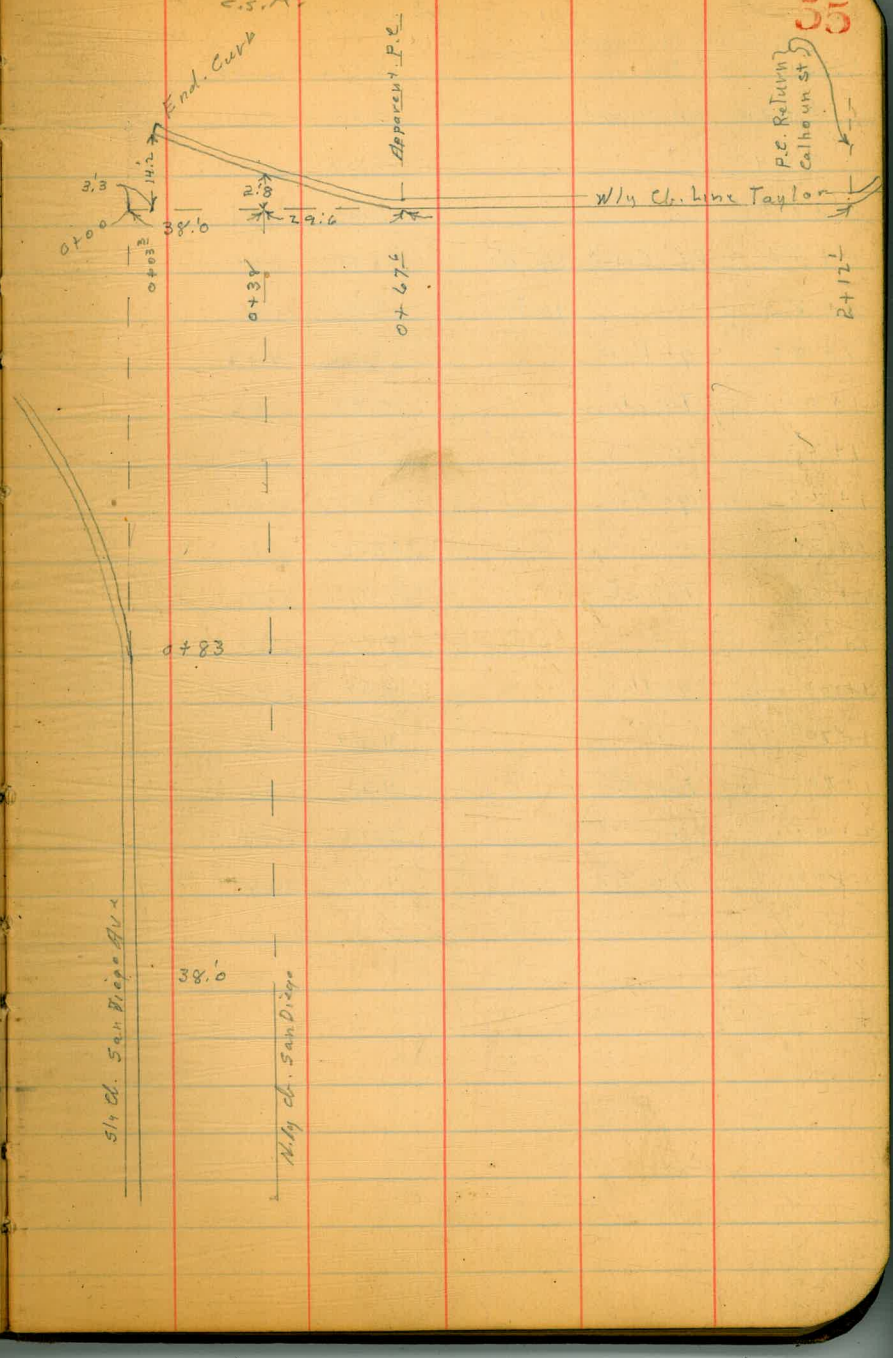
station	Azmuth	H.I. 10.90 stadia Dist	Rod		
213	170°-12'	42.0	9.7	1.2	✓
214	174°-50'	83.0	10.2	0.7	✓
215	160°-25'	80.0	9.9	1.0	✓
216	157°-25'	113.0	10.1	0.8	✓
217	155°-00'	110.0	9.9	1.0	✓
218	20°-28'	73.0	4.9	6.0	✓
219	20°-28'	54.0	5.7	5.2	✓
220	358°-06'	54.0	5.2	5.7	✓
221	358°-46'	76.0	4.4	6.5	✓
222	345°-43'	82.0	5.2	5.7	✓
223	344°-47'	50.0	4.9	6.0	✓
224					
225					
226					
227					
228					
229					
230					
231					
232					
233					
234					
235					
236					

4-24-33 Curb & Gutter Elevations
Miller
P. Walden
Bliss

Taylor & San Diego Ave

BM. Mon	5.30	10.45		5.15	Nly.Cor. Taylor & Rosecrans
Out let Culvert under Taylor St. Inlet Culvert			12.36	-1.91	F.L.
Under A.T.S.F. out let Culvert			12.36	-1.91	F.L.
Under A.T.S.F.			12.40	-1.95	F.L.
	Levels Wly cl. Taylor				
P.I. Sly. cl. line	San Diego Ave	=0+00	5.12	5.33	on Pavmt.
P.I. Wly " "	Taylor				
0+03 3			5.21	5.24	" "
14.2 W. of 0+03 3	gutter		5.49	4.96	
14.2 W " 0+03 3	S. End cmt. cb.		4.87	5.58	
0+38			5.64	4.81	on pavmt
2.8 W. of 0+38	gutter		5.61	4.84	
2.8 W of 0+38	cmt. cl.		5.00	5.45	
0+67.6	gutter at P.C. Curb.		5.71	4.74	
0+67.6	cmt. cb " " "		5.08	5.37	
1+00	gutter		5.78	4.67	
1+00	curb		5.17	5.28	
1+25	"		5.38	5.07	
1+25	gutter		6.03	4.42	
1+50	"		6.38	4.07	
1+50	curb		5.77	4.68	
1+75	"		6.19	4.26	
1+75	gutter		6.79	3.66	
2+00	"		7.27	3.18	
2+00	curb		6.63	3.82	
2+12½ P.C.	20' R. Ret. Calhoun		6.82	3.63	curb
2+12½ " "	" " " "		7.36	3.09	gutter

Indexed
C.S.F.



T 10.45

Levels S'ly. eb. San Diego Ave

P.I. {S'ly eb Line San Diego Ave / W'ly " " Taylor}		20+00	5.12	5.33
0+20	on pavmt.		5.20	5.25
0+40	" "		5.35	5.10
0+60	" "		5.49	4.96
0+83	P.C. Curb	Top. eb	4.80	5.65
0+83	" " "	gutter	5.47	4.98
1+00	gutter		5.52	4.93
1+00	Top eb		4.83	5.62
1+25	" "		4.77	5.68
1+25	gutter		5.38	5.07
1+30	"		5.35	5.10
1+30	Top eb		4.77	5.68
1+35	" "		4.73	5.72
1+35	gutter		5.34	5.11
1+70	"		4.89	5.56
1+70	Top eb		4.21	6.24
2+00	" "		3.72	6.73
2+00	gutter		4.41	6.04

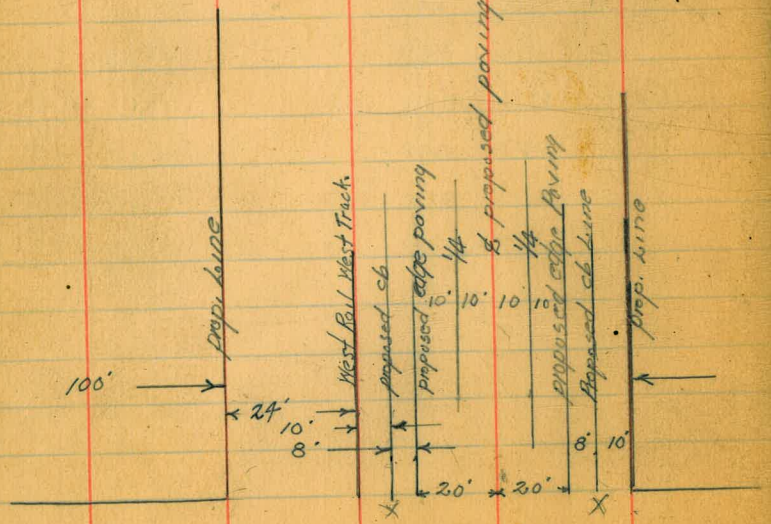
Walker
Bliss
Northard
7-24-33

Cross Section Atlantic St. (indexed as C.S.K.) 8.48

Broadway to Market

See sketch for cbs. and ¼'s etc. in N.W. B.P. Atlantic Pkwy page 9

	3.80 8.48	4.68
0+00 = St. Broadway		
East Line on Pav.	4.40	4.08
+11 on W Rail E Track	4.53	3.95
+24 " " " W "	4.45	4.03
cb " " Paving	4.63	3.85
E Pav. "	4.41	4.07
E ¼ "	4.48	4.00
℄ proposed Paving on Pav.	4.61	3.87
W ¼ " "	4.83	3.65
W edge " " " "	4.99	3.49



Broadway

24
18
09
18
100

W cb on Pav.	5.15	3.33
W. Line	4.5	4.0
0+50		
W	3.5	5.0
W.cb.	3.7	4.8
Pav.	3.8	4.7
W ¼	4.1	4.4
℄	4.3	4.2
E ¼	4.5	4.0
Pav.	4.7	3.8
cb.	4.8	3.7
+10 on W Rail W Track.	4.29	4.19
+23 " " E "	4.45	4.03
E	5.0	3.5
1+00		
E	4.9	3.6
+11	4.29	4.19
+24	4.14	4.34
cb.	4.7	3.8
Pav.	4.7	3.8
¼	4.4	4.1
℄	4.2	4.3
¼	4.2	4.3
Pav.	3.9	4.6
cb.	3.7	4.8
W Line	3.6	5.0

8.48 Atlantic St.

1+50

W Line	3.2	5.3
cb.	3.4	5.1
Pav.	3.6	4.9
1/4	4.1	4.4
℄	4.2	4.3
1/4	4.4	4.1
Pav.	4.6	3.9
cb.	4.6	3.9
+10 on W Rail W Track.	4.00	4.48
+23 " W " E "	4.11	4.37
E Line	4.6	3.9

2+00

E Line	4.5	4.0
+11' on W Rail E Track.	4.02	4.46
+24 " " " W "	3.88	4.60
cb.	4.5	4.0
Pav.	4.5	4.0
1/4	4.2	4.3
℄	4.2	4.3
1/4	4.3	4.2
Pav.	3.8	4.7
cb.	3.6	4.9
W Prop.	3.4	5.1

2+50

W Prop.	3.7	4.8
cb.	4.1	4.4

8.48 Atlantic St. 58

Pav.	4.2	4.3
1/4	4.2	4.3
℄	4.3	4.2
1/4	4.2	4.3
Pav.	4.4	4.1
cb.	4.3	4.2
+10 W Rail W Track.	3.72	4.76
+23 " " E "	3.88	4.60
℄	4.2	4.3
T.P. 4.95 9.33'	4.10	4.38

3+00.76 = N.L. E. St. 12' cbs 51' Roadway

E.	4.9	4.4
+11 W Rail E Track	4.70	4.63
+24 " " W "	4.49	4.84
cb.	4.9	4.4
Pav.	4.9	4.4
1/4	4.9	4.4
℄	4.9	4.4
1/4	4.9	4.4
Pav.	4.9	4.4
cb.	5.0	4.3
Prop	4.4	4.9

N-cb. E-St.

100' W.W.Line	4.3	5.0
46' W.W.L. on W Rail	4.11	5.22
W Line	4.3	5.0

9.33

W.cb.	4.7	4.6
Pav.	4.9	4.4
1/4	4.9	4.4
℄	4.9	4.4
1/4	4.9	4.4
Pav.	4.8	4.5
cb.	4.7	4.6
+10' W Rail W Track.	4.47	4.86
+23' " " E "	4.71	4.62
E	5.0	4.3
50' E.	5.2	4.1
100' E	4.9	4.4
℄ E-St.		
E	4.8	4.5
+11 on W Rail E Track.	4.73	4.60
+24 " " " W "	4.47	4.86
cb.	4.5	4.8
Pav.	4.6	4.7
1/4	4.9	4.4
℄	5.0	4.3
1/4	4.8	4.5
Pav.	4.7	4.6
cb.	4.6	4.7
W	4.5	4.8
+28' on W Rail	4.58	4.75
South cb - E - St.		
-100'	4.5	4.8

9.33

-50'	4.6	4.7
-9' on W Rail	4.76	4.57
W	4.6	4.7
cb.	4.6	4.7
Pav.	4.7	4.6
1/4	4.7	4.6
℄	4.9	4.4
1/4	4.9	4.4
Pav.	4.9	4.4
cb.	4.9	4.4
+10' on W Rail W Track.	4.55	4.78
+23' " W " E "	4.87	4.46
E	5.0	4.3
50' E	5.1	4.2
100' E	5.0	4.3
0+00 = J. Line E-St.		
E	5.0	4.3
+11' on W Rail E Track.	4.87	4.46
+24' " " " W "	4.56	4.77
cb.	5.0	4.3
Pav.	4.8	4.5
1/4	4.8	4.5
℄	4.9	4.4
1/4	4.7	4.6
Pav.	4.8	4.5
cb.	4.7	4.6
+3 on E Rail	4.73	4.60
+9' " W "	4.71	4.62

W	4.7	4.6
0+25		
W	3.7	5.6
cb.	4.7	4.6
Pav.	4.9	4.4
+1.5 on W Rail	4.68	4.65
+8 " E "	4.61	4.72
℄	4.7	4.6
℄	4.8	4.5
℄	4.8	4.5
Pav.	4.8	4.5
cb.	5.0	4.3
+10' on W. Rail W Track	4.62	4.71
+23 " " " E "	4.89	4.44
E	5.0	4.3
0+50		
E	5.0	4.3
+11 on W Rail E Track	4.97	4.36
+24 " W " W "	4.73	4.60
cb.	4.9	4.4
Pav.	4.9	4.4
℄	4.8	4.5
+6 on E Rail	4.60	4.73
℄	4.7	4.6
+1.5 on W Rail	4.68	4.65
℄	4.8	4.5

Pav.	5.0	4.3
cb.	4.9	4.4
W	3.9	5.4
0+75		
51.3' West E Line on W Rail	4.78	4.55
46' " " " E "	4.74	4.59
1+00		
W	4.8	4.5
cb.	5.2	4.1
Pav.	4.9	4.4
℄	5.0	4.3
℄	5.1	4.2
℄	5.2	4.1
Pav. = W Rail	5.08	4.25
+5.2 E "	4.96	4.37
cb.	5.3	4.0
+10 on W Rail W Track	4.92	4.41
+23 " " " E "	4.98	4.35
E.	5.2	4.1
1+25		
31' W E Line on E Rail	5.00	4.33
36' " " " " W "	5.12	4.21
1+50		
E	5.3	4.0
+11 on W Rail E Track	5.23	4.10
+24 " " " W "	5.11	4.22

26.8' W.E. Line on E Rail			5.07	4.26
31.8' " " " W "			5.08	4.25
cb.			5.5	3.8
Pav.			5.4	3.9
¼			5.4	3.9
L			5.3	4.0
¼			5.2	4.1
Pav.			5.5	3.8
cb.			5.3	4.0
W			4.9	4.4
	2+00			
W			5.2	4.1
cb.			4.8	4.5
Pav.			5.5	3.8
¼			5.4	3.9
L			5.5	3.8
¼			5.6	3.7
Pav.			5.6	3.7
cb.			5.9	3.4
+8.8' on W Rail Spur.			5.22	4.11
+10 " " " W Track.			5.24	4.09
+23 " " "E. "			5.35	3.98
E.			5.6	3.7
T.P.	3.12	8.86	3.59	5.74
	2+50			
E			5.5	3.4

E +11 on W Rail E Track.		5.09	3.82
+24 " " " W "		4.85	4.01
cb.		5.3	3.6
Pav.		5.2	3.7
¼		5.3	3.6
L		5.3	3.6
¼		5.2	3.7
Pav.		4.5	4.4
cb.		5.1	3.8
W		5.3	3.6
	2+99.82 = N.L. F-St.	12' cbs.	51' Roadway
W		5.2	3.7
cb.		5.3	3.6
Pav.		5.2	3.7
¼		5.2	3.7
L		5.0	3.9
¼		5.2	3.7
Paving		5.3	3.6
cb.		5.5	3.4
+10' on W Rail W Track		4.92	3.94
+23' " E. " E "		5.28	3.58
E.		6.0	2.9
	N cb. Line F-St.		
-100'		6.5	2.4
-50'		6.4	2.5
E.		6.3	2.6

8.86

cb.	5.3	3.6
Pav.	5.3	3.6
½	5.1	3.8
℄	5.1	3.8
¼	5.2	3.7
cb.	5.2	3.7
Pav.	5.2	3.7
W	5.0	3.9
+50'	4.8	4.1
+100'	4.6	4.3

℄ - F-St.

W	5.3	3.6
cb.	5.3	3.6
Pav.	5.3	3.6
¼	5.2	3.7
℄	5.1	3.8
¼	4.9	4.0
Pav.	5.0	3.9
cb.	5.0	3.9
E.	5.6	3.3

South cb. F-St.

-100'	6.7	2.2
-50'	6.4	2.5
E.	5.7	3.2
cb.	5.2	3.7
Pav.	5.2	3.7

8.86 Atlantic St. 62

½	5.3	3.6
℄	5.4	3.5
¼	5.4	3.5
Pav.	5.7	3.2
cb.	5.6	3.3
W	5.5	3.4
+50'	5.1	3.8
+100'	4.4	4.5

0+00 = Shine - F-St.

W	4.9	4.0
cb.	5.2	3.7
Pav.	5.8	3.1
¼	5.5	3.4
℄	5.5	3.4
¼	5.4	3.5
Pav.	5.3	3.6
cb.	5.3	3.6
+10' on W Rail W Track	5.05	3.81
+22.3" " " E "	5.16	3.70
E.	5.6	3.3

0+50

E.	6.0	2.9
+11 on W Rail E Track	5.09	3.77
+24' " " " W "	5.09	3.77
cb.	5.7	3.2
Pav.	5.5	3.4

8.86

1/4		5.4	3.5
℄		5.5	3.4
1/4		5.4	3.5
Pav.		5.5	3.4
cb.		5.5	3.4
W		4.7	4.2
	1+00		
W		4.7	4.2
cb.		5.4	3.5
Pav.		5.7	3.2
1/4		5.5	3.4
℄		5.5	3.4
1/4		5.6	3.3
Pav.		5.6	3.3
cb.		5.7	3.2
+10 on W Rail W Track.		5.15	3.71
E.		5.5	3.4
	1+50		
E.		6.0	2.9
+24 on W Rail W Track.		5.17	3.69
cb.		5.7	3.2
Pav.		5.7	3.3
1/4		5.5	3.4
℄		5.5	3.4
1/4		5.5	3.4
Pav.		5.6	3.3

8.86 Atlantic Street

63

cb.			5.7	3.2
W			4.5	4.4
	2+00			
W			4.5	4.4
cb.			5.4	3.5
Pav.			5.8	3.1
1/4			5.6	3.3
℄			5.7	3.2
1/4			5.7	3.2
Pav.			5.8	3.1
cb.			5.8	3.1
+10' on W Rail W Track.			5.25	3.61
+23'4" " E "			5.18	3.68
E.			6.2	2.7
	2+50			
E.			6.1	2.8
+11 on W. Rail E track.			5.37	3.49
cb.			6.1	2.8
Pav.			5.9	3.0
1/4			5.8	3.1
℄			5.7	3.2
1/4			5.6	3.3
Pav.			5.6	3.3
cb.			5.6	3.3
W			4.6	4.3
T.R	4.70	7.80	5.76	3.10

7.80

3+00.03 = N.L. G-St. 12 cbs. 51' Roadway.

W	3.5	4.3
cb.	4.5	3.3
Pav.	4.7	3.1
1/4	4.6	3.2
℄	4.8	3.0
1/4	4.9	2.9
Pav.	4.9	2.9
cb.	5.0	2.8
+10' on W Rail W Track.	4.48	3.32
+23' " " E "	4.43	3.37
E.	4.8	3.0

N cb. - G. St.

100' E.	6.0	1.8
50' E.	5.4	2.4
E.	4.7	3.1
cb.	4.9	2.9
Pav.	4.9	2.9
1/4	4.8	3.0
℄	4.8	3.0
1/4	4.7	3.1
Pav.	4.7	3.1
cb.	4.7	3.1
W	4.5	3.3

℄ - G - St.

W	4.6	3.2

7.80 Atlantic St. 61

cb.	4.6	3.2
Pav.	4.5	3.3
1/4	4.4	3.4
℄	4.6	3.2
1/4	4.7	3.1
Pav.	4.7	3.1
cb.	4.7	3.1
E.	4.4	3.4

South cb. - G. St.

100' E.	6.0	1.8
50' E.	5.5	2.3
E.	4.7	3.1
cb.	5.1	2.7
Pav.	4.9	2.9
1/4	4.7	3.1
℄	4.7	3.1
1/4	4.7	3.1
Pav.	4.8	3.0
cb.	4.6	3.2
W	4.1	3.7

0+00 = South Line - G - St.

W	4.1	3.7
cb.	5.0	2.8
Pav.	4.8	3.0
1/4	4.7	3.1
℄	4.6	3.2

1/4	4.8	3.0
Pav.	5.0	2.8
cb.	5.1	2.7
+10' on W. Rail W. Track.	4.68	3.12
+23' " W " E "	4.51	3.29
E.	4.8	3.0
0+25		
E+20.1' = E Rail	4.74	3.06
+24.8 = W "	4.80	3.00
0+50		
E.	5.1	2.7
+11 on W Rail	4.48	3.32
+22.2' on E Rail W Track.	4.81	2.99
+27.0 " W " " "	4.85	2.95
cb.	5.2	2.6
Pav.	5.1	2.7
1/4	4.8	3.0
L.	4.9	2.9
1/4	4.8	3.0
Pav.	4.9	2.9
cb.	4.9	2.9
W	4.3	3.5
0+75		
E+3.2 on W Rail	4.85	2.95
+26 " E "	4.83	2.97
1+00		

W	4.7	3.1
cb.	4.9	2.9
Pav.	4.9	2.9
1/4	4.9	2.9
L.	4.9	2.9
1/4	4.9	2.9
Pav.	4.9	2.9
+5.7 on W Rail	4.75	3.05
cb.	4.9	2.9
0.7 on E. "	4.73	3.07
+23' on W Rail E Track.	4.51	3.29
E.	5.5	2.3
1+25		
E+38.2 = on E. Rail	4.69	3.11
+43.2 " W "	4.65	3.15
1+50		
E.	5.0	2.8
+11 on W Rail E Track.	4.54	3.26
cb.	5.0	2.8
Pav.	4.8	3.0
+35' on E. Rail	4.63	3.17
+48.5 " W "	4.61	3.19
1/4	4.7	3.1
L.	4.8	3.0
1/4	4.8	3.0
Pav.	4.9	2.9

7.80

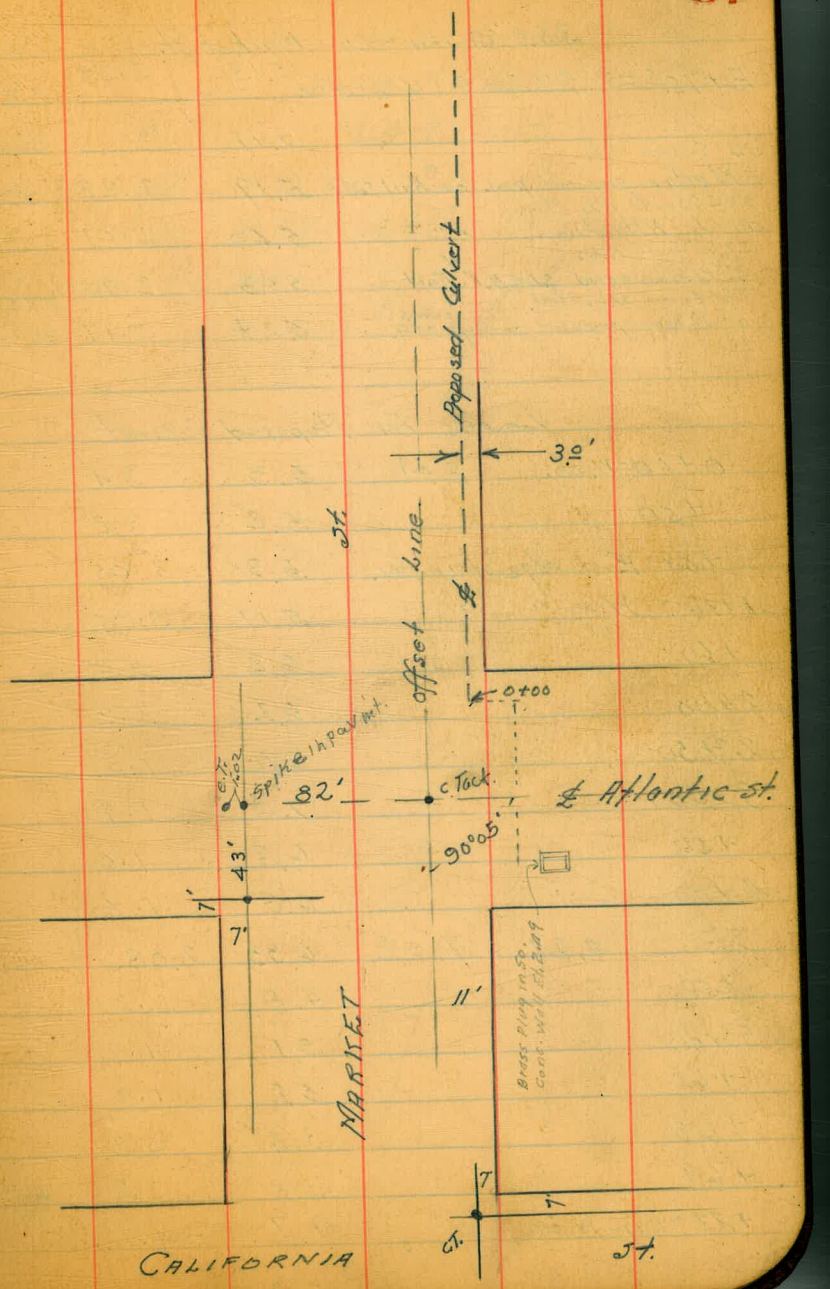
cb.		5.0	2.8
W		4.2	3.6
	1+75		
E+53' on E Rail		4.62	3.18
+58 " W "		4.59	3.21
	2+00		
W		5.0	2.8
cb.		5.0	2.8
Pav.		4.9	2.9
1/4		4.9	2.9
+7.7 on W Rail		4.56	3.24
℄		4.6	3.2
+2,5 on E Rail		4.60	3.20
1/4		4.8	3.0
Pav.		5.0	2.8
cb.		5.3	2.5
+2.3 on W Rail		4.62	3.18
E.		5.2	2.6
	2+25		
E+64.9 on E Rail		4.69	3.11
+68.8 " W "		4.66	3.14
	2+50		
T.P.	5.18 7.95	5.09	2,77 on Bolt at O.E. on E
E		5.2	2.8
+11 on W Rail		4.93	3.07
cb.		5.5	2.5

7.95 Atlantic St. 66

Pav.		5.4	2.6
1/4		5.2	2.8
℄		5.1	2.9
+5.7 on E Rail		4.87	3.08
1/4		4.9	3.1
+0.7 " W "		4.85	3.10
Pav.		5.1	2.9
cb.		5.2	2.8
W		5.0	3.0
	2+75		
E+74.8 = W Rail		4.85	3.10
E+69.8 = E "		4.86	3.09
	2+91 = End Truck on East.		
E+11' on W Rail		5.02	2.93
	on top Con Bumper =	2.95	5.00 = 9' W E Line
2+97 = ℄ Con. Bumper at end E Truck. = ℄ 22"x22" bump.			
	2+99.44 = N.L. Market St. 16' cbs. 17 1/4 s.		
W		5.0	3.0
cb.		4.9	3.1
Pav.		4.9	3.1
+6.5 on W Rail		4.81	3.14
1/4		4.8	3.2
+1.5" E Rail		4.80	3.15
℄ on old Pav.		4.92	3.03
1/4 " " "		5.04	2.91
Pav " " "		4.98	2.97
cb. " " "		5.08	2.87

cb +21.5' on end old Pav			4.78	3.17
E			5.0	3.0
5' South N.L. = N edge Side Walk				
E = W end Walk from East.			4.93	3.02
+12.5 on old Pav.			4.90	3.05
10.33' South N.L. = South edge Walk.				
E on Walk			4.99	2.96
"			5.02	2.93
" +5.5' = East edge Paving Sat. Walk and cb.				
North cb. line Market.				
100' E on cb.			6.05	1.90
100' E " Gut.			6.59	1.36
50' E " cb.			5.47	2.48
50' E " Gut.			6.02	1.93
E on cb.			5.08	2.87
" " Gut.			5.37	2.58
cb on Pav.			5.11	2.84
Pav. " "			5.00	2.95
1/4 " "			4.85	3.10
E " "			4.71	3.24
+8.4 on E Rail			4.71	3.24
1/4 on Pav.			4.71	3.24
+3.4' on W Rail			4.71	3.24
Pav. on Pav.			4.93	3.02
cb. " "			5.13	2.82
W " "			5.23	2.72
T.P.	5.50	8.41	5.04	2.91

S.E. B.P. Atlantic & Market



8.41

35.8' South N.L. Market St. 5.13 3.28

E+75.4' = W. Rail Santa Fe + N. Rail St. Car.

34' South N.L. = W edge proposed pav. on N Rail SDER.	5.19	3.22	
28.4' South N.L. Market & W.L. Atlantic " " " "	5.40	3.01	
27.6' South N.L. 3' W.W.L. = end SDER. N Rail	5.43	2.98	3'X4.3'
28' South N.L. Mkt. on W edge proposed paving } = Gas Co. M.H.	5.29	3.17	on Rim

Levels For Proposed Culvert

0+00 = W. cb.	8.41	5.3	3.1	
+50		5.2	3.2	
+88 = East edge strip Pav.		5.36	3.05	
1+30 = W " " "		5.17	3.24	
+60		6.2	2.2	
2+00		6.2	2.2	
2+50		6.9	1.5	
3+00		7.0	1.4	
+50		6.8	1.6	
4+00		6.8	1.6	
T.P.	4.94	7.02	6.33	2.08
+50			4.8	2.2
5+00			5.1	1.9
+60			5.2	1.8
+63			3.8	3.2
+69			3.8	3.2
+82 = edge Water			11.7	-4.7

7.02 Atlantic St.

6+60			19.7	-12.7
7+50			19.7	-12.7
8+20			20.7	-13.7
+30 drop off				
T.P.	5.86	7.94	4.94	2.08
Chk. on B.M. S.E. Market.			5.04	+ Atlantic

2.91

Indexed C.S.K.

Levels on Existing Pavment Atlantic + Ash. Sts.

9-14-33 Miller Bliss Kahagy

N.E. Ash + Atlantic

B.M. BP	6.27	10.25		3.98
	33.4 E. of W. line Atlantic St = E. End. Existing Pavmt 20' wide estimated cov. broken off 7.3 Triangle			
S			5.87	4.38
℄			5.81	4.44
N			5.92	4.33
	21' E. of W. line			
N			5.79	4.46
℄			5.78	4.47
S.			5.85	4.40
	8' E. of W. line = W. ch. line			
S.			5.80	4.45
℄			5.71	45.4
N.			5.70	4.55
	0+00 = W. line Atlantic.			
N.			5.64	4.61
℄			5.63	4.62
S.			5.72	4.53
	0+25 W.			
S.			5.47	4.78
℄			5.38	4.87
N			5.43	4.82
	0+50 W.			
N			5.13	5.12
℄			5.10	5.15
S.			5.18	5.07

		10.25		
		0+75 W		
S.			4.81	5.44
℄			4.75	5.50
N			4.77	5.48
		1+00 W.		
N			4.39	5.86
℄			4.33	5.92
S			4.33	5.92

12-18-33
Miller
Walker
Bliss

Tie Outs. Atlantic St

Market to Broadway.

Made ℄ straight from s.℄ line
Market. To ℄ Broadway.

Set New R.P.S 3-30-32.

Moore
Rand
Hazard

375.1
306.6
681.7

Indexed
C.S.K.

70

375.15 Meas.
375.11 Tie Pt. sheet.→

ATLANTIC

26'. W. Rail W. Track

G

Set Nail in Top of Curb

Set Ld. C.T. in Curb

55.50

Set oval headed Bolt in Sp. in pav.

Rd. Hub deep. Replaced

50.00

50' R.P.

50

Set Hub

To C.T. S.W. Cor Kellner & Gibbs

50'

50'

Tie Pt. sheet.

399.52 — Tie Pt. sheet.
399.58 Meas.

Set Ld. C.T.

To C.T. N.W.

Market.

Fd. Spk on s.℄ Line

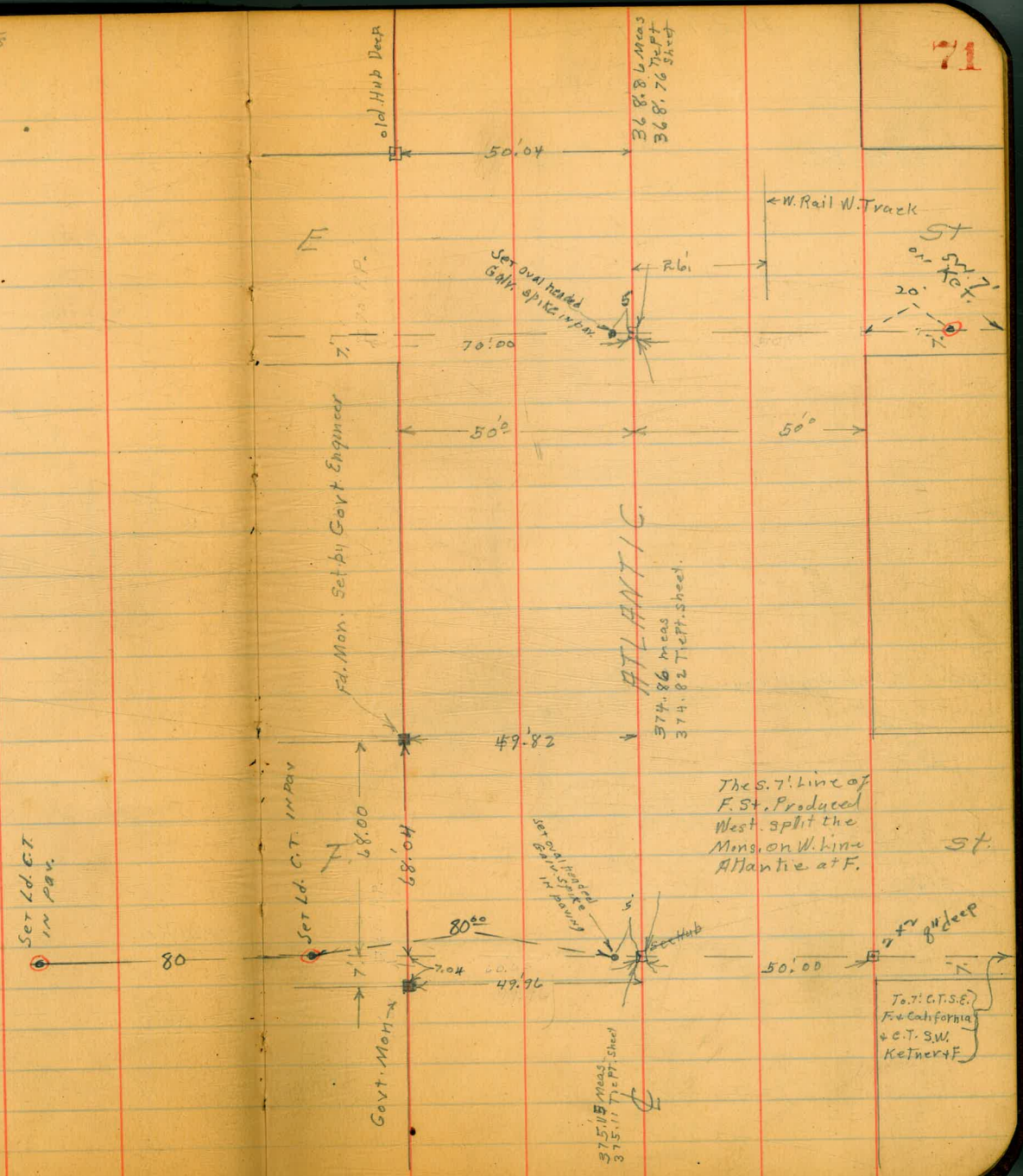
43.00

Set C.T.

Fd. C.T.

To C.T. S.W. Cor Kellner & Market

Atlantic St Tie Outs

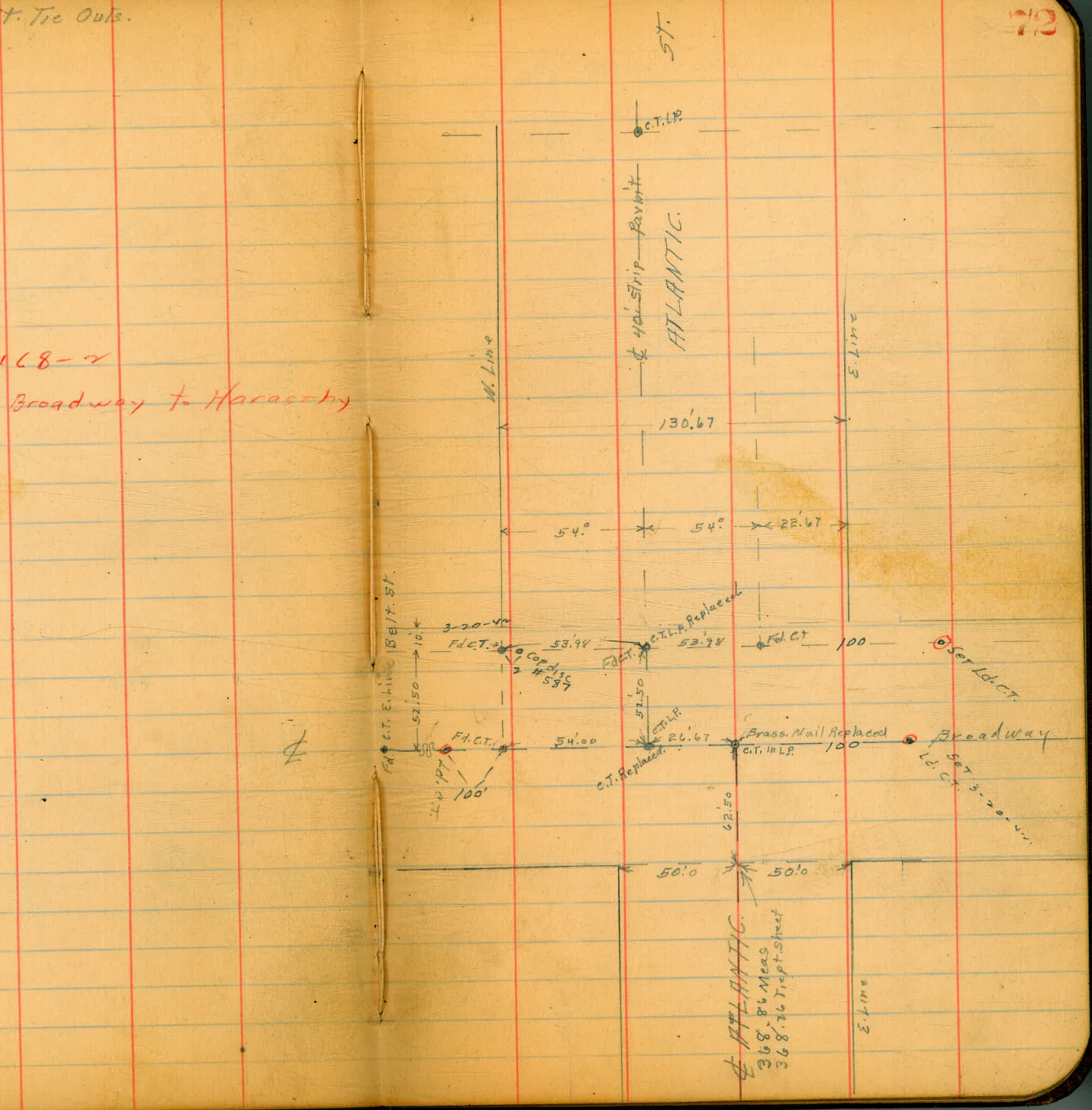


Atlantic St. Tie Outs.

5+58 4/5 B.C.

See F.B. 1468-7
for RP's Broadway to Horasby

0+00 = N. Line Broadway.



399.58
93
306 58

4-19-35
Miller
Walker
Bliss

Levels, Atlantic St. Broadway to Market for Grade Establishment.

Indexed
C.S.K.

B.M. B.P.	6.09	10.77 ✓		4.68	N.W. Broadway & Atlantic
N. line Bdw. on W. cl. Atlantic			6.58	4.19	
N. curb Bdw. W. line Atlantic			6.21	4.56	
W. line Atlantic S. cl. Bdw.			6.87	4.40	
W. cl. " 10' N. of S. line of Bdw.			6.51	4.76	
0+00 = S. line Bdw. no Curb – In Drive					
1+01 South = {S. End M. Drive / N. " & Curb.			6.13	4.64	W. Side Atl
2+94.3 " = {S. N. line E. St. / S. End & Curb.			5.76	5.01	" " "
W. line Atlantic – S. cl. E. St.			5.23	5.54	
W. Curb, Atlantic S. line E. St.			5.23	5.54	
T.P. Set.	5.05	10.58 ✓	5.24	5.53	
B.M. B.P.			5.03	5.55	S.W. Cor. Atlantic & E. St.
N. Line F. St. W. cl. Atlantic			5.67	4.91	
W. " Atlantic N. cl. F. St.			5.67	4.91	
W " " S. cl F "			5.78 ✓	4.80	
W. Curb " S. Line F. St.			5.90	4.68	on Curb stake
T.P.	4.95	9.15 ✓	6.38	4.20	
T.P. B.M. B.P.	4.87	7.78 ✓	6.24	2.91	S.E. Market & Atlantic
S. cl. Market. E. line Atlantic			4.90	N.88	Top. curb.
S. line " E. cl. line "			4.70	3.08	on pavmt.
" " " W. line (old.) " 100' wide			4.69	3.09	W. Edge Pav.
" cl. line Market. old W. line Atlantic			4.72	3.06	W. Edge Pav.
N. cl. " " " " " "			5.03	N.75	on Pav.
" " " " 10' W. of old W. line Atlantic			5.37	N.41	W. Edge pav.

7.78 ✓

N. line Market 10' W. of Old W. line Atlantic	5.30	N.48	W. edge Pav.
N. line Market 10' Old W. line of Atlantic	5.04	N.74	
E. line Atlantic N. cl. Market	4.92	N.86	
N. line Market E. Curb Atlantic	4.65	3.13	on pavmt.

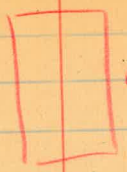
Moore 6-6-35

Market

SE B.P. Poc – 2.91

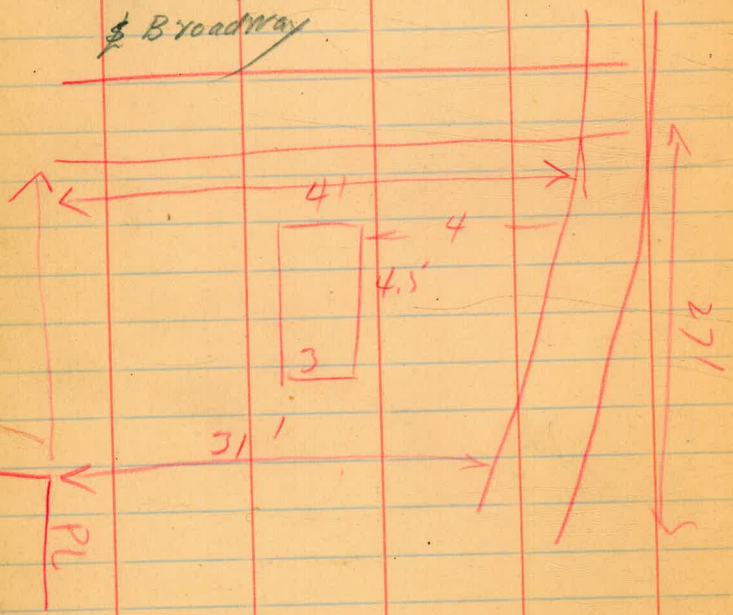
2.91
5.78 ✓
8.69 ✓

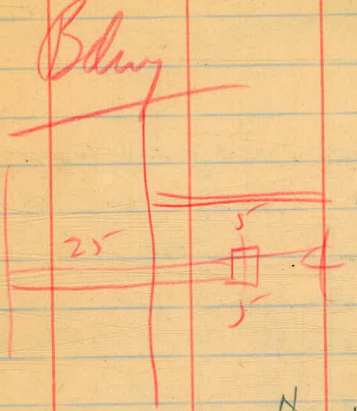
27' N of N.L Market
3✓1 = 66 grade
63
✓8.3 gut grade
✓5.6 gr. rod chisel cut water box –

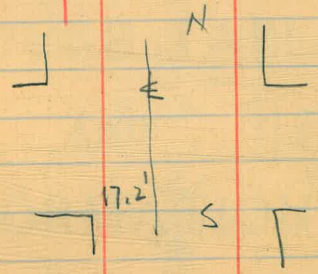


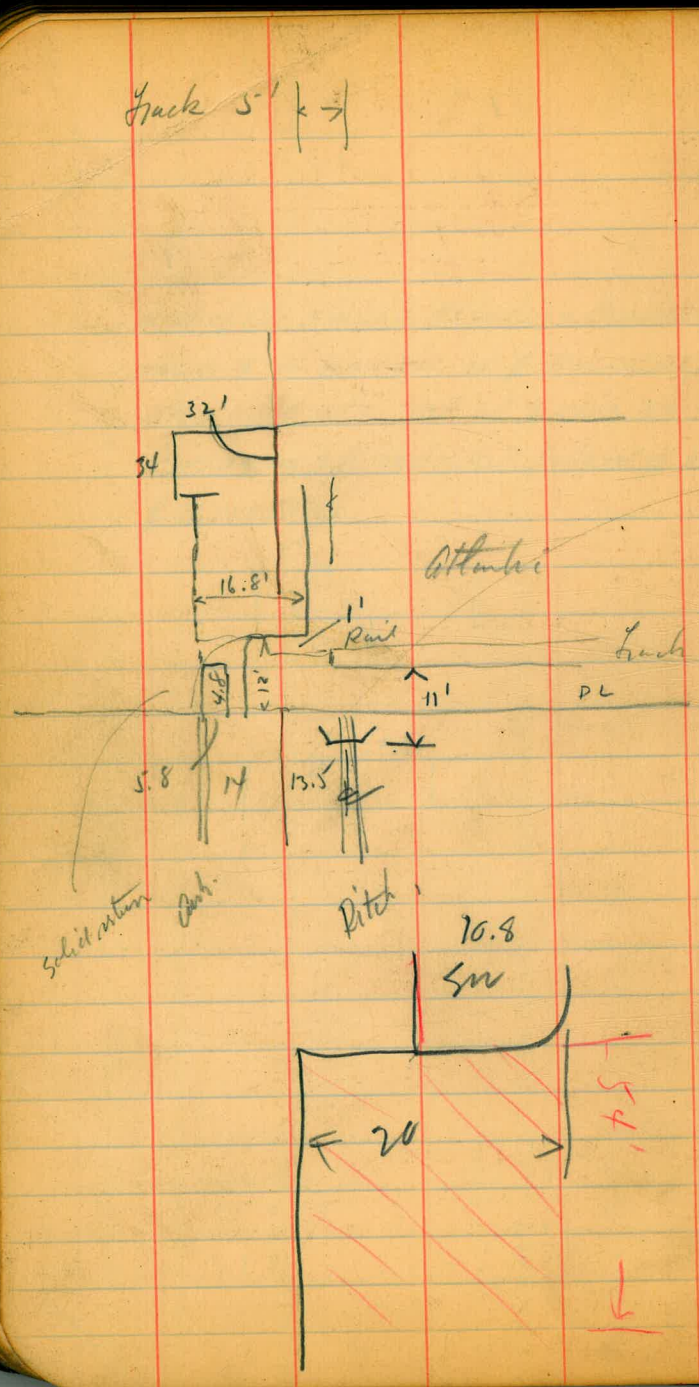
End of Cb SW cor Atlantic x Broadway 0.2 above ℄ of new par at ℄ Broadway

Elev of Grate int of 2 cb's SW cor Broadway x Atlantic 0.7 below ℄ par at ℄ Broadway









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.

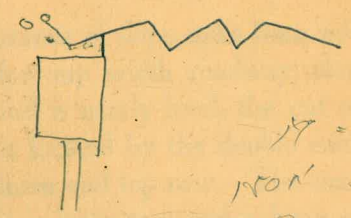
Degree of curve with a given I may be found by dividing tangent, (or external), opposite I by given tangent, (or external).

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.

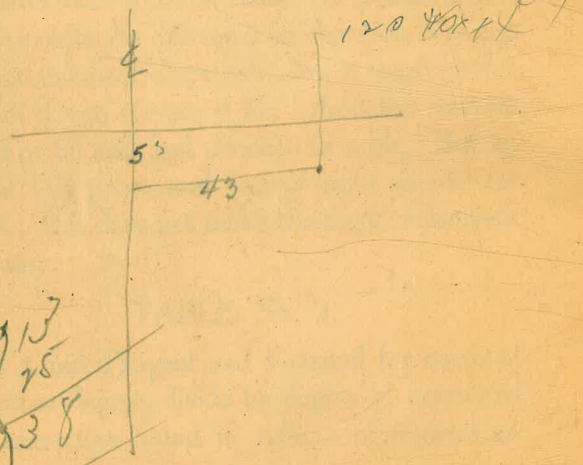
39 from W.L.E. track to ℄

+5.7

℄ Bent



H = 5.10
Iron 338
Slag 868



913
25
938

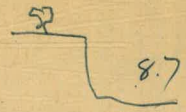
940
4.25
5.15

33.5
8
5.5

54
2.8
26

54
33.5
20.5

5.35



8.70
5.3
3.4

1425.05

88.0
62.5
25.5

3.4
2.9
.5