



A (TO CI 107)	(.26 AC)(3.85) = 1.00 CFS
OFF-SITE (TO CI 107)	(.5 AC)(3.85) = 1.93 CFS
B (FROM CANOPY)	(.17 AC)(3.85) = 0.66 CFS
C (TO CI 108)	(.33 AC)(3.85) = 1.27 CFS
D (FROM BUILDING)	(.11 AC)(3.85) = 0.44 CFS
E (TO AI 105)	(.07 AC)(3.85) = 0.27 CFS
F (TO CI 109)	(.18 AC)(3.85) = 0.69 CFS

STORM SEWER HYDRAULICS

Ver 1.33

Job Name: FASTLANE
Prepared by: B.K. Checked by: LPB
Job No: 2229 Sheet No: 1
Date: 03/12/03
Revised: 04/16/03

Upper Str. Type	Lower Str. Type	Len. in	Q in c.f.s.	Total Q c.f.s.	Pipe Size in.	Const. Size	V in	Vh in	Q x Vh	Hyd. Grade	Flow Line Elevation	Top of Structure Elevation	Free Board	Hydraulic Loss	Fric. Loss	Curve Loss	Junc. Loss	Entr. Loss	Turn Angle	Capacity	Normal Depth				
AI	110	109	50	5.70	5.70	15	2.00%	4.64	0.33	1.91	0.78%	608.79	607.79	615.90	612.50	3.46	609.50	609.04	0.39	0.16	9.14	0.62	0.71		
AI	109	105	160	0.69	6.39	15	2.00%	5.21	0.42	2.69	0.98%	607.79	604.59	612.50	612.80	3.46	608.55	605.84	1.57	0.14	9.14	0.70	0.76		
T	201	200	140	0.66	0.66	8	1.00%	1.89	0.06	0.04	0.25%	612.80	611.50	615.75	615.00	2.52	613.23	612.17	0.38	0.06	30	0.02	1.31	0.50	0.33
M	200	107	66	2.93	3.59	12	1.52%	1.89	0.06	0.04	0.30%	611.50	610.50	615.00	613.80	2.83	611.81	611.17	0.20	0.30	30	0.02	1.49	0.44	0.31
CI	107	106	122	2.93	3.59	12	1.97%	4.57	0.32	1.16	0.87%	609.20	606.80	613.80	612.90	2.63	609.79	608.66	1.08	0.47	150	0.23	5.41	0.66	0.59
CI	106	105	100	1.27	4.86	12	2.01%	6.19	0.59	2.89	1.86%	606.60	604.59	612.90	612.80	4.24	607.96	606.10	1.86	0.20	20	0.14	5.05	0.96	0.78
AI	105	104	74	0.71	11.96	21	1.00%	4.97	0.38	4.59	0.49%	604.59	603.85	612.80	608.79	6.70	605.96	605.60	0.36	0.13	20	0.09	17.17	0.70	1.07
MH	104	103	90	1.00	12.96	21	1.00%	5.39	0.45	5.84	0.67%	603.85	602.95	608.79	607.31	3.19	605.30	604.70	0.60		15.65	0.82	1.19		

NOTE: AI=Area Inlet, M=Manhole, T=Terminal Structure, CI=Curb Inlet, DCI=Double Curb Inlet, SCI=Skewed Curb Inlet, TP=Tangent Point, EP=End of Pipe, OS=Outfall Structure
n=0.013 For RCP, 0.024 For CMP. For Drainage Areas, P.I. & Bypass, See Drainage Area Map.

Ver 1.33

NOTE: THIS SITE PLAN DESIGN IS BASED ON INFORMATION PROVIDED BY AN OVERALL SITE PLAN AND SURVEY BY MUSLER ENGINEERING COMPANY REV. SEPT 5, 2002