

INLET CALCULATION CHART

INLET LOCATION		Design Storm Frequency (YEARS)	Time Of "C" (MIN)	AREA RUNOFF Q=CA			Runoff (cfs)	Carry-Over From Upstream Inlet (cfs)	Total Gutter Flow (cfs)	Gutter Slope (S)	Street Capacity (ROW=ROW) (cfs)	Crown Type	SELECTED INLET			Inter-captured Flow (cfs)	Carry-Over To Dnstream Inlet (cfs)	Carry-Over To Dnstream Inlet No.
				Intensity (in/hr)	Runoff Coefficient "C"	Area In Acres "A"							Length "L"	Type	Capacity (cfs)			
1	4+48 Alley '1'	100	10	9.80	0.50	1.34	6.57	0	6.57	0.60	8.02	5" Inv	10'	Curb	7.20	6.57	0	--
2	0+60 Alley '1'	100	10	9.80	0.50	1.38	6.76	0	6.76	0.60	8.02	5" Inv	10'	Curb	7.20	6.76	0	--
3*	0+55 Haven Ridge	100	10	9.80	0.50	0.69	3.41	0	3.41	0.50	14.8	6" Par	10'	Curb	7.30	3.41	0	--
4*	0+55 Haven Ridge	100	10	9.80	0.50	0.69	3.40	0	3.40	0.50	14.8	6" Par	10'	Curb	7.30	3.41	0	--
5*	5+40 Market Center	100	10	9.80	0.50	1.48	7.25	0	7.25	0.50	22.5	6" Par	10'	Curb	7.30	7.25	0	--
6*	5+40 Market Center	100	10	9.80	0.50	1.48	7.25	0	7.25	0.50	22.5	6" Par	10'	Curb	7.30	7.25	0	--
7*	Exist. Market Center	100	10	9.80	0.50	0.31	1.52	0	1.52	0.50	22.5	6" Par	10'	Curb	7.30	1.52	0	--
8*	Exist. Market Center	100	10	9.80	0.50	1.00	4.90	0	4.90	0.50	22.5	6" Par	10'	Curb	7.30	4.90	0	--
9	6+35 Alley '3'	100	10	9.80	0.50	1.39	6.81	0	6.81	0.50	7.50	5" Inv	10'	Curb	7.30	6.81	0	--
10	10+30 Alley '3'	100	10	9.80	0.50	1.39	6.81	0	6.81	1.83	14.2	5" Inv	10'	Curb	6.81	6.81	0	--
11	Weston Cul-de-sac	100	10	9.80	0.50	2.16	10.58	0	10.58	Sag	N/A	5" Par	10'	Curb	21.0	10.58	0	--
12	3+54.73 Tubbs	100	10	9.80	0.50	0.87	4.26	0	4.26	Sag	N/A	1/4"/ft	10'	RecCurb	21.0	4.26	0	--
13	3+65 Glenhurst	100	10	9.80	0.50	1.37	6.71	0	6.71	3.00	36.3	5" Par	10'	Curb	5.70	5.70	1.01	15,16
14	3+65 Glenhurst	100	10	9.80	0.50	1.27	6.22	0	6.22	3.00	36.3	5" Par	10'	Curb	5.70	5.70	0.52	15,16
15*	0+72 Glenhurst	100	10	9.80	0.50	1.31	6.44	0.76	7.20	0.50	14.8	6" Par	10'	Curb	7.30	7.20	0	--
16*	0+72 Glenhurst	100	10	9.80	0.50	1.31	6.44	0.77	7.21	0.50	14.8	6" Par	10'	Curb	7.30	7.21	0	--
17	8+60 Tubbs	100	10	9.80	0.50	1.58	7.74	0	7.74	1.60	26.0	1/4"/ft	15'	RecCurb	8.50	7.74	0	--
18	Exist. Alley	100	10	9.80	0.50	1.24	6.08	0	6.08	0.50	7.40	5" Inv	10'	Curb	5.40	5.40	0.68	Ex.Inlet

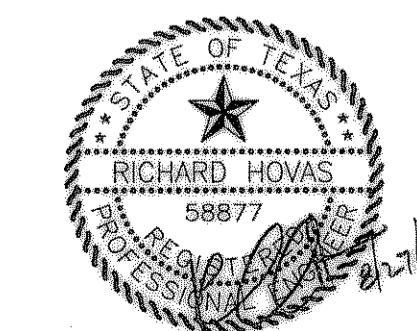
* = Represents 1/2 Of The Drainage Area
 29' B-B Street Capacity To Crown on 0.50% = 8.30cfs
 41' B-B Street Capacity To Crown on 0.50% = 8.80cfs

Line 'A'

RUNOFF COLLECTION POINT		DISTANCE BETWEEN COLLECTION POINTS	INCREMENTAL DRAINAGE AREA								ACCUM-ULATED "CA" IN SYSTEM	BYPASS "CA"	TIME AT UPSTREAM STATION (MIN)	DESIGN STORM (YRS)	INTENSITY "I" (IN/HR)	STORM WATER RUNOFF "Q" (CFS)	SLOPE OF HYDRAULIC GRADIENT "S" (FT/FT)	STORM SEWER SIZE (IN)	VELOCITY IN SEWER BETWEEN POINTS "V" (FPS)	VELOCITY HEAD LOSS (FEET)	FLOW TIME IN SEWER (MIN)	TIME AT DOWN-STREAM STATION (MIN)	REMARKS
UPSTREAM STATION	DOWNSTREAM STATION		INLET NO.	TOTAL AREA "A" (ACRES)	AREA PICKED UP (ACRES)	RUNOFF COEFFICIENT "C"	TOTAL ROSEMENT "CA"	BYPASS FROM UPSTREAM "CA"	TOTAL TO COLLECTION "CA"	INCREMENT. "CA" PICKED UP													
		290±								7.04		10.0	100	9.80	69.04	0.0032	Ex.36"	9.77	1.48	0.49	10.49	Starting Q @ Ex.Storm Manhole Phase 2	
		60±	2-Ex.15'	3.16		0.50	1.58		1.58	1.58	8.62	10.49	100	9.75	84.04	0.0070	Ex.42"	8.74	1.19	0.11	10.60		
		140±	2-Ex.15'	3.62		0.50	1.81		1.81	1.81	10.43	10.60	100	9.75	101.69	0.0050	Ex.48"	8.09	1.02	0.29	10.89		
13+40	12+69	71										10.89			101.69	0.0050	48"	8.09	1.02	0.15	11.04		
12+69	9+27	342	1	1.34		0.50	0.67	0	0.67	0.67	11.14	11.04	100	9.70	108.06	0.0057	48"	8.60	1.15	0.66	11.70		
9+27	9+18	9	5	1.48		0.50	0.74	0	0.74	0.74	11.88	11.70	100	9.60	114.05	0.0063	48"	9.08	1.28	0.02	11.72		
9+18	8+67	51	6,18	2.72		0.50	1.36	0	1.36	1.29	13.17	0.07	11.72	100	9.60	126.43	0.0077	48"	10.06	1.57	0.08	11.80	
8+67	8+10	57	3,4	1.90		0.50	0.95	0	0.95	0.95	14.92	11.80	100	9.60	135.55	0.0089	48"	10.79	1.81	0.09	11.89		
8+10	5+97	213	'B'	10.31		0.50	5.15	0	5.15	5.15	19.27	11.89	100	9.55	184.03	0.0056	5'x4'	9.44	1.38	0.37	12.26		
5+97	4+02	195	9	1.39		0.50	0.69	0	0.69	0.69	19.96	12.26	100	9.50	189.62	0.0059	5'x4'	9.72	1.46	0.33	12.59		
4+02	1+85	219	'A2'	11.88		0.50	5.94	0.07	6.01	6.01	25.97	12.59	100	9.40	244.12	0.0043	7'x4'	9.00	1.26	0.41	13.00		
1+85	0+57	126	10	1.39		0.50	0.70	0	0.70	0.70	26.67	13.00	100	9.30	248.03	0.0044	7'x4'	9.15	1.30	0.23	13.23		
0+57	0+00	57	11,12	3.03		0.50	1.51	0	1.51	1.51	28.18	13.23	100	9.25	260.67	0.0049	7'x4'	9.62	1.43				

AS BUILT PLANS 1/12/2005

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.



08-27-03 4580n

INLET CALCULATIONS						
Lynden Park Estates Phase 4						
City Of Rockwall, Texas						
TIPTON ENGINEERING, INC.						
6330 Broadway Blvd. ~ Suite C ~ Garland, Texas 75043						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
T.E. Inc.	T.E. Inc.	8-2002	1"=100'		4580	12