Computed _____ Date _____

Checked _____ Date _____

Route _____
Section _____
County _____

Station		Length (ft)	Drainage Area A (acres)		Runoff Coefficient C	A x C		Flow Time (min)		Rainfall Intensity I (in/h)	Total Runoff CIA = Q (ft^3/s)	Diameter Pipe (in)	Capacity Fill (ft^3/s)	Velocity (ft/s)		Inert Elev.		Manhole Invert Drop	Slope of Drain (ft/ft)
From	To		Increment	Total		Increment	Total	To Upper End	In Section					Flowing Full	Design Flow	Upper End	Lower End		
1	2	24.3	0.125		0.4	0.05													
			0.100	0.225	0.9	0.09	0.14	10		5.28	0.745	12	3.53	5.67	5.00	333.33	333.10		0.01
2	MH1	3.33	0.125		0.4	0.05													
			0.100	0.45	0.9	0.09	0.28	10.2		5.28	1.48	12	3.53	5.67	5.00	333.10	333.06		0.01
MH1	MH2	143.3		0.45			0.28	10.2		5.28	1.48	12	4.24	6.67	6.00	333.06	331.33		0.012
3	MH2	3.33	0.05 0.15	0.20	0.9 0.4	0.045 0.06	0.105	11.2		5.08	0.533	12	3.53	5.67	5.00	331.60	331.57		0.01
MH2	MH3	73.33		0.65			0.385	11.2		5.08	1.96	12	4.24	6.67	6.00	331.33	330.47		0.012
4	5	24.33	0.300		0.4	0.12													
			0.125	0.425	0.9	0.113	0.232	10		5.28	1.22	12	2.83	4.00	3.67	330.80	330.67		0.005
5	MH3	30.0	0.325		0.4	0.13													
			0.125	0.875	0.9	0.113	0.475	10.1		5.28	2.51	12	3.53	4.67	4.67	330.67	330.47		0.007
MH3	MH4	116.7		1.525			1.09	11.4		5.08	5.54	15	8.12	7.00	6.76	330.20	328.80		0.012
6	7	24.3	0.100		0.9		0.09	11.5		5.04	0.454	12	2.83	4.00	2.67	329.33	329.20		0.005
7	MH4	3.33	0.050		0.9	0.045													
			0.250	0.30	0.4	0.100	0.145	11.5		5.04	0.731	12	2.83	4.00	3.33	329.20	329.17		0.005
MH4	Outlet	81.7		1.825			1.23	11.7		5.04	6.20	18	8.48	5.33	5.00	328.53	328.13		0.005

STORM DRAIN COMPUTATION SHEET
(Example Problem)
Figure 36-16C