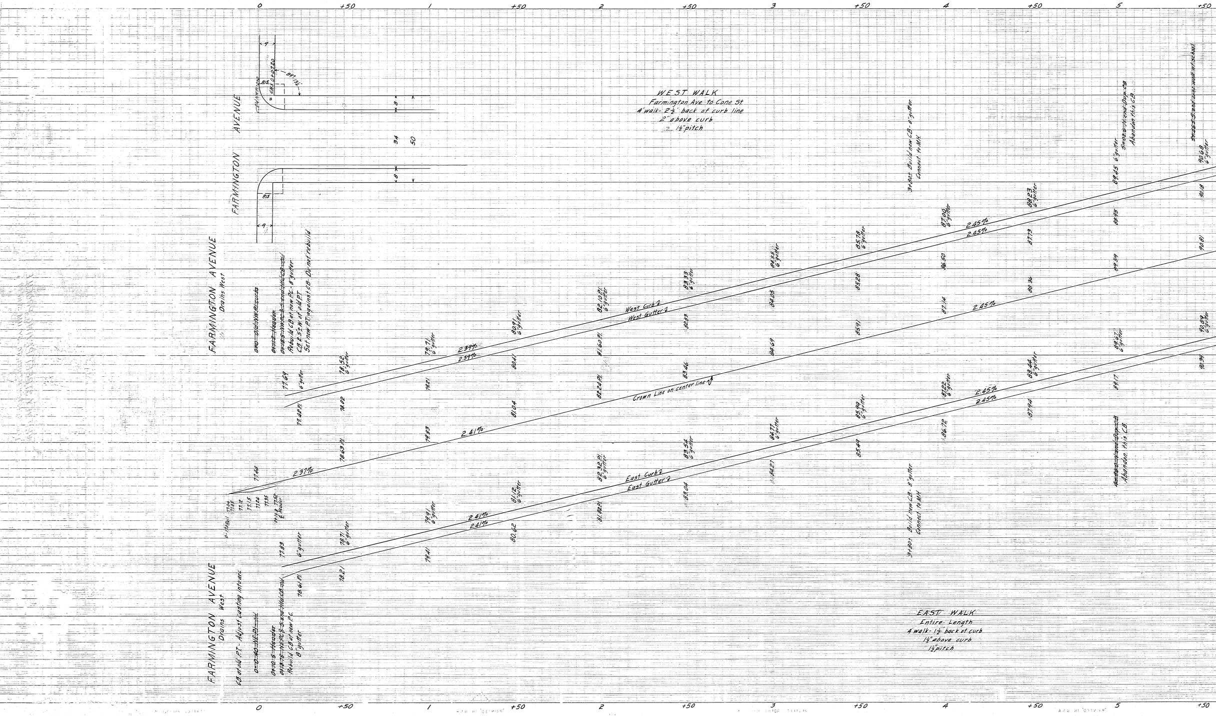
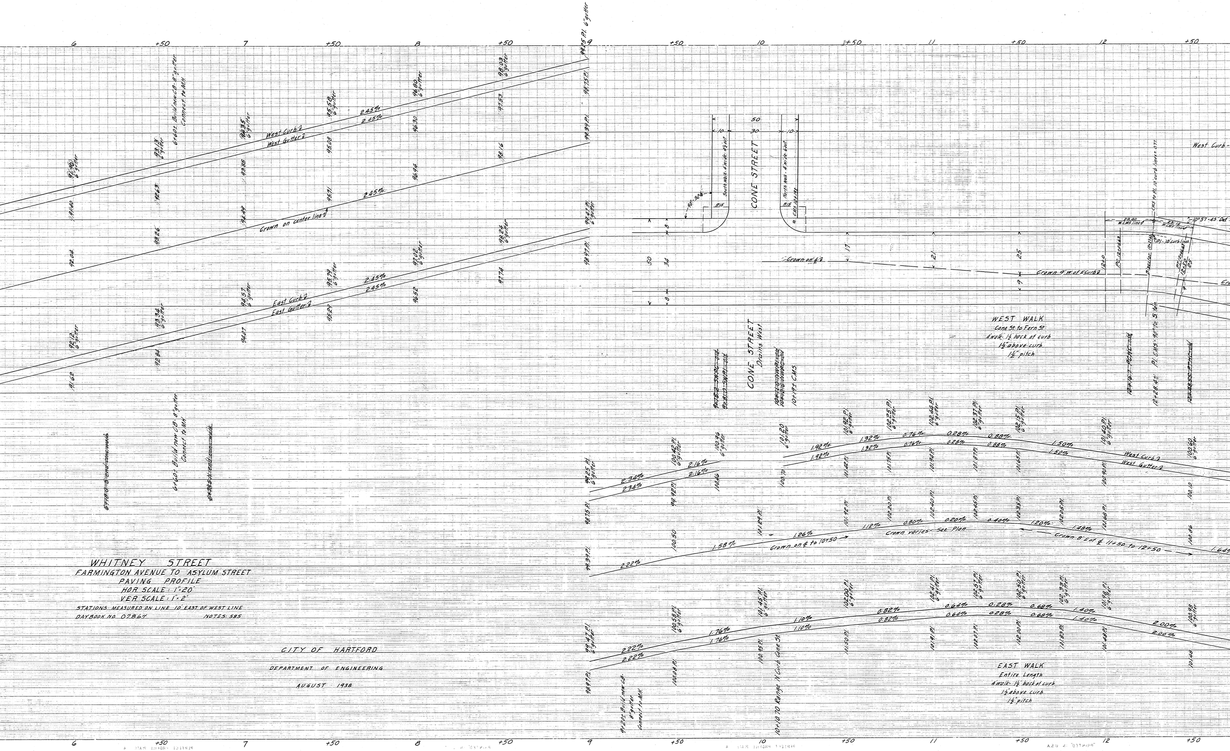
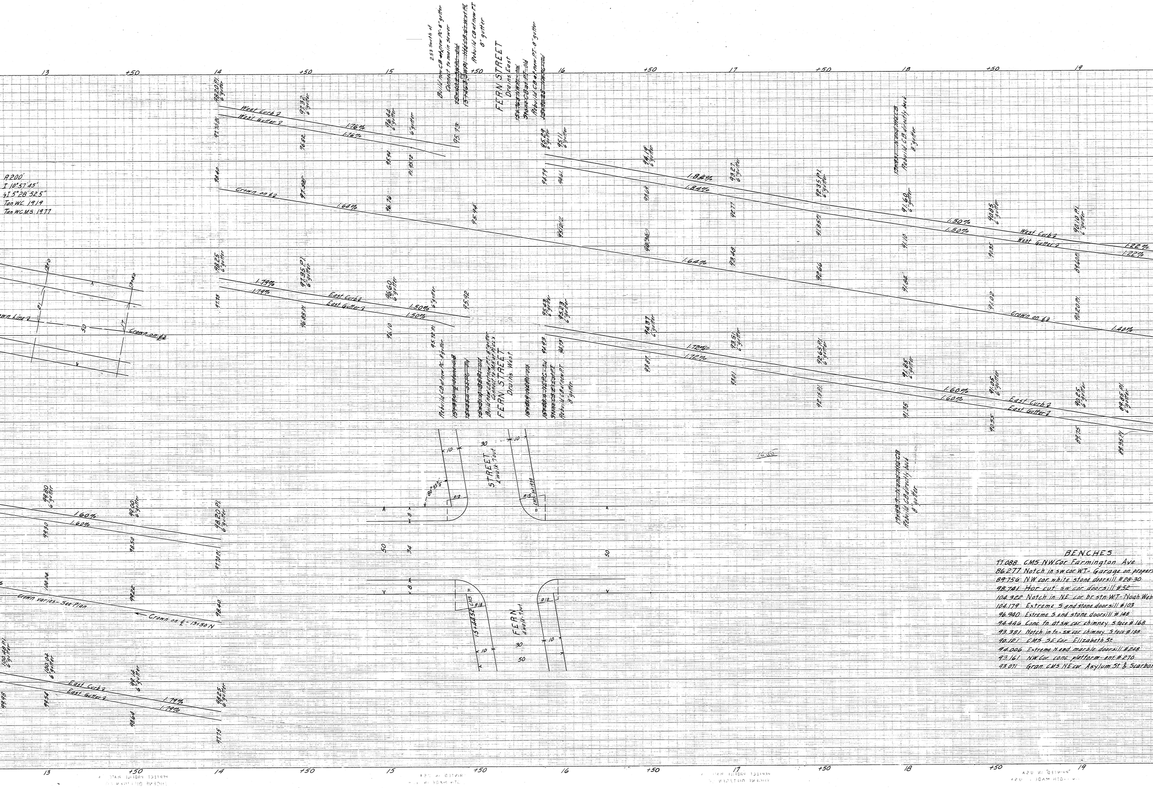

0
+50
1
+50
2
+50
3
+50
4
+50
5
+50
FARMINGTON AVENUE
R12
R15
9
8
34
50
WEST WALK
Farmington Ave to Cone St
4' walk - 2½' back of curb line
2" above curb
1½" pitch
FARMINGTON AVENUE
Drains West
~~0+0 - Old NW PT curb~~
~~0+11.2 - Header~~
~~0+15.5 - NW PC & S end Hd CB - old~~
Rebuild CB at new PC - 8" gutter
CB 2.5± W. of old PT
Set new PT against CB - Do not rebuild
77.69
6" gutter
77.42 PI
78.52
6" gutter
78.02
79.71
6" gutter
79.21
2.39%
2.39%
80.91
6" gutter
80.41
81.04
82.10 PI
6" gutter
81.60 PI
82.21 PI
West Curb ℄
West Gutter ℄
Crown Line on center line ℄
2.41%
2.37%
83.33
6" gutter
82.83
83.46
84.05
84.69
84.55
6" gutter
85.78
6" gutter
85.28
85.91
86.50
87.14
87.00
6" gutter
2.45%
2.45%
2.45%
3+80± Build new CB - 8" gutter
Connect to MH
88.23
6" gutter
87.73
88.36
89.45 6" gutter
88.95
89.59
~~5+02.0 - N end Dup. CB~~
Abandon this CB
~~5+16.5 - S end conc. walk at school~~
90.68
6" gutter
90.18
90.81
77.44
77.04
77.05
77.12
77.15
77.24
77.35
0+10.8 77.52
℄ Header
77.83
6" gutter
78.61 PI
78.71
6" gutter
78.21
79.91
6" gutter
79.41
2.41%
2.41%
81.12
6" gutter
80.62
82.32 PI
6" gutter
81.82 PI
East Curb ℄
East Gutter ℄
83.54
6" gutter
83.04
84.27
84.77
6" gutter
85.99
6" gutter
85.49
86.72
87.22
6" gutter
3+80± Build new CB - 8" gutter
Connect to MH
2.45%
2.45%
87.94
88.44
6" gutter
89.17
89.67
~~4+96.0 - N end Dup. CB~~
Abandon this CB
90.39
90.34
FARMINGTON AVENUE
Drains West
CB at old PT - Adjust casting into arc
~~0+0.40 - NE PI - old~~
~~0+10.6 - Header~~
~~0+13.76 - NE PC & S end Hd CB - old~~
Rebuild CB at new PC
8" gutter
EAST WALK
Entire Length
4' walk - 1½' back of curb
1½" above curb
1½" pitch
0
+50
1
+50
2
+50
3
+50
4
+50
5
+50



WHITNEY STREET
FARMINGTON AVENUE TO ASYLUM STREET
PAVING PROFILE
HOR. SCALE: 1" = 20'
VER. SCALE: 1" = 2'
STATIONS MEASURED ON LINE 10' EAST OF WEST LINE
DAYBOOK NO. 07864 NOTES: 585

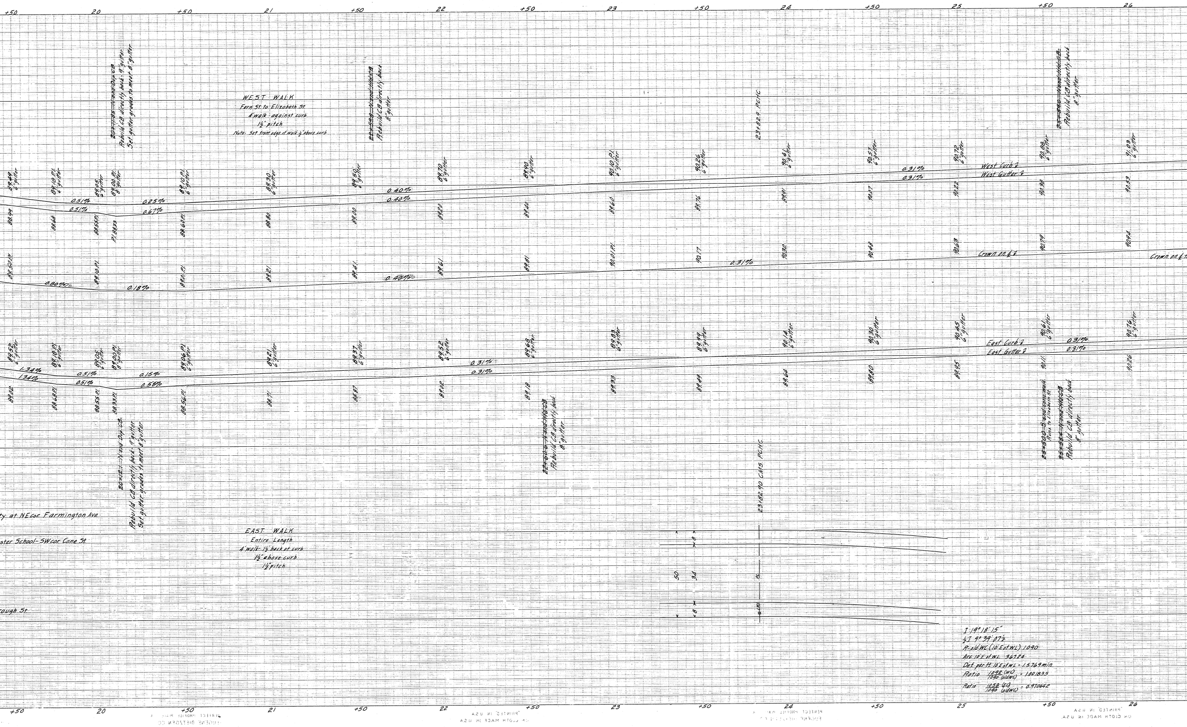
CITY OF HARTFORD
DEPARTMENT OF ENGINEERING
AUGUST 1938

6
+50
7
+50
8
+50
9
+50
10
+50
11
+50
12
+50
West Curb ℄
West Gutter ℄
Crown on center line ℄
East Curb ℄
East Gutter ℄
2.45%
6+60± Build new C.B. 8" gutter Connect to M.H.
~~6+19.0 S end conc walk~~
~~6+90.5 N end conc walk~~
98.75 P.I. 6" gutter
98.15 P.I.
98.39 P.I.
98.41 P.I. 6" gutter
98.01 P.I.
CONE STREET
50
30
10
South Walk - 4' wide 4½' out
North Walk - 4' wide 6' out
R15
CMS 10+19±
90°-32½'
8
34
50
17
21
25
9
Crown on ℄
Crown 9' W. of E. Curb ℄
CONE STREET Drains West
10+19± CMS
WEST WALK
Cone St. to Fern St.
4' walk - 1½' back of curb
1½" above curb
1½" pitch
28.40 W. CMS lines
23.14 W. CMS lines
10°-57'-45" Def.
CMS to P.I. 10' curb lines 0.7'
P.I. - 10' curb lines
12+0
P.C. 12+08.63
Bisector 12+27.63
P.T. 12+46.63
12+50
12+16.7 P.C. H.C. - old
12+28.4± P.I. CMS 90° to 5 tan
12+38.55 P.T. H.C. - old
West Curb
2.34%
2.16%
1.92%
1.32%
0.76%
0.28%
0.88%
1.50%
2.22%
1.58%
1.26%
1.12%
0.80%
0.20%
0.40%
1.20%
1.48%
Crown on ℄ to 10+50
Crown varies - See Plan
Crown 8' E. of ℄ 11+50 to 12+50
1.76%
1.10%
0.82%
0.64%
0.28%
0.68%
1.40%
2.00%
10+10.70 Raise ½ Curb Cone St.
9+27± Build new C.B. 8" gutter Connect to M.H.
EAST WALK
Entire Length
4' walk - 1½' back of curb
1½" above curb
1½" pitch


13
+50
14
+50
15
+50
16
+50
17
+50
18
+50
19
R200'
I 10°57'45"
½I 5°28'52.5"
Tan W.C. 19.19
Tan W.C.M.S. 19.77
2.53 South of
Build new CB at new PC - 8" gutter
Connect to main sewer
~~15+40.2 SW PC - Old~~
~~15+70.3 SW PI - Old CB 6' N. of PI~~
Rebuild CB at new PT
8" gutter
FERN STREET
Drains East
~~15+76.8 NW PI - Old~~
~~Stone CB at PT - Old~~
Rebuild CB at new PT - 8" gutter
~~15+90.25 NW PC - Old~~
West Curb ℄
West Gutter ℄
Crown on ℄
East Curb ℄
East Gutter ℄
Crown Line ℄
Crown on ℄
1.76%
1.84%
1.64%
1.50%
1.22%
1.79%
1.72%
1.60%
1.40%
6" gutter
Rebuild CB directly back
8" gutter
Rebuild CB at new PC - 8" gutter
Build new CB at new PT - 8" gutter
Connect to M.H. at PI CL's
FERN STREET
Drains West
Rebuild CB at new PT
8" gutter
STREET
4 walk 7 out
FERN
4 walk 7 out
R12
R15
R18
10
30
50
Crown varies - See Plan
Crown on ℄ - 13+50 N
15+44.5 E
East Curb ℄
East Gutter ℄
1.79%
1.60%

BENCHES

77.088	CMS NW Cor. Farmington Ave.
86.277	Notch in sw cor. W.T. - Garage on proper
89.756	NW cor. white stone doorsill #28-30
98.741	Hor. cut sw cor. doorsill #52
104.322	Notch in NE cor. br. stn. W.T. - Noah Web
104.179	Extreme S end stone doorsill #103
96.940	Extreme S end stone doorsill #148
94.446	Conc. fn. at sw cor. chimney S face #168
93.381	Notch in fn. - sw cor. chimney S face #188
90.121	CMS SE Cor. Elizabeth St.
94.006	Extreme N end marble doorsill #248
93.161	NW Cor. conc. platform - ent. #270
93.071	Gran. CMS NE cor. Asylum St. & Scarbor

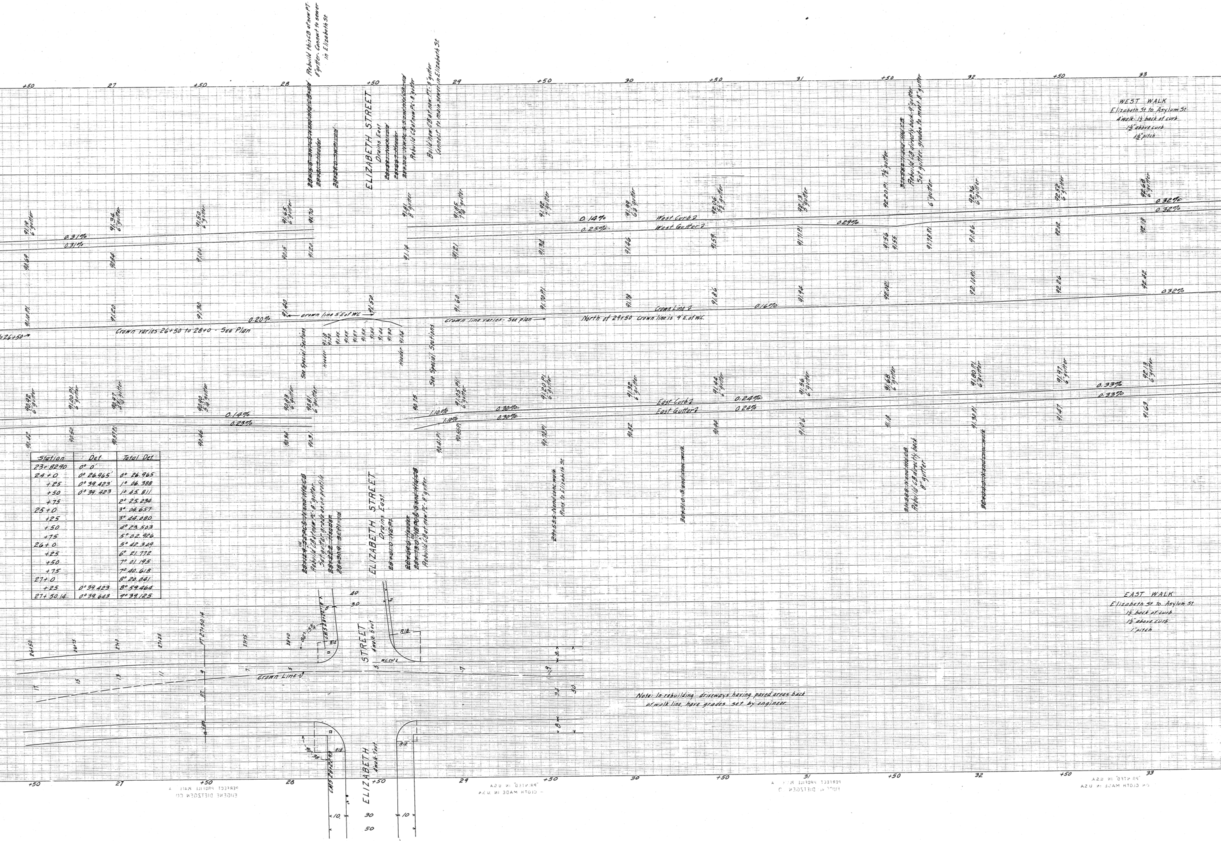


+50
20
+50
21
+50
22
+50
23
+50
24
+50
25
+50
26
~~20+17.85 — N and Dup CB~~
Rebuild CB directly back - 9" gutter
Set gutter grades to meet 8" gutter
~~22+59.8 — N and HW CB~~
Rebuild CB directly back
8" gutter
23+82.9 PCHC
~~25+58.0 — N and HW CB~~
Rebuild CB directly back
8" gutter
89.49 6" gutter
89.18 P.I. 6" gutter
89.05 6" gutter
89.00 P.I. 8" gutter
89.10 P.I. 6" gutter
89.30 6" gutter
89.50 6" gutter
89.70 6" gutter
89.90 6" gutter
90.10 P.I. 6" gutter
90.26 6" gutter
90.41 6" gutter
90.57 6" gutter
90.72 6" gutter
90.88 6" gutter
91.03 6" gutter
0.51%
0.51%
0.25%
0.67%
0.40%
0.40%
0.31%
0.31%
West Curb ℓ
West Gutter ℓ
88.99
88.68
88.55 P.I.
P.I. 88.33
88.60 P.I.
88.80
89.00
89.20
89.40
89.60
89.76
89.91
90.07
90.22
90.38
90.53
89.50 P.I.
89.10 P.I.
89.01 P.I.
89.21
89.41
89.61
89.81
90.01 P.I.
90.17
90.32
90.48
90.63
90.79
90.94
0.80%
0.18%
0.40%
0.31%
Crown on ℄ ℓ
Crown on ℄
89.52 6" gutter
89.18 P.I. 6" gutter
89.05 6" gutter
89.00 P.I. 8" gutter
89.06 P.I. 6" gutter
89.21 6" gutter
89.37 6" gutter
89.52 6" gutter
89.68 6" gutter
89.83 6" gutter
89.99 6" gutter
90.14 6" gutter
90.30 6" gutter
90.45 6" gutter
90.61 6" gutter
90.76 6" gutter
1.34%
1.34%
0.51%
0.51%
0.15%
0.58%
0.31%
0.31%
0.31%
0.31%
East Curb ℓ
East Gutter ℓ
89.02
88.68 P.I.
88.55 P.I.
88.33 P.I.
88.56 P.I.
88.71
88.87
89.02
89.18
89.33
89.49
89.64
89.80
89.95
90.11
90.26
20+12.1 — N and Dup CB
Rebuild CB directly back - 9" gutter
Set gutter grades to meet 8" gutter
~~22+60.6 — N and HW CB~~
Rebuild CB directly back
8" gutter
23+82.90 CMS PCHC
25+50.0 — S end conc walk
Runs to Elizabeth St
~~25+58.4 — N and HW CB~~
Rebuild CB directly back
8" gutter
ty at NE cor Farmington Ave
ster School - SW cor Cone St
rough St
50
34
PC

WEST WALK
Fern St to Elizabeth St
4' walk - against curb
1½" pitch
Note - Set from edge of walk ½" above curb

EAST WALK
Entire Length
4' walk - 1½' back of curb
1½" above curb
1½" pitch

I 19° 18' 15"
½ I 9° 39' 07½"
R - old WC (10' E of WL) 1090
Arc 10' E of WL 367.24
Def per ft 10' E of WL = 1.5769 min
Ratio $\frac{1092 \text{ (WC)}}{1090 \text{ (old WC)}} = 1.001835$
Ratio $\frac{1058 \text{ (EC)}}{1090 \text{ (old WC)}} = 0.970642$

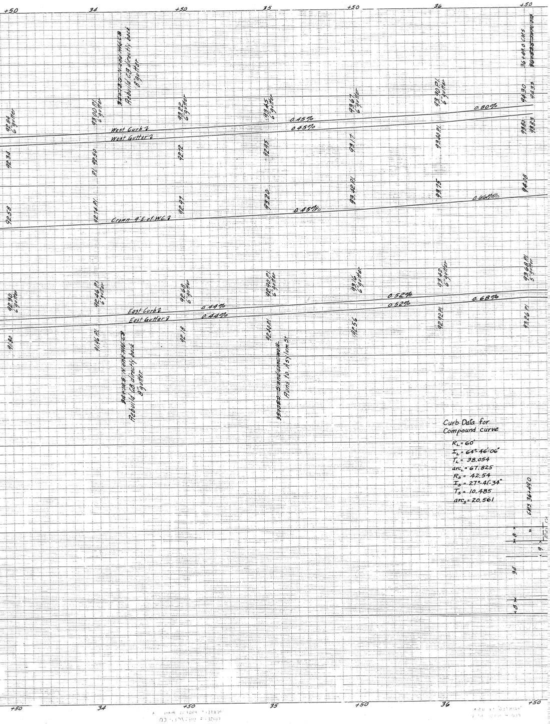

Rebuild this CB at new PT. 8" gutter. Connect to sewer in Elizabeth St.
ELIZABETH STREET
Drains East
Rebuild CB at new PC. 8" gutter
Build new CB at new PT. 8" gutter. Connect to main sewer in Elizabeth St.
Rebuild CB directly back. 8" gutter
Set gutter grades to meet 8" gutter
West Curb
West Gutter
0.31%
0.14%
0.25%
0.29%
0.32%
Crown Line
0.20%
0.16%
Crown line 5' E of WC
Crown line varies - See plan
North of 29+50 Crown line is 9' E. of W.C.
Crown varies 26+50 to 28+0 - See Plan
See Special Sections
Header
East Curb
East Gutter
0.14%
0.23%
1.10%
0.30%
0.24%
0.33%
6" gutter
ELIZABETH STREET
Drains East
Rebuild CB at new PT. 8" gutter
Set gutter grade as on profile
Rebuild CB at new PC. 8" gutter
Rebuild CB directly back. 8" gutter
Runs to Elizabeth St.
STREET
Crown Line
R18
R12
ELIZABETH
30
50
10
+50
27
28
29
30
31
32
33

Station	Def	Total Def
23+8290	0° 0'	
24+0	0° 26.965'	0° 26.965
+25	0° 39.423'	1° 06.388
+50	0° 39.423	1° 45.811
+75		2° 25.234
25+0		3° 04.657
+25		3° 44.080
+50		4° 23.503
+75		5° 02.926
26+0		5° 42.349
+25		6° 21.772
+50		7° 01.195
+75		7° 40.618
27+0		8° 20.041
+25	0° 39.423	8° 59.464
27+50.14	0° 39.643	9° 39.125

WEST WALK
Elizabeth St to Asylum St
4' walk - 1½ back of curb
1½" above curb
1½" pitch

EAST WALK
Elizabeth St to Asylum St
1½' back of curb
1½" above curb
1" pitch

Note: In rebuilding driveways having paved areas back of walk line, have grades set by engineer.


+50
34
+50
35
+50
36
+50
34+80 N end HW CB
Rebuild CB directly back
8" gutter
36+49.0 CMS
92.84 6" gutter
93.00 P.I. 6" gutter
93.22 6" gutter
93.45 6" gutter
93.67 6" gutter
93.90 P.I. 6" gutter
94.30
94.33
0.45%
0.45%
0.80%
West Curb ℄
West Gutter ℄
92.34
P.I. 92.50
92.72
92.95
93.17
93.40 P.I.
93.80
93.83
92.58
92.74 P.I.
92.97
93.20
93.42 P.I.
93.75
94.08
0.45%
0.66%
Crown 9' E of W.C. ℄
92.30 6" gutter
92.46 P.I. 6" gutter
92.68 6" gutter
92.90 P.I. 6" gutter
93.16 6" gutter
93.42 6" gutter
93.68 P.I. 5" gutter
0.44%
0.44%
0.52%
0.52%
0.68%
East Curb ℄
East Gutter ℄
91.80
91.96 P.I.
92.18
92.40 P.I.
92.56
92.92 P.I.
93.26 P.I.
34+48 N end HW CB
Rebuild CB directly back
8" gutter
35+050 S end conc. walk
Runs to Asylum St.
CMS 36+49.0
8
9
36
8
+50
34
+50
35
+50
36
+50

Curb Data for
Compound curve

$R_L = 60'$
$I_L = 64°-46'-06"$
$T_L = 38.054$
$arc_L = 67.825$
$R_S = 42.54$
$I_S = 27°-41'-34"$
$T_S = 10.485$
$arc_S = 20.561$