

INLET CALCULATION CHART

No.	INLET LOCATION STREET NAME	Design Storm Frequency (YEARS)	Time Of "C" (MIN)	AREA RUNOFF Coeff			Runoff (cfs)	Carry-Over From Upstream Inlet (cfs)	Total Gutter Flow (cfs)	Gutter Slope (FO)	Street Capacity (cfs)	Crown Type	SELECTED INLET			Inter-capted Flow (cfs)	Carry-Over To Downstream Inlet (cfs)	Carry-Over To Downstream Inlet No.
				Intensity (in/hr)	Runoff Coefficient "C"	Area In Acres							Length "L" (FEET)	Type	Capacity (cfs)			
1	1+50 Alley '2'	100	10	9.80	0.50	2.07	10.14	0	10.14	Sag	N/A	5" Inv	10'	Curb	21.0	10.14	0	-
2	1+58 Hickory Creek	100	10	9.80	0.50	0.86	4.21	0	4.21	1.00	11.71	6" Par.	10'	Curb	6.60	4.21	0	-
3	0+51 Alley '3'	100	10	9.80	0.50	1.44	7.06	0	7.06	1.11	7.85	5" Inv	10'	Curb	6.60	6.60	0.46	10
4*	0+55 Greenbrook	100	10	9.80	0.50	0.81	4.00	0.51	4.51	0.80	10.47	6" Par.	10'	Curb	6.80	4.51	0	-
5*	0+55 Greenbrook	100	10	9.80	0.50	0.81	4.00	0.51	4.51	0.80	10.47	6" Par.	10'	Curb	6.80	4.51	0	-
6	0+55 Alley '5'	100	10	9.80	0.50	1.18	5.78	0	5.78	0.80	6.66	5" Inv	10'	Curb	6.80	5.78	0	-
7	0+92.24 Alley '1'	100	10	9.80	0.50	1.50	7.35	0	7.35	Sag	N/A	5" Inv	10'	Curb	21.0	10.14	0	-
8*	0+60 Foxwood	100	10	9.80	0.50	0.71	3.48	0	3.48	0.50	8.28	6" Par.	10'	Curb	7.40	3.48	0	-
9*	0+83 Foxwood	100	10	9.80	0.50	0.71	3.48	0	3.48	0.50	8.28	6" Par.	10'	Curb	7.40	3.48	0	-
10	Eastwood/Foxwood	100	10	9.80	0.50	2.54	12.44	0.46	12.90	Sag	N/A	6" Par.	10'	Curb	21.0	12.90	0	-
11	9+92 Greenbrook	100	10	9.80	0.50	1.09	5.34	0	5.34	1.00	11.71	6" Par.	10'	Curb	6.60	5.34	0	-
12	0+55 Alley '4'	100	10	9.80	0.50	1.72	8.43	0	8.43	3.35	13.63	5" Inv	10'	Curb	5.60	5.60	2.83	13
13	6+02 Greenbrook	100	10	9.80	0.50	0.98	4.80	2.83	7.63	1.00	11.71	6" Par.	10'	Curb	6.60	6.60	1.03	4,5
14*	0+56 Dove Creek	100	10	9.80	0.50	0.84	4.11	0	4.11	3.00	20.28	6" Par.	10'	Curb	5.70	4.11	0	-
15*	0+56 Dove Creek	100	10	9.80	0.50	0.84	4.11	0	4.11	3.00	20.28	6" Par.	10'	Curb	5.70	4.11	0	-
16*	9+30 Foxwood	100	10	9.80	0.50	0.75	3.67	0	3.67	1.40	13.85	6" Par.	10'	Curb	6.30	3.67	0	-
17*	9+21 Foxwood	100	10	9.80	0.50	0.75	3.67	0	3.67	1.40	13.85	6" Par.	10'	Curb	6.30	3.67	0	-
18	4+46 Alley '5'	100	10	9.80	0.50	1.02	5.00	0	5.00	0.80	6.66	5" Inv	10'	Curb	6.80	5.00	0	-
19*	4+85 Foxwood	100	10	9.80	0.50	0.85	4.16	0	4.16	0.50	8.28	6" Par.	10'	Curb	7.40	4.16	0	-
20*	4+30 Foxwood	100	10	9.80	0.50	0.85	4.16	0	4.16	0.50	8.28	6" Par.	10'	Curb	7.40	4.16	0	-
21*	13+08 Hickory Creek	100	10	9.80	0.50	0.95	4.68	0	4.68	1.38	13.75	6" Par.	10'	Curb	6.30	4.68	0	-
22*	13+08 Hickory Creek	100	10	9.80	0.50	0.95	4.68	0	4.68	1.76	15.62	6" Par.	10'	Curb	6.20	4.68	0	-
23*	8+60 Faircrest	100	10	9.80	0.50	0.87	4.29	0	4.29	2.40	18.13	6" Par.	10'	Curb	5.90	4.29	0	-
24*	8+60 Faircrest	100	10	9.80	0.50	0.87	4.29	0	4.29	2.40	18.13	6" Par.	10'	Curb	5.90	4.29	0	-
25*	14+30 Hickory Creek	100	10	9.80	0.50	0.56	2.75	0	2.75	2.00	16.55	6" Par.	10'	Curb	6.10	2.75	0	-
26*	14+30 Hickory Creek	100	10	9.80	0.50	0.56	2.75	0	2.75	2.00	16.55	6" Par.	10'	Curb	6.10	2.75	0	-
27*	0+55 Deerwood	100	10	9.80	0.50	0.97	4.80	0	4.80	1.80	15.70	6" Par.	10'	Curb	6.20	4.80	0	-
28*	0+55 Deerwood	100	10	9.80	0.50	0.97	4.80	0	4.80	1.80	15.70	6" Par.	10'	Curb	6.20	4.80	0	-
29	Cul-de-sac Street J	100	10	9.80	0.50	2.96	14.51	0	14.51	Sag	N/A	6" Par.	10'	Curb	21.0	14.51	0	-
30*	0+57 Cliffbrook	100	10	9.80	0.50	0.99	4.85	0.53	5.38	0.80	10.47	6" Par.	10'	Curb	6.80	5.38	0	-
31*	0+57 Cliffbrook	100	10	9.80	0.50	0.99	4.85	0.53	5.38	0.80	10.47	6" Par.	10'	Curb	6.80	5.38	0	-
32*	7+10 Cliffbrook	100	10	9.80	0.50	1.16	5.71	0	5.71	2.00	16.55	6" Par.	10'	Curb	6.10	5.71	0	-
33*	7+10 Cliffbrook	100	10	9.80	0.50	1.16	5.71	0	5.71	2.00	16.55	6" Par.	10'	Curb	6.10	5.71	0	-
34*	0+56 Westbury	100	10	9.80	0.50	0.92	4.51	0	4.51	1.20	12.82	6" Par.	10'	Curb	6.50	4.51	0	-
35*	0+56 Westbury	100	10	9.80	0.50	0.92	4.51	0	4.51	1.20	12.82	6" Par.	10'	Curb	6.50	4.51	0	-
36	0+55 Alley '13'	100	10	9.80	0.50	2.36	11.56	0	11.56	1.94	10.37	5" Inv	10'	Curb	6.10	6.10	5.46	39
37*	0+95 Wildrose	100	10	9.80	0.50	1.84	9.01	0	9.01	2.38	18.06	6" Par.	15'	Curb	9.80	9.01	0	-
38*	0+95 Wildrose	100	10	9.80	0.50	1.84	9.01	0	9.01	2.38	18.06	6" Par.	15'	Curb	9.80	9.01	0	-
39	Street L/Wildrose	100	10	9.80	0.50	2.58	12.64	5.46	18.10	Sag	N/A	6" Par.	10'	Curb	21.0	18.10	0	-
40	0+70 Alley '12'	100	10	9.80	0.50	2.77	13.57	0	13.57	1.85	10.13	5" Inv	15'	Curb	10.10	10.10	3.47	41
41	0+60 Alley '11'	100	10	9.80	0.50	1.52	7.45	3.47	10.92	0.95	7.26	5" Inv	15'	Curb	10.00	10.00	0.92	44,45
42*	5+37 Chesterwood	100	10	9.80	0.50	1.33	6.51	0	6.51	1.60	14.81	6" Par.	10'	Curb	6.30	6.30	0.21	44,45
43*	5+48 Chesterwood	100	10	9.80	0.50	1.33	6.51	0	6.51	1.60	14.81	6" Par.	10'	Curb	6.30	6.30	0.21	44,45
44*	0+50 Chesterwood	100	10	9.80	0.50	0.85	4.16	0.67	4.83	1.20	12.82	6" Par.	10'	Curb	6.50	4.83	0	-
45*	0+50 Chesterwood	100	10	9.80	0.50	0.85	4.16	0.67	4.83	1.20	12.82	6" Par.	10'	Curb	6.50	4.83	0	-
46	1+50 Alley '17'	100	10	9.80	0.50	0.96	4.70	0	4.70	Sag	N/A	5" Inv	10'	Curb	21.0	4.70	0	-
47	5+08.33 Alley '14'	100	10	9.80	0.50	2.11	10.34	0	10.34	Sag	N/A	5" Inv	10'	Curb	21.0	10.34	0	-
48*	25+77 Hickory Creek	100	10	9.80	0.50	2.18	10.70	0	10.70	Sag	N/A	6" Par.	10'	Curb	21.0	10.70	0	-
49*	25+77 Hickory Creek	100	10	9.80	0.50	2.18	10.70	0	10.70	Sag	N/A	6" Par.	10'	Curb	21.0	10.70	0	-
50	13+00 Alley '7'	100	10	9.80	0.50	3.79	18.57	0	18.57	Sag	N/A	5" Inv	10'	Curb	21.0	18.57	0	-
51	Arborhill	100	10	9.80	0.50	1.87	9.16	0	9.16	Sag	N/A	6" Par.	10'	Curb	21.0	9.16	0	-
52	Barkedale	100	10	9.80	0.50	1.48	7.25	0	7.25	Sag	N/A	6" Par.	10'	Curb	21.0	7.25	0	-
53	0+55 Alley '10'	100	10	9.80	0.50	1.38	6.76	0	6.76	3.00	12.90	5" Inv	10'	Curb	5.70	5.70	1.06	30,31

* = Represents 1/2 Of The Drainage Area

STORM SEWER CALCULATION CHART

PF = PIPE IN PARTIAL FLOW, HYD. SLOPE=PIPE SLOPE

UPSTREAM STATION	DOWNSTREAM STATION	DISTANCE BETWEEN COLLECTION POINTS (FEET)	INLET NUMBER	INCREMENTAL "Q" (CFS)	ACCUMULATED "Q" (CFS)	PIPE SIZE (INCHES)	HYDRAULIC SLOPE (FT/FT)	VELOCITY (FPS)	VELOCITY HEAD LOSS (FT)
LINE 'A'									
2+32	0+66	166	1	10.14	10.14	21	0.0041	4.22	0.28
0+66	0+00	66	Future	20.95	31.09	24	0.0189	9.90	1.52
LINE 'B'									
8+87	5+85	302	2	4.21	4.21	18	0.0160	8.38	PF
5+85	4+53	132	3	6.60	10.81	18	0.0240	9.85	PF
4+53	2+91	162	4,5	9.02	19.83	21	0.0240	11.36	PF
2+91	1+74	117	6	5.78	25.61	24	0.0240	12.18	PF
1+74	1+53	21	7,8,9	14.31	39.92	33	0.0100	9.78	PF
1+53	0+36	117	10	12.90	52.82	33	0.0100	10.15	PF
0+36	0+18	18			52.82	36	0.0063	7.47	0.87
LINE 'C'									
2+79	1+40	139	18	5.00	5.00	18	0.0360	9.38	PF
1+40	0+99	41	Ln.D	37.26	42.26	33	0.0100	9.89	PF
0+99	0+36	63	20	4.16	46.42	33	0.0100	10.04	PF
0+36	0+18	18			46.42	36	0.0048	6.57	0.67
LINE 'D'									
4+69	4+41	28	16	3.67	3.67	18	0.0012	2.08	0.07
4+41	3+96	145	17	3.67	7.34	18	0.0049	4.15	0.27
3+96	0+15	381	Ln.E	25.76	33.10	27	0.0114	8.32	1.07
0+15	0+00	15	15	4.16	37.26	27	0.0145	9.37	1.36
LINE 'E'									
2+78	0+51	227	Ln.F,Ln.G	17.54	17.54	21	0.0123	7.29	0.83
0+51	0+00	51	14,15	8.22	25.76	21	0.0264	10.71	1.78
LINE 'F'									
1+93	0+00	193	11	5.34	5.34	18	0.0257	8.46	PF
LINE 'G'									
2+10	1+11	99	13	6.60	6.60	18	0.0039	3.73	0.22
1+11	0+00	111	12	5.60	12.20	18	0.0135	6.90	0.74
LINE 'H'									
10+80	8+13	267	21,22,25,26	14.86	14.86	21	0.0088	6.18	0.59
8+13	5+01	312	27,28	9.60	24.46	24	0.0117	7.79	0.94
5+01	4+67	34	29	14.51	38.97	27	0.0280	12.21	PF
4+67	1+95	272	23,24	8.58	47.55	30	0.0260	12.16	PF
1+95	1+42	53	30,31,53	16.46	64.01	33	0.0260	12.12	PF
1+42	1+24	18			64.01	42	0.0040	6.65	0.69

Cap. To R.O.W.=14.66 cfs

Cap. To R.O.W.=14.32 cfs

Cap. To R.O.W.=10.26 cfs

MEADOWCREEK ESTATES PHASE III

MEADOWCREEK ESTATES PHASE IV (Future)

MEADOWCREEK ESTATES PHASE III

MEADOWCREEK ESTATES PHASE IV (Future)

AS BUILT PLANS

06/08/2001

The alignment and grade were set on the ground for construction per the plans. The engineer did not verify alignment or grades after construction. We are not aware of any changes or revisions to these plans during construction except as noted.