

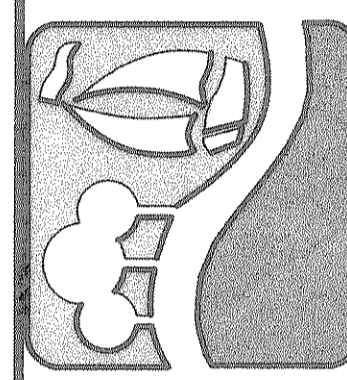
INLET DESIGN CALCULATIONS

INLET No.	DISCHARGES TO	DESIGN	TIME	RAINFALL INTENSITY (in./hr.)	DRAINAGE AREA (acres)	DRAINAGE AREA CA	DRAINAGE AREA (cfs)	CARRY-OVER (cfs)	TOTAL GUTTER FLOW (cfs)	GUTTER SLOPE (%)	STREET SECTION	CROSS-SLOPE OR		PONDED WIDTH (ft)	INLET LENGTH	FLOW COLLECTED	CARRY-OVER (cfs)	REMARKS
		STORM FREQUENCY (years)	OF CONC. (min.)									CROWN (ft/ft)	DEPTH OF FLOW (ft)					
INLET K-7	LAT. K-7	100	10	9.80	2.05	1.64	16.1	0.0	16.1	3.42	TRIANGULAR	0.0208	0.32	15.5	15	11.1	5.0	
INLET K-8	LINE K-8	100	10	9.80	13.11	10.49	102.8	0.0	102.8	-	TRIANGULAR	0.0208	1.01	-	22	102.8	0.0	6'x5' DROP INLET SEE NOTES
INLET K-9	LAT. K-9	100	10	9.80	2.77	2.22	21.8	5.0	26.8	-	TRIANGULAR	0.0208	0.56	-	20	26.8	0.0	
INLET K-9.1	LAT. K-9.1	100	10	9.80	0.97	0.78	7.6	0.0	7.6	-	TRIANGULAR	0.0208	0.35	-	10	7.6	0.0	
INLET L-3	LAT. L-3	100	10	9.80	0.66	0.53	5.2	6.3	11.5	1.00	TRIANGULAR	0.0208	0.36	17.2	15	10.7	0.8	
INLET L-4	LAT. L-4	100	10	9.80	0.87	0.70	6.9	0.0	6.9	2.00	TRIANGULAR	0.0208	0.26	12.5	10	6.1	0.8	
INLET L-4.1	LAT. L-4.1	100	10	9.80	2.43	1.94	19.0	0.0	19.0	2.00	TRIANGULAR	0.0208	0.38	18.2	15	12.7	6.3	
INLET L-4.2	LAT. L-4.2	100	10	9.80	1.55	1.24	12.2	0.8	13.0	1.00	TRIANGULAR	.0208	0.37	18.0	15	11.4	1.6	
INLET L-5	LAT. L-5	100	10	9.80	2.50	2.00	19.6	0.0	19.6	1.32	TRIANGULAR	0.0208	0.41	19.9	15	13.5	6.1	
INLET L-6	LAT. L-6	100	10	9.80	2.29	1.83	17.9	8.5	26.4	-	TRIANGULAR	0.0208	0.56	-	20	26.4	0.0	
INLET L-6.1	LAT. L-6.1	100	10	9.80	1.17	0.94	9.2	0.0	9.2	-	TRIANGULAR	0.0208	0.37	-	10	9.2	0.0	
INLET M-3	LAT. M-3	100	10	9.80	0.79	0.63	6.2	5.5	11.7	-	TRIANGULAR	.0208	0.41	-	15	11.7	0.0	
INLET M-4	LAT. M-4	100	10	9.80	2.23	1.78	17.4	0.0	17.4	0.86	TRIANGULAR	.0208	0.43	20.6	10	9.7	7.7	
INLET M-4.1	LAT. M-4.1	100	10	9.80	2.09	1.67	16.4	7.7	24.1	1.76	TRIANGULAR	0.0208	0.42	20.4	10	9.9	14.2	
INLET M-4.2	LAT. M-4.2	100	10	9.80	0.91	0.73	7.2	14.2	21.4	1.52	TRIANGULAR	0.0208	0.42	20.0	10	9.8	11.6	
INLET M-4.3	LAT. M-4.3	100	10	9.80	1.50	1.20	11.8	0.0	11.8	1.52	TRIANGULAR	0.0208	0.33	16.1	15	10.5	1.3	
INLET M-4.4	LAT. M-4.4	100	10	9.80	0.05	0.04	0.4	11.6	12.0	1.52	TRIANGULAR	0.0208	0.34	16.2	10	7.8	4.2	
INLET M-4.5	LAT. M-4.5	100	10	9.80	0.82	0.66	6.5	0.0	6.5	-	TRIANGULAR	0.0208	0.33	-	10	6.5	0.0	
INLET N-2	LAT. N-2	100	13.1	9.25	8.02	6.42	59.4	0.0	59.4	-	TRIANGULAR	0.0208	0.59	-	16	59.4	0.0	4'x4' DROP INLET SEE NOTES
INLET N-2.1	LAT. N-2.1	100	10	9.80	3.46	2.77	27.1	0.0	27.1	-	TRIANGULAR	0.0060	0.41	-	15	27.1	0.0	
INLET N-2.2	LAT. N-2.2	100	10	9.80	0.32	0.26	2.5	0.0	2.5	-	TRIANGULAR	0.0080	0.16	-	5	2.5	0.0	
INLET N-2.3	LAT. N-2.3	100	10	9.80	0.75	0.60	5.9	0.0	5.9	-	TRIANGULAR	0.0240	0.33	-	5	5.9	0.0	

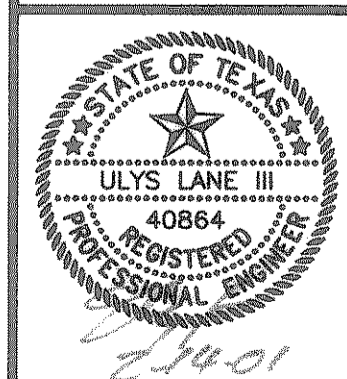
NOTES:

1. Q=102.8 cfs ASSUMES UNDETAINED FULLY DEVELOPED WATERSHED. EXISTING CONDITION Q=55.9 cfs.
2. Q=59.4 cfs ASSUMES UNDETAINED FULLY DEVELOPED WATERSHED. EXISTING CONDITION Q=41.3 cfs.

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INLET DESIGN CALCULATIONS



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