

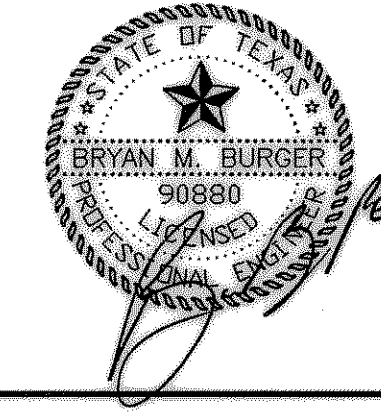
INLET DESIGN  
CALCULATIONS  
BY: LAC  
DATE: 02-17-05

CITY OF ROCKWALL, TEXAS

NO	LOCATION	STORM DESIGN FREQ. (yrs)	AREA RUNOFF - Q=CIA				CARRYOVER FROM UPSTREAM INLET (cfs)	TOTAL GUTTER FLOW (cfs)	GUTTER CAPACITY (cfs)	GUTTER SLOPE (ft/100ft)	CROWN TYPE	SELECTED INLET		CARRYOVER TO DOWNSTREAM INLET (cfs)	
			Tc (min)	"f" (in/hr)	"c"	AREA (Acres)						"Q" (cfs)	LENGTH (feet)		TYPE
1	0+05.77 LN 1.1	100	10	9.8	0.8	0.08	0.6	0	0.6	N/A	5.0	N/A	2	10' C.I.	0
2	0+06.47 LN 1.3	100	10	9.8	0.8	1.73	13.6	0	13.6	N/A	SUMP	N/A	6.4	10' C.I.	0
3	7+52.51 LN 1.0	100	10	9.8	0.8	0.19	1.5	0	1.5	N/A	SUMP	N/A	1	5' C.I.	0
4	0+08.66 LN 1.41	100	10	9.8	0.8	0.56	4.4	0	4.4	N/A	SUMP	N/A	4	5' C.I.	0
5	0+09.07 LN 1.42	100	10	9.8	0.8	0.56	4.4	0	4.4	N/A	SUMP	N/A	4	5' C.I.	0
6	0+08.09 LN 2.0	100	10	9.8	0.8	0.33	2.6	0	2.6	N/A	SUMP	N/A	2	5' C.I.	0
7	0+11.39 LN 4.1	100	10	9.8	0.8	1.12	8.8	0	8.8	N/A	SUMP	N/A	5.1	5' C.I.	0
8	1+72.74 LN 4.2	100	10	9.8	0.8	0.82	6.4	0	6.4	N/A	SUMP	N/A	4.5	10' C.I.	0
9	1+53.65 LN 4.21	100	10	9.8	0.8	0.62	4.9	0	4.9	N/A	SUMP	N/A	4.5	5' C.I.	0
10	0+17.39 LN 4.3	100	10	9.8	0.8	1.30	10.2	0	10.2	N/A	SUMP	N/A	6.5	10' C.I.	0
11	0+17.39 LN 4.4	100	10	9.8	0.8	1.44	11.3	0	11.3	N/A	SUMP	N/A	6.7	10' C.I.	0
12	0+34.29 LN 4.6	100	10	9.8	0.8	0.61	4.8	0	4.8	N/A	SUMP	N/A	4.2	5' C.I.	0
13	7+37.08 LN 4.0	100	10	9.8	0.8	1.20	9.4	0	9.4	N/A	SUMP	N/A	5.8	10' C.I.	0
14	1+41.37 LN 4.7	100	10	9.8	0.8	0.33	2.6	0	2.6	N/A	SUMP	N/A	2	5' C.I.	0
15	0+42.72 LN 5.0	100	10	9.8	0.8	0.43	3.4	0	3.4	N/A	SUMP	N/A	3	5' C.I.	0
16	0+06.72 LN 7.0	100	10	9.8	0.8	0.16	1.3	0	1.3	N/A	SUMP	N/A	1	5' C.I.	0

AS BUILT  
DATE 12/14/05

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY BRYAN M. BURGER, P.E. 90880 ON 9/29/05



REV	DATE	REVISIONS
1	5-02-05	ISSUED FOR CONSTRUCTION
<b>INLET CALCULATIONS</b>		
LOTS 6, 17, 18 & 19, BLOCK A		
HORIZON RIDGE ADDITION		
THE CITY OF ROCKWALL, TEXAS		
LAWRENCE A. CATES & ASSOC., LLP 14800 QUORUM DRIVE, SUITE 200 (972) 388-2272		CONSULTING ENGINEERS DALLAS, TEXAS
DESIGN	DRAWN	DATE
LAC	MCL	02-18-05
SCALE	NOTES	FILE
N.T.S.D.	D.P.	24104 INLETALCS
NO.	C-11	

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