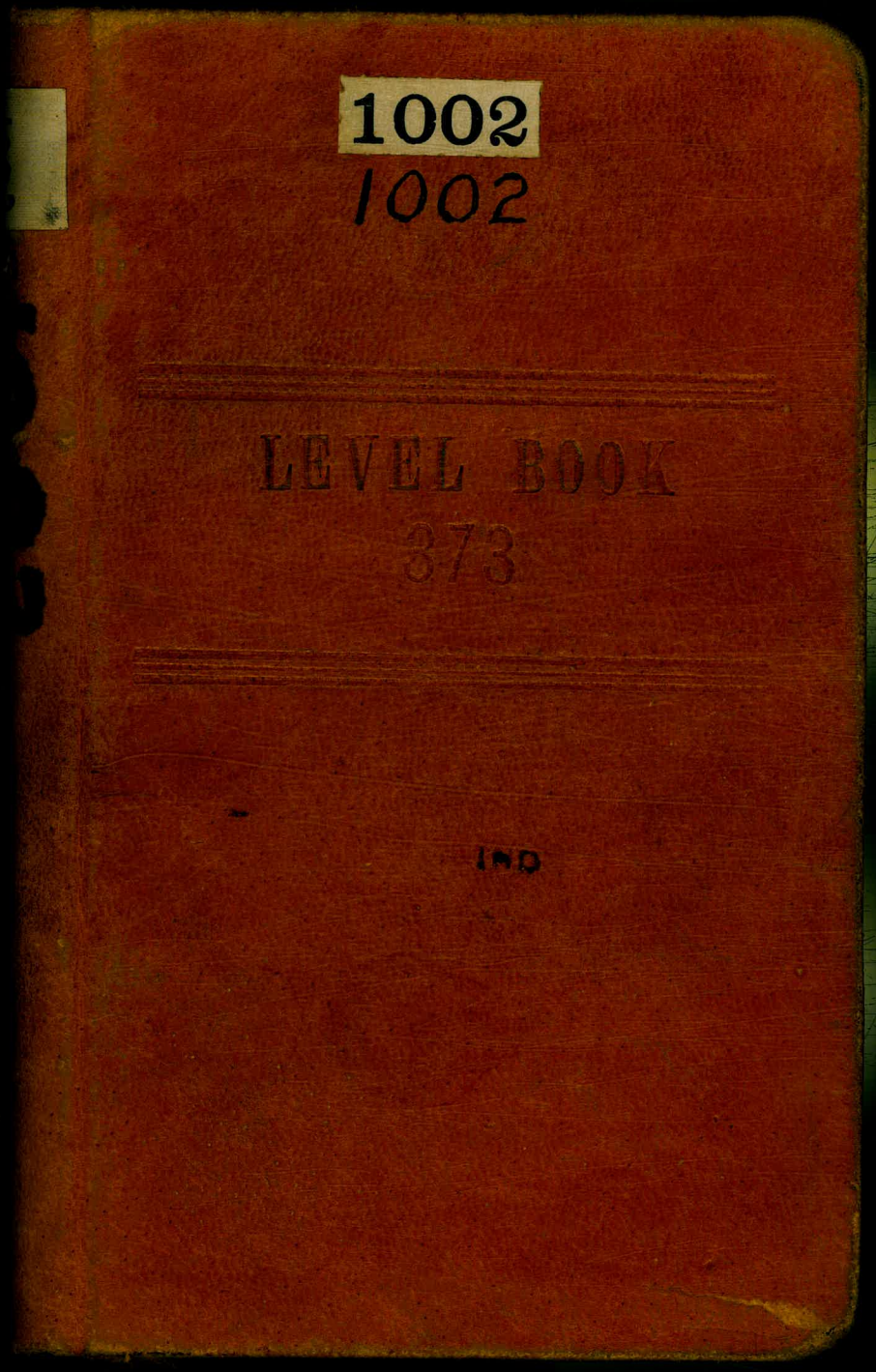
1002
1002
LEVEL BOOK
373
IND

TABLES FOR EXCAVATIONS AND EMBANKMENTS.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.
ROADWAY 18 FEET WIDE. SIDE SLOPES 1 TO 1.
FOR SINGLE TRACK EXCAVATION

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	0
1	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	1
2	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	2
3	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	3
4	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	4
5	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	5
6	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	6
7	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	7
8	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	8
9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	9
10	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	10
11	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	11
12	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	12
13	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	13
14	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	14
15	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	15
16	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	16
17	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	17
18	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	18
19	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	19
20	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	20
21	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	21
22	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	22
23	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	23
24	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	24
25	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	25
26	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	26
27	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	27
28	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	28
29	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	29
30	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	30
31	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	31
32	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	32
33	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	33
34	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	34
35	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	35
36	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

3.91	33.61		29.70 Mon	SEP 99
0.28	21.62	1x17	21.34	

Plotted 5/26/16 GW

Levels over ℄ Proposed Linda Vista Road 2

Dan Hancock Harnack

Sta	+	HI 21.62	−	Elev
331+45.27			7.5	14.1
+30			7.7	13.9
331			12.2	9.4
+50			13.3	8.3
330			13.0	8.6
+50			13.3	8.3
329			12.8	8.8
+50			12.6	9.0
328			13.0	8.6
+50			13.9	7.7
+30			16.1	5.5
327			14.2	7.4
+50			13.3	8.3
326			12.8	8.8
+50			11.2	10.4
325			10.1	11.5
+50			8.0	13.6
324			3.6	18.0
T.P	12.27	33.61	0.28	21.34

Sta	+	HI	−	Elev
+50			10.7	22.9
323			6.4	27.2
+50			4.2	29.4
322			3.5	30.1
+50			3.3	30.3
321			3.0	30.6
+50			2.9	30.7
320			2.7	30.9
+50			2.4	31.2
T.P	12.56	44.06	2.11	31.50
319			12.4	31.7
+50			12.0	32.1
318			11.3	32.8
+50			9.7	34.4
317			8.0	36.1
+50			6.3	37.8
316			4.0	40.1
+80.65			3.1	41.1
T.P	12.87	56.81	0.07	43.99

Sta	+	H1 56.81	−	Elev
+58.5			14.0	42.8
+50			13.8	43.0
315			9.9	46.9
+548	on hub		6.08	50.73
+50			6.2	50.6
314			2.6	54.2
T.P	17.98	69.70	0.09	56.72
+50			12.1	57.6
313			8.1	61.6
+50			3.6	66.1
312			0.2	69.5
T.P	13.02	82.60	0.12	69.58
+50			11.3	71.3
311			12.6	70.0
+50			8.6	74.0
310			4.2	78.4
+50			2.2	80.4
+38			1.2	81.4
+30			3.2	79.4

Sta	+	H1	−	Elev
+24			1.4	81.2
T.P	7.69	90.10	0.19	82.41
+07			7.8	82.3
309			9.2	80.9
+95			11.6	78.5
+81			5.6	84.5
+50			4.5	85.7
308			2.5	87.6
+839	on hub.		2.25	87.86
+50			1.7	88.4
+25			3.6	86.5
307			6.8	83.3
+75			15.0	75.1
+55			21.7	68.4
+50			22.6	67.5
+46			21.4	68.7
+30			20.7	69.4
+25			19.2	70.8
306			6.4	83.9

Sta	+	HI 90.10	−	Elev.
T.P	1.94	102.98	0.06	90.04
+75			1.0	92.0
+60			7.4	95.6
+50			6.2	96.8
+083 EC			0.9	102.1
T.P	1.72	115.61	0.09	102.89
305			12.5	103.1
+50			7.2	108.4
304			2.6	113.1
+50			0.7	114.9
T.P	1.89	128.44	0.06	115.55
+068 EC			11.3	117.1
303			11.8	116.6
+99			12.7	115.7
+89			10.5	117.9
+77			11.0	117.4
+64			10.5	117.9
+60			9.6	118.8
+50			10.0	118.4

Sta	+	HI 141	−	Elev
302			7.9	120.5
+50			4.2	124.2
T.P	1.76	141.10	0.09	128.35
301			12.4	128.7
+50			9.6	131.5
+16			6.9	134.2
+05			2.9	138.2
300			2.3	138.8
T.P	1.91	153.85	0.16	140.94
+50			10.8	143.1
399			9.3	144.6
+82			10.3	143.6
+67			9.2	144.7
+50			8.5	145.4
298			6.2	147.7
+67.4 EC			2.9	151.0
+50			1.6	152.3
T.P	10.15	163.98	0.62	153.23
+25			9.3	154.7

Sta	+	HI 163.98	−	Elev.
297			8.6	155.4
BM. on P.I. Hub.			6.66	157.32
+75			9.0	155.0
+52			19.1	144.9
+50			21.0	143.0
+45			18.0	146.0
+25			11.3	152.7
+14.83 PC			8.0	156.0
296			4.4	159.6
+64.01 EC			2.2	161.8
T.P	13.01	176.81	0.18	163.80
+50			13.9	162.9
295			9.8	167.0
+50			7.5	169.3
+20			5.8	171.0
294			6.5	170.3
+80			6.3	170.5
+65			6.8	170.0
+44.13 PC			4.8	172.0

Sta	+	HI	−	Elev.
293			0.0	176.8
T.P	12.99	189.71	0.09	176.72
+50			9.4	180.3
+26.72 EC			7.8	181.9
292			6.9	182.8
+50			4.4	185.3
291			1.8	187.9
T.P	12.71	202.19	0.23	189.48
+50			11.7	190.5
290			9.9	192.3
BM. Hub on P.I.			9.56	192.63
+50			8.1	194.1
289			6.7	195.4
+50			5.0	197.2
288			2.9	199.3
+71.11 PC			2.0	200.2
+50			1.6	200.6
T.P	9.73	211.62	0.30	201.89
287			9.4	202.2

Sta	+	HI 211.62	−	Elev.
150			8.2	203.4
286			7.0	204.6
150			5.8	205.8
285			5.4	206.2
150			5.1	206.5
284			4.5	207.1
283+50			3.4	208.2
282+99.4 EC			3.1	208.5
150			3.3	208.3
282			3.2	208.4
T.P	9.94	218.57	2.99	208.63
150			10.1	208.5
281			10.0	208.6
+92.29 PC			10.1	208.5
150			10.0	208.6
121			9.5	209.1
280			10.3	208.3
150			11.7	206.9
105.18			11.5	207.1

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Sta	+	HI	−	Elev.
279			11.4	207.2
150			10.5	208.1
278			9.2	209.4
BM. Nub on PI			7.41	211.16
150			7.1	211.5
277			4.9	213.7
+76.21 PC			4.0	214.6
150			2.9	215.7
276			1.2	217.4
T.P	1.77	230.91	0.38	218.19
150			11.0	219.9
275			7.6	223.3
150			6.3	225.6
274			5.2	225.7
150			3.7	227.2
125			0.9	230.0
TP	1.77	243.49	0.19	230.72
109			11.1	232.4
273			8.7	234.8

Sta	+	141 243.49	-	Elev
+75			6.0	237.2
+64			5.1	238.4
+62			3.6	239.9
+50			3.0	240.5
T.P	12.79	255.85	0.43	243.06
+25			12.0	243.9
272			8.6	247.3
+75			4.8	251.4
T.P.	4.72	259.89	0.69	255.16
+50			4.5	255.4
+332 E.C.			2.0	257.9
271			0.6	259.3
+50			0.5	259.4
270			1.1	258.5
1+167 P.C			3.0	256.9
269			4.2	255.7
+50			5.5	254.4
+25			5.1	254.8
268			7.5	252.4

Sta	+	141	-	Elev
+50			9.6	250.3
267			11.1	248.8
+50			10.5	249.4
266			9.3	250.6
+50			7.9	252.0
265			6.1	253.8
+50			4.6	255.3
T.P	1.89	268.22	4.56	255.33
264			11.6	256.6
+50			12.5	255.7
263			13.3	254.9
+902 E.C.			13.1	255.1
+50			12.6	255.6
262			10.7	257.5
+50			8.0	260.2
261			6.5	261.7
+50			6.6	261.6
+15			6.4	261.8
260			5.5	262.7

Sta	+	HI	−	Elev
		268.22		
+75			4.7	263.5
+60			5.3	262.9
+50			4.7	263.5
259			4.8	263.4
+85			4.5	263.7
+50			2.5	265.7
+35			2.2	266.0
+15			3.5	264.7
258			1.8	266.4
T.P	8.6	274.52	2.34	265.88
+95			7.7	266.8
+75			9.0	265.5
+50			8.6	265.9
+20			8.2	266.3
257			7.1	267.4
+65			6.2	268.3
+50			7.4	267.1
256			7.3	267.2
+50			6.8	267.7

Sta	+	HI	−	Elev
+15 PC on hub			5.50	269.02
255			5.9	268.6
+60			6.5	268.0
254			6.5	268.0
+65			6.2	268.3
+50			5.0	269.0
+25			3.9	270.6
+10			4.3	270.2
253			3.0	271.5
+85			2.2	272.3
T.P	8.7	281.02	2.22	272.80
+55			9.1	271.6
+50			9.3	271.7
+25			8.8	272.2
+15			8.0	273.0
252			8.2	272.8
+50			7.0	274.0
251			6.1	274.9
150			5.3	275.7

Sta	+	HI 281.02	−	Elev	
250			5.7	275.3	X
+50			6.0	275.0	
249			5.4	275.6	
+50			5.1	275.9	
248			5.8	275.2	
+50			5.8	275.2	
247			5.0	276.0	
+50			4.4	276.6	
T.P	10.90	287.88	4.04	276.98	
246			10.8	277.1	
+50			9.8	278.1	
245			7.9	280.0	
+50			6.4	281.5	
244			5.9	282.0	
+50			5.3	282.6	
243			5.3	282.6	
+50			5.1	282.8	
+30			4.9	283.0	
242			6.3	281.6	

Sta	+	HI 299.49	−	Elev	
+50			7.5	280.4	
241			5.6	282.3	
+50			1.8	286.1	
+30 15 EC.			1.1	286.8	
T.P	12.28	299.49	0.67	287.21	
240			12.3	287.2	
+50			11.8	287.7	
239			12.4	287.1	
+50			11.0	288.5	
238			8.5	291.0	
+50			7.8	291.7	
237			8.4	291.1	
+50			9.1	290.4	
+50			8.4	291.1	
236			7.5	292.0	
+50			4.2	295.3	
+25			2.6	296.9	
T.P	12.49	311.37	0.61	298.88	
235			10.4	300.8	

Sta	+	HI 311.37	−	Elev
+50			6.9	304.5
2+34			6.1	305.3
100			5.1	306.3
+30			3.8	307.6
2+33			4.6	306.8
+50			3.8	307.6
2+32			3.1	308.3
+80			1.4	310.0
+49 PC			1.3	310.1
+25			2.0	309.4
2+31			0.9	310.5
T.P	1+73	323.34	0.76	310.61
+50			11.9	311.4
2+30			10.3	313.0
+50			8.8	314.5
2+29			7.3	316.0
+50			5.4	317.9
2+28			4.3	319.0
+50			5.3	318.0

Sta	+	HI	−	Elev
2+27			5.0	318.3
+50			4.4	318.9
+40			4.1	319.2
2+26			2.7	320.6
T.P	1+81	338.21	0.94	327.40
+50			13.7	324.5
2+25			12.1	326.1
+50			10.9	327.3
2+24			9.7	328.5
+50			8.0	330.2
2+23			6.5	331.7
+50			4.3	333.9
2+22			3.0	335.2
+50			1.8	336.4
T.P	1+13	347.38	0.66	336.72
2+21			1.7	336.7
450			11.2	336.2
2+20			9.4	338.0
+50			8.1	339.3

Sta	+	347.38	−	Elev
219			6.7	340.7
+50			6.0	341.4
218			5.1	342.3
+50			3.7	343.7
217			4.4	343.0
+70 39	E.C.		3.2	344.2
+50			3.2	344.8
216			1.4	346.0
T.P	12.89	359.58	0.69	346.69
+50			12.0	347.6
X 215			10.9	348.7
+50			9.4	350.2
214			8.4	351.2
Brg. Hdl on P.I.			9.27	350.31
+50			7.6	352.0
213			6.8	352.8
+50			6.3	353.3
212			6.7	352.9
+50			8.2	351.4

Sta	+	141	−	Elev
+2588 P.C.			8.5	351.1
+10			8.0	351.6
211			8.6	351.0
+50			9.0	350.6
210			8.5	351.1
+90			7.8	351.8
+50			7.9	351.7
209			7.1	352.5
+75			7.1	352.5
T.P	6.05	358.91	6.72	352.86
+50			5.6	353.3
+40			6.8	352.1
+10			6.0	352.9
208			7.0	351.9
+50			7.6	351.3
+25			7.0	351.9
+10			8.1	350.8
207			7.7	351.2
+80			7.0	351.9

Sta	+	HI	−	Elev
		358.91		
+65			8.2	350.7
+50			8.1	350.8
+20			8.3	350.6
206			6.7	352.2
+75			8.4	350.5
+55			8.4	350.5
+40			6.7	352.2
+20			8.1	350.8
205			7.9	351.0
+70			7.6	351.3
+60			6.7	352.2
204			6.5	352.4
+50			6.8	352.1
203			6.5	352.4
+50			5.8	353.1
+35			5.6	353.3
+20			4.1	354.8
202			4.9	354.0
+75			4.7	354.2

Sta	+	HI	−	Elev
+55			3.1	355.8
+40			3.9	356.0
+25			3.7	355.2
+10			2.1	356.8
T.P.	2.79	359.68	2.02	356.89
201			3.0	356.7
+70			4.4	355.4
+50			4.7	355.0
200 on hub			4.62	355.06
+60			4.6	355.1
+20			4.2	355.5
199			5.3	354.4
+60			5.5	354.2
+35			6.5	353.2
198			7.3	352.4
+55			8.2	351.5
+50			7.0	352.7
+20			8.6	351.1
197			9.0	350.7

Sta	+	HI	−	Elev
		359.68		
+50			9.6	350.1
+40			9.5	350.2
+25			8.3	351.4
196			9.9	349.8
+75			9.1	350.6
+50			10.4	349.3
195			10.8	348.9
+50			11.4	348.3
T.P.	2.66	350.79	11.65	348.13
+40			11.2	349.6
+10			3.4	347.4
194			3.0	347.8
+85			2.1	348.7
+60			3.9	346.9
+50			2.7	348.1
+40			2.1	348.7
+20			4.0	346.8
193+02	95 E.C.		2.9	347.9
192+95			3.1	347.7

Sta	+	HI	−	Elev
		342.65		
+77			5.3	345.5
+60			5.3	345.5
+50			4.3	346.5
+20			6.3	344.5
192			6.1	344.7
+50			6.0	344.8
+35			5.1	345.7
191			5.8	345.0
+50			4.9	345.9
190			6.0	344.8
BM on Hub at RI.			6.69	344.22
+50			7.8	343.0
189			10.9	339.9
+75			12.1	338.7
T.P.	4.03	342.65	12.19	338.62
+50			6.5	336.2
+20			9.2	333.5
+09			14.0	328.7
188			12.0	330.7

Sta	+	HI 342.66	−	Elev
+75			7.5	335.2
+50			6.6	336.1
+40			6.4	336.3
+10			7.9	334.8
187			7.6	335.1
+91 77 P.C.			7.2	335.5
+50			7.4	335.3
186			6.4	336.3
+70			5.1	337.6
+50			5.6	337.1
185			4.0	338.7
+92			3.8	338.9
+80			4.2	338.5
+50			1.6	341.1
+25			2.7	340.0
184			0.3	342.4
T.P.	5.72	348.25	0.12	342.53
+50			6.0	342.0
183			7.1	341.2

Sta	+	HI	−	Elev
+55			6.3	342.0
+50			7.1	341.2
+45			7.8	340.5
182			8.0	340.3
+60			7.3	341.0
+50			6.6	341.8
+38			6.0	342.3
+20			6.7	341.6
181			6.7	341.6
+50			5.8	342.5
180			4.9	343.4
+50			3.8	344.5
+25			3.5	344.8
179			4.2	344.1
+60			2.9	345.4
T.P.	7.96	356.27	0.23	348.02
178			7.8	348.2
+50			3.5	352.5
BM +38 on hub			2.0	352.0

Sta	+	HI. 355.97	−	Elev.
177			3.0	353.0
+50			4.3	351.7
176			4.9	351.1
+50			4.5	351.5
175			4.3	351.7
+50			3.8	352.2
174			3.5	352.5
+50			3.5	352.5
173			3.8	352.2
+50			4.0	352.0
TP +12.8	0.72	353.02 ✓	3.67	352.30 ✓ on hub
172			4.0	352.0
+50			4.5	351.5
171			4.1	350.9
+50			3.8	349.2
170			4.3	348.9
+50			5.1	347.9
169			5.5	347.5
+50			5.4	347.6

Sta	+	HI.	−	Elev.
168		353.02	5.1	347.9
+50			4.9	348.1
167			6.7	346.3
+50			8.0	345.0
166			8.8	344.2
+50			10.7	342.3
+32			11.5	341.5
166			8.8	344.2
+70			6.1	346.9
+50			6.4	346.6
164			5.7	347.3
+50			5.0	348.0
163			4.4	348.6
+50			3.9	349.1
162			3.2	349.8
TP	8.10	358.20 ✓	2.92	350.10
+50			8.3	349.8
161			8.5	349.7
+50			8.6	349.6

Sta	+	H.I.	−	Elev.	
160			9.6	348.6	
+60			9.5	348.7	
+50			9.3	348.9	
159			8.6	349.6	
+50			7.5	350.7	
158			7.0	351.2	
+50			6.4	351.8	
157			6.1	352.1	
+50			5.1	353.1	
156			4.6	353.6	
+50			4.1	354.1	
155			3.38	354.82	on hub
+50			3.8	355.4	
154			1.6	356.6	
+50			0.8	357.4	
T.P.	9.40	366.91 ✓	0.69	357.51	
153			8.0	358.9	
+50			5.9	361.0	
152			4.2	362.7	

Sta	+	H.I.	−	Elev.	
+50		366.91	3.6	363.3	
151			3.8	363.1	
+50			3.4	363.5	
150			3.0	363.9	
+50			1.7	365.2	
149			2.7	364.2	
+65			4.5	362.4	
+50			6.4	360.5	
148			10.7	356.2	
+50			12.8	354.1	
T.P.	0.74	354.70 ✓	12.96	353.96 ✓	
147			2.1	352.6	
+50			3.4	351.3	
146			4.2	350.4	
+76			4.6	350.1	
+50			5.0	349.7	
145			5.4	349.5	
+50			5.5	349.2	
+36			4.4	350.3	

Sta	+	HI 354.70	−	Elev.
144				
			5.6	349.1
BM. Nail on PI				
			5.13	349.57
+50				
			5.10	349.6
143				
			6.0	348.7
+78				
			7.9	348.8
+66				
			6.6	348.2
+50				
			6.0	348.7
142				
			5.2	349.5
+50				
			4.3	350.4
+335° PC				
			4.5	350.2
141				
			3.8	350.9
+50				
			3.2	351.5
140				
			2.0	352.7
TP	12.78	366.26 ✓	1.22	353.48 ✓
+50				
			11.9	354.4
139				
			10.9	355.4
+50				
			9.1	357.2
138				
			7.9	358.4
+50				
			6.8	359.5

Sta	+	HI	−	Elev.	
137		366.26	5.8	360.5	
+50			4.8	361.5	
136			3.2	363.1	
+50			2.4	363.9	
TP +00	5.87	371.21 ✓	0.87	365.39 ✓	on hub
135			5.7	365.5	
+75			5.1	366.1	
+50			5.9	365.3	
134			7.1	364.1	
+50			7.2	364.0	
133			7.7	363.5	
+50			7.3	363.9	
+10			7.0	364.2	
132			6.1	365.1	
+50			5.8	365.4	
131			4.9	366.3	
+60			5.2	365.8	
+50			6.6	364.6	
130			7.6	363.6	

Sta	+	HI 371.21	−	Elev.
+50			8.x	363.0
+35			7.6	363.6
1x9			7.9	363.3
+50			7.1	364.1
1x8			5.9	365.3
+50			4.1	367.1
1x7			2.3	368.9
T.P.	1x.88	383.33 ✓	0.76	370.45 ✓
+50			1x.3	371.0
1x6			10.2	373.1
+50			8.1	375.2
1x5			6.3	377.0
+50			5.4	377.9
1x4			4.4	378.9
+50			3.5	379.8
1x3			2.7	380.6
+50			1.4	381.9
1x2			1.3	382.0
T.P.	1x.69	395.00 ✓	1.02	382.31 ✓

Sta	+	HI 395.00	−	Elev.
+50			11.7	383.3
121			9.6	385.4
+50			8.4	386.6
+35			9.2	385.8
+21			10.4	384.6
120			9.0	386.0
+50			6.1	388.9
119			4.4	390.6
+50			1.8	393.2
TP	1x89	407.83 ✓	0.06	394.94 ✓
118			1x.6	395.2
+50			11.3	396.5
117			10.6	397.2
+80			10.6	397.2
+50			9.3	398.5
116			7.4	400.4
+75			6.3	401.5
+50			6.8	401.0
+75			7.0	400.8

Sta	+	H.I. 407.83	−	Elev.	
115			6.6	401.2	
+50			4.6	403.2	
114			1.9	405.9	
T.P.	11.81	418.99	0.65	407.18	
+50			10.8	408.2	
+40			11.0	408.0	
+38			13.4	405.6	
+10			15.6	403.4	
113			15.2	403.7	
+50			13.2	405.8	
112			10.9	408.1	
+50			8.5	410.5	
111			6.2	412.8	
150			3.5	415.5	
+35			2.5	416.5	
+20			2.6	416.4	
110			1.7	417.3	
T.P.+70	12.88	431.32	0.55	418.44	on hub
+50			12.0	419.3	

Sta	+	H.I.	−	Elev	
109		431.32	9.5	421.8	
+50			8.0	423.3	
+25			6.5	424.9	
+15			6.5	424.8	
108			5.5	425.8	
+50			2.3	429.0	
+25			0.5	430.8	
T.P.	12.44	443.58	0.18	431.14	
107			11.9	431.7	
+50			10.1	433.5	?
106			8.3	435.3	
+50			6.3	437.3	
105			4.5	439.1	
+50			3.1	440.5	
104			3.20	440.4	on hub
+50			4.8	438.8	
103			6.5	437.1	
+50			9.2	434.3	
102			12.5	431.1	

Sta	+	HI 443.58	−	Elev.
T.P	0.37	431.21 ✓	12.44	431.14 ✓
+50			4.4	427.0
101			7.8	423.6
+50			10.8	420.8
100			13.0	418.4
T.P	0.99	419.39 ✓	13.01	418.40
+50			2.9	416.5
+33.8			3.39	416.00 on hub
99			4.6	414.8
+50			6.0	413.4
98			8.5	410.9
+50			10.3	409.1
97			12.2	407.2
T.P	0.60	407.00	12.99	406.40 ✓
+75			6.9	406.1
+50			3.3	403.7
96			4.6	402.4
+50			4.7	402.3
95			7.3	399.7

Sta	+	HI	−	Elev.
+50		407.00	10.8	396.2
+10			13.1	393.9
T.P	0.26	394.18 ✓	13.08	393.92 ✓
94			1.4	392.8
+85			2.8	392.2
+50			4.4	389.8
93			6.2	388.0
+50			7.9	386.3
+31			8.3	385.9
92			8.4	385.8
+80			8.5	385.7
+60			7.7	386.5
+50			7.7	386.5
91			8.8	385.4
+85			9.1	385.1
+70			8.5	385.7
+50			9.1	385.1
+40			9.1	385.1
90			10.3	383.9

Sta	+	H.I. 394.18	−	Elev
+75			9.5	384.7
T.P.	4.51	389.20	9.49	384.69
+50			5.1	384.1
40			4.5	384.7
30			5.0	384.2
+15			4.8	384.4
89			5.3	383.9
+70			6.8	382.4
+50			6.3	382.9
88			5.3	383.9
+70			4.1	385.1
+50			4.5	384.7
87			5.0	384.2
+80			5.2	384.0
+65			4.4	384.8
+50			5.2	384.0
86			6.4	382.8
+63			17.6	371.6
+40			16.6	372.6

Sta	+	H.I.	−	Elev	
+33		389.20	18.4	370.8	3" pipe
85			17.6	371.6	
+94			17.5	371.7	
+50			9.2	380.0	
+36			7.2	382.0	
84			4.7	384.5	
+50			3.7	385.5	
83			4.0	385.2	
+85			4.0	385.2	
+75			2.9	386.3	
T.P.	1.21	389.38	2.83	386.77	
+60			1.7.7	386.7	
+50			1.3.6	385.8	
82			1.2.9	386.5	
+60			10.5	388.9	
+15			8.2	391.2	
81			8.22	391.2	on hub
+86			8.7	390.7	
+50			9.9	389.5	

Sta	+	H.I. 399.38	−	Elev
+35			10.1	389.3
80			9.6	389.8
+50			8.0	391.4
79			5.3	394.1
+50			4.3	395.1
78			3.9	395.5
+50			3.7	395.7
77			3.7	395.7
+50			3.6	395.8
76			4.1	395.3
+50			6.1	393.0
T.P	9.95	403.05 ✓	6.28	393.10 ✓
75			10.9	392.2
+80			11.0	392.1
+50			10.4	392.7
74			10.0	393.1
+65			9.3	393.8
+61			10.7	392.4
+59			9.6	393.5

Sta	+	H.I.	−	Elev
+50			9.4	393.7
73			8.0	395.1
+50			6.3	396.8
72			5.1	398.0
+50			4.3	398.8
71			4.2	398.9
+50			4.3	398.8
70			4.1	399.0
+50			3.0	400.1
69			4.2	400.9
T.P	8.25	409.70 ✓	1.60	401.45 ✓
+50			8.2	401.5
68			8.1	401.6
+50			7.9	401.8
67			7.7	402.0
+50			7.2	402.5
66			6.0	403.7
+50			4.8	404.9
65			4.45	405.25 on hub

Sta	+	H.I. 409.70	−	Elev.
+50			4.9	404.8
64			5.5	404.2
+50			6.4	403.3
63			8.1	401.6
+82			8.6	401.1
+50			8.7	401.0
62			7.8	401.9
+50			7.4	402.3
T.P	5.60	407.99	7.60	402.39
61			6.5	402.5
+50			4.5	403.5
60			4.5	403.5
+50			5.7	402.3
59			7.6	400.4
+65			8.3	399.7
+50			7.6	400.4
+13			9.1	398.9
58			8.2	399.8
+50			6.8	401.2

Sta	+	H.I.	−	Elev.
57			5.0	403.0
+50			3.7	404.3
56			2.9	405.1
+50			2.6	405.4
55			2.2	405.8
+50			1.3	406.7
54			0.7	407.3
T.P	5.60	412.88	0.71	407.28
+50			6.3	406.6
53			7.0	405.9
+50			8.0	404.9
52			8.1	404.8
+50			8.1	404.8
51			7.8	405.1
+50			6.9	406.0
50			6.7	406.2
+50			6.0	406.9
49			5.3	407.6
+50			4.6	408.3

Sta	+	H.I. 412.88	−	Elev.
48			3.7	409.2
+50			2.8	410.1
47			2.5	410.4
+50			2.5	410.4
46			1.5	411.4
+50			0.7	412.2
T.P.	9.17	421.31	0.7	412.6
45			8.0	413.3
+50			6.8	414.5
44			5.4	415.9
+50			3.4	417.9
+15			1.9	419.4
43			2.00	419.3 sq hub
+50			3.2	418.1
42			6.0	415.3
+50			9.2	412.1
+20			8.6	412.7
41			9.2	412.1
+50			11.9	409.4

Sta	+	H.I.	−	Elev.
T.P.	1.37	409.80	12.88	408.93
40			2.0	407.8
+50			3.0	406.8
39			3.7	406.1
+50			5.1	404.7
+34			5.3	404.5
38			5.4	404.4
+50			4.6	405.2
37			5.2	404.6
+50			5.6	404.2
36			6.3	403.5
+50			6.5	403.3
+20			7.2	402.6
35			7.2	402.6
+50			7.1	402.7
34			6.1	403.7
+50			6.7	403.1
33			7.0	402.8
+50			7.4	402.4

Sta	+	H.I. 409.80	−	Elev
32			8.1	401.7
T.P	6.93	408.72	8.01	401.79
+60			7.8	400.9
+50			8.5	400.2
31			9.5	399.2
+81			9.8	398.9
+50			8.8	399.9
30			8.5	400.2
+50			8.3	400.4
29			7.8	400.9
+50			7.2	401.5
28			6.4	402.3
+50			6.0	402.7
27			5.5	403.2
+50			5.1	403.6
+35			4.2	404.5
26			4.9	404.8
+50			4.5	404.2
+20			5.3	403.4

Sta	+	H.I.	−	Elev	
25			5.2	403.3	
+55			6.0	402.7	
+50			5.1	403.6	
+30			4.1	404.6	
24			4.9	403.8	
+50			4.8	403.9	
23			3.90	404.82	on hub
+50			2.9	405.8	
22			2.7	406.0	
T.P	5.62	411.82	5.50	406.32	
+60			5.9	405.9	
21			6.6	405.2	
+60			7.2	404.6	
20			7.8	404.0	
+60			8.4	403.4	
+20			8.7	403.1	
19			7.8	404.0	
+70			8.7	403.1	
+50			7.5	404.3	

Sta	+	HI 411.84	−	Elev.
+20			7.0	404.8
18			8.1	403.7
+70			7.7	404.1
+50			6.4	405.4
+25			7.2	404.6
17			7.0	404.8
+50			6.6	405.2
16			5.5	406.3
+85			5.4	406.4
+75			4.4	407.4
+50			5.0	406.8
15			4.9	406.9
+80			3.9	407.9
+50			4.3	407.5
14			3.9	407.9
+50			3.7	408.1
13			4.6	407.2
+50			7.0	404.8
12			10.1	401.7

Sta	+	HI 408.27 ✓	−	Elev.
T.P	7.46		11.03	400.81
+75			10.8	397.5
+50			12.0	396.3
+36			12.9	395.4
+25			10.4	397.9
11			8.2	400.1
+50			7.9	400.4
+20			8.0	400.3
10			7.2	401.1
+60			6.9	401.4
+50			7.5	400.8
9			7.9	400.4
+50			7.4	400.9
+25			5.3	403.0
8			4.9	403.4
+90			6.0	402.3
+50			5.0	403.3
7			2.8	405.5
+50			2.6	405.7

Sta	+	H.I. 408.27	−	Elev.
6			1.3	407.0
T.P.	11.27	418.78 ✓	0.76	407.51 ✓
+50			10.1	408.7
5			8.7	410.1
+50			7.4	411.4
4			6.3	412.5
+50			4.3	414.5
3			3.1	415.7
+50			3.3	415.5
2			6.3	412.6
+50			8.1	410.7
1			8.4	410.4
+50			8.4	410.4
0			8.7	410.1

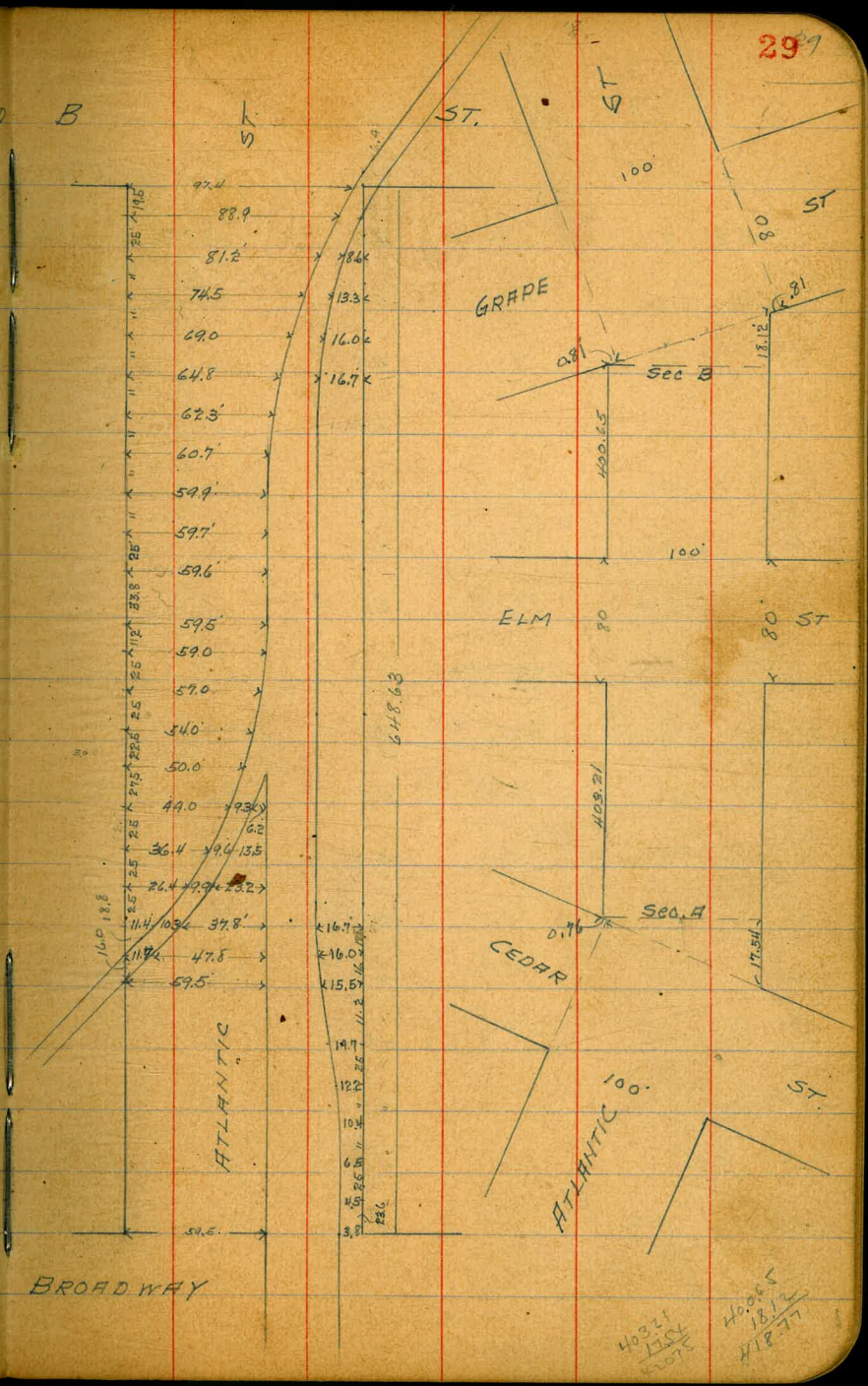
On Govt Bench #17 - 3.0' No of Sta 0+00 - 7.71 411.07

True Value of Govt B.M #17 417.393

6/23/16 Gregory Moore Miller

CROSS-SECTION OF ATLANTIC ST 100' ST 16' walks
from N.L. Broadway
to St. Hawthorn St.

on B.M.	1.49	11.99		10.50	BASE Assumed
T.P.	4.86	8.51	8.34	3.65	
		N.L. Broadway.			
E			4.9	3.6	
+ 3.8 = E 2'			4.7	3.8	
½ + 9.5 = W 2'			4.5	4.0	
C			4.4	4.1	
½			4.6	3.9	
cb			5.2	3.3	
W			4.5	4.0	
		23.6' No.			
W			5.0	3.5	
cb			5.3	3.2	
½			4.7	3.8	
C			4.4	4.1	
+ 9.5 = W 2'			4.9	3.6	
cb + 11.5 = E 2'			4.7	3.8	
E			4.6	3.9	= brick arch



29

8.5 Ht.

48.6 No.

E	4.5	4.0	= brick cornice
+6.5 = E Z'	4.6	3.9	
¼ +7.5 = N Z'	5.0	3.5	
+10	4.9	3.6	
C	4.2	4.3	
¼	4.9	3.6	
cb	4.9	3.6	
W	4.6	3.9	

73.6' No.

W	4.5	4.0	
cb	4.3	4.2	
¼	5.0	3.5	
+6	5.0	3.5	
+10	4.3	4.2	
C	4.9	3.6	
+9.5 = N Z'	5.0	3.5	
cb +5.6 = E Z'	4.8	3.7	
E	4.2	4.3	= top brick cb

8.5 Ht.

98.6' No.

E	4.2	4.3	= top brick cb
+12.2 = E Z'	4.7	3.8	
¼ +7.5 = N Z'	5.0	3.5	
C	4.9	3.6	
+3	3.4	5.1	
+10	5.5	3.0	
¼	4.6	3.9	
cb	4.5	4.0	
W	4.5	4.0	

134.8' No. = int. E Z' ox Siding with W.L.

W = E Z' ox Siding	4.7	3.8	
W	4.5	4.0	= Entrail at int P.L.
cb	4.5	4.0	
¼	4.5	4.0	
C	4.7	3.8	
+9.5 = N Z'	4.8	3.7	
cb + 0.5 = E Z'	4.8	3.7	
E	4.2	4.3	= top brick cb

8.5 H9

	150.8' No. = int. W R' of Siding with M.L.			
E		4.2	4.3	= top brick cb
cb = E R'		4.8	3.7	
1/4 + 7.5 = W R'		4.8	3.7	
C		4.5	4.0	
1/4		4.5	4.0	
cb		4.9	3.6	
+ 4.3 = E R' of Siding		4.9	3.6	
East rail of Siding		4.53	3.98	
West " "		4.8	3.7	
W		4.5	4.0	
	169.6' No.			
W		4.3	4.2	
+ 11.4 = W R' of Siding		4.9	3.6	
cb + 5.7 = E R' " "		4.6	3.9	
1/4		4.2	4.3	
C		4.8	3.7	
+ 9.5 = W R'		4.9	3.6	
West rail		4.4	4.1	
East "		4.5	4.0	

8.5 H9

E R'		4.7	3.8	
+ 0.7 = cb		4.7	3.8	
E		4.2	4.3	= top brick cb
	198.6' No.			
E		4.2	4.3	= top brick cb
cb		4.7	3.8	
+ 0.7 = E R'		4.7	3.8	
1/4 + 7.5 = W R'		5.1	3.4	
W R' + 4		5.3	3.2	
C		3.8	4.7	
+ 5		4.5	4.0	
+ 13.7 = E R' of Siding		4.8	3.7	
1/4 + 6.6 = W R' " "		5.1	3.4	
cb		3.6	4.9	
W		4.1	4.4	
	223.6' No.			
W		4.4	4.1	
cb		3.7	4.8	
1/4		4.5	4.0	
+ 3.4 = W R' of Siding		4.8	3.7	

85 Hg

1/4+13 = E z' of Siding	4.8	3.7
c	4.7	3.8
+9.5 = W z'	4.7	3.8
1/4+16.3 = E z'	4.7	3.8
cl	4.7	3.8
E	4.2	4.3 =top brick ab
248.6' No.		
E	4.2	4.3 =top brick ab
cl	4.6	3.9
+0.7 = E z'	4.6	3.9
1/4+7.5 = W z'	4.7	3.8
1/4+13.7 = E z' of Siding	4.8	3.7
c+6 = W z' " "	5.2	3.3
1/4	4.2	4.3
cl	4.3	4.2
W	4.4	4.1
276.1' No.		
W	4.4	4.1
cl	4.3	4.2
1/4	4.3	4.2

85 Hg

c = W z' of Siding	5.1	3.4
+9.5 = E z' " " W z' of Main	4.7	3.8
1/4+16.3 = E z'	4.7	3.8
cl	4.7	3.8
E	4.3	4.2 =top brick ab
248.6' No.		
E	4.3	4.2 =top brick ab
cl	4.7	3.8
+0.7	4.7	3.8
1/4+13 = W z'	4.8	3.7
c	5.1	3.4
1/4	4.4	4.1
cl	4.3	4.2
W	4.3	4.2
323.6' No		
W	4.3	4.2
cl	4.3	4.2
1/4	4.5	4.0
c	4.8	3.7
+7 = W z'	4.7	3.8

8.51

1/4+16.3 = E E'		4.8	3.7	
cb		4.8	3.7	
E		4.3	4.2	top bricked
	348.6' No			
E		4.3	4.2	top brick
cb		4.7	3.8	
+0.7 = E E'		4.7	3.8	
1/4+8.1 = W E'		4.5	4.0	
C		4.5	4.0	
1/4		4.0	4.5	
cb		4.1	4.4	
W		4.1	4.4	
	364.8' No			
W		4.0	4.5	
cb		4.1	4.4	
1/4		4.2	4.3	
C		4.5	4.0	
+9.5 = W E'		4.5	4.0	
West rail		4.3	4.2	
East r		4.5	4.0	

8.5 H9

ATLANTIC

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1/4+16.3 = E E'		4.7	3.8	
cb		4.7	3.8	
E		4.3	4.2	top brick
	398.6' No			
E		4.3	4.2	top brick
cb		4.7	3.8	
+0.7 = E E'		4.7	3.8	
1/4+7.4 = W E'		4.4	4.1	
C		4.4	4.1	
1/4		4.1	4.4	
cb		4.1	4.4	
W		4.0	4.5	
	H836			
W		4.5	4.0	
cb		5.3	3.2	
1/4		4.5	4.0	
C		4.6	3.9	
+9.7 = W E'		4.5	4.0	
1/4+16.3 = E E'		4.7	3.8	
cb		4.7	3.8	

E	4.3	4.2	top brick
448.6' No.			
E	4.3	4.2	top brick
cb	4.6	3.9	
+0.7 = E E'	4.6	3.9	
1/4 +7.1 = W E'	4.5	4.0	
c	4.5	4.0	
1/4	4.3	4.2	
cb	4.1	4.4	
W	4.1	4.4	
473.6' No			
W	4.1	4.4	
cb	4.2	4.3	
1/4	4.2	4.3	
c	4.6	3.9	
+3	4.8	3.7	
+6	4.0	4.5	
+10.7 = W E'	4.3	4.2	
1/4 +16.3 = E E'	4.6	3.9	
cb	4.6	3.9	
E	4.3	4.2	top brick

498.6' No			
E	4.3	4.2	top brick
cb	4.5	4.0	
+0.7 = E E'	4.5	4.0	
1/4 +4.7 = W E'	4.4	4.1	
W E' +5 brick	4.7	3.8	
c	4.8	3.7	
1/4	4.0	4.5	
cb	4.2	4.3	
W	4.1	4.4	
523.6			
W	4.2	4.3	
cb	4.1	4.4	
1/4	4.0	4.5	
+12	4.9	3.6	
c	4.5	4.0	
+5	4.1	4.4	
+8	4.5	4.0	
+14.8 = W E'	4.4	4.1	
1/4 +16.3 = E E'	4.5	4.0	

8.51

cb			4.5	4.0	
E			4.3	4.2	top brick
		548.6 No.			
E			4.3	4.2	top brick
cb = E 2'			4.3	4.2	
cb + 15 = W 2'			4.4	4.1	
W 2' + 7			4.4	4.1	
C			3.5	5.0	
T.P.	4.54	8.88'	4.17	4.34'	
+5			4.9	4.0	
+12			5.4	3.5	
1/4			4.7	4.2	
cb			4.5	4.4	
W			4.7	4.2	
		573.6' No.			
W			4.6	4.3	
cb			4.3	4.6	
1/4			4.5	4.4	
C			4.7	4.2	
+3			4.3	4.6	

8.9 48

+7	3.0	5.9	
1/4	5.1	3.8	
+7.5 = W 2'	4.7	4.2	
cb + 2.7 = E 2'	4.7	4.2	
E	4.6	4.3	
	598.6' No.		
E.	4.6	4.3	
+8.6 = E 2'	4.6	4.3	
top rail	4.2	4.7	
cb + 2.8 = W 2'	4.7	4.2	
+10	4.7	4.2	
1/4	4.1	4.8	
+5	2.8	6.1	
C	4.0	4.9	
1/4	4.7	4.2	
cb	4.5	4.4	
W	4.5	4.4	
	629.1' No.		
W	4.7	4.2	
cb	4.5	4.4	

8.88

1/4	4.4	4.5
C	4.0	4.9
1/4	3.8	5.1
+11	4.7	4.2
cb	4.3	4.6
+4.9 = W 2'	4.3	4.6
E = E 2'	4.6	4.3

6.4 8.6 = SL. BST 80' INSIDE

E is bet. rails (do not use for yardage)	4.2	4.7
top rail	3.8	5.1
E + 2.6 = W 2'	4.2	4.7
W 2' + 10	4.9	4.0
cb	4.0	4.9
1/4	3.8	5.1
C	4.1	4.8
1/4	4.2	4.7
cb	4.4	4.5
W	4.3	4.6

SL. + 6.4'

W	4.2	4.7
cb	4.5	4.4
1/4	4.1	4.8
+9	4.5	4.4
C	3.9	5.0
+9	2.7	6.2
1/4	2.7	6.2
+10	2.8	6.1
cb	3.5	5.4
+7	4.8	4.1
E = W 2'	4.3	4.6

So. Cb

E	4.5	4.4
cb	3.2	5.7
1/4	2.7	6.2
+9	1.9	7.0
C	4.4	4.5
1/4	4.3	4.6
cb	4.6	4.3
W	4.3	4.6

8.88

So. 1/4

W	4.0	4.9
+8	4.7	4.2
cb	4.5	4.4
1/4	4.2	4.7
C	2.4	6.5
1/4	2.5	6.4
+10	4.0	4.9
cb	3.0	5.9
E	3.7	5.2

Center

E	3.7	5.2
cb	4.0	4.9
+7	4.0	4.9
1/4	2.8	6.1
C	2.3	6.6
1/4	3.0	5.9
cb	3.8	5.1
+6	5.0	3.9
W	4.8	4.1

No. 1/4

W.	4.8	4.1
+4	5.6	3.3
cb	4.4	4.5
+12	3.3	5.6
1/4	2.6	6.3
C	3.1	5.8
+7	4.6	4.3
1/4	4.7	4.2
cb	4.4	4.5
E	4.1	4.8

No. Cb.

E	4.5	4.4
cb	4.4	4.5
1/4	4.6	4.3
C	4.5	4.4
+5	3.7	5.2
1/4	3.2	5.7
cb	3.4	5.5
+2	3.6 5.1	5.3 3.8
W	5.0	3.9

8.88

No. Line B St.

W	3.7	5.2
+8	4.0	4.9
+10	5.0	3.9
cb	5.4	3.5
+3	4.0	4.9
1/4	3.8	5.1
+9	3.1	5.8
C	4.6	4.3
1/4	4.4	4.5
cb	4.6	4.3
E	4.5	4.4

25' No.

E	3.9	5.0
cb	3.9	5.0
1/4	3.9	5.0
C	4.7	4.2
+10	3.2	5.7
1/4	3.2	5.7
+3	4.6	4.3

8.9

+9	4.4	4.5
+11	3.1	5.8
cb	3.3	5.6
W	3.6	5.3

50' No.

W	3.8	5.1
cb	4.1	4.8
1/4	4.5	4.4
C	4.8	4.1
1/4	4.4	4.5
cb	3.7	5.2
E	3.6	5.3

75' No.

E	3.6	5.3
cb	4.1	4.8
1/4	4.5	4.4
C	4.8	4.1
1/4	4.4	4.5
cb	4.5	4.4
W	4.4	4.5

100' No.

W	4.4	4.5
cb	4.5	4.4
1/4	4.5	4.4
C	4.7	4.2
1/4	4.7	4.2
cb	4.2	4.7
E	3.6	5.3

125' No.

E	3.8	5.1
+5	3.8	5.1
+11	4.8	4.1
cb	5.0	3.9
+5	4.8	4.1
+12	3.6	5.3
1/4	4.9	4.0
C	4.9	4.0
1/4	4.8	4.1
cb	4.8	4.1
W	4.6	4.3

150' No.

W	4.7	4.2
cb	5.0	3.9
1/4	4.8	4.1

C	5.0	3.9
1/4	4.9	4.0
+4	4.0	4.9
+10	5.2	3.7
cb	4.6	4.3
+13	4.4	4.5
E	4.0	4.9

175' No.

E	3.9	5.0
+3	5.2	3.7
cb	5.4	3.5
+16	5.2	3.7
1/4	4.5	4.4
+4	5.1	3.8
C	5.0	3.9
1/4	4.5	4.4
cb	4.6	4.3
W	4.5	4.4

8.88

200' No.

W	4.5	4.4
cb	4.6	4.3
1/4	4.7	4.2
C	4.8	4.1
1/4	5.4	3.5
cb	6.0	2.9
E	5.1	3.8

225' No.

E	4.9	4.0
cb	5.0	3.9
1/4	4.8	4.1
C	4.8	4.1
1/4	4.7	4.2
cb	4.6	4.3
W	4.4	4.5

250' No.

W	4.4	4.5
cb	4.5	4.4
1/4	4.6	4.3

8.9

ATLANTIC ST. 40

C	4.8	4.1
1/4	4.8	4.1
cb	4.7	4.2
E	4.8	4.1

275' No.

E	4.3	4.6
cb	4.7	4.2
1/4	4.3	4.6
C	4.8	4.1
1/4	4.6	4.3
cb	4.5	4.4
W	4.3	4.6

300' No. = S.L. A ST 80' WIDE

W	4.4	4.5
cb	4.5	4.4
1/4	4.7	4.2
C	4.8	4.1
1/4	4.6	4.3
cb	4.2	4.7
E	4.5	4.4

8,88

So. Curb

E	4.4	4.5
cl	4.1	4.8
1/4	4.7	4.2
c	4.8	4.1
1/4	4.6	4.3
cl	4.6	4.3
W	4.3	4.6

So. 1/4

W	4.3	4.6
cl	4.5	4.4
1/4	4.6	4.3
c	4.7	4.2
1/4	4.7	4.2
cl	3.7	5.2
E	4.1	4.8

center

E	3.8	5.1
cl	3.8	5.1
1/4	4.5	4.4

8.9

ATLANTIC

c	4.8	4.1
1/4	4.6	4.3
cl	4.6	4.3
W	4.5	4.4

No. 1/4

W	4.3	4.6
cl	4.2	4.7
1/4	4.5	4.4
c	4.4	4.5
1/4	4.2	4.7
cl	3.7	5.2
E	3.5	6.4

No. Curb

E	4.6	4.3
cl	4.4	4.5
1/4	4.7	4.2
c	4.4	4.5
1/4	4.6	4.3
cl	4.5	4.4
W	4.6	4.3

8.88

No. Line A St

W	4.2	4.7	
cb	4.2	4.7	
1/4	4.4	4.5	
C	4.4	4.5	
1/4	4.6	4.3	
cb	4.3	4.6	
E	5.2	3.7	house 1.5 in st.
25' No.			
E	5.3	3.6	house 5 in st
cb	4.2	4.7	
1/4	4.4	4.5	
C	4.5	4.4	
1/4	4.4	4.5	
cb	4.3	4.6	
W	4.2	4.7	
50' No.			
W	4.1	4.8	
cb	4.4	4.5	
1/4	4.4	4.5	

8.9

C	4.4	4.5	
1/4	4.5	4.4	
cb	4.5	4.4	
E	5.0	3.5	
75' No.			
E	4.5	4.4	
cb	4.6	4.3	
1/4	4.6	4.3	
C	4.4	4.5	
1/4	4.3	4.6	
cb	4.2	4.7	
W	4.2	4.7	
100' No.			
W	4.0	4.9	
cb	4.1	4.8	
1/4	4.1	4.8	
C	4.4	4.5	
1/4	4.3	4.6	
cb	4.3	4.6	
E	5.0	3.9	

125' No.

E			5.2	3.7
cb			4.8	4.1
1/4			4.4	4.5
C			4.3	4.6
1/4			4.2	4.7
cb			4.1	4.8
W			4.0	4.9

150' No.

W			3.8	5.1
cb			4.0	4.9
1/4			4.2	4.7
C			4.2	4.7
1/4			4.4	4.5
cb			4.6	4.3
E			5.7	3.2
T.P.	4.57	8.92	4.53	4.35

175' No.

E			5.7	3.2
cb			4.6	4.3

1/4			4.2	4.7
C			4.1	4.8
1/4			4.3	4.6
cb			4.1	4.8
W			3.9	5.0

200' No.

W			3.9	5.0
cb			4.2	4.7
1/4			4.2	4.7
C			4.0	4.9
1/4			4.2	4.7
cb			4.9	4.0
E			5.2	3.7

225' No.

E			5.0	3.9
cb			4.9	4.0
1/4			4.6	4.3
C			4.0	4.9
1/4			4.0	4.9
cb			3.9	5.0

	8.9		
1/4	3.9	5.0	
c	3.8	5.1	
1/4	4.3	4.6	
cb	5.1	3.8	
E	5.1	3.8	
So. Curb			
E	5.1	3.8	
cb	51	3.8	
1/4	4.8	4.1	
c	4.1	4.8	
1/4	3.9	5.0	
cb	4.1	4.8	
W	4.2	4.7	
So. 1/4			
W	4.1	4.8	
cb	4.2	4.7	
1/4	4.1	4.8	
c	4.1	4.8	
1/4	4.9	4.2	
cb	4.6	4.4	

	8.9		
W	3.9	5.0	
250' No.			
W	4.0	4.9	
cb	3.8	5.1	
1/4	4.1	4.8	
c	4.1	4.8	
1/4	4.4	4.5	
cb	4.9	4.0	
E	4.2	4.7	
275' No.			
E	4.6	4.3	
cb	50	3.9	
1/4	4.8	4.1	
c	4.1	4.8	
1/4	4.1	4.8	
cb	4.0	4.9	
W	4.0	4.9	
300' No. = So. Line Ash St 80' wide			
W	4.0	4.9	
cb	4.2	4.7	

E	3.9	5.0	
center			
E	4.1	4.8	
cl	4.7	4.2	
1/4	4.5	4.4	
c	4.2	4.7	
1/4	4.2	4.7	
cl	4.1	4.8	
W	4.1	4.8	
No. 1/4			
W	4.1	4.8	
cl	4.1	4.8	
1/4	4.3	4.6	
c	4.1	4.8	
1/4	4.7	4.2	
cl	4.7	4.2	
E	4.2	4.7	
No. Curb			
E	4.7	4.2	
ob	4.8	4.1	

1/4	4.7	4.2
c	4.1	4.8
1/4	4.1	4.8
cl	4.2	4.7
W	4.1	4.8
No. Line Ash St.		
W	4.1	4.8
cl	4.1	4.8
1/2	4.2	4.7
c	4.1	4.8
1/4	4.6	4.3
cl	4.9	4.0
E	5.0	3.9
50' No.		
E	5.0	3.9
ob	4.9	4.0
1/4	4.7	4.2
c	4.1	4.8
1/5	4.3	4.6
cl	4.2	4.7

8.92

W		41	4.8
	100' No		
W		41	4.8
cl		43	4.6
1/4		43	4.6
C		42	4.7
1/4		46	4.3
cl		49	4.0
E		51	3.8
	150' No.		
E		49	4.0
cl		49	4.0
1/4		49	4.0
C		41	4.8
1/4		43	4.6
cl		42	4.7
W		41	4.8
	200' No.		
W		41	4.8
cl		41	4.8

8.92 ATLANTIC 46

1/4		41	4.8
C		38	5.1
1/4		45	44
cl		46	4.3
E		49	4.0
	250' No		
E		51	3.8
cl		47	4.2
1/4		45	44
C		42	4.7
1/4		41	4.8
cl		41	4.8
W		38	5.1
	300' No. = S.L. Beech St 80' wide		
W		41	4.8
cl		42	4.7
1/4		44	4.5
C		40	4.9
1/4		45	44
cl		42	44

89 E

E		4.7	4.2
	So. Corb		
E		4.6	4.3
cb		4.7	4.2
1/4		4.5	4.4
C		4.5	4.4
1/4		4.5	4.4
cb		4.2	4.7
W		4.1	4.8
	So. 1/4		
W		3.8	5.1
cb		4.4	4.5
1/4		4.4	4.5
C		4.1	4.8
1/4		4.6	4.3
cb		4.7	4.2
E		4.4	4.5
	center		
E		4.5	4.4
cb		4.6	4.3

89 E

1/4		4.4	4.5
C		4.0	4.9
1/4		4.3	4.6
cb		4.2	4.7
W		2.8	6.1
	No. 1/4		
W		2.4	6.5
cb		3.8	5.1
1/4		4.3	4.6
C		4.5	4.4
1/4		4.6	4.3
cb		4.5	4.4
E		4.3	4.6
	No. Corb		
E		4.2	4.7
cb		4.4	4.5
1/4		4.6	4.3
C		4.5	4.4
1/4		4.5	4.4
cb		3.4	5.5

8.92

W			2.9	6.0
	N. L. Beech St			
W			3.7	5.2
cb			3.4	5.5
1/4			4.3	4.6
C			4.5	4.4
1/4			4.4	4.5
cb			4.3	4.6
E			4.4	4.5
		50' No.		
E			3.6	5.3
cb			4.0	4.9
1/4			4.6	4.3
C			4.5	4.4
1/4			4.3	4.6
cb			4.1	4.8
W			3.4	5.5
		100' No.		
W			3.8	5.1
cb			3.9	5.0

8.9

ATLANTIC

1/4			4.1	4.8
C			4.5	4.4
1/4			4.5	4.4
cb			4.1	4.8
E			3.2	5.7
		150' No.		
E			2.9	6.0
cb			4.0	4.9
1/4			4.4	4.5
C			4.6	4.3
1/4			4.2	4.7
cb			4.1	4.8
W			4.0	4.9
T.P.	3.25	8.23	3.94	4.98
		175' No.		
W			3.4	4.8
cb			3.4	4.8
1/4			3.6	4.6
C			3.9	4.3
1/4	5	8	3.9	4.3

8.23

cb	2.9	5.3
E	1.5	6.7
190' No		
E	1.8	6.4
cb	1.5	6.7
1/4	2.5	5.7
+5	3.5	4.7
C	3.7	4.5
1/4	3.7	4.5
cb	3.5	4.7
W	3.4	4.8
210' No		
W	3.5	4.7
cb	3.5	4.7
1/4	3.7	4.5
C	3.9	4.3
1/4	3.8	4.4
+10	2.6	5.6
cb	2.7	5.5
E	2.4	5.8

8.2 ATLANTIC

250' No		
E	2.1	6.1
cb	3.7	4.5
1/4	4.1	4.1
C	4.0	4.2
1/4	3.9	4.3
cb	3.7	4.5
W	3.6	4.6
300' No. = S.L. Cedar St.		
W	3.6	4.6
cb	3.8	4.4
1/4	4.1	4.1
C	3.9	4.3
1/4	3.9	4.3
cb	4.6	4.2
E	3.1	5.1
So. Curb.		
E	3.8	4.4
cb	4.1	4.1
1/4	4.2	4.0

C	3.9	4.3
1/4	4.1	4.1
cb	3.8	4.4
W	3.6	4.6

So 1/4

W	3.6	4.6
cb	3.8	4.4
1/4	4.2	4.0
C	4.1	4.1
1/4	4.2	4.0
cb	4.0	4.2
E	3.7	4.5

Center

E	3.6	4.6
cb	4.0	4.2
1/4	4.4	3.8
C	4.1	4.1
1/4	4.1	4.1
cb	3.9	4.3
W	3.8	4.4

No. 1/4

W	3.6	4.4
cb	4.0	4.2
1/4	4.1	4.1
C	4.1	4.1
1/4	4.4	3.8
cb	4.0	4.2
E	3.7	4.5

No. Curb

E	3.6	4.6
cb	4.0	4.2
1/4	4.5	3.7
C	4.0	4.2
1/4	4.2	4.0
cb	3.8	4.4
W	3.9	4.3

No. Line Cedar St

W	3.9	4.3
cb	4.1	4.1
1/4	4.1	4.1

8.23

C	4.1	4.1
1/4	4.3	3.9
cb	3.8	4.4
E	4.2	4.0

Section A

E	3.5	4.7
cb	4.1	4.1
1/4	4.1	4.1
C	4.5	3.7
1/4	4.2	4.0
cb	4.1	4.1
W	3.9	4.3

50' No.

W	4.0	4.2
cb	4.2	4.0
1/4	4.3	3.9
C	4.3	3.9
1/4	4.5	3.7
cb	4.5	3.7
E	3.0	5.2

8.2

100' No.

E	3.9	4.3
cb	4.9	3.3
1/4	4.7	3.5
C	4.5	3.7
1/4	4.3	3.9
cb	4.0	4.2
W	3.9	4.3

150' No.

W	4.5	3.7
cb	4.1	4.1
1/4	3.7	4.5
C	4.4	3.8
1/4	4.8	3.4
cb	5.0	3.2
E	3.8	4.4

200' No.

E	4.5	3.7
cb	5.2	3.0
1/4	4.8	3.4

		8.23				
C			40	4.2		
1/4			41	4.1		
cb			48	3.4		
W			44	3.8		
		250' No.				
W			43	3.9		
cb			48	3.4		
1/4			49	3.3		
C			51	3.1		
1/4			51	3.1		
cb			50	3.2		
E			59	2.9		
		300' No.				
E			53	2.9		
cb			55	2.7		
1/4			52	3.0		
C			51	3.1		
1/4			47	3.5		
cb			42	4.0		
W			42	4.0		

		8.2				
		350' No.				
W			3.7	4.5		
cb			3.9	4.3		
1/4			4.6	3.6		
C			5.5	2.7		
1/4			5.6	2.6		
cb			5.6	2.6		
E			5.4	2.8		
T.P.	3.00	9.33	1.90	6.33		
		370' No.				
E			5.2	4.1		
cb			5.4	3.9		
1/4			6.2	3.1		
C			6.9	2.4		
1/4			6.4	2.9		
cb			4.9	4.4		
W			5.2	4.1		
		403.21' No. = 5.4 Elm St. 80' wide				
W			7.2	2.1		
cb			7.3	2.0		

9.33

1/4	6.2	3.1
c	5.3	4.0
1/c	5.5	3.8
cb	5.3	4.0
E	5.4	3.9
So. Curb		
E	5.2	4.1
cb	5.3	4.0
+10	6.1	3.2
1/4	4.3	5.0
c	4.5	4.8
1/4	4.6	4.7
+9	4.6	4.7
cb	6.9	2.4
W	7.4	1.9
So. 1/4		
W	7.6	1.7
cb	4.7	4.6
1/4	4.2	5.1
c	3.9	5.4

9.3 ATLANTIC

1/c	3.8	5.5
cb	6.4	2.9
E	5.9	3.4
Center		
E	5.9	3.4
cb	6.0	3.3
1/4	4.7	4.6
c	3.8	5.5
1/c	4.9	4.4
cb	4.8	4.5
W	5.2	4.1
No. 1/4		
W	4.9	4.4
cb	4.7	4.6
1/4	4.7	4.6
c	4.2	5.1
1/4	4.5	4.8
cb	5.4	3.9
E	5.4	3.9

9.33

No. Curb

E	4.9	4.4
ob	5.3	4.0
1/4	4.8	4.5
c	4.5	4.8
1/4	4.6	4.7
cb	4.9	4.4
W	4.9	4.4

No. Line Elm St.

W	4.9	4.4
cb	5.1	4.2
1/4	5.1	4.2
c	4.7	4.6
1/4	5.4	3.9
cb	5.2	4.1
E	6.5	2.8

50' No.

E	5.4	3.9
cb	5.8	3.5
1/4	4.7	4.6

9.3

ATLANTIC

c	4.7	4.6
1/4	4.7	4.6
cb	4.7	4.6
W	4.6	4.7

100' No.

W	5.2	4.1
cb	5.1	4.2
1/4	5.2	4.1
c	5.0	4.3
1/4	5.0	4.3
cb	5.2	4.1
E	5.5	3.8

150' No.

E	5.2	4.1
cb	4.9	4.4
1/4	4.8	4.5
c	4.8	4.5
1/4	4.9	4.4
cb	4.9	4.4
W	4.8	4.5

		9.3			
		200' No.			
W			5.2	4.1	
cb			5.0	4.3	
1/4			5.0	4.3	
C			5.1	4.2	
1/4			5.0	4.3	
cb			5.5	3.8	
E			5.6	3.7	
		250' No.			
E			5.4	3.9	
cb			5.1	4.2	
1/4			5.0	4.3	
C			4.9	4.4	
1/4			4.7	4.6	
cb			4.8	4.5	
W			4.6	4.7	
		300' No.			
W			5.1	4.2	
cb			5.2	4.1	
1/4			5.4	3.9	
C			5.5	3.8	
1/4			5.3	4.0	
cb			5.3	4.0	
E			5.2	4.1	
		350' No.			
E			5.6	3.7	
cb			5.7	3.6	
1/4			5.5	3.8	
C			5.2	4.1	
1/4			5.5	3.8	
cb			5.5	3.8	
W			5.4	4.2	
		400.65 No. = SEC. B.			see page 29
W			5.2	4.1	
cb			4.8	4.5	
1/4			5.3	4.0	
C			5.4	3.9	
1/4			5.1	4.2	
cb			4.8	4.5	
E			4.9	4.4	
TP.	1.56	8.86 ✓	2.03	7.30 ✓	

8.86

0.0 No. of Bor. West
18.1 " " " East } = S. L. GRADE 80' wide

E	4.3	4.6
cb	4.3	4.6
1/4	4.5	4.4
C	5.2	3.7
1/4	4.8	4.1
cb	4.4	4.5
W	4.7	4.2

So. Curb

W	4.3	4.6
cb	4.5	4.4
1/4	4.2	4.7
C	4.9	4.0
1/4	4.4	4.5
cb	4.9	4.0
E	4.4	4.5

So. 1/4

E	4.2	4.7
cb	4.5	4.4
1/4	4.3	4.6

89 ATLANTIC

C	4.3	4.6
1/4	4.0	4.9
cb	4.2	4.7
W	4.4	4.5

Center

W	4.2	4.7
cb	4.2	4.7
1/4	4.0	4.9
C	4.2	4.7
1/4	4.4	4.5
cb	4.3	4.6
E	4.4	4.5

No. 1/4

E	4.5	4.4
cb	4.8	4.1
1/4	4.5	4.4
C	4.2	4.7
1/4	4.2	4.7
cb	3.8	5.1
W	3.8	5.1

8.86

No. Curb

W	3.6	5.3
cb	3.7	5.2
1/4	4.4	4.5
C	4.7	4.2
1/4	4.9	4.0
cb	4.6	4.3
E	4.2	4.7

No. Line Grape St.

E	4.1	4.8
cb	4.4	4.5
1/4	5.1	3.8
ct.	4.9	4.0
1/4	4.4	4.5
cb	4.2	4.7
W.	3.7	5.2

50' No.

W	3.7	5.2
cb	4.4	4.5
1/4	4.6	4.3

8.9

ATLANTIC

C	5.1	3.8
1/4	5.3	3.6
cb	5.4	3.5
E	4.7	4.2

100' No

E	6.0	2.9
cb	5.1	3.8
1/4	4.7	4.2
C	4.4	4.5
1/4	4.5	4.4
cb	4.4	4.5
W	4.3	4.6

125' No

W	4.1	4.8
cb	4.1	4.8
1/4	4.0	4.9
C	4.2	4.7
1/4	4.8	4.1
cb	5.1	3.8
E	5.2	3.7

8.86

150' No

E	5.0	3.9
ob	4.9	4.0
1/4	4.3	4.6
C	3.8	5.1
1/4	2.6	6.3
ob	3.8	5.1
W	3.9	5.0

170' No

W	3.5	5.4
ob	2.7	6.2
1/4	3.7	5.2
C	4.2	4.7
1/4	4.7	4.2
ob	4.8	4.1
E	5.0	3.9

190' No

E	5.2	3.7
ob	3.5	5.4
1/4	3.9	5.0

8.9

C	3.2	5.7
1/4	2.4	6.5
ob	3.4	5.5
W	2.8	6.1

205' No

W	4.1	4.8
ob	3.9	5.0
1/4	4.0	4.9
C	4.6	4.3
1/4	4.7	4.2
ob	5.1	3.8
E	5.4	3.5

250' No

E	4.7	4.2
ob	4.5	4.4
1/4	4.4	4.5
C	4.6	4.3
1/4	4.6	4.3
ob	4.6	4.3
W	4.7	4.2

		8.86	sta. 262.5 = 50 Silo Shed? is 23.5 inst.		
			" 293.0 = No. " " " 22.8 " "		
		275' No			
W			4.6	4.3	
cb			4.4	4.5	
1/4			4.4	4.5	
c			4.0	4.5	
1/4			4.2	4.7	
cb			4.4	4.5	
E			4.5	4.4	
		300' No. = S.L. Hawthorn St.			
E			4.4	4.5	
cb			4.2	4.7	
B.M.			0.15	8.71	Hyd? SE Hawthorn
1/4			3.3	5.6	
c			3.4	5.5	
1/4			3.7	5.2	
cb			4.0	4.9	
W			4.0	4.9	
T.P.	10.41	17.71	1.56	7.30	
T.P.	12.19	29.25	0.65	17.06	
T.P.	11.24	40.41	0.08	29.17	

ATLANTIC

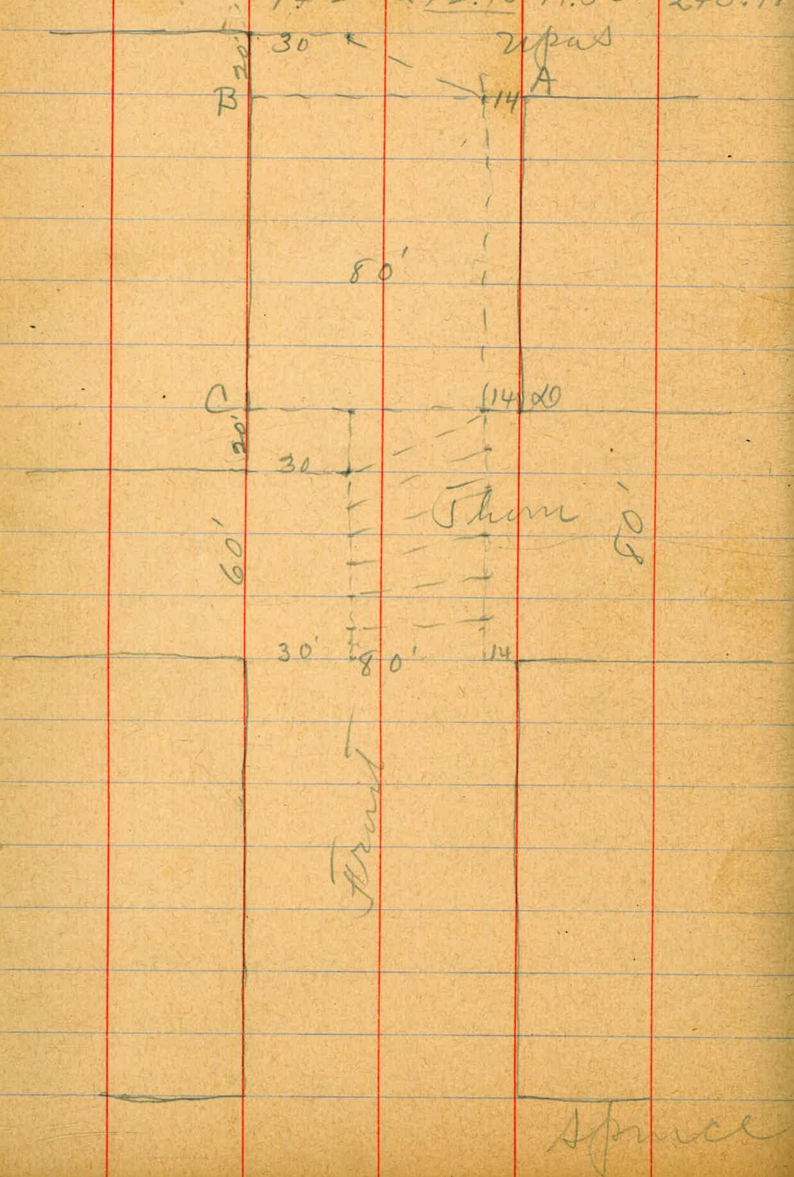
T.P.	6.56	46.75	0.22	40.19	
on B.M.			2.77	43.98 = (44.02 OK)	B.P. SW Grape + India

X section Front street from Upas to Spruce

Sept. 13/16 Childs, Evans, Shaw

		H.I.			
	1.60	252.50		250.90	BM n.w. 1st & Walnut
T.P.	1.42	242.40	11.52	240.98	

0.83



80' foot Street

30' sidewalk on west

14' " on East

9 ft. quarters

note – East sidewalk in the entire length.

H.I.
242 HO

So. line Expas.

top wall W. line	1.3	241.1
	2.2	240.2
	1.4	241.0
	1.7	240.7
C	1.4	241.0
	2.0	240.4
gutter	2.1	239.8
E curb	1.42	241.0

Sect AB

E. cb.	1.42	241.2
gutter	2.1	240.3
	2.0	240.4
C	1.7	240.7
	1.4	241.0
	1.6	240.8
W line	2.4	240.0
Top wall	1.3	241.1

25' SO. Sect AB

Top wall	1.3	241.1
W line	2.3	240.1
	2.2	240.2
	1.9	240.5
C	2.0	240.4
	2.3	240.1
gutter	2.6	239.8
E cb	1.54	240.6

60' SO.

E cb	2.32	240.1
gutter	3.1	239.3
	2.7	239.7
C	2.2	240.2
	1.9	240.5
	3.0	239.4
W line	3.3	239.1
top wall	3.3	239.1

242.4

51'20.

W.cb	3.0	239.4	
	1.9	240.5	
C	2.2	240.2	
	2.7	239.7	
gutter	3.1	239.3	
E cb	2.34	240.1	
68' RO			
E cb	2.76	239.7	
gutter	3.3	239.1	
	3.1	239.3	
C	2.5	239.9	
	2.1	240.3	
~~#~~3'	2.6	239.8	
W cb	6.5	235.9	

75' RO.

W cb	7.5	234.9	
47'	2.5	239.9	
	2.3	240.1	
C	2.7	239.7	
	3.3	239.1	
gutter	3.6	238.8	
E cb.	2.8	239.6	
100' RO.			
E cb	3.18	239.2	
gutter	4.0	238.4	
	3.5	238.9	
C	3.1	239.3	
	3.1	239.3	
W.cb.	10.6	231.8	

		242.4		
		125' Rd		
W.Cb.			10.9	231.5
			3.9	
C			3.5	
			3.9	
gutter			4.0	
E.Cb.			3.40	
		150' Rd.		
E Cb.		dish in curb.	4.3	
gutter			4.3	
			3.9	
C			3.7	
			3.8	
W.Cb.			11.2	231.2

		175' Rd.		
W.Cb.			9.7	232.7
			3.8	
C			3.8	
			4.2	
gutter			4.6	
E.Cb.			3.84	
		183' Rd.		
E.Cb			3.95	
gutter			4.8	
			4.4	
C			4.1	
			3.9	
+4'			3.8	
W.Cb.			6.0	236.4

	242.4	31	
	200' RO.		
11' w. of curb.		4.2	
W.Cb.		4.1	238.3
		4.3	
C.		4.4	
		4.6	
Gutter		4.7	
E.Cb.		4.13	
	225' RO.		
E.Cb.		4.47	
Gutter		5.2	
		5.1	
C		5.0	
		5.1	
W.Cb.		4.7	237.7
+21'		5.0	

	250' RO.		
17' w. of curb.		4.2	
W.Cb.		5.3	237.1
		5.1	
C		5.3	
		5.4	
Gutter		5.5	
E.Cb.		4.80	
	275' RO.		
E.Cb.		5.17	
Gutter		5.8	
		5.8	
C.		5.6	
		5.5	
W.Cb.		5.1	237.3
+18'		4.4	

2.42,40

300' so (sect C 40)

W line	9.7	2327
+6'	5.9	
cb	5.4	237.0
	6.0	
C	6.0	
	6.1	
gutter	6.2	
E cb.	5.46	236.94

North line Thom

E cb.	5.46	
gutter	6.2	
	6.1	
C	6.1	
	6.5	
W cb.	6.2	236.2
+5'	5.8	

H.I.

3.59 240.53

no. cb.

W cb	8.0	232.5
	4.8	
C	4.5	
	4.5	
	42	
E line	3.7	
no 1/4	—	
E line	3.6	
	4.1	
	4.6	
C	4.6	
	5.4	
W cb	9.2	231.3

			Center			
W.cb.				10.9	229.6	
				5.7		
C				4.9		
				4.7		
				4.3		
E line				3.5		
			So 1/4			
E line				3.9		
				4.5		
				4.8		
C				5.2		
				6.1		
W cb.				11.6	228.9	

				11.6		
			So. cb.			
W.cb				11.2	229.3	
				4.6		
C				4.5		
				4.9		
				4.7		
E line				4.4		
			So. line Thom			
E cb				4.60		
gutter				5.2		
				4.7		
C				4.4		
+7'				4.5		
1/4				5.5		
W cb				15.3	225.2	

25' Ao.

W.cb.	14.3	226.2
	7.5	
+4	4.8	
C	4.6	
1/4	5.2	
gutter	5.6	
E.cb.	4.95	

50' Ao.

E cb	~~4.99~~	
gutter	5.6	
	5.4	
C	5.2	
	4.9	
W.cb.	17.6	229

75' Ao.

W line +5	9.2	231.3
	8.6	
	7.4	233.1
	5.6	
C	5.6	
	5.7	
gutter	5.8	
E cb.	5.12	

83' Ao.

E cb.	5.18	
gutter	5.9	
	5.8	
C	5.7	
	5.8	
	6.0	234.5
W line	7.2	233.3

100' RO.

W line +14 +15	6.3	234.2
	6.6	
	6.8	
	6.3	234.2
	6.0	
C	5.8	
	5.9	
gutter	6.0	
E Cb.	5.29	

125' RO.

E Cb.	5.48	
gutter	6.4	
	6.1	
C	6.0	
	6.1	
	6.4	234.1
+15 ~~+16~~	7.6	
	6.9	
W line	6.5	234.0

150' RO.

W line	7.0	233.5
+14	7.3	
+15	7.9	
	6.9	233.6
A	6.3	
C	6.1	
	6.3	
gutter	6.5	
E Cb.	5.60	

175' RO.

E Cb.	5.80	
gutter	6.6	
	6.4	
C	6.3	
	6.4	
	7.1	233.4
+15 +16	8.1	
	7.5	
W line	7.2	233.3

200' so.

W line	7.5	233.0
+14	7.7	
+15	8.3	
	7.3	233.2
	6.8	
C	6.5	
	6.6	
gutter	6.9	
E cb.	5.93	

225' so.

E cb.	6.13	
gutter	7.0	
	6.8	
C	6.7	
	7.0	
+15	7.5	233.0
+16	8.4	
	7.9	
W line	7.7	232.8

250' so.

W line	7.9	232.6
+14	8.2	
+15	8.5	
	7.7	232.8
	7.1	
C	6.9	
	7.0	
gutter	7.1	
E cb.	6.28	

275' so.

E cb	6.42	
gutter	7.2	
	7.1	
C	7.2	
	7.4	
+15	7.9	232.6
+16	8.6	
	8.3	
W line	8.11	232.4

240.53

300'so. (no.line spruce)

Wline			8.4	232.1
+14			8.6	
+15			9.2	
			8.1	232.4
			7.7	
C			7.3	
			7.1	
gutter			6.9	
E.cb.			6.64	
TP	0.48	H.I. 228.01	13.00	227.53
	~~0.35~~			

228.01 H.I.

50' north Thaw

Wline	8.0	230.0
30.w slope.	11.0	

Sect C 40

50' west of prop. slope.	13.4	

no.line Thaw

W.line	1.8	227.0
50' west. slope.	15.8	

no.cb.

Wline	6.4	221.6
50' west slope.	18.4	

no 1/4

W.line	9.3	218.7
50' west slope.	21.6	

center

Wline	14.1	213.9
50' west slope.	24.0	
T.P.	13.03	214.98

		H.I.		
	0.38	215.36		
So. ¼				
50' west of prop.	Slope		13.6	
W line			3.0	212.4
So. ch				
W line			2.1	213.3
55' west	slope.		19.2	
South line Thom				
W line			2.5	212.9
55' west.	slope		23.5	
25' So.				
W line			6.4	219.0
56' west	slope		11.6	

		H.I.		
	2.83	230.36		227.53
275' So. of sect AB				
W line			0.7	229.7
60' west.	slope		26.0	
~~W. line~~	250' So.			
W. line			2.2	228.2
60' west	slope		25.0	
225' So.				
W line			-0.4	230.8
60' west	slope		23.5	
200' So.				
W line			3.5	226.9
60' west	slope.		27.4	
183' So.				
W line			6.7	223.7
60' west	slope.		29.0	
175' So.				
W line			9.0	221.4
60' west	slope.		29.3	

	H.I.		
	230.36		
	150' RO		
W line		17.4	213.0
75' west slope. bottom		37.8	
	125' RO.		
W line		20.0	210.0
80' west slope bottom		37.5	
	100' RO		
W line		16.5	213.9
80' west slope. bottom		37.0	
	75' RO		
W line		9.0	221.4
78' west slope bottom		36.0	
	68' RO.		
W line		6.4	224.0
75' west. slope bottom		35.3	
	51' RO.		
W line		4.5	225.9
60' west slope bottom		34.0	

X sect. Front from So. line Upas to So. line Walnut.

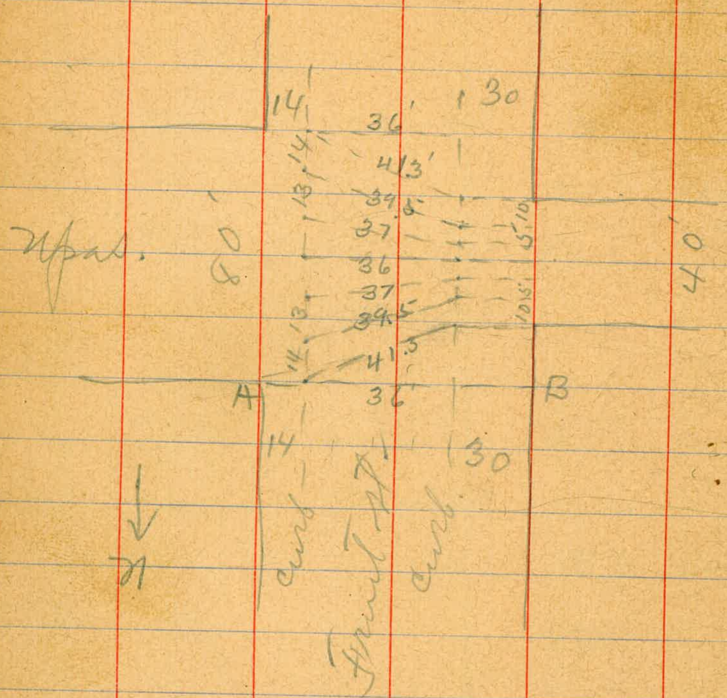
14' sidewalk on E, 30' on west

Childs
Evans
Shaw

Sept. 23/16 — 5.83 — H.I. 246.81 — 240.98

9 ft. quarters — H.I. 246.81

So. Cb. Upas



W line	7.1	✓39.7
	5.8	✓41.0
	6.1	✓40.7
C	5.7	✓41.1
	6.1	✓40.7
	6.2	✓40.6
E line	5.8	✓41.0
So 1/4		
E line	5.5	✓41.3
	5.6	✓41.2
	5.6	✓41.2
C	5.4	✓41.4
	5.9	✓40.9
	5.8	✓41.0
W line	7.3	✓39.5

Center

W line	7.3	+39.5
	5.9	+40.9
	5.9	+40.9
C	5.3	+41.5
	5.3	+41.5
	5.3	+41.5
E line	4.8	+42.0

no. 4

E line	4.9	+41.9
	5.1	+41.7
	4.9	+41.9
C	5.1	+41.7
	5.4	+41.0
	5.9	+40.9
W line	7.3	+39.5

no. 6

W line	7.3	+39.5
	6.0	+40.8
	5.8	+41.0
C	4.9	+41.9
	4.8	+42.0
	5.2	+41.6
E line	4.7	+42.1

north line xpat

E line	4.3	+42.5
	4.7	+42.1
x	4.4	+42.4
C	4.7	+42.1
	5.9	+40.9
	5.9	+40.9
W line	6.5	+40.3

Sect AB

40'W	slope	8.0	38.8
W line		7.2	39.6
+10'		5.3	41.5
		5.3	41.5
		5.4	41.4
C		4.6	42.2
		4.4	42.4
		4.7	42.1
E line		4.3	42.5

75' no. Sect AB

E line		3.7	43.1
		4.5	42.3
		4.1	42.7
C		5.1	41.7
		5.4	41.4
+5		5.9	40.9
		5.0	41.8
+15		4.2	42.6
W line		5.9	40.9
10'W	slope	6.9	39.9

50' no.

10'W	slope	10.0	36.8
W line		8.5	38.3
+15		7.3	39.5
		6.6	40.2
		5.4	41.4
C		4.9	41.9
		3.7	43.1
		4.3	42.5
E line		3.5	43.3

75' no.

E line		2.9	43.9
		3.6	43.2
+2'		3.2	43.6
		3.3	43.5
+5'		3.6	43.2
C		4.9	41.9
		5.5	41.3
		5.5	41.3
W line		7.2	39.6
7'W		7.1	39.7
10'W	slope	8.7	38.1

246.81

100' no.

10' W.	Slope		6.2	240.6
W line			6.1	240.7
			5.4	241.4
			5.0	241.8
C			4.3	242.5
+4'			3.3	243.5
			3.0	243.8
+7'			2.8	244.0
			2.9	243.9
E line			2.8	244.0

125' no.

E line			2.2	244.6
			2.2	244.6
			2.2	244.6
+5'			2.4	244.4
C			3.2	243.6
			3.7	243.1
			4.2	244.6
W line			3.7	243.1

132' no. HI 254.84

W. line	garage floor		11.65	243.19
JP.			10.75	254.84 HI 244.09

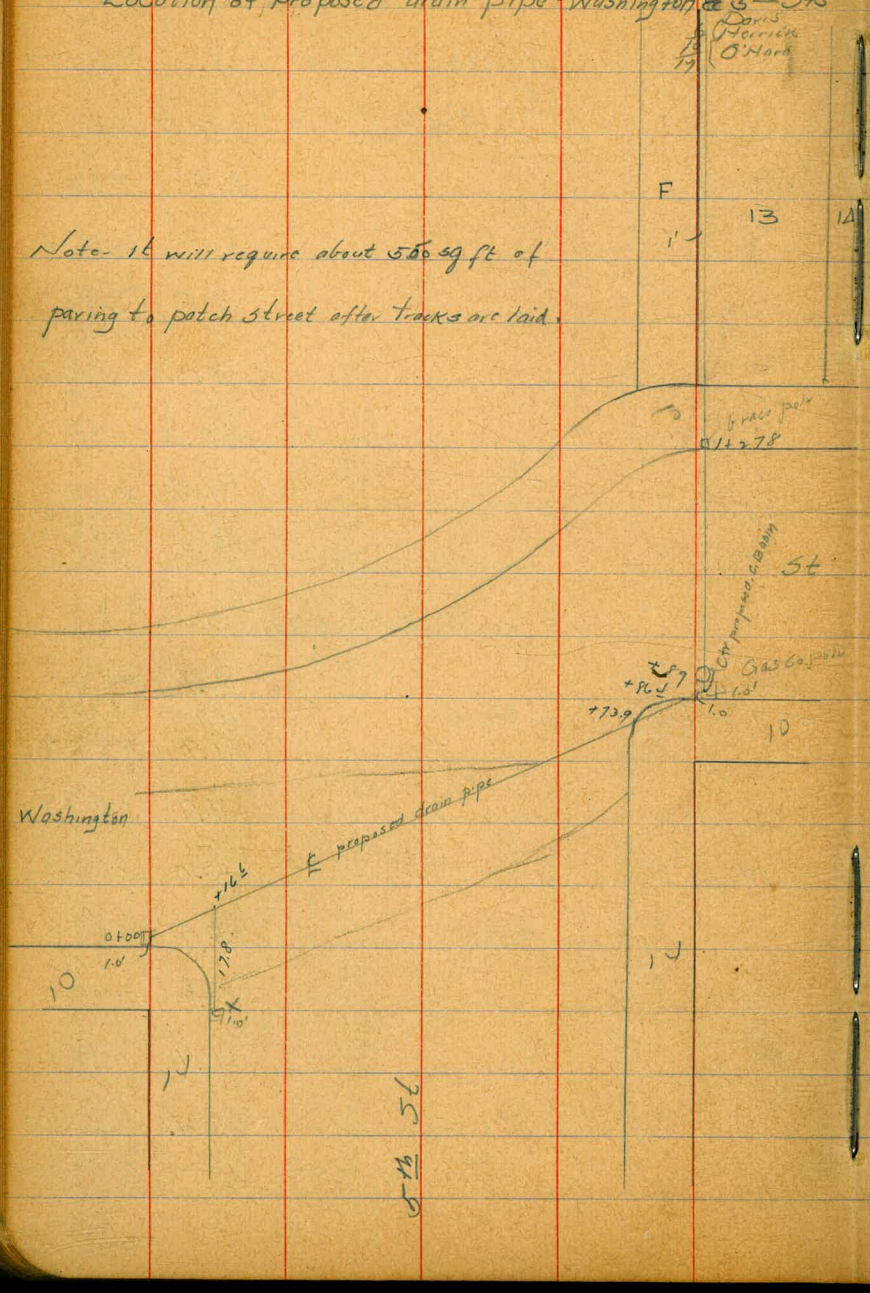
150' no.

E line			8.3	246.5
			8.3	246.5
			8.3	246.5
+5'			8.5	246.3
C			9.5	245.3
			10.2	244.6
			9.9	244.9
+6'			9.4	245.4
+7'			8.5	246.3
W line		Cement walk	8.04	246.80

166.8 no. (Adline Walnut)

W line			4.7	250.1
+14	top cement curb.		4.93	249.91
			4.9	249.9
			4.9	249.9
C			5.0	249.8
			5.9	248.9
			5.6	249.2
E line			4.4	250.4
	Check on Bench		3.94	250.90
	Elev. Bench	=		250.90

Location of Proposed drain pipe Washington & 5th Sts



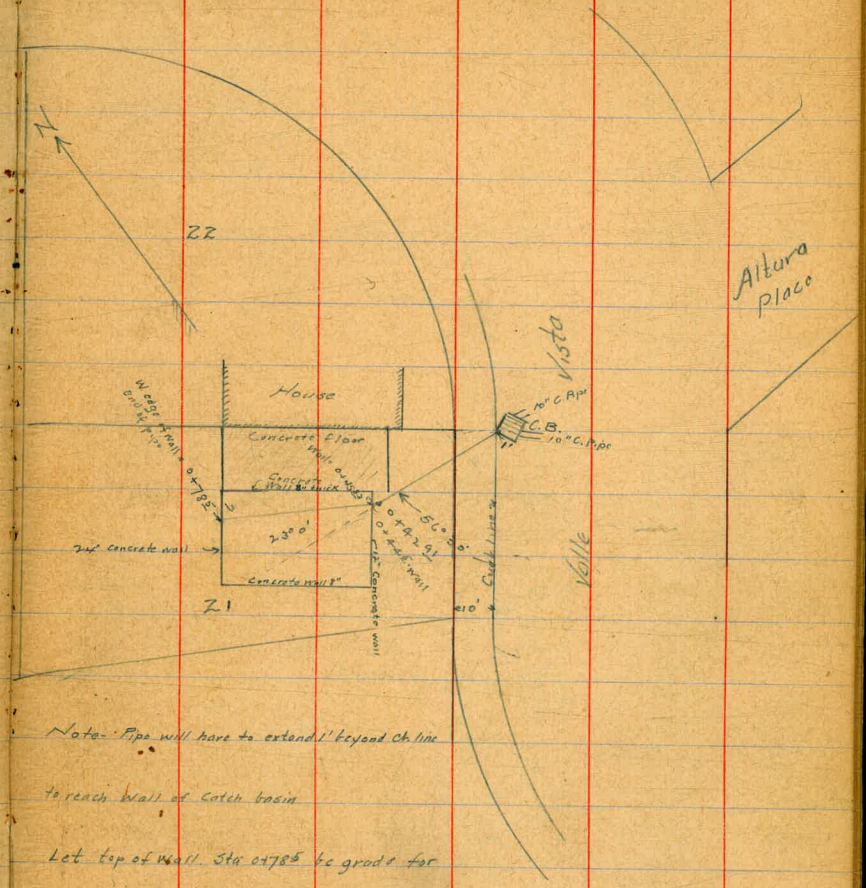
Levels over ℄ proposed drain pipe 5th & Washington.

Sta	+	HI	-	Elev.	BM. Pig in
	2.88	286.90		284.02	Ch. SW 5th & Wash.
X			3.64	283.26	
0+00			3.53	283.37	
+16½			3.97	287.93	
+50			4.78	287.12	
+73.9			5.45	281.45	
+73.9 Ch.			4.95	281.95	
+86.4 Ch.			4.98	281.92	
+86.4			5.57	281.33	
+89			5.5	281.4	
1+00			5.3	281.6	
+27.8 Ch.			4.6	287.3	
+45			4.1	282.8	
+50			3.5	283.4	
+63			6.0	280.9	
T.P.	0.40	275.60	1.70	275.20	
+75			3.7	271.9	
2+02			16.0	259.6	

Levels over & proposed Culvert thru Villa Lot 21 Mission Hills

		M.T.		
	2.88	266.95		264.07 BM. Pkgrl SV. & AV.
Bottom Catch basin			8.61	58.34
0+00 - Top Curb			5.01	61.94
+25			4.3	62.7
+42.91			4.4	62.6
+45.83 - Top wall			4.2	62.8
T.P	1.56	256.51	12.00	254.95
+45.83 bottom wall			3.0	53.5
+50			3.7	52.8
+62			5.6	51.0
+74			11.3	45.2
+78.5 - Top 24" Wall			11.43	245.08

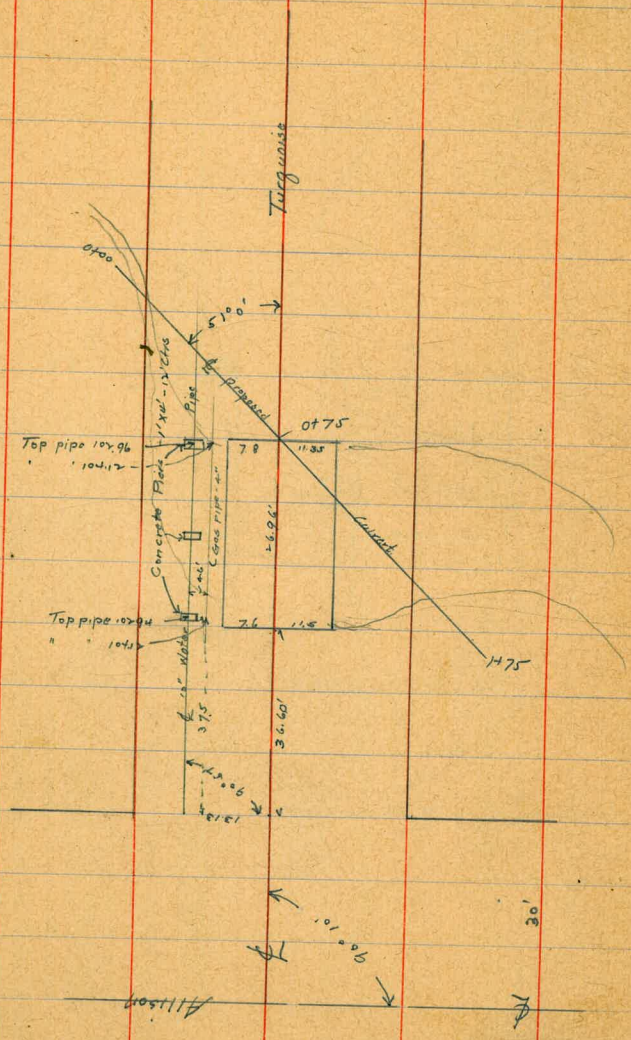
Location of Culvert across Villa Lot 21 Mission Hills



Note:- Pipe will have to extend 1' beyond ch. line to reach wall of Catch basin

Let top of wall Sta 0+78.5 be grade for bottom of pipe.

78
Davis
17 Hancock
Bellamy



	+	H.I.	−	Elev.
	11.09	84.34		73.25
	11.56	95.68	0.22	84.12
	8.39	103.77	0.30	95.38
	7.07	109.52	1.32	102.45
		E.L. Allison		
So			9.4	
+10			5.4	
C			4.9	
+20			3.3	
No			1.7	
		+23		
No			4.5	
C			3.3	
+14			4.7	
So			14.0	
+15			17.3	
Top 10" W Main			6.58	102.94
" 4" Gas "			5.40	104.12
Top 10" W Main			6.56	102.96
" 4" Gas "			4.90	104.62

109.5r

+29

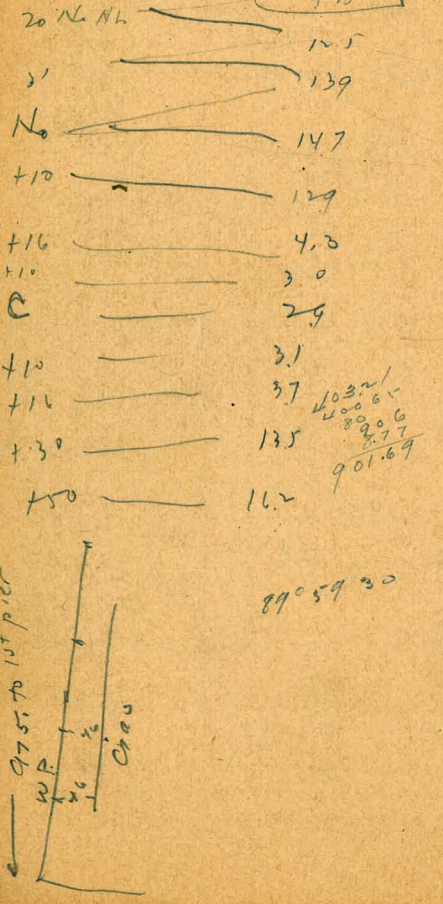
No	13.6	
+14	15.5	
+14	5.1	
C	4.2	
+14	4.7	
+20	7.7	
So	14.8	
	+36.6 = W.L. Bridge	
11.5 So ℄ = Cor bridge	3.9	105.6
C	4.0	105.5
C on bridge floor	4.2	105.3
7.6 N. C. Cor bridge	4.2	
	+63.5± = EL Bridge	
7.8 No ℄ Cor bridge	3.2	
C	3.2	
C on floor	3.37	106.15
11.5 S. C = Cor bridge	3.0	

+75

20 N. of N. Line	12.5	
3' "	13.9	
No	14.7	
+10	12.9	
+16	4.3	
+20	3.0	
C	2.9	
+10	3.1	
+16	3.7	
+30	13.5	
+50	16.2	
B.M. Spike in 1st Square pole W of Bridge	1.45	108.07
T.P.	0.87	11.20
	+36.6 = W.L. Bridge - bottom	
6 No	4.4	
No	5.0	
Cor bridge	6.2	
℄ St.	7.3	
Cor bridge	7.4	
S.L. St	8.2	
+20	9.1	

	+ 50	
7'N.		47
N. Line		47
C		7.2
S. Line		8.3
+20		8.9
		E. end bridge - bottom
20'S.		6.4
7'S.		5.1
6'.		7.5
S. Line		7.4
℄ St		6.5
+78'	Cor bridge	4.1
N.L.		5.4
+8		4.0
+20		2.0

		N.I.		
	1.45	109.52		108.07 BM Nail Pile
0+00			11.7	97.8
+25			12.0	97.5
+39			14.7	94.8
+50			13.0	96.5
+56			4.7	104.8
+75 = ℄ on bridge.			3.2	106.3
T.P	0.87	99.19	11.20	98.32
+75			6.5	.7
1+00			8.4	
+25			9.4	
+29			9.9	
+30			6.7	
+50			8.3	
+51			10.4	
+75			11.5	



DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

ROADWAY 14 FEET WIDE. SIDE SLOPES 1½ TO 1.

FOR SINGLE TRACK EMBANKMENT.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	0
1	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	1
2	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	2
3	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.6	12.7	12.9	3
4	13.0	13.2	13.3	13.5	13.6	13.8	13.9	14.1	14.2	14.4	4
5	14.5	14.7	14.8	15.0	15.1	15.3	15.4	15.6	15.7	15.9	5
6	16.0	16.2	16.3	16.5	16.6	16.8	16.9	17.1	17.2	17.4	6
7	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.9	7
8	19.0	19.2	19.3	19.5	19.6	19.8	19.9	20.1	20.2	20.4	8
9	20.5	20.7	20.8	21.0	21.1	21.3	21.4	21.6	21.7	21.9	9
10	22.0	22.2	22.3	22.5	22.6	22.8	22.9	23.1	23.2	23.4	10
11	23.5	23.7	23.8	24.0	24.1	24.3	24.4	24.6	24.7	24.9	11
12	25.0	25.2	25.3	25.5	25.6	25.8	25.9	26.1	26.2	26.4	12
13	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.9	13
14	28.0	28.2	28.3	28.5	28.6	28.8	28.9	29.1	29.2	29.4	14
15	29.5	29.7	29.8	30.0	30.1	30.3	30.4	30.6	30.7	30.9	15
16	31.0	31.2	31.3	31.5	31.6	31.8	31.9	32.1	32.2	32.4	16
17	32.5	32.7	32.8	33.0	33.1	33.3	33.4	33.6	33.7	33.9	17
18	34.0	34.2	34.3	34.5	34.6	34.8	34.9	35.1	35.2	35.4	18
19	35.5	35.7	35.8	36.0	36.1	36.3	36.4	36.6	36.7	36.9	19
20	37.0	37.2	37.3	37.5	37.6	37.8	37.9	38.1	38.2	38.4	20
21	38.5	38.7	38.8	39.0	39.1	39.3	39.4	39.6	39.7	39.9	21
22	40.0	40.2	40.3	40.5	40.6	40.8	40.9	41.1	41.2	41.4	22
23	41.5	41.7	41.8	42.0	42.1	42.3	42.4	42.6	42.7	42.9	23
24	43.0	43.2	43.3	43.5	43.6	43.8	43.9	44.1	44.2	44.4	24
25	44.5	44.7	44.8	45.0	45.1	45.3	45.4	45.6	45.7	45.9	25
26	46.0	46.2	46.3	46.5	46.6	46.8	46.9	47.1	47.2	47.4	26
27	47.5	47.7	47.8	48.0	48.1	48.3	48.4	48.6	48.7	48.9	27
28	49.0	49.2	49.3	49.5	49.6	49.8	49.9	50.1	50.2	50.4	28
29	50.5	50.7	50.8	51.0	51.1	51.3	51.4	51.6	51.7	51.9	29
30	52.0	52.2	52.3	52.5	52.6	52.8	52.9	53.1	53.2	53.4	30
31	53.5	53.7	53.8	54.0	54.1	54.3	54.4	54.6	54.7	54.9	31
32	55.0	55.2	55.3	55.5	55.6	55.8	55.9	56.1	56.2	56.4	32
33	56.5	56.7	56.8	57.0	57.1	57.3	57.4	57.6	57.7	57.9	33
34	58.0	58.2	58.3	58.5	58.6	58.8	58.9	59.1	59.2	59.4	34
35	59.5	59.7	59.8	60.0	60.1	60.3	60.4	60.6	60.7	60.9	35
36	61.0	61.2	61.3	61.5	61.6	61.8	61.9	62.1	62.2	62.4	36

Calculated by Julien A. Hall, M. Am. Soc. C. E.

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