


**INLET DESIGN CALCULATIONS**

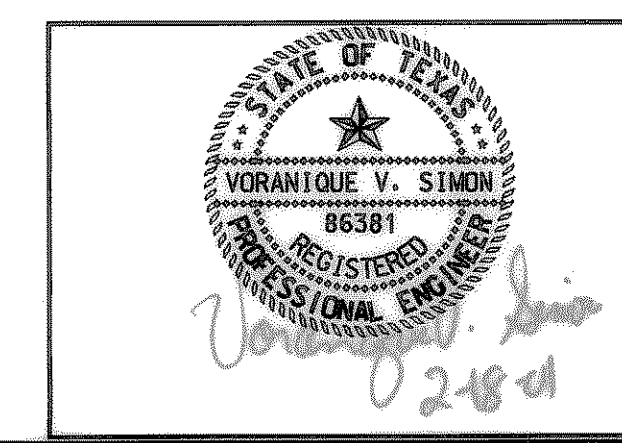
INLET		DESIGN STORM FREQUENCY (YRS.)	AREA RUNOFF Q - CIA					CARRY-OVER FROM UPSTREAM INLET (C.F.S.)	TOTAL GUTTER FLOW (C.F.S.)	GUTTER CAPACITY (C.F.S.)	GUTTER SLOPE (FT./100 FT.)	CROWN TYPE	SELECTED INLET		CARRY-OVER TO DOWNSTREAM INLET (C.F.S.)
NO.	LOCATION		TIME OF CONC. (MIN.)	INTENSITY "I" (IN./HR.)	RUNOFF COEFF. "C"	AREA "A" (AC.)	"Q" (C.F.S.)						LENGTH "L" (FT.)	TYPE	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
B-1	5+68.02	100	10.00	9.81	0.9	1.28	11.31	6.44	11.31			CROSS SLOPE	3X3	DROP	6.44
B-2	7+00.00	100	10.00	9.81	0.9	0.23	2.03	6.44	8.47	18.00	0.50	CROSS SLOPE	15	CURB	
C-1	15+26.00	100	10.42	9.80	0.9	2.06	18.17		18.17	22.00	1.08	CROSS SLOPE	20	CURB	
C-2	13+45.00	100	11.11	9.70	0.9	1.87	16.33		16.33	22.00	1.08	CROSS SLOPE	15	CURB	1.33
C-3	12+50.00	100	11.56	9.70	0.9	1.32	11.52	1.33	12.85	22.00	1.08	CROSS SLOPE	10	CURB	2.85
C-4	11+55.00	100	12.63	9.50	0.9	1.23	10.52	2.85	13.37	18.00	0.50	CROSS SLOPE	10	CURB	3.37 (TO B-2)
C-5	10+51.29	100	10.16	9.80	0.9	0.61	5.38		5.38			CROSS SLOPE	2X2	DROP	
D-1	20+95.00	100	11.87	9.50	0.9	1.84	15.73		15.73	22.50	3.11	CROSS SLOPE	15	CURB	
D-2	24+14.23	100	15.06	9.00	0.9	1.59	12.88	4.35	17.23	18.50	0.56	CROSS SLOPE	20	CURB	
E-1	27+39.05	100	10.00	9.81	0.9	1.04	9.18	15.10	24.28			CROSS SLOPE	5X5	DROP	
E-2	26+52.14	100	10.00	9.81	0.9	0.47	4.15		4.15			CROSS SLOPE	2X2	DROP	

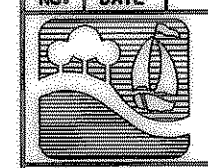

**RECORD DRAWINGS**

These record drawings have been prepared using information provided by the Construction Contractor and/or Owner. The seal and signature below only signifies that the plans have been revised in accordance with the information provided and does not guarantee that these plans accurately show every detail of the constructed project.

  
 Signature Date 4-2-02

P:\rockwall\Townsend Drive\Drawings\Phase1\Townsend InletCalc.Dwg



4			
3			
2			
1			
NO.	DATE	REVISION	APPROV.
 <b>CITY OF ROCKWALL</b> "THE NEW HORIZON"			
TOWNSEND DRIVE			
<b>INLET DESIGN CALCULATIONS</b>  ENGINEERS • PLANNERS • PROJECT MANAGERS			
Unit	A123	Scale	Horz. 1"=20' Vert. 1"=5'
Designed	VVS	Checked	TBS
Drawn	GBA	Approved	RCR
Date	FEBRUARY, 2001	Job No.	15-00925-200
Sheet	19	of	72