	A	B	C	D	E	F	G	H	I
1	**Storm sewer design for Maple Avenue from 8th Street to 4th Street**								
2	**col. 1**	**col. 2**	**col. 3**	**col. 4**	**col. 5**	**col. 6**	**col. 7**	**col. 8**	**col. 9**
3			area	cumul.		inlet			
4		Length	increment	area		time	t_c	i	Q_{des}
5	Line	ft	acres	acres	C	min	min	in/hr	cfs
6									
7	8th - 7th	343	4.5	4.5	0.3	18	18	5.58	7.54
8	7th - 6th	470	3.70	8.20	0.3	18	19.9	5.29	13.01
9	6th - 5th	478	5.07	13.27	0.3	18	22.5	4.93	19.63
10	5th - 4th	560	5.16	18.43	0.3	18	25.2	4.61	25.51
11	**col. 10**	**col. 11**	**col. 12**	**col. 13**	**col. 14**	**col. 15**	**col. 16**	**col. 17**	
12			pipe slope	surface					
13	D_{pipe}	D_{strd}	(V_{full} = 3)	slope	V_{full}	Q_{full}	Length	t_{pipe}	
14	in	in	ft/ft	ft/ft	ft/sec	cfs	ft	min	
15									
16	21.5	24	0.001726	0.0002	3	9.42	343	1.9	
17	28.2	30	0.001282	0.0012	3	14.73	470	2.6	
18	34.6	36	0.001005	0.0013	3	21.21	478	2.7	
19	39.5	42	0.000819	0.0002	3	28.86	560	3.1	
20	**col. 18**	**col. 19**		**col. 20**	**col. 21**		**col. 22**	**col. 23**	**col. 24**
21									pipe slope
22	Ground Elev, ft			Invert Elev, ft			Cover Depth, ft		for design
23	upper	lower		upper	lower		upper	lower	ft/ft
24	67.25	67.19		60.250	59.658		5	5.5	0.001726
25	67.19	66.63		59.158	58.555		5.5	5.6	0.001282
26	66.63	66.01		58.055	57.575		5.6	5.4	0.001005
27	66.01	65.88		57.075	56.616		5.4	5.8	0.000819