

FILE: SD-INLET-CALCS-04124_01_REV-01.dwg

25 YR. STORM-INLET AND STREET FLOW CALCULATIONS

STREET STA	INLET NO.	CONTRIBUTING DRAINAGE AREA	DESIGN STORM FREQUENCY (yr)	TIME OF CONC (min)	RAINFALL INTENSITY (in/hr)	DRAINAGE AREA (Ac)	C' FACTOR	DRAINAGE AREA CxA	CA INTERCEPTED	GUTTER FLOW (cfs)	GUTTER SLOPE (%)	STREET SECTION	CROSS SLOPE	DEPTH OF FLOW (ft)	PONDED WIDTH (ft)	INLET LENGTH (ft)	FLOW COLLECTED (cfs)	FLOW BYPASSED (cfs)	REMARKS
	A1	A1	25.00	10.00	8.30	0.52	0.90	0.47	0.47	3.90	0.81	TRIANGULAR	2.08%	0.25	12.20	10.00	3.9	0.00	STREET INLET
	A2	A2	25.00	10.00	8.30	0.52	0.90	0.47	0.47	3.90	0.81	TRIANGULAR	2.08%	0.25	12.20	10.00	3.9	0.00	STREET INLET
	A3	A3	25.00	10.00	8.30	0.51	0.90	0.46	0.46	3.80	1.40	TRIANGULAR	2.08%	0.23	10.90	10.00	3.8	0.00	STREET INLET
	A4	A4	25.00	10.00	8.30	0.51	0.90	0.46	0.46	3.80	1.40	TRIANGULAR	2.08%	0.23	10.90	10.00	3.8	0.00	STREET INLET
	A5	A5	25.00	10.00	8.30	0.51	0.90	0.46	0.46	4.90	1.88	TRIANGULAR	2.08%	0.23	11.10	10.00	4.6	0.00	STREET INLET
	A6	A6	25.00	10.00	8.30	0.66	0.89	0.59	0.59	4.90	1.88	TRIANGULAR	2.08%	0.24	11.40	10.00	4.9	0.00	STREET INLET
	A7	A7	25.00	10.00	8.30	0.49	0.90	0.44	0.44	3.70	1.88	TRIANGULAR	2.08%	0.21	10.20	15.00	3.7	0.00	STREET INLET
	A8	A8	25.00	10.00	8.30	0.28	0.89	0.25	0.25	2.10	1.88	TRIANGULAR	2.08%	0.17	8.30	15.00	2.1	0.00	STREET INLET
	B1	B1	25.00	10.00	8.30	0.42	0.90	0.38	0.38	3.10	1.10	TRIANGULAR	2.08%	0.22	10.60	5.00	3.1	0.00	STREET INLET
	B2	B2	25.00	10.00	8.30	0.45	0.91	0.41	0.41	3.40	0.70	TRIANGULAR	2.08%	0.25	11.90	5.00	3.4	0.00	STREET INLET
	B4	B4	25.00	10.00	8.30	0.87	0.90	0.78	0.78	6.50	0.73	TRIANGULAR	2.08%	0.31	15.10	10.00	6.5	0.00	STREET INLET
	B3	B3	25.00	10.00	8.30	0.68	0.90	0.61	0.61	5.10	-	TRIANGULAR	0.70%	0.16	-	10.00	5.1	0.00	STREET INLET
	B5	B5	25.00	10.00	8.30	0.26	0.88	0.23	0.23	1.90	0.72	TRIANGULAR	2.08%	0.20	9.60	5.00	1.9	0.00	STREET INLET
	B6	B6	25.00	10.00	8.30	0.37	0.89	0.33	0.33	2.80	0.68	TRIANGULAR	2.08%	0.23	11.10	5.00	2.8	0.00	STREET INLET
	B7	B7	25.00	10.00	8.30	0.29	0.90	0.26	0.26	2.20	-	TRIANGULAR	2.08%	0.22	-	20.00	2.2	0.00	STREET INLET
	B8	B8	25.00	10.00	8.30	0.28	0.36	0.10	0.10	0.80	-	TRIANGULAR	2.08%	0.15	-	20.00	0.8	0.00	STREET INLET

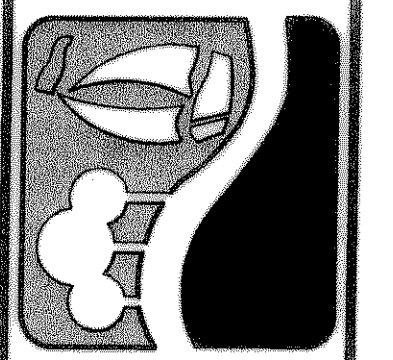
100 YR. STORM-INLET AND STREET FLOW CALCULATIONS

STREET STA	INLET NO.	CONTRIBUTING DRAINAGE AREA	DESIGN STORM FREQUENCY (yr)	TIME OF CONC (min)	RAINFALL INTENSITY (in/hr)	DRAINAGE AREA (Ac)	C' FACTOR	DRAINAGE AREA CxA	CA INTERCEPTED	GUTTER FLOW (cfs)	GUTTER SLOPE (%)	STREET SECTION	CROSS SLOPE	DEPTH OF FLOW (ft)	PONDED WIDTH (ft)	INLET LENGTH (ft)	FLOW COLLECTED (cfs)	FLOW BYPASSED (cfs)	REMARKS
	A1	A1	100	10	9.8	0.52	0.90	0.47	0.47	4.6	1.25	TRIANGULAR	2.08%	0.25	12	10	4.6	0.00	STREET INLET
	A2	A2	100	10	9.8	0.52	0.90	0.47	0.47	4.6	1.25	TRIANGULAR	2.08%	0.25	12	10	4.6	0.00	STREET INLET
	A3	A3	100	10	9.8	0.51	0.90	0.46	0.46	4.5	1.4	TRIANGULAR	2.08%	0.24	11.6	10	4.5	0.00	STREET INLET
	A4	A4	100	10	9.8	0.51	0.90	0.46	0.46	4.5	1.4	TRIANGULAR	2.08%	0.24	11.6	10	4.5	0.00	STREET INLET
	A5	A5	100	10	9.8	0.51	0.90	0.46	0.46	4.5	1.88	TRIANGULAR	2.08%	0.23	11	10	4.5	0.00	STREET INLET
	A6	A6	100	10	9.8	0.66	0.89	0.59	0.59	5.8	1.88	TRIANGULAR	2.08%	0.25	12.1	10	5.8	0.00	STREET INLET
	A7	A7	100	10	9.8	0.49	0.90	0.44	0.44	4.3	1.88	TRIANGULAR	2.08%	0.22	10.8	15	4.3	0.00	STREET INLET
	A8	A8	100	10	9.8	0.28	0.89	0.25	0.25	2.5	1.88	TRIANGULAR	2.08%	0.18	8.8	15	2.5	0.00	STREET INLET
	B1	B1	100	10	9.8	0.43	0.88	0.38	0.38	3.7	1.1	TRIANGULAR	2.08%	0.23	11.3	10	3.7	0.00	STREET INLET
	B2	B2	100	10	9.8	0.46	0.89	0.41	0.41	4.1	0.74	TRIANGULAR	2.08%	0.26	12.6	10	4.1	0.00	STREET INLET
	B3	B3	100	10	9.8	0.68	0.90	0.61	0.61	6	-	TRIANGULAR	0.70%	0.17	-	10	6.0	0.00	STREET INLET
	B4	B4	100	10	9.8	0.69	0.90	0.62	0.62	6.1	0.73	TRIANGULAR	2.08%	0.31	14.7	10	6.1	0.00	STREET INLET
	B5	B5	100	10	9.8	0.49	0.90	0.44	0.44	4.3	0.72	TRIANGULAR	2.08%	0.27	13	5	4.3	0.00	STREET INLET
	B6	B6	100	10	9.8	0.47	0.89	0.42	0.42	4.2	0.68	TRIANGULAR	2.08%	0.27	12.9	5	4.2	0.00	STREET INLET
	B7	B7	100	10	9.8	0.79	0.90	0.71	0.71	7	-	TRIANGULAR	2.08%	0.3	-	20	7.0	0.00	STREET INLET
	B8	B8	100	10	9.8	0.81	0.90	0.73	0.73	7.1	-	TRIANGULAR	2.08%	0.31	-	20	7.1	0.00	STREET INLET

**RECORD
DRAWING
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