1577

EUGENE DIETZGEN CO.

DRAWING MATERIALS, MATHEMATICAL and SURVEYING INSTRUMENTS

Chicago New York San Francisco New Orleans Pittsburg Toronto

Distances from Center of Roadway for Cross-Sectioning
Roadway 16 feet wide. Side Slopes 1 on 1.
For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	0
1	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	1
2	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	2
3	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	3
4	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	4
5	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	5
6	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	6
7	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	7
8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	8
9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	9
10	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	10
11	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	11
12	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	12
13	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	13
14	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	14
15	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	15
16	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	16
17	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	17
18	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	18
19	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	19
20	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	20
21	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	21
22	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	22
23	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	23
24	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	24
25	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	25
26	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	26
27	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	27
28	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	28
29	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	29
30	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	30
31	39.0	39.1	39.2	39.3	39.4	39.5	39.6	39.7	39.8	39.9	31
32	40.0	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.8	40.9	32
33	41.0	41.1	41.2	41.3	41.4	41.5	41.6	41.7	41.8	41.9	33
34	42.0	42.1	42.2	42.3	42.4	42.5	42.6	42.7	42.8	42.9	34
35	43.0	43.1	43.2	43.3	43.4	43.5	43.6	43.7	43.8	43.9	35
36	44.0	44.1	44.2	44.3	44.4	44.5	44.6	44.7	44.8	44.9	36
37	45.0	45.1	45.2	45.3	45.4	45.5	45.6	45.7	45.8	45.9	37
38	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.8	46.9	38
39	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.7	47.8	47.9	39
40	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.8	48.9	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 30.6. For same slopes but other widths of roadbed, correct above figures by one-half difference in width of roadbed; thus in example above, for 20 ft. roadbed distance will be 30.6+(20—16)÷2 or 2 ft. added to 30.6 =32.6 For slopes of 1 on 1½ see inside of back cover.

The paper stock of this book is made of a **high grade 50% rag** paper having a **water resisting surface** and is sewed with Bing **Special Enamel Waterproof Thread.**

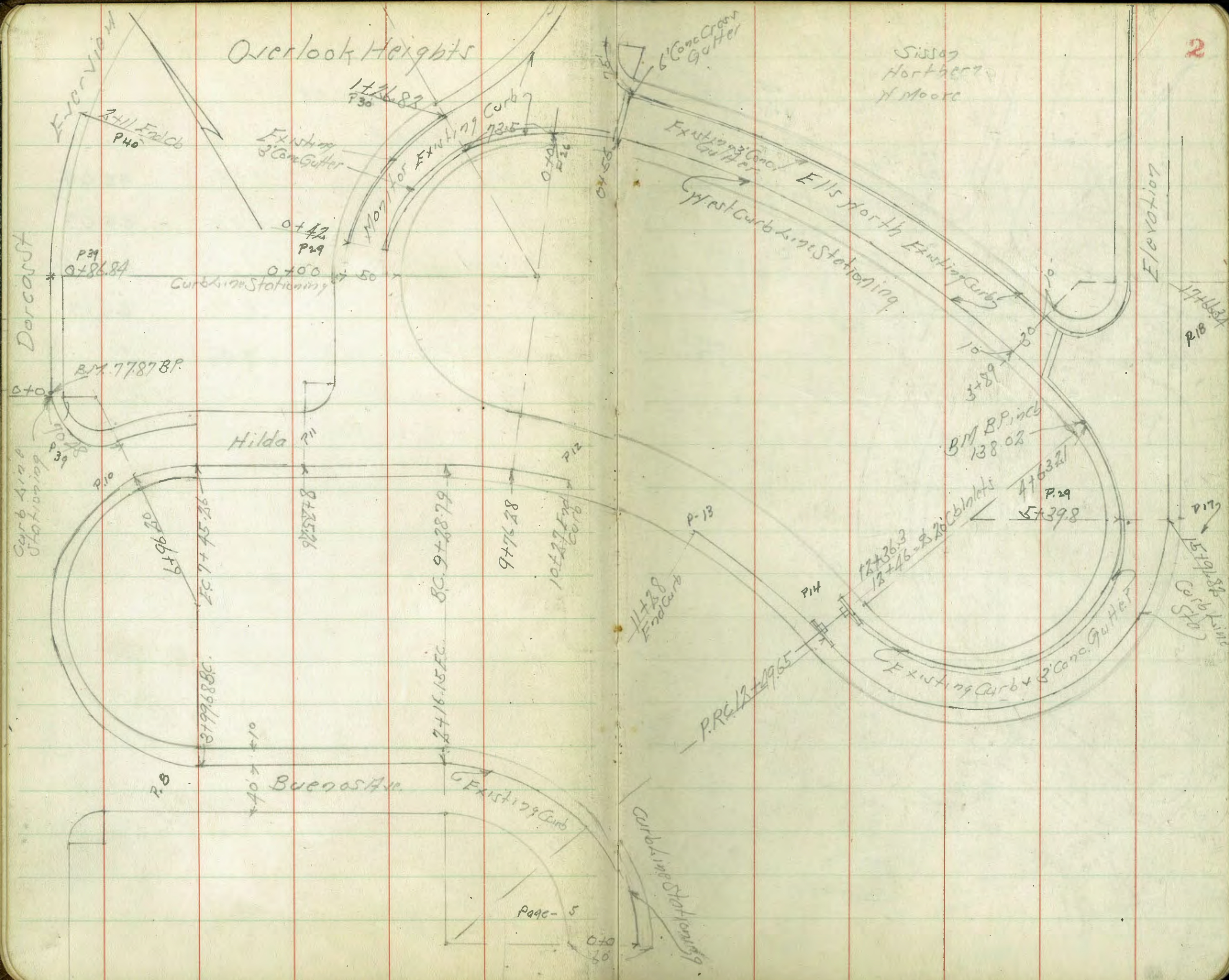
Made in U. S. A.

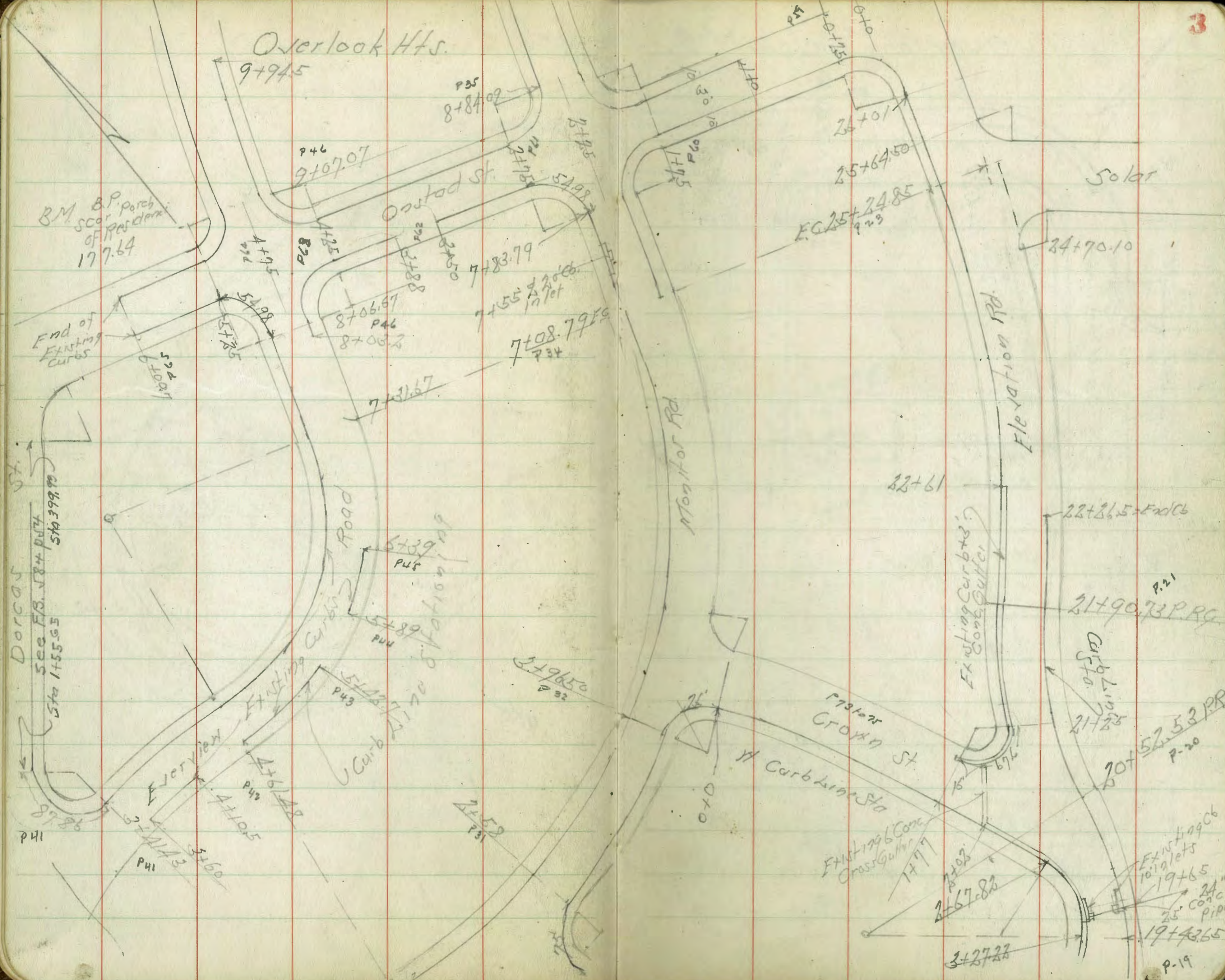
Levels Postoffice Diners
Cont from P-80

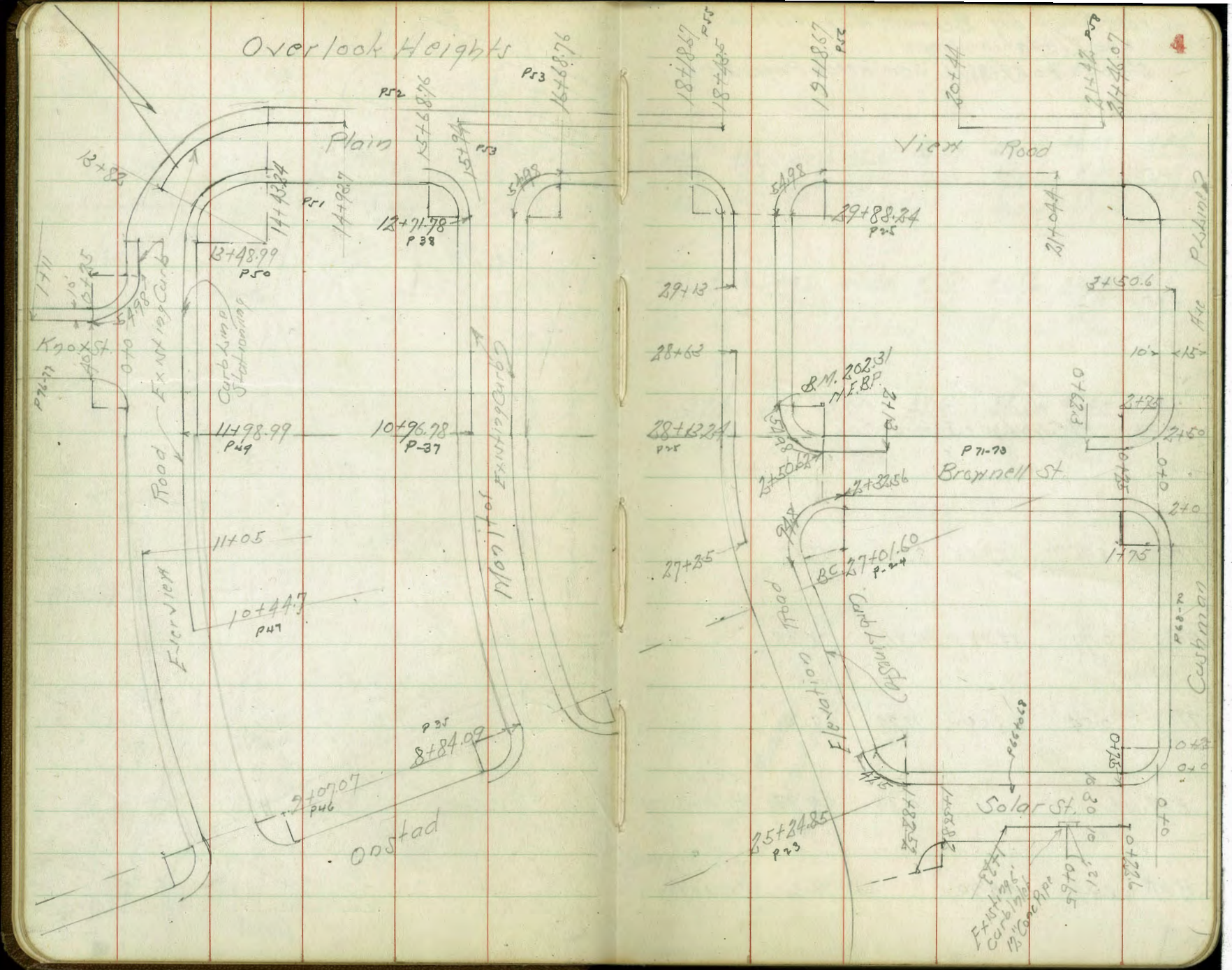
50.28

0+56.7

E Gut.			5.24	45.04
E cb			4.25	46.03
+6' = Wedge Walk			4.22	46.06
E.L. - E. " "			4.11	46.17
T.P.	9.07	58.79	0.56	49.72
chk. Starting BM.			2.23	56.55
				56.55
				0.00


Overlook Heights
2+11 End Cb
P40
1+76.83
P30
Existing 8' Conc Gutter
Monitor Existing Curb
0+42
P29
P39
0+86.84
0+00
50
Curb Line Stationing
B.M. 77.87 B.P.
0+0
Hilda
P.10
P11
P12
4+96.20
E.C. 7+45.26
8+57.8
B.C. 9+28.79
9+76.28
10+27 End Curb
3+99.68 B.C.
7+16.15 E.C.
40'
Buenos Ave.
Existing Curb
Page - 5
0+50
Curb Line Stationing
6' Conc Cross Gutter
0+56
Existing 3' Conc Gutter
Ells North Existing Curb
West Curb Line Stationing
Elevation
3+89
BM B.P. in cb
138.02
4+63.21
P.29
5+39.8
12+36.3
12+46 - 8.20 Cb Inlets
P-13
P14
11+38 End Curb
P.R.C. 12+19.65
Existing Curb + 3' Conc. Gutter
17+66.34
P.18
P.17
15+91.82
Curb Line Sta


Overlook Hts.
9+94.5
P35
8+84.02
P46
9+07.07
Oostad St.
BM B.P. Scor Porch of Residence 177.64
End of Existing Curbs
Dorcas St.
See F.B. 584 pg 4
Sta 1+55.65
Sta 3+99.99
Everview
Existing Curbs
Road
Curb Line Sta.
5+39
P45
5+89
P44
P43
P42
4+61.48
4+10.5
P41
3+60
7+83.79
7+55 Inlet
8+06.57
8+06.2
7+08.79 P.C.
P34
7+31.67
3+96.50
P32
2+58
P31
Monitor Rd.
Crown St.
Curb Line Sta.
0+0
Existing 6' Conc. Cross Gutter 1+77
2+67.82
3+27.23
Elevation Rd.
Existing Curb & 3' Conc. Gutter
24+01
25+64.50
E.C. 25+24.85
24+70.10
22+61
22+26.5 = End Cb
21+90.73 P.R.C.
P.21
21+25
20+52.53 P.R.C.
P-20
Existing Cb 10' inlets
19+65
24" 25' Conc. Pipe
19+43.65
P-19
Solar


Overlook Heights
Plain
View Road
Rood
Ridgeview
Onstad
Brownell St.
Solar St.
Cushman
Ave
Existing Curb line
15" Corrugated
Existing Curb & Gutter
Existing Curb & Gutter
Carb & Gutter Stationing
Ridgeview
Knox St.
P.C.
P.T.
B.M. 262.31
M.E.B.P.
BC 27+01.60
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Cross Section Buenos Aires - Hilda
And Elevation Road
Sta 0+0 to 29+88.24 See Sketch Page 2-3-4

INDEXED
EFB

Lt ℄ Rt

March 12-40
Sisson
Northern
& Moore

5

+50			43.4	43.3	42.4	42.61	43.29	43.60	44.07	44.8
			9.2	9.3	10.3	9.95	9.27	8.96	8.49	7.8
			28.9	22	14	13'-Edgr Pav.		18.9 Gutter	18.9 Top Cb	28.9
+25			41.1	41.3	40.6	40.94	41.50	41.56	42.14	42.8
			11.5	11.2	12.0	11.62	11.06	11.00	10.42	9.8
			30'	22	16	12'-Edgr Pav.		19.4 Gutter	19.4 Top Cb	29.4
0+0	Rt Curb Line Stations		39.4	38.8	39.1	39.6	38.54	40.04	40.7
			13.2	13.8	12.5	13.0	13.02	12.52	12.5
			30'	11	10'-Edgr Pav.		20' Gutter	20' Top Cb	30'
							52.56		
TP	3.96	52.56	8.28	48.60					
TP	0.79	56.88	11.91	56.09					
TP	0.54	68.00	11.24	67.46					
BM Set			0.83	77.87	N.E. B.P. Hilda & Dorcas				
BM	2.34	78.70		76.36	℄ Hub 77+69.22 #1544 Page 1				

Sections Reduced April + May 1940 & Plotted on Roll # 1 in CBH.

	Lt		℄		Rt		
2+0	48.0 4.6 25.5	48.1 4.5 13	47.66 4.90 10: Edge Pav.	48.37 4.19	48.90 3.66 15.5 Gutter	49.55 3.01 15.5 Topcb.	50.1 2.5 25.5
1+75	47.8 4.8 26	48.0 4.6 14	47.6 5.0 11	47.58 4.98 10: E.P.	48.27 4.29	48.84 3.72 16: Gut	49.39 3.17 16: Topcb	49.9 2.7 26
1+50	47.6 5.0 26.6	47.6 5.0 14	46.8 5.8 12	47.06 5.5° 10: E.P.	47.36 4.70	48.37 4.19 16.6 Gut	48.90 3.66 16.6= Topcb	49.3 3.3 26.6
1+25	46.6 6.0 27.2	46.9 5.7 14	46.1 6.5 12	46.28 6.28 1 E.P	47.14 5.42	47.63 4.93 17.2 Gutter	48.24 4.32 17.2 Topcb	48.7 3.9 27.2
1+0	45.4 7.2 27.7	45.9 6.7 15	45.3 7.3 14	45.27 7.29 17: E.P.	46.19 6.37	46.67 5.89 17.7 Gut	47.17 5.39 17.7 Topcb	46.6 4.0 27.7
0+75	44.3 8.3 28.3	44.5 8.1 17	43.7 8.9 14	44.01 8.55 13: Edge Pav.	44.87 7.69	45.36 7.20 18.3 Gutter	45.82 6.74 18.3 Topcb	46.9 5.7 28.3

57.56

57.56

					Lt	℄	Rt
				45.1	46.4 / 6.8 / 20	46.8 / 6.6 / 12	47.5 / 5.9 / 6	47.96 / 5.47 / 5=Edge Rd	48.05 / 5.38	48.23 / 5.20 / 15=Gutter	48.39 / 5.04 / 15=Top Cb.	47.9 / 5.5 / 25
				8.3 / 25					53.43			
TP	4.98	53.43	4.11	48.45								
+25					44.8 / 7.8 / 25	46.8 / 5.8 / 17	47.6 / 5.00 / 6=E.P.	47.90 / 4.66	48.21 / 4.35 / 15=Gut	48.52 / 4.04 / 15=TCb.	48.1 / 4.5 / 25
3+0					44.4 / 8.2 / 25	46.6 / 6.0 / 18.0	47.2 / 5.4 / 12	47.39 / 5.17 / 6=E.P.	47.83 / 4.73	48.26 / 4.30 / 15=9	48.73 / 3.83 / 15=TCb	48.3 / 4.3 / 25
+75				44.8 / 7.8 / 25	47.0 / 5.6 / 18	47.7 / 5.4 / 12	47.0 / 5.6 / 10	47.21 / 5.35 / 6=E.P.	47.82 / 4.74	48.38 / 4.18 / 15=9	48.99 / 3.57 / 15=TCb	47.5 / 4.1 / 25
+50					47.2 / 5.4 / 25	47.4 / 5.2 / 15	47.39 / 5.17 / 7=E.P.	48.04 / 4.57	48.57 / 4.00 / 15=9	48.19 / 3.37 / 15=TCb.	48.9 / 3.7 / 25
2+16.15: F.C.					47.8 / 4.8 / 25	47.9 / 4.7 / 12	47.71 / 4.85 / 9=Edge Rd.	48.37 / 4.19	48.90 / 3.66 / 15=Gutter	49.49 / 3.07 / 15=Top Cb	49.6 / 3.0 / 25
		52.56							52.56			

Buenos-Hilda-Elevation

		Lt.		℄		Rt	
+							
TP	5+00	49.3 4.1 25	50.0 3.4 12	50.52 2.91 5=EP	50.64 2.79	50.60 2.83 15= G	51.11 2.32 15= Cb	51.4 2.0 25
+	+75	47.5 5.9 25	49.2 4.2 12	49.25 4.18 4=EP	49.37 4.06	49.35 4.08 15= G	49.82 3.61 15= Cb	50.0 3.4 25
3+	+50	46.7 6.7 25	48.3 5.1 12	48.42 4.94 3=EP	48.68 4.75	4865 4.78 15= G	49.05 4.38 15=Cb	48.7 4.7 25
+	4+25	45.6 7.8 25	46.3 7.1 21	47.3 6.1 12	48.18 5.25 3=EP	48.33 5.10	48.37 5.06 15= G	48.57 4.86 15=Cb	48.3 5.1 25
+	3+99.68=BC Rt	45.0 8.4 25	46.1 7.3 21	46.8 6.6 12	47.2 6.2 7	48.09 5.34 4=EP	48.17 5.26	48.34 5.09 15= G	48.52 4.91 15=Cb	48.0 5.4 25
2+	3+75	45.1 8.1 25	46.5 6.9 21	46.8 6.6 12	47.5 5.9 7	48.04 5.39 15= Edgerton	48.10 5.33	48.25 5.18 15= Guthri	48.49 4.94 15= TopCb	47.9 5.5 25
		53.43		53.43					

						Lt.		Z		Rt	
TP	11.71	75.65	0.62	63.94							
+25						65.6 +1.0 Δ25	64.39 0.17	63.37 1.19 15=Gutter	63.98 0.58 15=TopCb	64.0 0.6 Δ25	
6+0						62.4 2.2 Δ25	61.6 3.0 Δ20	61.22 3.34 11=EP	61.00 3.56	60.32 4.24 15=G	60.91 3.65 15=Cb	61.2 3.4 Δ25
+75					61.0 3.6 Δ25	60.4 4.2 22	58.3 6.3 19	57.9 6.7 17	57.3 7.3 10	57.81 6.75 6=EP	57.75 6.81	57.54 7.02 15=G	58.17 6.39 15=Cb	58.3 6.3 Δ25
+50					55.1 9.5 Δ25	54.5 10.1 22	55.0 9.6 13	54.2 10.4 10	54.70 9.86 5=EP	54.85 9.71	54.86 9.73 15=G	55.42 9.14 15=Cb	56.0 8.6 Δ25	
										64.56				
TP	11.40	64.56	0.27	53.16										
5+25						51.9 1.5 Δ25	51.9 1.5 17	52.1 1.3 12	52.53 0.90 6=Edge PBV	52.53 0.90	52.36 1.07 15=Gutter	52.86 0.57 15=TopCb	53.3 0.1 Δ25	
		53.43								53.43				

Bucnor-Hilda-Elevation Road

7+45.26 = E.C.				
7+25				
TP	11.72	86.96	0.41	75.24
+96.20 = P.R.C. on Lt.				
+75				
6+50				

7565

Lt. ℄ Rt.

Row								
7+45.26	75.9 / 11.1 / 25'	77.1 / 9.9 / 23'	77.89 / 9.07 / 15' End Cb	77.0 / 10.0 / 15 Gut.	76.60 / 10.36	75.99 / 10.97 / 15' Gutter	76.53 / 10.43 / 15' Cb Top	75.4 / 11.6 / 25
7+25	75.6 / 11.4 / 25	75.80 / 11.16 / 15' Cb	74.9 / 12.1 / 15' G	74.63 / 12.33	74.00 / 12.96 / 15' G	74.55 / 12.41 / 15' Cb	73.4 / 13.6 / 25	
TP				86.96				
+96.20	73.6 / 2.0 / 25	74.01 / 1.64 / 15' Cb	73.18 / 2.47 / 15' Gut.	72.18 / 3.47	71.32 / 4.33 / 15 G	71.73 / 3.92 / 15' Cb	71.2 / 4.4 / 25	
+75	72.99 / 2.66 / 25 on Pav	70.16 / 5.49	69.14 / 6.51 / 15' G	69.65 / 6.00 / 15' Cb	69.2 / 6.4 / 25			
6+50	69.84 / 5.81 / 25 on Pav	67.45 / 8.20	66.39 / 9.26 / 15' Gutter	66.90 / 8.75 / 15' Top Cb	66.7 / 8.9 / 25			

7565

					Lt		℄		Rt		
TP	11.64	108.85	0.03	97.21							
+75			5		96.56 / 0.68 / 23: Edge Pav	95.21 / 2.03 / 12'	94.19 / 3.05	93.29 / 3.95 / 15: G	93.74 / 3.50 / 15: Cb	93.5 / 3.7 / 20'	90.8 / 6.4 / 25'
+50					93.6 / 3.6 / 25'	91.42 / 5.82 / 9 on Pav.	90.67 / 6.57	89.92 / 7.32 / 15: G	90.39 / 6.85 / 15: Cb	89.9 / 7.3 / 21'	88.1 / 9.1 / 25
							97.24				
TP	10.84	97.24	0.56	86.40							
+25.26: E.C. on Lt					89.7 / +2.7 / 25'	88.8 / +1.8 / 23'	87.4 / +0.4 / 5: EP	87.0 / 0.0	86.38 / 0.58 / 15' = Gut	86.96 / 0.00 / 15: Cb	85.7 / 13 / 25
8+0					85.2 / 1.8 / 25'	85.1 / 1.9 / 19'	83.61 / 3.35 / 8: EP	83.39 / 3.57	82.75 / 4.21 / 15: G	83.45 / 3.51 / 15: Cb	82.3 / 4.7 / 25'
7+75						81.4 / 5.6 / 24	80.02 / 6.94 / 8: Edge Pav.	80.0 / 7.0	79.39 / 7.57 / 15: Gut	80.06 / 6.90 / 15: Cb	78.9 / 8.1 / 25
		86.96					86.96				

+27 = End Cb on Rt.

10+00

+76.28 = PRC on Lt.

+50

+28.79 = B.C. Rt.

9+00

108.85

Lt	℄	Rt.
107.6	107.23	106.92	105.96	106.67	105.5
1.3	1.62	1.93	2.89	2.18	3.4
25	15=Edge Pav.		15	15=Cb Ext.	25
107.4	106.95	105.85	104.80	105.47	104.0
1.4	1.90	3.00	4.05	3.38	4.8
25	16=Edge Pav.		15=Gut	15=Cb	25
106.9	106.3	104.67	104.41	103.48	104.09	103.0	102.0
1.9	2.5	4.18	4.44	5.37	4.76	5.8	6.8
25	6	15=E.P.		15=G	15=Cb	23	25
102.60	102.38	101.42	101.89	101.8	100.0
6.35	6.47	7.43	6.96	7.0	8.8
4=E.P.		15=G	15=Cb	22	25
100.53	100.1	99.33	99.69	100.3	97.8
8.33	8.70	9.52	9.16	8.5	11.0
6=E.P.		15=G	15=Cb	20	25
97.66	97.19	96.32	96.65	97.8	93.4
11.19	11.66	12.53	12.20	11.0	15.4
9=Edge Pav.		15=Gutter	15=Cb	19	25

108.85

Buenos - Hilda - Elevation Road

+75				
+50				
+28 = Beg. of Cb on Rt				
11+0				
+75				
TP	2.14	110.72	0.27	108.58
10+50				
		108.85		

Lt			℄		Rt	
107.2	106.61	106.72	105.89	106.79	106.4	102.9
3.5	4.11	4.00	4.83	3.93	4.3	7.8
25	14		15=Gut	15=Cb	19	25
108.2	107.34	107.40	106.51	107.41	106.8	103.5
2.5	3.38	3.32	4.21	3.31	3.9	7.2
25	15=EP		15	15=Cb	19	25
109.2	108.32	108.14	107.30	107.92	107.6	103.7
1.5	2.46	2.58	3.42	2.80	3.1	7.0
25	15=EP		15=Gutter	15=End Cb	19	25
110.0	109.14	108.82		107.98	108.5	108.0	105.3
0.7	1.58	1.90		2.74	2.2	2.7	5.4
25	15=EP			15 EP	17	30	25
109.2	108.64	108.53		107.61	108.3	107.6	105.4
1.5	2.08	2.19		3.11	2.4	3.1	5.3
25	13=EP			15=EP	17	21	25
		110.72					
108.3	107.74	107.75		106.92	106.9	105.8	
0.6	1.11	1.10		1.93	2.0	3.1	
25	13=Edge Pav't			15=Edge Pav't	22	25	
		108.85					

13+0						
+75						
TP	8.39	115.05	4.06	106.66	Main Pole Left 12+49	
+49.65 = P.R.C.						
+36.3						
12+0						
		110.72				

Lt			℄			Rt		
107.6 7.5 25	107.01 8.04 15-Cb	106.53 8.52 15-G	106.72 8.33	105.98 9.07 15-G	106.45 8.60 15-Cb	106.4 8.7 17	101.5 13.6 25
107.1 8.0 25	107.1 8.0 20	106.34 8.71 15-Cb	105.67 9.38 15-G	105.92 9.13	105.57 9.48 15-G	105.93 9.12 15-Cb	105.8 9.3 18	101.0 14.1 25
			115.05					
106.9 3.8 25	105.98 4.74 15-Cb	104.94 5.78 15-G	105.42 5.30	104.96 5.76 15-Gut	105.98 4.74 15-Cb	105.6 5.1 19	102.8 7.9 25	
106.4 4.3 25	105.98 4.74 15-Cb Fnd	104.94 5.78 15-Gut.	105.57 5.15	105.09 5.63 15-Gut	106.05 4.67 15-Cb	105.6 5.1 19	103.0 7.7 25	
	106.14 4.3 25	106.15 4.57 13	106.26 4.46	105.52 5.20 15-G	106.32 4.40 15-Cb	105.7 5.0 19	102.9 7.8 25	
			110.72					

		Lt	Δ	Rt
~TP	8.32	130.81	0.65	122.49
+25				
TP	11.47	126.14	0.38	114.67
14+00				
+75				
+50				
13+25				
		116.05		

116.3	115.77	115.30	115.76	115.21	115.74	115.4	112.1
9.8	10.37	10.84	10.38	10.93	10.40	10.7	14.0
25	15 Cb	15 G		15 G	15 Cb	19	25
			126.14				
114.3	113.24	112.78	113.49	112.77	113.26	112.44	110.8
0.8	1.81	2.27	1.56	2.28	1.79	2.7	4.3
25	15 Cb	15 G		15 G	15 Cb	25	25
112.1	111.09	110.61	111.04	112.53	111.02		110.4
3.0	3.96	4.44	4.01	4.52	4.03		4.7
25	15 Cb	15 G		15 G	15 Cb		25
110.1	109.33	108.90	109.30	108.66	109.16		109.3
5.0	5.72	6.15	5.75	6.39	5.89		5.8
25	15 Cb	15 G		15 G	15 Cb		25
108.6	107.99	107.53	107.80	107.18	107.59	107.7	103.6
6.5	7.06	7.52	7.25	7.87	7.46	7.4	11.5
25	15 Cb	15 Gut		15 Gut	15 Cb	19	25
			116.05				

Buenos-Hilda-Elevation Road

~+75				
TP	11.73	142.47	0.07	130.74
+50				
+25				
15+0				
+75				
14+50				
		130.81		

	Lt		℄		Rt	
	130.9 11.6 25	131.51 10.96 15-cb	131.02 11.45 15-Gut	131.59 10.88	130.81 11.66 15-Gut	131.35 11.12 15-cb	131.5 11.0 25
			142.47				
	128.7 13.1 25	129.02 1.79 15	128.49 2.32 15	128.18 1.63	128.21 2.60 15	128.87 1.94 15	129.1 1.7 25
	126.6 4.7 25	126.48 4.33 15	125.98 4.83 15	126.55 4.26	125.85 4.96 15	126.31 4.50 15	126.5 4.3 25
	123.9 6.9 25	123.84 6.97 15	123.39 7.42 15	123.81 7.00	123.26 7.55 15	123.72 7.09 15	123.0 7.8 25
	121.4 9.4 25	120.76 10.05 15-100%	120.67 10.14 15	121.04 9.77	120.54 10.27 15	121.13 9.68 15	120.6 10.2 25
	119.0 11.8 25	118.45 12.36 15-cb	117.97 12.84 15 G	118.38 12.43	118.41 12.40 15 G	117.76 13.05 15 cb	118.2 12.6 22	116.8 14.0 25
			130.81					

~+25					
TP	11.36	153.70	0.13	142.34	
17+0					
+75					
BM			4.37	138.10	SM B.P. Elevation Red Elsmorth Elsmorth Correct 138.02
+50					
16+25					
15+91.85 = E.C.					
		142.47			

Lt.		℄		Rt.	
142.72		142.90	142.36	142.91	143.1
10.98		10.80	11.34	10.79	10.6
15 on Pav			15-Gut	15-Cb	
		153.70			
141.37		141.41	140.76	141.43	141.4
1.10		1.06	1.71	1.04	1.1
15 on Pav			15-Gut	15-Cb	25
139.82		139.73	139.25	139.85	139.9 141.0
2.65		2.74	3.22	2.62	2.6 1.5
15 on Pav			15-G	15-Cb	22 25
138.00		138.03	137.44	138.07	139.0
4.47		4.44	5.03	4.40	3.5
15 on Pav			15-G	15-Cb	25
135.69	135.22	135.49	135.95	135.49	136.08 137.7
6.78	7.25	6.98	6.52	6.98	6.39 4.8
21-Cb	21-Gut	15 on Pav		15-G	15-Cb 25
132.7	133.00	132.53	133.05	132.55	132.62 133.2
10.4	9.47	9.94	9.42	9.92	9.85 9.3
25	15-Cb	15-Gut		15-Gut	15-Cb 25
		142.47			100.

	Lt		℄		Rt.	
152.3	152.22	151.74	152.10	151.51	152.19	151.5
1.4	1.48	1.96	1.66	2.19	1.51	2.2
25	15:Cb	15:Gut.		15:Gut	15:Cb	25
+75						
150.9	150.72	150.21	150.66	150.13	150.23	150.69
2.8	2.98	3.49	3.04	3.57	3.47	3.01
25	15:Cb	15:G		15:G	15:Cb in Dr.	25
+50						
148.6	149.14	148.67	149.01	148.64	149.16	149.3
5.1	4.56	5.03	4.69	5.06	4.54	4.4
25	15:Cb	15:Gut		15:G	15:Cb	25
+25						
147.1	147.56	147.11	147.48	147.12	147.18	147.6
6.5	6.14	6.59	6.22	6.58	6.52	6.1
25	15:Cb	15:G		15:G	15 in Dr.	25
18+0						
145.4	145.04	144.99	145.41	145.01	145.50	146.2
8.3	8.66	8.71	8.29	8.69	8.20	7.5
25	15 Cb in Dr.	15: Gut.		15: Gut	15: Cb	25
17+66.31 = BC. on L						
		144.10	144.42	144.02	144.47	144.5
		9.60	9.28	9.68	9.23	9.2
		15 on Par.		15: Gut	15: Cb	25
17+50						
	153.70		153.70			

Buenos-Hilda-Elevation Road

20+0					
+75 = N End 10' Cb Inlet on Rt.					
19+43.65 = B.C.					
B.M.	10.66	167.54		156.88	1544 Pagel GT. 30' Tie 19+44.32 B.C.
B.M.			8.12	156.96	30' Tie Lt. 19+43.65 156.88
TP	11.56	165.08	0.18	153.52	
19+0					
		153.70			

Station	Lt		℄	Rt			
20+0	157.15 / 10.39 / 15 on Pav	157.41 / 10.13	156.8 / 10.7 / 15: Gut	157.58 / 9.96 / 15: Cb	156.8 / 10.7 / 25		
+75	155.71 / 11.84 / 15 on Pav	156.48 / 11.06	155.44 / 12.10 / 15: Gut / Opening Inlet	156.46 / 11.08 / 15: Cb	156.2 / 11.3 / 22'	155.5 / 12.0 / 25	
19+43.65	156.0 / 11.5 / 25	153.89 / 13.65 / 15 Cb to Drwy	153.84 / 13.70 / 15: Gut	155.14 / 12.40	154.56 / 12.98 / 15: Gut	155.36 / 12.18 / 15: Cb	154.5 / 13.0 / 25
			167.54				
19+0	153.5 / 0.2 / 25'	153.44 / 0.26 / 15: Cb	152.95 / 0.75 / 15: Gut	153.35 / 0.35	152.83 / 0.87 / 15: Gut	153.37 / 0.33 / 15: Cb	152.9 / 0.8 / 25
			153.70				

TP	11.9L	178.87	0.63	166.91	Nail Expansion 21+60
+50					
+25					
21+0					
+75					
+57.53 P.R.C.					
20+25					
		167.54			

Lt			Rt		
165.6 1.9 25	166.07 1.47 15-Cb	165.56 1.98 15-Gut	165.88 1.66	165.4 2.1 15-G	166.02 1.52 15-Cb	165.9 1.6 25
164.0 3.5 25	164.34 3.20 15-Cb	163.85 3.69 15-Gut	164.23 3.31	163.5 4.0 15-G	164.35 3.19 15-Cb	164.0 3.5 25
	162.58 4.96 15-Conc Pav	162.69 4.85	161.99 5.55 15-G	162.70 4.84 15-Cb	162.3 5.2 25	
	161.34 6.20 15-Conc Pav	161.23 6.31	160.6 6.9 15-G	161.26 6.28 15-Cb	160.9 6.6 25	
	160.14 7.40 15-Conc Pav	159.97 7.57	159.3 8.2 15-G	160.06 7.48 15-Cb	159.4 8.1 25	
	158.62 8.92 15-Conc Pav	158.54 9.00	157.9 9.6 15-Gut	158.77 8.77 15-Cb	158.3 9.2 25	
		167.54				

S				
25				
TP	11.35	190.05	0.17	178.70
25+0				
25+25				
25+50				
25+26.5 = End Cb on Rt				
25+90.73 = PRC				
		178.87		

March 14 40

Lt			℄	Rt		
180.7	180.51	180.07	180.60	179.8	180.4	180.4
9.4	9.54	9.98	9.45	10.3	9.7	9.7
25	15 Cb	15 G		15	18	25
			190.05			
178.4	178.47	178.05	178.63	178.1	178.6	178.8
0.5	0.40	0.82	0.24	0.8	0.3	0.1
25	15 Cb	15 G		15	18	25
176.3	176.40	175.87	176.50	175.7	176.3	176.2
2.6	2.47	3.00	2.37	3.2	2.6	2.7
25	15 Cb	15 G		15	18	25
174.3	174.36	173.90	174.31	173.7	174.0	
4.6	4.51	4.97	4.56	5.2	4.9	
25	15 Cb	15 G		15	25	
172.4	172.49	172.01	172.38	171.4	172.35	172.0
6.5	6.38	6.86	6.49	7.5	6.52	6.9
25	15 Cb	15 G		15 G	15 End Cb	25
169.4	169.40	168.96	169.25	168.6	169.24	169.1
9.5	9.47	9.91	9.62	10.3	9.63	9.8
25	15 Cb	15 G		15 G	15 Cb	25
			178.87			

Buenos-Hilda-Elevation Road

	Lt			℄		Rt	
5							
+75	192.1 +2.0 25	189.0 1.1 22	188.72 1.33 15-Cb	188.45 1.60 15-G	188.98 1.07	188.40 1.65 15	188.4 1.7 25
+50	190.8 +0.7 25	187.9 2.2 22	187.81 2.24 15-Cb	187.40 2.65 15-G	187.96 2.09	187.3 2.8 15	187.5 2.6 25
+25	190.9 +0.8 25	186.6 3.5 21	186.78 2.27 15-Cb	186.17 3.88 15-G	186.79 3.26	185.9 4.2 15	186.6 3.5 19	186.7 3.4 25
24+0	189.6 0.5 25	185.1 5.0 22	185.51 4.54 15-Cb	184.85 5.17 15 Gut	185.45 4.60	184.8 5.3 15	185.4 4.7 19	185.5 4.6 25
+75	185.9 4.2 25	183.6 6.5 22	183.99 6.06 15-Cb	183.44 6.61 15-G	183.96 6.09	183.3 6.8 15	183.9 6.2 18	184.1 6.0 25
28+50	182.3 7.8 25	182.40 7.65 15-Cb	181.85 8.20 15-Gut	182.35 7.70	181.7 8.4 15	182.4 7.7 19	182.3 7.8 25

190.05

190.05

+25					
26+01 = B.C. on Lt.					
+64.50 = B.C. on Rt					
+24.85 = E.C.					
BM			10.27	190.01	Lt Hub 25+19[illegible] 189.99
TP	10.13	200.28	0.20	189.85	
2540					
		190.05			

Lt.			Rt		
		192.97 / 7.31 / 15 on Pav.	193.24 / 7.04	192.9 / 7.4 / 15	193.67 / 6.61 / 15:Cb	192.6 / 7.7 / 25
193.3 / 7.0 / 25	192.50 / 7.78 / 15:Cb	191.94 / 8.34 / 15:G	192.26 / 8.02	191.7 / 8.6 / 15	92.77 / 7.51 / 15:Cb	191.7 / 8.6 / 25
191.6 / 8.7 / 25	191.28 / 9.00 / 15:Cb	190.83 / 9.45 / 15:G	191.04 / 9.24	190.4 / 9.9 / 15	191.42 / 8.86 / 15:Cb	190.2 / 10.1 / 25
193.4 / 6.9 / 25	190.2 / 10.1 / 21	190.13 / 10.15 / 15:Cb	189.75 / 10.53 / 15:G	190.33 / 9.95	189.91 / 10.37 / 15 on Pav.	
				200.28		
195.1 / +5.0 / 25	189.5 / 0.6 / 20	189.39 / 0.66 / 15:Cb	189.01 / 1.04 / 15:G	189.78 / 0.27	188.99 / 1.06 / 15 on Pav.	
				190.05		

		Lt	℄	Rt.
+75				
TP	8.59	℄08.44	0.43	199.85
+50				
+25				
27+01.60 = BC.				
+75				
28+50		℄00.28		

200.1 8.4 25	199.64 8.80 15:06	199.2 9.3 15:Cut	200.14 8.30	200.47 7.97 15 on Par	
			℄08.48?		
198.8 1.5 25	198.47 1.81 15:06	198.0 2.3 15 9	199.03 1.35	199.1 1.7 15	197.9 2.4 25 Cut
197.4 2.9 25	197.29 2.99 15 Ended	197.1 3.2 15	197.88 2.40	197.9 2.4 10	196.8 3.5 15
196.4 3.9 25	196.6 3.7 15	195.8 4.5 10	196.76 3.52	195.9 4.4 15	196.50 3.78 15:06
195.04 5.24 15 on Par.			195.53 4.75	194.9 5.4 15	195.45 4.83 15:06
194.39 5.89 15			194.61 5.87	193.8 6.5	194.57 5.71 15:06
			℄00.28		

197.36 2.92 16:06	198.8 1.5 19	198.0 1.3 25		
197.0 3.3 18	196.5 3.8 25			
195.45 4.83 15:06	195.1 5.2 25			
194.57 5.71 15:06	193.8 6.5 25			

29+88.24 = B.C.

+50

29+13 = End Cb on Lt

+63 = End Cb on Lt

+38.24 = B.C. on Rt.

B.M. Set 6.13 202.31 N.E.B.P. Brass bolt in Elevation Rd.

28+13.24 = E.C.

208.44

Lt				Δ		Rt		
205.1 3.3 25	205.9 2.5 17	206.08 3.36 15=Cb	204.6 3.8 15=Gut	206.3 2.1 6	206.53 1.91	206.1 2.3 15=Gut	206.41 2.03 15=Cb	206.9 1.5 25
204.5 3.9 25	204.35 4.09 15=Cb in Dr.	204.0 4.4 15	205.48 2.96	204.9 3.5 15	205.31 2.13 15=Cb	205.7 2.7 25		
203.7 4.7 25	204.21 4.23 15=Cb End	203.6 4.8 15	204.63 3.81	203.9 4.5 15=Gut	204.34 4.10 15=Cb	204.4 4.0 25		
202.9 5.5 25	202.92 5.52 15=Cb End	202.3 6.1 15	203.25 5.19	202.6 5.8 15	203.00 5.44 15=Cb	203.0 5.4 25		
202.2 6.2 25	202.26 6.18 15=Cb	201.5 6.9 15=Gut	202.54 5.90	201.6 6.8 15=Gut	202.26 6.18 15=Cb	202.2 6.2 25		
201.8 6.6 25	201.32 7.12 15=Cb	200.7 7.7 15	201.71 6.73	201.52 6.92 15 on Pav.				

208.44

Cross Section Ellsworth Street
Elevation Road to Monitor

INDEXED
EFB

B.M.	0.66	157.54		156.88	On Elevation Ref. 19+44.32 80 Page 19 CT 30" Tile
TP	1.51	147.39	11.66	145.88	
B.M.	9.03	147.05	9.37	138.02	S.W. B.P. Elevation Ref. Ellsworth 138.10 Page 110
B.M.			3.90	143.15	For Monitor
	0 - 73.5 =	1+26.82 on Monitor			
W			14.8	132.3	
W Cb Top			14.41	132.64	
Gutter on Pav			14.93	132.12	
	0 - 50				
W			11.0	136.1	
W Cb Top			11.49	135.56	
Gutter on Paving			11.96	135.09	
	0 - 25				
W			8.8	138.3	
W Cb Top			9.19	137.86	
Gutter			9.66	137.39	
	0+0 = P.C.C.				
W			7.7	139.4	
Cb			7.37	139.68	
Gutter			7.80	139.25	
℄			6.58	140.47	

147.05

	0+25				
℄			5.62		141.43
Gutter			6.65		140.40
W Cb			6.16		140.89
W			6.3		140.8
	0+56 = P.R.C. on E				
W			6.2		140.9
Cb Top			5.56		141.49
Gutter			6.04		141.01
℄			5.44		141.61
Gutter			5.33		141.72
E Cb			4.87		142.18
E			4.0		143.1
25' N of P.R.C. = Cb Top			4.37		142.68
" Gutter			4.83		142.22
56' N of P.R.C. = Cb Top			2.50		144.55
" " " Gutter			2.91		144.14
	1+0				
E			4.1		143.0
Cb Top			4.80		142.25
Gutter			5.25		141.80

147.05

℄	5.10	141.95
Gutter	5.59	141.46
Cb Top	5.30	141.75
W	5.8	141.3
1+50		
W	5.5	141.6
Cb Top	5.06	141.99
Gutter	5.53	141.52
℄	4.86	142.19
Gutter	4.98	142.07
Cb Top	4.52	142.53
E	4.1	143.0
2+0		
E	4.1	143.0
Cb Top	4.59	142.46
Gutter	5.06	141.99
℄	4.96	142.09
Gutter	5.60	141.45
Cb Top	5.04	142.01
W	5.3	141.8

147.05

2+50

W	5.3	141.8
Cb Top	5.45	141.60
Gutter	5.88	141.17
℄	5.30	141.75
Gutter	5.49	141.56
Cb Top	5.03	142.02
E	4.5	142.6
3+0		
E	3.7	143.4
Cb Top	5.34	141.71
Gutter	5.82	141.23
℄	5.80	141.25
Gutter	6.93	140.62
Cb Top	5.90	141.15
W	6.4	140.7
3+50		
W	7.0	140.1
Cb Top	6.36	140.69
Gutter	6.86	140.19
℄	6.25	140.80

147.05

Cb Top		6.30	140.75
Gutter		5.85	141.20
E		5.8	141.3
	3+89 = BC. on E		
E		6.0	141.1
Cb Top		6.20	140.85
Gutter		6.67	140.38
℄		6.72	140.33
Gutter		7.37	139.68
Cb Top		6.85	140.20
W		7.2	139.9
TP	9.29 147.31	9.03	138.02
	Curve on East		
8'S of BC Cb		6.54	140.77
" " Gutter		7.00	140.31
20'S of BC. Cb Top		5.89	141.42
" S Gutter		6.80	140.51
40'S of BC. Cb Top		4.50	142.81
Gutter		4.99	142.32
60'S of BC. Cb Top		3.13	144.18
" " " " Gutter		3.66	143.65

147.31

75'S of BC. Cb Top		2.20	145.11
75'S Gutter		2.65	144.66
79'S = 17+66.34 on E Elevation on Rd.			
	4+25		
W		9.3	138.0
Cb Top		7.88	139.43
Gutter		8.35	138.96
℄		7.25	140.06
	4+50		
W		9.2	138.1
Cb Top		8.76	138.55
Gutter		9.22	138.09
℄		7.78	139.53
	4+63.21 = PCC		
W		8.6	138.7
Cb Top		9.32	137.99
Gutter		9.77	137.54
℄		8.17	139.14
	4+80		
W		8.9	138.4
Cb Top		10.17	137.14

	147.31			
Gutter		10.64	136.67	
	5+0			
H		9.1	138.2	
Cb Top		11.35	135.96	
Gutter		11.82	135.49	
	5+39.8 =	15+91.82 on Elevation Rd.		

Cross Section Monitor Road

INDEXED EFB on Page 26

BM	0.60	143.75		143.15	
TP	0.09	132.45	11.39	132.36	
	0+12 = End of Existing Curbs & 3' Conc. Gutters				
H			12.0	120.5	
+3			10.8	121.7	
Cb Top			12.24	120.21	
Gutter			12.71	119.74	
℄			12.10	120.35	
Gutter			12.81	119.64	
Cb Top			12.34	120.11	
S			12.0	120.5	
		0+75			
S			6.3	126.2	
Cb Top			7.05	125.40	
Gutter			7.56	124.89	
℄			6.64	125.81	
Gutter			7.20	125.25	
Cb Top			6.72	125.73	
+1			5.3	127.2	
H			4.9	127.6	

Monitor 132.45

1+00

N			1.1	131.4
+7			1.3	131.2
Cb Top			2.67	129.78
Gutter			3.17	129.28
℄			2.83	129.62
Gutter			3.73	128.72
Cb Top			3.24	129.21
S			3.1	129.4
PP	11.60	143.96	0.09	132.36

1+26.82 - P.R.C. of N

S			11.7	132.3
Cb Top			11.29	132.67
Gutter			11.81	132.15
℄			10.99	132.97
Gutter			11.05	132.91
Cb Top			10.54	133.42
+4			9.5	134.5
N			9.9	134.1

143.96

1+50

N			7.4	136.6
+8			7.5	136.5
Cb Top			8.22	135.74
Gutter			8.71	135.25
℄			7.96	136.00
Cb Top			8.56	135.40

1+75

S of Pav.			5.80	138.16
Cb " "			5.27	138.69
℄ " "			5.07	138.89
Gutter "			6.03	137.93
Cb Top			5.58	138.38
+2			4.8	139.2
N			4.8	139.2

2+00

N			2.2	141.8
+8			2.0	142.0
Cb Top			2.87	141.09
Gutter			3.42	140.54
℄ of Pav.			2.66	141.30

		14396			
Cb Line of Pav.			2.57	141.39	
S " " "			3.88	141.08	
TP	11.59	154.74	0.81	143.15	
	2+25				
S on Paving			11.35	143.39	
Cb " "			11.08	143.66	
℄ " "			10.95	143.79	
Gutter "			11.55	143.19	
Cb Top			10.97	143.77	
H			10.6	144.1	
	2+58 - PRC on S				
H on Conc Drive			6.70	148.04	
Cb + Gutter in Drive			8.12	146.62	
℄			7.79	146.95	
Gutter			8.04	146.70	
Cb Top			7.31	147.43	
S			8.0	146.7	
	2+75				
S			6.0	148.7	
Cb Top			5.61	149.13	
Gutter			6.41	148.33	

		154.74			
℄			6.04	148.70	
Gutter			6.40	148.34	
Cb Top			5.80	148.94	
H			5.3	149.4	
	3+0				
H			2.7	152.0	
Cb Top			3.01	151.73	
Gutter			3.56	151.18	
℄			3.21	151.53	
Gutter			3.54	151.20	
Cb Top			2.93	151.81	
S			3.4	151.3	
	3+25				
S			0.1	154.6	
Cb Top			0.29	154.45	
Gutter			0.77	153.97	
℄			0.24	154.50	
Gutter			0.92	153.82	
Cb Top			0.30	154.44	
H			0.0	154.74	
TP	11.76	166.14	0.36	154.38	

	166.14		
	3+50		
N		8.7	157.4
Cb Top		9.02	157.12
Gutter		9.78	156.36
℄		9.07	157.07
Gutter		9.49	156.65
Cb Top		9.11	157.03
S		8.6	157.5
	3+75		
S		6.0	160.1
+8		5.7	160.4
Cb Top		6.47	159.47
Gutter		6.85	159.29
℄		6.38	159.76
Gutter		6.99	159.15
Cb Top		6.33	159.81
N		6.0	160.1
	3+96.5 = PRC to Crown		
N		3.9	162.2
Cb Top		3.96	162.18
Gutter		4.59	161.55

	166.14		
℄		3.95	162.16
Gutter		4.45	161.69 on C.T.
BM Cb Top		4.12	162.02
+2		3.0	163.1
S		3.5	162.6
	4+25		
S Cb on Pave		0.56	165.58
℄ " "		0.56	165.58
Gutter		1.21	164.93
Cb Top		0.47	165.67
N		0.0	166.14
PT	11.78 177.83	0.09	166.05
	4+50		
N		9.4	168.4
Cb Top		9.06	168.77
Gutter		9.65	168.18
℄		9.13	168.70
Cb		9.07	168.76
S		9.34	168.49
	4+75		
S		6.4	171.4

Monitor

		177.83		
Cb			6.6	171.2
℄			5.86	171.97
Gutter			6.5	171.3
Cb Top			4.92	172.91
H			4.7	173.1
	5+0			
H			3.1	174.7
Cb Top			2.91	174.92
Gutter			3.4	174.4
℄			2.80	175.0
Cb			3.3	175.5
S			3.1	174.7
	5+25			
S			0.4	177.4
Cb			1.1	176.7
℄			0.48	177.35
Gutter			1.1	176.7
Cb Top			0.67	177.16
H			0.8	177.0
TP	3.48	180.90	0.41	177.42

		180.90		
	5+50			
H			2.5	178.4
Cb Top			2.30	178.60
Gutter			2.7	178.2
℄			2.04	178.86
Cb			2.4	178.5
S			1.70	179.20
	5+75			
S			1.6	179.3
Cb			1.7	179.1
℄			1.44	179.36
Gutter			2.2	178.6
Cb Top			1.57	179.23
H			2.0	178.9
	6+0			
H			2.4	178.5
Cb Top			1.60	179.30
Gutter			2.4	178.4
℄			1.76	179.14
Cb			2.1	178.8
S			1.6	179.3

180.90

6+75

S	2.0	178.9
Cb	2.6	178.3
℄	2.47	178.43
Gutter	3.1	177.8
Cb Top	3.33	178.57
N	3.0	177.9

6+50

N	4.1	176.8
Cb Top	3.11	177.79
Gutter	4.0	176.9
℄	3.31	177.59
Cb	3.5	177.4
S	3.3	177.6

6+75

S	4.2	176.7
Cb	4.4	176.5
℄	4.2	176.7
Gutter	4.6	176.3
Cb Top	3.87	177.03
N	6.0	174.9

180.90

7+08.79 = EC

N	8.2	172.7
+5	5.8	175.1
Cb Top	4.46	176.44
Gutter	5.2	175.7
℄	4.9	176.0
Gutter	4.9	176.0
Cb Top = End	4.32	176.58
S	4.4	176.5

7+55 = ℄ 20' Cb Inlet on N

S	5.3	175.6
+7	5.4	175.5
Cb Top	4.27	176.63
Gutter	4.8	176.1
℄	4.97	175.93
Gutter = ℄ 20' Cb Inlet on Grating	5.76	175.14
Cb Top	4.74	176.16
+2	5.0	175.9
N	7.8	173.1

7+83.79 = BC to Onstad

N	5.7	175.2
+5	4.2	176.7

Monitor		180.90			
Cb Top			4.43	176.47	
Gutter			5.2	175.7	
℄			4.74	176.16	
Gutter			4.4	176.5	
Cb Top			3.88	177.02	
S			5.0	175.9	
	8+84.09 = B.C. Rt.				
S			0.0	180.9	
Cb			0.53	180.37	
Gutter			0.9	180.0	
℄			0.23	180.67	
Gutter			1.1	179.8	
Cb Top			0.55	180.35	
H			0.7	180.2	
BM			3.23	177.67	B.P. Porch Cor N.W. Osmstad + Fairview 177.64
TP	11.85	192.43	0.32	180.58	
	9+0				
H			8.7	183.7	
+2			10.2	182.2	
Cb Top			11.00	181.43	
Gutter			11.5	180.9	
℄			10.66	181.77	

		192.43		
+7			10.4	182.0
Gutter			11.6	180.8
Cb Top			10.89	181.54
S			10.2	182.2
	9+25			
S			8.6	183.8
+6			8.6	183.8
Cb			9.15	183.28
Gutter			9.7	183.7
+7			8.63	183.80
℄			8.76	183.67
Gutter			9.9	182.5
Cb Top			9.29	183.14
H			8.8	183.6
	9+50			
H			7.6	184.8
Cb Top			7.59	184.84
Gutter			8.3	184.1
℄			7.13	185.30
+7			6.94	185.49
Gutter			7.9	184.5
Cb Top			7.50	184.93

		192.43		
S			6.7	185.7
	9+75			
S			5.3	187.1
Cb Top			5.79	186.64
Gutter			6.4	186.0
+9			5.29	187.14
℄			5.56	186.87
Gutter			6.5	185.9
Cb Top			5.80	186.63
N			6.3	186.1
	10+0			
N			5.0	187.4
Cb Top			4.25	188.18
Gutter			4.9	187.5
℄			4.13	188.30
+6			3.96	188.47
Gutter			5.2	187.2
Cb Top			4.25	188.18
S			3.7	188.7
	10+25			
S			2.4	190.0

		192.43		
Cb Top			2.78	189.65
Gutter			3.6	188.8
+9			2.5	189.9
℄			2.70	189.73
Gutter			3.5	188.9
Cb Top			2.78	189.65
N			3.2	189.2
	10+50			
N			1.4	191.0
Cb Top			1.48	190.95
Gutter			2.0	190.4
℄			1.24	191.19
+7			1.06	191.37
Gutter			2.2	190.2
Cb Top			1.34	191.09
S			1.2	191.2
TP		8.15 200.14	0.44	191.99
	10+75			
S			7.6	192.5
Cb Top			7.82	192.32
Gutter			85	191.6

	200.14		
+8		7.51	192.63
℄		7.60	192.57
Gutter		8.5	191.6
Cb Top		7.94	192.20
H		7.7	192.4
	10+96.78 - EC		
H		6.8	193.3
Cb Top		7.04	193.10
Gutter		7.8	192.3
℄		6.56	193.58
+7		6.46	193.68
Gutter		7.4	192.7
Cb Top		6.86	193.28
S		6.4	193.7
	11+25		
S		5.6	194.5
Cb Top		5.71	194.43
Gutter		6.2	193.9
+9		5.26	194.88
℄		5.42	194.72
Gutter		6.4	193.7
Cb Top		5.92	194.22

	200.14		
H		5.6	194.5
	11+50		
H		5.2	194.9
Cb		5.12	195.02
Gutter		5.7	194.4
℄		4.55	195.59
+6		4.42	195.70
Gutter		5.5	194.6
Cb Top		4.84	195.30
S		4.3	195.8
	11+75		
S		3.8	196.3
Cb Top		4.07	196.07
Gutter		4.6	195.5
℄		4.00	196.14
Gutter		5.0	195.1
Cb Top		4.47	195.67
H		4.9	195.2
	12+0		
H		4.6	195.5
+8		4.4	195.7

Monitor			
	△00.14		
Cb Top	3.93	196.22	
Gutter	4.8	195.3	
℄	3.87	196.27	
Gutter	4.2	195.9	
Cb Top	3.58	196.56	
+3	4.0	196.1	
S	3.6	196.5	
12+25			
S	3.6	196.5	
+7	4.3	195.8	
Cb Top	3.23	196.91	
Gutter	4.0	196.1	
℄	3.93	196.21	
Gutter	4.4	195.7	
Cb Top	3.60	196.54	
+3	4.6	195.5	
N	4.6	195.5	
12+50			
N	4.4	195.7	
+8	4.2	195.9	
Cb Top	3.37	196.77	

	△00.14		
Gutter	4.4	195.7	
℄	3.98	196.16	
Gutter	4.0	196.1	
Cb Top	3.89	197.25	
+2	4.3	195.8	
S	3.7	196.4	
12+74.78 = 3C. to Plain View			
S	3.9	197.2	
+7	3.3	196.8	
Cb Top	3.55	197.59	
Gutter	3.6	196.5	
℄	3.66	196.48	
Gutter	4.1	196.0	
Cb Top	3.1	197.0	
N	3.9	196.2	C.T. ℄ Monitor N Cb Plain View
BM	2.63	197.51	

Cross Section Everview Road
Dorcas St to Cushman

March 18-40
Sisson
Northern
H Moore
B.P. Hildot

BM	6.89	84.76		77.87	Dorcas
	0-70.48 = 6+96.20 Dorcas				
SECb Top			10.73	74.03	
Gutter			11.52	73.24	
		0-50			
SECb Top			10.76	74.00	
Gutter			11.56	73.20	
		0-25			
SCb Top			9.54	75.22	
Gutter			10.1	74.65	
		0+0 = CbEC on Dorcas			
S			6.9	77.9	
Cb Top			7.00	77.76	
Gutter			7.6	77.2	
℄			7.49	77.27	
Cb			7.8	77.0	
N			6.7	78.1	
		0+25			
N			3.7	81.1	
Cb			5.0	79.8	
℄			4.53	80.23	

INDEXED
EFB

		84.76			
Gutter			4.5	80.3	
Cb			4.12	80.64	
S			3.9	80.9	
	0+50				
S			1.3	83.5	
Cb			1.33	83.43	
Gutter			1.9	82.9	
℄			1.74	83.04	
Cb			1.9	82.9	
N			0.0	84.8	
TP	11.75	96.23	0.28	84.48	
	0+86.84 = BC				
N			9.3	86.9	
Cb			9.7	86.5	
℄			9.44	86.79	
Gutter			9.10	87.13	
Cb Top			8.53	87.70	
+1			9.0	87.2	
S			8.9	87.3	

		96.33		
	1+25			
S		5.0	91.2	
+9		5.0	91.2	
Cb Top		4.20	92.03	
Gutter		4.9	91.3	
℄		5.02	91.21	
+11		5.8	90.4	
Cb		5.1	91.1	
H		5.2	91.0	
	1+50			
H		2.4	93.8	
Cb		2.9	93.3	
℄		2.18	94.05	
Gutter		2.0	94.2	
Cb Top		1.42	94.81	
+1		1.8	94.4	
S		1.8	94.4	
TP	11.72	107.70 0.25	95.98	
	1+75			
S		10.7	97.0	
Cb		10.06	97.64	

		107.70		
Gutter		10.6	97.1	
℄		10.38	97.32	
Cb		10.96	96.74	
H		11.6	96.1	
	2+11 = End Curb 0.05			
H		6.12	101.58	
Cb		5.80	101.90	
℄		5.63	102.07	
Gutter		5.7	102.0	
Cb Top x End		5.44	102.26	
S		5.5	102.2	
TP	11.87	119.24 0.33	107.37	
	2+50			
S		10.7	108.5	
+8		11.1	108.1	
Cb		11.5	107.7	
℄		10.85	108.39	
Cb		11.13	108.11	
H		11.2	108.0	

Evervieu

119.24

2+75

N		6.7	112.5	
Cb		6.5	112.7	
℄		6.23	113.01	
Cb		7.1	112.1	
+3		6.3	112.9	
S		6.0	113.2	

3+0

S		1.4	117.8	
+8		1.5	117.7	
Cb		1.6	117.6	
℄		1.13	118.11	
Cb		1.59	117.65	
N		2.1	117.1	
TP	11.85	130.69	0.40	118.84

Return on N B.C. = 0+0

B.C. Top Cb		2.77	127.92	
Gutter		3.37	127.32	

0+11

Cb Top		5.13	125.56	
Gutter		5.68	125.01	

130.69

0+21.97

Cb Top		7.62	123.07	
Gutter		8.1	122.3	

0+43.93

Cb Top		10.73	119.96	
Gutter		11.5	119.2	

0+65.90

Cb Top		11.32	119.37	
Gutter		12.1	118.6	

0+87.86 = EC on Dorcas

Cb Top		9.65	121.04	
Gutter		10.2	120.5	

8+41.43 = Cb BC on N

N		3.1	127.6	
Cb Top		2.77	127.92	
Gutter		3.37	127.32	
℄		3.57	128.12	
Cb		3.7	128.0	
S		1.8	128.9	
TP	11.70	142.23	0.16	130.53

		142.23			
		3+60 = End Cb on S			
S			9.5	132.7	
+8			9.6	132.6	
Cb Top = End + Gutter			10.34	131.89	
℄			10.16	132.07	
Gutter			10.82	131.41	
Cb Top			9.97	132.26	
N			10.6	131.6	
		3+85			
N			4.8	137.4	
Cb Top			5.71	136.52	
Gutter			6.28	135.95	
℄			5.90	136.33	
+12			5.8	136.4	
Gutter			6.7	135.5	
Cb Top			6.20	136.03	
+2			5.4	136.8	
S			5.0	137.2	
		4+10.5 = End cb on S			
S			1.8	140.4	
+8			2.2	140.0	

		142.23			
Cb Top			2.89	139.34	
Gutter			3.3	138.9	
+2			2.8	139.4	
℄			2.68	139.55	
Gutter			3.02	139.21	
Cb Top			2.26	139.97	
N			1.9	140.3	
		4+25			
N			0.5	141.7	
Cb Top			0.91	141.32	
Gutter			1.91	140.32	
℄			1.46	140.77	
Cb			1.7	140.5	
+3'			1.0	141.2	
S			0.6	141.6	
TP	11.93	153.67	0.44	141.74	
		4+50			
S			10.9	142.8	
Cb			11.3	142.4	
℄			11.10	142.57	

Evervich

153.67

Gutter		11.55	142.12
Cb Top		10.69	142.98
H		11.0	142.7
	4+61.98 = P.R.C.		
H		10.2	143.5
Cb Top		10.08	143.59
Gutter		10.78	142.89
℄		10.40	143.27
Gutter		10.8	142.9
Cb = End		10.54	143.13
S		10.5	143.2
	4+75		
S		10.2	143.5
Cb Top		9.94	143.73
Gutter		10.3	143.4
℄		9.73	143.94
Gutter		10.15	143.52
Cb Top		9.59	144.08
H		9.4	144.3

153.67

	5+0		
H		8.3	145.4
Cb Top		8.54	145.13
Gutter		9.09	144.58
℄		8.65	145.02
Gutter		9.4	144.3
Cb Top		8.95	144.72
S		9.6	144.1
	5+25		
S		8.9	144.8
Cb Top		7.76	145.91
Gutter		8.4	145.3
℄		7.80	145.87
Gutter		8.32	145.35
Cb Top		7.55	146.12
H		7.4	146.3
	5+42.7 = Cb End of S		
H		6.9	146.8
Cb Top		6.83	146.84
Gutter		7.63	146.04

153.67

℄	7.09	146.58
Gutter	8.0	145.7
Cb Top: End	7.01	146.66
S	7.4	146.3
5+75		
S	6.4	147.3
Cb	6.1	147.6
℄	5.55	148.12
Gutter	5.97	147.70
Cb Top	5.18	148.49
N	5.6	148.1
5+89 = End Cb on S		
N	4.9	148.8
+5	4.8	148.9
Cb Top	4.29	149.38
Gutter	5.06	148.61
℄	4.80	148.87
Gutter	5.2	148.5
Cb Top: End	4.27	149.40
S	5.5	148.2

153.67

6+0		
S	4.8	148.9
+6	4.4	149.3
Cb Top	3.60	150.07
Gutter	4.4	149.3
℄	4.06	149.61
Gutter	4.40	149.27
Cb Top	3.56	150.11
+4	4.1	1496
N	4.1	1496
6+25		
N	2.3	151.4
+6	2.1	151.6
Cb Top	1.58	152.09
Gutter	2.5	151.2
℄	2.09	151.58
Gutter	2.3	151.4
Cb Top	1.48	152.19
+3	2.1	1516
S	2.5	151.2

153.67

6+39 = End Cb on S

S Cb Top			0.15	153.52
TP	11.98	165.50	0.15	153.52
	6+50			
S			11.8	153.7
Cb			11.9	153.6
℄			11.50	154.00
Gutter			12.00	153.50
Cb Top			11.04	154.46
+4			11.8	153.7
N			11.9	153.6
	6+75			
N			9.1	156.4
+6			9.0	156.5
Cb Top			8.26	157.24
Gutter			9.40	156.10
℄			8.62	156.88
Cb			8.3	157.2
S			8.8	156.7

165.50

7+0

S			5.3	160.2
Cb			5.2	160.3
℄			5.20	160.30
Gutter			6.17	159.33
Cb Top			5.17	160.33
N			5.9	159.6
	7+31.67 = EC			
N			0.8	164.7
Cb Top			1.11	164.39
Gutter			1.60	163.90
℄			1.00	164.50
Cb			1.3	164.2
S			1.1	164.4
TP	11.75	176.82	0.43	165.07
	7+50			
S			10.0	166.8
Cb			10.1	166.7
℄			9.95	166.87
Gutter			10.4	166.4
Cb Top			10.07	166.75

Fiberview		176.82			
N			9.8	167.0	
	7+75				
N			7.2	169.6	
Cb Top			7.07	169.75	
Gutter			7.8	169.0	
℄			7.18	169.64	
Cb			7.23	169.59	
S			7.0	169.8	
	8+03.2 = End Cb on S				
Scb Top			3.25	173.57	
Gutter			4.0	172.8	
	8+06.67 = Cb BC				
S			2.7	174.1	
Cb Top			2.84	173.98	
Gutter			3.6	173.2	
℄			4.16	172.72	
Gutter			4.4	172.4	
Cb Top			3.62	173.20	
+2			4.3	172.5	
N			3.8	173.0	

		176.82			
TP	11.96	187.26	1.52	175.30	
BM			9.62	177.64	B.P.S. Cor Ford Odstad + Fiberview 177.64
	9+09.07 = BC				
N			10.1	177.2	
Cb			9.63	177.63	
Gutter			9.7	177.6	
℄			8.78	178.48	
Gutter			8.7	178.6	
Cb Top			8.58	178.68	
S			8.3	179.0	
	9+25				
S			7.8	179.5	
+8			7.9	179.4	
Cb Top			8.37	178.89	
Gutter			8.5	178.8	
℄			8.07	179.19	
Gutter			9.0	178.3	
Cb Top			8.92	178.34	
N			9.5	177.8	

18726

9+50

N	7.9	179.4
Cb Top	7.86	179.40
Gutter	8.0	179.3
℄	7.04	180.22
Gutter	7.8	179.5
Cb Top	7.46	179.80
+2	7.0	180.3
S	6.8	180.5

9+75

S	5.8	181.5
+8	5.9	181.4
Cb Top	6.49	180.77
Gutter	6.7	180.6
℄	5.98	181.28
Gutter	7.1	180.2
Cb Top	6.89	180.37
N	6.5	180.8

9+94.5=Cb End on S

S Cb Top	5.73	181.53
Gutter	5.9	181.4

18726

10+0

N Conc Drive	6.01	181.25
Cb in Drive & Gutter	6.56	180.70
℄	5.23	182.03
Cb	5.9	181.4
S	5.3	182.0

10+25

S	4.9	182.4
Cb	4.9	182.4
℄	4.66	182.60
Gutter	5.8	181.5
Cb Top	5.30	181.96
N	5.6	181.7

10+44.7=End Cb on S

S Cb Top End	4.4.7	182.79
Gutter	4.8	182.5

10+50

N	5.4	181.9
Cb Top	4.80	182.46
Gutter	5.2	182.1

	187.26		
℄	4.30	182.96	
Gutter	4.6	182.7	
Cb Top	4.41	182.85	
S	4.4	182.9	
	10+75		
S	4.0	183.3	
Cb Top	4.24	183.02	
Gutter	4.5	182.8	
℄	4.05	183.21	
Gutter	5.0	182.3	
Cb Top	4.73	182.53	
N	4.5	182.8	
	11+05 : End Cb of N		
N	4.7	182.6	
Cb Top : End	4.97	182.29	
Gutter	5.4	181.9	
℄	4.39	182.87	
Gutter	4.7	182.6	
Cb Top	4.46	182.80	
S	4.0	183.3	

	187.26		
	11+25		
S	4.3	183.0	
Cb Top	4.89	182.37	
Gutter	5.3	182.0	
℄	5.20	182.06	
Cb	5.8	181.5	
N	5.8	181.5	
	11+50		
N	7.2	180.1	
Cb	7.0	180.3	
+5	7.2	180.1	
℄	6.23	181.03	
Gutter	6.4	180.9	
Cb Top	5.76	181.50	
S	5.7	181.6	
	11+75		
S	6.7	180.6	
Cb Top	6.52	180.74	
Gutter	7.4	179.9	
℄	7.31	179.95	

187.26

+10	8.1	179.2
Cb	7.9	179.4
N	8.2	179.1
11+98.99 = E.C.		
N	8.5	178.8
Cb	7.9	179.4
+5	8.4	178.9
℄	7.86	179.40
Gutter	8.1	179.2
Cb Top	7.03	180.23
S	7.6	179.7
12+25		
S	7.5	179.8
Cb Top	7.29	179.97
Gutter	8.3	179.0
℄	7.94	179.32
+10	8.7	178.6
Cb	8.2	179.1
N	8.5	178.8

187.26

12+50

N	8.0	179.3
Cb	8.0	179.3
+2	8.3	179.0
℄	7.50	179.83
Gutter	7.6	179.7
Cb Top	7.20	180.06
S	7.1	180.2
12+75		
S	6.4	180.9
Cb Top	6.81	180.45
Gutter	7.1	180.2
℄	6.75	180.51
Cb	7.5	179.8
N	8.1	179.2
13+0		
N	7.3	180.0
Cb	6.6	180.7
℄	5.93	181.33
Gutter	6.3	181.0

		187.26			
Cb			6.10	181.16	
S			5.6	181.7	
		13+23.99 = B.C. on			
S			4.4	182.9	
Cb Top			4.90	182.36	
Gutter			5.2	182.1	
℄			4.83	182.43	
Gutter			5.5	181.8	
Cb Top			5.05	182.21	
H			5.5	181.8	
		13+48.99 = B.C.			
H			3.9	183.4	
Cb Top = End			3.32	183.94	
Gutter			3.8	183.5	
℄			3.35	183.91	
Gutter			3.6	183.7	
Cb Top			3.23	184.03	
S			2.8	184.5	
TP	11.84	197.76	1.34	185.92	

		197.76			
	13+70				
S			11.7	186.1	
Cb Top			11.83	185.93	
Gutter			12.4	185.4	
℄			11.73	186.03	
Cb			12.2	185.6	
H			12.0	185.8	
		13+82 = End Cb on H			
H Cb = End			10.54	187.22	
Gutter			11.2	186.6	
		13+90			
H			10.0	187.8	
Cb Top			9.89	187.87	
Gutter			10.5	187.3	
℄			9.90	187.86	
Gutter			10.4	187.4	
Cb Top			10.00	187.76	
℄			9.6	188.2	
S			9.8	188.0	

197.76

14+10

S	8.3	189.5
Cb Top	8.30	189.46
Gutter	8.8	189.0
℄	7.9	189.9
Gutter	8.7	189.1
Cb Top	7.92	189.84
N	7.7	190.1

14+30

N	5.8	192.0
Cb Top	6.29	191.47
Gutter	6.6	191.2
℄	6.11	191.65
Gutter	7.5	190.3
Cb Top	6.85	190.91
S	7.0	190.8

14+43.24 = EC

S W	6.1	191.7
Cb Top	6.07	191.69
Gutter	6.7	191.1

197.76

℄	5.10	192.66
Gutter	5.4	192.4
Cb Top	5.10	192.66
N E	4.7	193.1

14+75

N E	3.4	194.4
Cb Top	3.69	194.07
Gutter	3.9	193.9
℄	3.40	194.36
Gutter	4.8	193.0
N	4.35	193.41
℄	3.9	193.9
S W	4.4	193.4

14+93.7 = End Cb on E

E Cb Top	3.06	194.70
Gutter	3.5	194.3

15+0

S W	3.7	194.1
Cb Top	3.33	194.43
Gutter	3.8	194.0

		197.76						
℄			2.56	195.20				
Cb			3.0	194.8				
NE			2.5	195.3				
	15+25							
E			3.0	195.8				
Cb			3.2	195.6				
℄			1.95	195.81				
Gutter			3.0	194.8				
Cb Top			2.54	195.22				
W			3.2	194.6				
	15+50							
W			2.4	195.4				
Cb Top			1.98	195.78				
Gutter			3.6	195.2				
℄			1.48	196.28				
Cb			1.7	196.1				
E			1.5	196.3				
	15+68.76 - B.C. on W							
E			1.2	196.6				
Cb			1.4	196.4				

		197.76						
℄			1.12	196.64				
Gutter			2.2	195.6				
Cb Top			1.60	196.16				
W			1.8	196.0				
TP	9.09	20656	0.29	197.47	C.T. & Monitor E. Cb Plain Vie			
	S W Return on Monitor							
	18.33 S W B.C.							
Cb Top			10.04	196.52				
Gutter			10.8	195.8				
	36.66 S W							
Cb Top			9.68	196.88				
Gutter			10.6	196.0				
	54.98 S W - E.C. on Monitor							
Cb Top			9.57	196.99				
Gutter			10.6	196.0				
	S E Return							
B.C. on Monitor			9.01	197.55				
Gutter			10.1	196.5				
	18.33 N E							
C.b			8.82	197.74				
Gutter			9.8	196.8				

	206.56		
	56.66 Rt E.		
Cb		8.55	198.01
Gutter		9.3	196.3
	5+98 Rt E. = E.C. on Plainview = 16+68.76		
Cb		8.28	198.28
Gutter		8.8	197.8
	15+94 = End Cb on E		
W		10.6	196.0
Cb		10.2	196.4
℄		9.47	197.09
Gutter		9.8	196.8
Cb Top = End		9.63	197.03
E		9.6	197.0
	16+78.76 = ℄ Monitor		
E		9.0	197.6
Cb Top		9.09	197.47
Gutter		9.5	197.1
℄		8.98	197.58
Cb		9.25	197.31
W		9.58	196.98

	206.56		
	16+43.76		
W		9.6	197.0
Cb		9.0	197.6
℄		8.61	197.95
Gutter		9.2	197.4
Cb Top		8.6	198.0
E		8.6	198.0
	16+68.76 = E.C. on W		
E		8.2	198.4
Cb Top		8.19	198.37
Gutter		8.8	197.8
℄		8.11	198.45
Gutter		8.8	197.8
Cb Top		8.28	198.28
W		8.1	198.5
	17+0		
W		7.6	199.0
Cb Top		7.57	198.99
Gutter		8.2	198.4
℄		7.38	199.18

	206.56		
Gutter	8.2	198.4	
Cb Top	7.52	199.04	
E	7.7	198.9	
	17+25		
E	7.4	199.2	
+9	7.5	199.1	
Cb Top	6.85	199.71	
Gutter	7.6	199.0	
℄	6.98	199.58	
Gutter	7.7	198.9	
Cb Top	6.86	199.70	
+3	7.5	199.1	
W	7.4	199.2	
	17+50		
W	7.2	199.4	
+8	7.0	199.6	
Cb Top	6.02	200.54	
Gutter	7.2	199.4	
℄	6.43	200.13	
Gutter	6.9	199.7	
Cb Top	5.98	200.58	

	206.56		
E	6.6	200.0	
	17+75		
E	6.0	200.6	
+9	5.9	200.7	
Cb Top	5.00	201.6	
Gutter	6.1	200.5	
℄	5.64	200.92	
Gutter	6.2	200.4	
Cb Top	5.03	201.53	
+2	6.4	200.2	
W	6.3	200.3	
	18+0		
W	4.9	201.7	
+8	4.8	201.8	
Cb Top	3.97	202.59	
Gutter	5.0	201.6	
℄	4.36	202.20	
Gutter	4.8	201.8	
Cb Top	3.95	202.61	
+1	4.6	202.0	
E	4.5	202.1	

206.56

18+18.67 = B.C. on W

E		3.3	203.3
Cb Top		3.13	203.43
Gutter		3.9	202.7
℄		3.00	203.56
Gutter		3.8	202.8
Cb Top		3.09	203.47
W		3.3	203.3

18+43.5 = End Cb on E

W		1.9	204.7
Cb		1.3	205.3
℄		1.13	205.43
Gutter		2.3	204.3
Cb Top = End		1.94	204.62
+2		1.6	205.0
E		1.5	205.1
TP	10.00	0.76	205.80

215.80

S W Return Elevation Rd

18.33 S W of B.C.

Cb Top		1.52	204.28
Gutter		1.7	204.1

215.80

36.66 S W

Cb Top		10.90	204.90
Gutter		11.1	204.7

54.98 S W = E.C. on Elevation

Cb Top		10.70	205.10
Gutter		11.2	204.6

S E Return

B.C. on Elevation

Cb Top		9.38	206.42
Gutter		9.6	206.2

18.33 N E

Cb Top		8.68	207.12
Gutter		90	206.8

36.66 N E

Cb Top		7.95	207.85
Gutter		8.0	207.8

54.98 N.E. = E.C. on Elevation = 19+18.67

Cb Top		7.24	207.56
Gutter		7.5	208.3

215.80

18+68.67 = ℄ Elevation Rd

E		9.3	206.5
Cb		9.6	206.2
℄		8.72	207.08
Cb		8.6	207.2
M		8.9	206.9
	18+93.67		
M		8.4	207.4
Cb		8.2	207.6
℄		8.42	207.38
Cb		8.2	207.6
E		7.9	207.9
	19+18.67 = E Con M		
E		6.5	209.3
Cb		6.7	209.1
℄		6.50	209.30
Gutter		7.5	208.3
Cb Top		7.24	208.56
M		7.1	208.7

215.80

19+50

M		6.9	208.9
+9		6.3	209.5
Cb Top		5.97	209.83
Gutter		6.4	209.4
℄		5.64	210.16
Cb		6.0	209.8
E		5.6	210.2
	19+75		
E on Conc Dr		4.05	211.75
+ 7' = M by Conc Apron		4.56	211.24
Cb		5.2	210.6
℄		4.83	210.97
Gutter		5.7	210.1
Cb Top		4.98	210.82
+1		5.6	210.2
M		5.2	210.6
	20+0		
M		4.4	211.4
+9		4.6	211.2

	215.80		
Cb Top	3.97	211	83
Gutter	4.8	211	0
℄	3.90	211	90
Cb	4.4	211	4
F	3.8	212	0
	20+25		
F	5.0	212	8
Cb	3.2	212	6
℄	3.02	212	78
Gutter	3.7	212	1
Cb Top	2.95	212	85
+1	3.6	212	2
W	3.3	212	5
	20+44 = End Cb on F		
W	2.8	213	0
+8	3.0	212	8
Cb Top	2.39	213	41
Gutter	3.0	212	8
℄	2.38	213	42
Gutter	2.8	213	0

	215.80		
Cb Top = End	2.44	213	36
F	2.4	213	4
	20+95		
F	2.2	213	6
Cb Top	1.89	213	91
Gutter	2.4	213	4
℄	1.92	213	88
Gutter	2.5	213	3
Cb Top	1.87	213	93
W	2.1	213	7
	21+04.4 = End Cb on W		
W	2.3	213	5
Cb Top = End	1.96	213	84
Gutter	2.7	213	1
℄	2.07	213	73
Gutter	2.6	213	2
Cb Top	1.92	213	88
+1	2.4	213	4
F	2.2	213	6

Δ15.8°

21+42 = End Cb on F

F Cb Top	2.49	213.31	
Gutter	2.1	212.7	

21+46.07 = BC on H

F	3.0	212.8	
Cb	3.5	212.3	
Δ	3.80	213.00	
Cb	3.5	212.3	
H	3.2	212.6	
			End Cb on F
BM	2.49	213.31	21+42

Cross Section Oostad St
Elevation Road to Dorcas St.

INDEXED
EFB

BM	0.83	203.14		202.31	N.E.B.P. Brownell + Elevation
	S.W. Return Oostad + Elevation				
	B.C. on Elevation = 26+01				
Cb Top			10.67	192.47	
Gutter			11.21	191.93	
	18.33' W of B.C.				
Cb Top			10.09	193.05	
Gutter			10.55	192.59	
	36.66' W of B.C.				
Cb Top			9.40	193.74	
Gutter			10.10	193.04	
	54.98' W of B.C. = E.C. on Oostad = 0+25				
Cb Top			9.27	193.87	
Gutter			10.08	193.06	
	0+0 = N.L. Elevation Rd.				
S			10.25	192.89	
Cb			9.89	193.25	
℄			9.07	194.07	
Cb			8.7	194.4	
N			8.5	194.6	

		203.14			
		0+25 = E.C.			
N			9.0		194.1
Cb			9.8		193.3
℄			9.75		193.39
Gutter			10.08		193.06
Cb Top			9.26		193.88
S			9.0		194.1
		0+50			
S			10.0		193.1
Cb Top			10.50		192.64
Gutter			11.16		191.98
℄			11.05		192.09
Cb			11.2		191.9
N			10.3		192.8
TP	0.90	192.06	11.98	191.16	
		0+75			
N			1.3		190.8
Cb			1.8		190.3
℄			1.98		190.08
Gutter			2.34		189.72

192.06

Cb Top	1.81	190.25	
S	0.6	191.5	
1+00 = End Cb on N			
S	3.8	188.5	
Cb Top	4.53	187.53	
Gutter	4.98	187.08	
℄	4.34	187.72	
Gutter	4.7	187.4	
Cb Top End	4.17	187.89	
N	3.5	188.6	
1+25			
N	6.9	185.2	
Cb Top	6.90	185.16	
Gutter	7.4	184.7	
℄	7.04	185.02	
Gutter	7.5	184.6	
Cb Top	7.20	184.86	
S	7.2	184.9	
1+50			
S	10.2	181.9	

192.06

Cb Top		9.91	182.15	
Gutter		10.4	181.7	
℄		9.70	182.36	
Gutter		10.0	182.1	
Cb Top		9.49	182.57	
N		9.4	182.7	
TP	2.73	183.25	11.54	180.52
1+75 = B.C. Monitor				
N		2.8	180.5	
Cb Top		3.27	179.98	
Gutter		3.5	179.8	
℄		3.24	180.01	
Gutter		4.20	179.05	
Cb Top		3.72	179.53	
S		4.3	179.0	
S E Return				
18.335 of BL on Onstad				
Cb Top		5.13	178.12	
Gutter		5.7	177.6	

Ostad St.

183.25		
36.66 S of B.C.		
cb Top	5.93	177.32
Gutter	6.5	176.8
54.98 S = E.C. on Monitor		
cb Top	6.29	176.96
Gutter	6.8	176.5
NE. Return		
18.33 N of B.C. on Ostad		
Cb Top	4.37	178.88
Gutter	4.0	179.3
36.66 N of B.C.		
cb Top	4.22	179.03
Gutter	4.0	179.3
54.98 N of B.C. = E.C. on Monitor		
cb Top	2.96	180.29
Gutter	3.3	180.0
2+25 = L Monitor		
S	6.50	176.75
cb	6.10	177.15
L	5.24	177.91

183.25		
cb	4.67	178.58
N	4.14	179.11
NW Return		
B.C. on Monitor		
cb Top	2.97	180.28
Gutter	3.5	179.8
18.33 S		
Cb Top	4.32	178.93
Gutter	4.6	178.7
36.66 S		
cb Top	5.16	178.09
Gutter	5.2	178.1
54.98 SW = E.C. = 2+75		
Cb Top	5.05	178.20
Gutter	5.5	177.8
SW Return		
B.C. = 2+75		
Cb Top	5.12	178.13
Gutter	6.0	177.3

	18325		
	18.33 S.E. of B.C.		
Cb Top	5.80	177.45	
Gutter	6.5	176.8	
	36.66 S.E. of B.C.		
Cb Top	6.37	176.88	
Gutter	7.0	176.3	
	54.98 S.E. = E.C. on Monitor		
Cb Top	6.86	176.39	
Gutter	7.6	175.7	
	2+25 = E.C.		
℄	4.7	178.6	
Cb Top	5.05	178.20	
Gutter	5.5	177.8	
℄	5.36	177.89	
Gutter	6.0	177.3	
Cb Top	5.12	178.13	
+1	5.7	177.6	
S	6.5	176.8	
	3+10		
S	6.0	177.3	
+8	4.7	178.6	

	18325		
Cb Top	4.47	178.78	
Gutter	5.1	178.2	
℄	4.72	178.43	
Gutter	4.9	178.4	
Cb Top	4.40	178.85	
+1	4.8	178.5	
N	4.4	178.9	
	3+25		
N	3.9	179.4	
+9	4.3	179.0	
Cb Top	4.01	179.24	
Gutter	4.5	178.8	
℄	4.13	179.12	
Gutter	4.6	178.7	
Cb Top	4.19	179.06	
+8	4.5	178.8	
S	4.9	178.4	
	3+50 = End Cb on ℄		
S	4.5	178.8	
Cb Top + End	4.04	179.21	
Gutter	4.4	178.9	

Onstad St.

	183.25		
℄	3.73	179	52
Gutter	4.2	179	1
Cb Top	3.80	179	45
+1	4.1	179	2
H	3.6	179	7
	3+75		
H	3.2	180	1
Cb Top	3.71	179	54
Gutter	4.1	179	2
℄	3.64	179	61
Cb	4.1	178	9
S	4.0	179	3
	3+88 = End Cb		
S Cb = End	4.30	178	95
Gutter	4.6	178	7
	4+0		
S	4.4	178	9
cb Top	4.52	178	73
Gutter	4.8	178	5
℄	3.90	179	35

	183.25		
Gutter	4.3	179	0
Cb Top	3.93	179	32
+1	4.2	179	1
H	3.8	179	5
	4+25 = B.C. Eyebrow		
H	4.1	179	2
+9	4.6	178	7
Cb Top	4.30	178	95
Gutter	4.7	178	6
℄	4.35	178	90
Gutter	5.4	177	9
Cb Top	5.46	177	99
℄	5.2	178	1
H	0.40 179.13	4.52	178.73
	NE Return		
	1833' N of B.C.		
cb Top	0.45	178	68
Gutter	0.8	178	3
	36.66 N of BC		
Cb Top	0.57	178	56
Gutter	0.8	178	3

179.13

54.98 N = E.C. Everview

Cb Top	0.99	178.64
Gutter	0.6	178.5

SE Return

18.33 S of B.C. on Onstad

Cb Top	1.93	177.21
Gutter	2.4	176.7

36.66 S of B.C.

Cb Top	3.45	175.68
Gutter	4.2	174.9

54.98 = EC Everview

Cb Top	5.20	173.93
Gutter	6.0	173.1

4+75 = ℄ Everview

℄	1.32	177.81
Cb	1.74	177.39
℄	2.28	176.85
Cb	3.14	175.99
S	4.08	175.05

179.13

S W Return

B.C. on Everview

Cb Top	5.96	173.17
Gutter	6.8	172.3

18.33 W

Cb Top	4.84	174.29
Gutter	5.3	173.8

36.66' W

Cb Top	5.05	174.08
Gutter	5.7	173.4

54.98 W = E.C. Everview

Cb Top	6.87	172.86
Gutter	7.0	172.1

N W Return

B.C. on Everview

Cb Top	1.55	177.58
Gutter	1.7	177.4

18.33 W of B.C.

Cb Top	2.42	176.71
Gutter	2.9	176.2

Onstad St.

179.13

36.66 N of BC.

Cb Top	3.90	175.23	
Gutter	4.5	174.6	

54.98 N of BC = E.C. on Fverview 5+25

Cb Top	5.67	173.46	
Gutter	6.3	172.8	
B.M.	1.54	177.59	B.P. Cor Porch NW Onstad Fverview 177.64

5+25

S	7.2	171.9	
+8	6.9	172.2	
Cb Top	6.27	172.84	
Gutter	7.0	172.1	
℄	6.17	172.96	
Gutter	6.3	172.8	
Cb Top	5.67	173.46	
N	5.3	173.8	

5+50

N	7.8	171.3	
Cb Top	8.10	171.03	
Gutter	8.6	170.5	

179.13

℄	8.52	170.61	
Gutter	9.4	169.7	
Cb Top	8.58	170.55	
+1	9.1	170.0	
S	9.6	169.5	

5+75

S	12.0	167.1	
+9	11.7	167.4	
Cb Top	10.96	168.17	
Gutter	11.8	167.3	
℄	11.07	168.06	
Gutter	11.1	168.0	
Cb Top	10.52	168.61	
N	9.9	169.2	

6+00.7 = End of Cbs N+S

N	13.3	165.8	
Cb Top	18.00	166.13	
Gutter	13.7	165.4	
℄	13.56	165.57	
Gutter	14.5	164.6	
Cb Top	13.52	165.61	
S	14.3	164.8	

Cross Section Solar St. — INDEXED EFB
Cushman to Elevation Road

BM	0.29	202.60		202.31	N.E.B.P. Brownell x Elevation
TP	0.71	191.64	11.67	190.93	
		O/H. W. Return			
		B.C. on Cushman			
Cb Top			5.71	185.93	
Gutter			6.2	185.4	
		18.33 W of B.C.			
Cb Top			7.68	183.96	
Gutter			8.3	183.3	
		36.66' W of B.C.			
Cb			9.60	182.04	
Gutter			10.5	181.1	
		54.98' W of B.C. = E.C. Solar		0+25	
Cb			11.53	180.31	
Gutter			12.2	179.4	
		0+0 = W. Cushman			
S			14.3	177.3	
Cb			12.8	178.8	
℄			11.5	180.1	
Cb			10.3	181.3	
N			9.7	181.9	

191.64

0+25 = E.C.

N	11.1	180.5
Cb Top	11.32	180.34
Gutter	12.1	179.5
℄	12.5	179.1
Gutter	12.7	178.9
Cb Top	11.76	179.88
+1	12.3	179.3
S	15.3	176.3
0+50		
S	17.7	173.9
Cb Top	12.94	178.70
Gutter	13.7	177.9
℄	13.15	178.49
Gutter	13.0	178.6
Cb Top	12.46	179.18
N	12.3	179.3
0+65		
N	12.4	179.2
Cb Top	12.60	179.04
Gutter	13.0	178.6

Solar

191.64

℄	13.28	178.36
Gutter = ℄ 6' Cb to lot	14.03	177.61
Cb Top	12.99	178.65
S	16.2	175.4
0+80		
S	13.7	177.9
Cb Top	12.83	178.81
Gutter	13.6	178.0
℄	13.15	178.49
Gutter	12.7	178.9
Cb Top	12.35	179.29
N	11.9	179.7
1+0		
N	11.6	180.0
Cb Top	11.45	180.19
Gutter	12.2	179.4
℄	12.10	179.54
Gutter	12.6	179.0
Cb Top	11.93	179.71
S	12.4	179.2

191.64

1+23 = End Cb on S

S	10.6	181.0
Cb Top = End	10.15	181.49
Gutter	10.8	180.8
℄	10.21	181.43
Gutter	10.33	181 31
Cb Top	9.66	181.98
N	10.6	181 0
1+56.82 = B.C. on S		
N	7.1	184.5
+9	6.8	184.8
Cb Top	6.15	185 49
Gutter	7.04	184 60
℄	6.58	185.06
Cb	7.3	184 3
S	6.1	185 5
1+82.52 = BC. on N		
S	3.9	187.7
Cb	3.8	187 8
℄	3.97	187.67
Gutter	4.38	187 26
Cb Top	3.56	188 08

191.64

W		3.9	187.7

21.25 W of B.C. = ℄ Return

Cb		1.43	190.21
Gutter		2.23	189.41

42.5 W of B.C. = E.C. on Elevation Road
= 2+64.5

Cross Section Cushman Ave
INDEXED EFB
Solar to Plainview 68

191.64

0+00 = ℄ Solar

℄ = P.L. Line		8.2	183.4
Cb		8.9	182.7
W		9.7	181.9

0+25

W		6.6	185.0
Cb		5.71	185.93
Gutter		6.2	185.4
℄ = P.L. Line		5.8	185.8
TP	11.58	198.66 4.56	187.08

0+65

℄		8.1	190.6
Gutter		8.8	189.9
Cb Top		8.50	190.16
W		8.7	190.0

1+00

W		5.0	193.7
Cb Top		4.76	193.90
Gutter		5.3	193.4
℄		4.3	194.4

Cushman

198.66

1+40

℄ = PL ℄ Line		0.5	198.2
Gutter		1.2	197.5
Cb Top		0.50	198.16
W		0.9	197.8
TP	11.54 ℄ 210.12	0.08	198.58

1+95 = BC on W to Brownell

W		9.1	201.0
Cb Top		8.60	201.52
Gutter		9.4	200.7
℄		9.0	201.1

S W Return

18.33 W of BC

Cb Top		7.17	202.95
Gutter		8.0	202.1

36.66 W of BC.

Cb Top		5.98	204.14
Gutter		6.8	203.3

54.98 W of BC. = EC. on Brownell

Cb Top		5.81	204.31
Gutter		6.7	203.4

210.12

2+0

℄ = PL		7.2	202.9
Cb		7.1	203.0
W		7.3	202.8

2+25 = ℄ Brownell

W		5.30	204.82
Cb		5.34	204.78
℄		5.7	204.4

2+50

℄		4.4	205.7
Cb		4.1	206.0
W		4.5	205.6

N W Return

BC. on Brownell

Cb Top		5.37	204.75
Gutter		5.9	204.2

18.33' N of BC.

Cb Top		4.70	205.42
Gutter		5.0	205.1

36.66' N of BC.

Cb Top		3.73	206.39

Cushman

210.12

Gutter		4.1	206.0
	54.98' N of B.C. = E.C. on Cushman		
Cb Top		2.88	207.24
Gutter		3.2	206.9
	2+75 = B.C. on W		
W		3.2	206.9
Cb		2.88	207.24
Gutter		3.2	206.9
℄		3.1	207.0
	3+15		
℄		1.2	208.9
Gutter		1.4	208.7
Cb Top		1.00	209.12
+2		1.5	208.6
W		1.5	208.6
TP	6.36 216.13	0.35	209.77
	3+50.6 = End Cb on W		
W		6.1	210.0
+9'		6.2	209.9
Cb Top = End		5.54	210.59

216.13

Gutter		6.2	209.9
℄ = PL Line		6.0	210.1
	3+75		
℄		5.3	210.8
Cb		5.3	210.8
W		5.3	210.8
	4+25 = B.C. on W		
W		4.4	211.7
Cb		4.6	211.5
℄		4.4	211.7
	4+50 = S.L. Plainview		
℄		4.0	212.1
Cb		4.05	212.08
W		4.34	211.79
BM		2.84 - 213.29	End Cb on Plainview 213.81

Cross Section Brownell St. INDEXED EFB

BM	4.65	206.96		202.31	N.E.B.P. Brownell Elevation
		0+25 = Cb B.C. H. Cushman			
S			3.9	203.1	
+			3.6	203.4	
Cb Top			2.64	204.32	
Gutter			3.6	203.4	
℄			2.41	204.55	
Gutter			2.8	204.2	
Cb Top			2.20	204.76	
N			1.8	205.2	
		0+62.3 = End Cb on N			
N			2.9	204.1	
Cb Top = End			3.09	203.87	
Gutter			3.8	203.2	
℄			3.34	203.62	
Gutter			4.4	202.6	
Cb Top			3.45	203.51	
+2			4.6	202.4	
S			4.5	202.5	
	1+0				
S			5.1	201.9	

		206.96		
+8			4.9	202.1
Cb Top			4.34	202.62
Gutter			5.4	201.6
℄			4.28	202.68
Cb			4.8	202.2
+3			4.2	202.8
N			3.8	203.2
	1+50			
N			5.4	201.6
+7			5.5	201.5
Cb			5.9	201.1
℄			5.51	201.45
Gutter			6.5	200.5
Cb Top			5.56	201.40
+2			6.3	200.7
S			6.7	200.3
	2+0			
S			7.7	199.3
+8			7.3	199.7
Cb Top			6.77	200.19
Gutter			7.4	199.6

Brownell

206.96

℄	6.55	200.41
Cb	6.9	200.1
+2	6.3	200.7
N	6.2	200.8

2+13 = End Cb on N

N Cb = End	6.55	200.41
Gutter	7.1	199.9

2+32.56 = BC. on S

N	6.3	200.7
+8	6.3	200.7
Cb Top	6.66	200.30
Gutter	7.1	199.9
℄	6.56	200.40
+6	6.9	200.1
Gutter	8.3	198.7
Cb Top	7.54	199.42
+2	7.1	199.9
S	8.1	198.9

S.E. Return

28.7' S of B.C. on Brownell

Cb	8.13	198.83

206.96

Gutter	8.9	198.1

47.4 S of B.C.

Cb Top	8.83	198.13
Gutter	9.3	197.7

71.1 S of B.C.

Cb Top	9.69	197.27
Gutter	10.0	197.00

94.8' S of B.C. = E.C. on Elevation

Cb Top	10.51	196.45
Gutter	11.1	195.9

2+50.62 = B.C. on N

S	8.0	199.0
+5	7.4	199.6
Cb	8.5	198.5
+7	6.7	200.3
℄	6.33	200.63
Gutter + Cb Top	6.48	200.48
N	6.1	200.9

N.E. Return

18.33' N of B.C.

Cb	6.02	200.94

Gutter	6.3	2007	
86.66	N of BC		
Cb Top	5.40	20156	
Gutter	5.7	2013	
54.98	N of B.C. = E.C. on Elevation		
Cb Top	4.76	20220	
Gutter	5.2	201.8	

Cross Section on Crown St. Monitor to Elevation Road

INDEXED EFB

73

BM	11.88	168.71		156.88	C.T. in Drive 19+49.32 164.4
0-26 = ℄ Curve					
Cb Top			4.32	164 39	
Gutter			4.76	163 95	
0+0 = P.C.C. of Monitor					
N			4.0	164.7	
+5			3.2	165.5	
Cb Top			2.91	165 80	
Gutter			3.35	165 36	
℄			1.74	166.97	
Cb			1.2	167.5	
+5			1.2	167.5	
E			0.2	168.5	
0+25					
E			1.4	167 3	
+8			1.7	167 0	
Cb			2.2	166 5	
℄			2.50	166 21	
Gutter			3.50	165 21	
Cb Top			3.03	165 68	
N			3.8	164.9	

Crown St.

168.71

0+50		
W on Conc Drive	3.88	164.83
Cb x Gutter in Drive	4.20	164.51
℄	3.12	165.59
Cb	2.9	165.8
E	2.2	166.5
0+75		
E	3.2	165.5
Cb	4.0	164.7
℄	3.65	165.06
Gutter	4.60	164.11
Cb Top	4.28	164.43
W	4.6	164.1
1+0		
W	4.8	163.9
Cb Top	4.94	163.77
Gutter	5.45	163.26
℄	4.32	164.39
Cb	4.7	164.0
E	4.0	164.7

168.71

1+25		
E	4.6	164.1
Cb	5.3	163.4
℄	5.05	163.66
Gutter	6.06	162.65
Cb Top	5.62	163.09
W	5.5	163.2
1+50		
W	6.8	162.4
Cb Top	6.27	162.44
Gutter	6.63	162.08
℄	5.74	162.97
Cb	5.9	162.8
E	5.2	163.5
1+77 = BC on E-		
E	6.0	162.7
Cb Top Find	6.44	162.27
Gutter	6.87	161.84
℄	6.46	162.25
Gutter	7.23	161.48

Crown St.

168.71

Cb Top	7.02	161.69
W	7.1	161.6

NW Return

16.9' N of B.C.

Cb Top	6.58	162.13
Gutter	7.08	161.63

33.8' N of B.C.

Cb Top	6.32	162.39
Gutter	6.77	161.94

50.7 N of B.C.

Cb Top	5.44	163.27
Gutter	5.91	162.80

67.6' N of B.C. = P.R.C. on Elevation

Cb Top	4.37	164.34
Gutter	4.86	163.85

2+0

W	7.6	161.1
Cb Top	7.99	160.72
Gutter	8.50	160.21
℄	7.82	160.89

168.71

Cb	7.10	161.61
E	6.67	162.04

2+25

E	7.49	161.22
Cb	7.91	160.80
℄	8.37	160.34
Gutter	9.58	159.13
Cb Top	9.08	159.63
W	8.1	160.6

2+50

W	9.5	159.2
Cb Top	10.14	158.57
Gutter	10.66	158.05
℄	9.64	159.07

2+67.87 - P.C.C.

℄	10.90	158.31
Gutter	11.89	157.32
Cb Top	10.88	157.83
W	10.3	158.4

2+97.5

WCb	12.02	156.69
Gutter	12.80	155.91

Cross Section Knox St.

INDEXED
EFB

BM	6.38	184.02		177.64	BP S Cor Porch on stadt Everview
	NE Return				
	BC on Everview				
Cb Top			1.82	182.20	
Gutter			2.3	181.7	
	18.33' N of BC.				
Cb Top			3.00	181.02	
Gutter			3.4	180.6	
	36.66' N of B.C.				
Cb Top			4.02	180.00	
Gutter			4.4	179.6	
	54.98' N = E.C. on Knox = 0+25				
Cb Top			4.83	179.19	
Gutter			5.3	178.7	
	0+0 = N ℄ Everview				
E			4.0	180.0	
Cb			4.3	179.7	
℄			4.8	179.2	
Cb			5.3	178.7	
W			4.8	179.2	

184.02

	0+25 = E.C. on E			
W			6.5	177.5
Cb			6.1	177.9
+3			5.6	178.4
℄			5.62	178.40
Gutter			5.3	178.7
Cb Top			4.83	179.19
E			4.6	179.4
	0+45			
E			4.8	179.2
Cb Top			5.68	178.34
Gutter			6.1	177.9
℄			6.14	177.88
Cb			7.3	176.7
W			7.3	176.7
	0+65			
W			9.1	174.9
Cb			8.9	175.1
℄			7.4	176.6
Gutter			7.2	176.8

Knox

	184.02		
Cb Top		6.82	177.20
+2		6.0	178.0
E		5.3	178.7
	0+85		
E		7.2	176.8
+7		8.0	176.0
Cb Top		8.70	175.32
Gutter		9.2	174.8
℄		9.3	174.7
Cb		10.8	173.2
W.		11.0	173.0
	1+11		
W		14.5	169.5
Cb		13.6	170.4
℄		12.1	171.9
Gutter		12.1	171.9
Cb Top: Fwd		11.51	172.51
E		10.5	173.5

Reduced
(See plotted Roll #)

Levels on Ex. Curb N/y side Buenos — Moore 2-21-41.

℄ xxx	1.25	77.61		76.36	7+69.22
15.3 R.P. Ld + C.T. S Curb			1.10	76.51	"
T.P.	0.70	65.14	12.47	64.94	

R = 140 — Curve in 8

0+0 = Ctr. Curve on Ely Dorcas cg. pts. of 21.6

0+00			7.27	57.87
#1			9.63	55.51
#2			11.87	53.27
T.P.	1.68	53.93	12.89	52.25
#3			2.29	51.64
#4			3.58	50.35
#5			4.44	49.49
#6			5.03	48.90
#7			5.34	48.59
#8 = P.C. = 1+72.79			5.36	48.57
2+00			5.42	48.51
+25			5.51	48.42
+50			5.37	48.56
+75			5.12	48.81

53.93

3+00			4.88	48.05	
+25			4.68	49.25	
3+56.37 = P.C.		Curb R = 140	4.43	49.50	
+75			4.37	49.56	
T.P.	1.88	50.23	5.58	48.35	
4+00			0.84	49.39	
+25			1.36	48.87	
+50			2.03	48.20	
+75			3.14	47.09	
5			4.54	45.69	
+25			6.27	43.96	
+50			8.23	42.00	
5+72.47 EC and Curb			10.10	40.13	E. side Buenos
Top N. Cor.		Lower Conc. Step on Path	1.26	48.97	
T.P.	8.24	56.96	1.89	48.34	
T.P.	12.47	69.36	0.07	56.89	
T.P.	10.00	78.79	0.57	68.79	
15.3 R.P. C.T. S. Cb.			2.28	76.51	76.51
N.E. B.P. Dorcas + Hilda			0.92	77.87	77.87

Walker Harding Reed 6-6-42

Levels for Proposed Drives, U.S. Postoffice
8th St. at F St. And 9th St. at F St.

9th St. Levels.

	0.51	57.06	56.55	N.W. B.P. F St. + 9th St.
	0+00 = N.L. - F Street			
W Gut		7.43	49.63	
" Top cb.		7.01	50.05	
+5 = E. edge Walk		6.95	50.11	
W.L. on W " "		6.86	50.20	
	0+05			
W Gut.		7.39	49.67	
cb.		6.92	50.14	
+5 = E edge Walk		6.87	50.19	
W.L. = W " "		6.80	50.26	
	0+21			
W Gut		7.11	49.95	
W Top cb.		6.68	50.38	
+5 = E edge walk		6.61	50.45	
W.L. = W " "		6.52	50.54	
	0+43.9			
W Gut		6.73	50.33	
cb.		6.25	50.81	
+5 = E edge Walk		6.18	50.88	
W.L. on W " "		6.11	50.95	

Notes Reduced & Plotted 6-8-42 C.O.H.

Indexed C.S.K.

57.06

9th St. Levels Cont.

79

0+56.4

W Gut.		6.48	50.58	
" Top cb.		5.83	51.23	
+5 = E edge Walk		5.85	51.21	
W.L. = W " "		5.71	51.35	N.W. P. talk F St + 9th
T.P.	0.20	50.28	6.38	50.08

Cont. P-80

80 Levels Postoffice Drives.

Cont from P. 79

8th Street Levels.

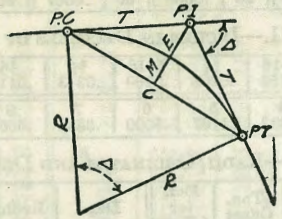
0+00 = N.L. F-St.

50.28-π P-79

E. Gut	6.12	44.16
cb.	5.27	45.01
+5 - Wedge Walk	5.19	45.09
EL. = E " "	5.09	45.19
0+09.5		
E Gut.	5.37	44.31
" cb.	5.10	45.18
+5' = Wedge walk	5.04	45.24
EL. = E " "	4.92	45.36
0+26.6		
E Gut.	5.46	44.62
E typ cb.	4.81	45.47
+5' = Wedge Walk	4.74	45.54
EL. = E " "	4.65	45.63
0+44.2		
E Gut	5.47	44.81
cb.	4.52	45.76
+6' = Wedge Walk.	4.45	45.83
EL. = E " "	4.39	45.89

Cont. P. 1

DIETZGEN'S RAILROAD CURVE AND REDUCTION TABLES



CURVE FORMULAS

Radius=R=$\frac{50}{\text{sin. } D/2}$ (1) Degree of Curve=D and sin. $\frac{D}{2}=\frac{50}{R}$ (2)

Tangent=T=R tan $\frac{\Delta}{2}$ (3) Length of Curve=L=$100\frac{\Delta}{D}$ (4)

Middle ordinate=M= R(1—cos. $\frac{\Delta}{2}$) (5) =Rvers $\frac{\Delta}{2}$ (6)

External=E=T tan $\frac{\Delta}{4}$ (7) =R÷cos. $\frac{\Delta}{2}$—R (8)=R exsec $\frac{\Delta}{2}$ (9)

Long Chord=C=2 R sin. $\frac{\Delta}{2}$ (10) Δ=Central Angle

EXPLANATION AND USE OF TABLES

Stations.—Given P. I.=Sta. 161+60.35 to find Sta. of P. C. and P. T. Δ=62° 10′ D=8° 20′. From Table IV for 1° curve T=3454.1 and÷8⅓=414.49 ft. From Table V correction=.36 or T=414.85 ft. P. C.=Sta. P.I.—T=157+45.50. Also from (4) L=746.00 and P. T.=Sta. P. C.+L=164+91.50.

Offsets.—Tangent offsets vary (approximately) directly with D and with square of the distance. Thus tangent offset for Sta. 158 on above curve is 2.16 ft. found as follows. From Table III tangent-offset for 100 ft.=7.27 ft. Distance=158—Sta. P. C.=54.50, hence offset=7.27 (54.50÷100)²=2.16 ft. Also square of any distance divided by twice the radius equals (approximately) the distance from tangent to curve. Thus (54.50)²÷(2 x 688.26)=2.16 ft.

Deflections.—Deflection angle=½ D for 100 ft., ¼ D for 50 ft., etc. For c ft.=(in minutes) .3 x C x D° or=defl. for 1 ft. from Table III x C. For Sta. 158 of above curve=.3 x 54.5 x 8⅓=136.2′ or 2° 16.2′, or=2.50 x 54.5=136.2′ from Table III. For Sta. 159 deflection angle=2° 16.2′+8° 20′÷2=6° 26.2′, etc.

Externals.—May be found in similar manner to tangents. Thus E for curve above is 91.37. For from Table IV for 1° curve E=960.6 for 8° 20′=960.6÷8⅓=91.27 and from Table V correction=.10 or E=91.37 ft. Or suppose Δ=32° and E is measured and found to be 42 ft. What is D? From Table IV E=230.9 and÷42=5.5 or D=5° 30′.

DISTANCES FROM CENTER OF ROADWAY FOR CROSS-SECTIONING.

Roadway 16 feet wide. Side Slopes 1 on 1½

For Single Track Embankment.

H	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	H
0	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.2	9.4	0
1	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	1
2	11.0	11.2	11.3	11.5	11.6	11.8	11.9	12.1	12.2	12.4	2
3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.6	13.7	13.9	3
4	14.0	14.2	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	4
5	15.5	15.7	15.8	16.0	16.1	16.3	16.4	16.6	16.7	16.9	5
6	17.0	17.2	17.3	17.5	17.6	17.8	17.9	18.1	18.2	18.4	6
7	18.5	18.7	18.8	19.0	19.1	19.3	19.4	19.6	19.7	19.9	7
8	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.1	21.2	21.4	8
9	21.5	21.7	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.9	9
10	23.0	23.2	23.3	23.5	23.6	23.8	23.9	24.1	24.2	24.4	10
11	24.5	24.7	24.8	25.0	25.1	25.3	25.4	25.6	25.7	25.9	11
12	26.0	26.2	26.3	26.5	26.6	26.8	26.9	27.1	27.2	27.4	12
13	27.5	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	13
14	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	14
15	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	15
16	32.0	32.2	32.3	32.5	32.6	32.8	32.9	33.1	33.2	33.4	16
17	33.5	33.7	33.8	34.0	34.1	34.3	34.4	34.6	34.7	34.9	17
18	35.0	35.2	35.3	35.5	35.6	35.8	35.9	36.1	36.2	36.4	18
19	36.5	36.7	36.8	37.0	37.1	37.3	37.4	37.6	37.7	37.9	19
20	38.0	38.2	38.3	38.5	38.6	38.8	38.9	39.1	39.2	39.4	20
21	39.5	39.7	39.8	40.0	40.1	40.3	40.4	40.6	40.7	40.9	21
22	41.0	41.2	41.3	41.5	41.6	41.8	41.9	42.1	42.2	42.4	22
23	42.5	42.7	42.8	43.0	43.1	43.3	43.4	43.6	43.7	43.9	23
24	44.0	44.2	44.3	44.5	44.6	44.8	44.9	45.1	45.2	45.4	24
25	45.5	45.7	45.8	46.0	46.1	46.3	46.4	46.6	46.7	46.9	25
26	47.0	47.2	47.3	47.5	47.6	47.8	47.9	48.1	48.2	48.4	26
27	48.5	48.7	48.8	49.0	49.1	49.3	49.4	49.6	49.7	49.9	27
28	50.0	50.2	50.3	50.5	50.6	50.8	50.9	51.1	51.2	51.4	28
29	51.5	51.7	51.8	52.0	52.1	52.3	52.4	52.6	52.7	52.9	29
30	53.0	53.2	53.3	53.5	53.6	53.8	53.9	54.1	54.2	54.4	30
31	54.5	54.7	54.8	55.0	55.1	55.3	55.4	55.6	55.7	55.9	31
32	56.0	56.2	56.3	56.5	56.6	56.8	56.9	57.1	57.2	57.4	32
33	57.5	57.7	57.8	58.0	58.1	58.3	58.4	58.6	58.7	58.9	33
34	59.0	59.2	59.3	59.5	59.6	59.8	59.9	60.1	60.2	60.4	34
35	60.5	60.7	60.8	61.0	61.1	61.3	61.4	61.6	61.7	61.9	35
36	62.0	62.2	62.3	62.5	62.6	62.8	62.9	63.1	63.2	63.4	36
37	63.5	63.7	63.8	64.0	64.1	64.3	64.4	64.6	64.7	64.9	37
38	65.0	65.2	65.3	65.5	65.6	65.8	65.9	66.1	66.2	66.4	38
39	66.5	66.7	66.8	67.0	67.1	67.3	67.4	67.6	67.7	67.9	39
40	68.0	68.2	68.3	68.5	68.6	68.8	68.9	69.1	69.2	69.4	40

Example—If point is 22.6 ft. above grade, how far should it be from center line to be a slope stake point? Ans. from Table 41.9. For same slopes but other widths of roadbed correct above figures by one-half difference in width of roadbed; thus in example above for 20 ft. roadbed distance will be 41.9+(20—16)÷2 or 2 ft. added to 41.9 =43 9. For slopes of 1 on 1 see inside of front cover.