INLET NO.	PIPE NO.	DRAINAGE AREA (ACRES) C=	Qa i**	SLOPE OF GUTTER OR PVMT. X FALL S	Z* (1/X FALL)	X* (1/Z FALL) n (n=.016)	DEPTH @ CURB*	INLET EFF. Q/Q*	INLET LENGTH	INLET CAP.	BYPASS	BYPASS TO INLET NO.	Q IN PIPE	PIPE DIA.	S SLOPE	LENGTH	TOTAL LENGTH	tc=(t+ti)***	I100** =	Q100 =	BYPASS FROM UPSTREAM	Σ Q @ INLET	DEPTH @ CURB*	INLET EFF. Q/Q*	INLET CAP.	BYPASS	BYPASS TO INLET NO.	MAX STREET CAP.	Q100 IN PIPE	REMARKS
	TA-1	3.29	0.8	4.7			-	-	-	-	-	-	12.7	66"	398	522	13	7.42	19.53	-	-	-	-	-	-	-	-	-	19.53	
A-1	LA-1	2.77	0.9	5.1	SLO BYPASS	0.08	55.6	3.67	0.35	1.5	10	15	0		12.4	21"	48	48	10	7.9	19.2	0	19.2	0.44	1.5	15	4.2	A-6	-	19.2	
	A-2	35.6	0.9	4.5	-	-	-	-	-	-	-	-	-	-	144.2	66"	90	612	14	7.0	224.3	-	-	-	-	-	-	-	-	224.3	
A-2	LA-2	1.92	0.9	5.0	SLO BYPASS	0.04	62.5	4.167	0.32	1.5	10	15	0		18.2	21"	115	115	11	7.7	20.3	0	20.3	0.45	1.5	15	5.5	A-6	-	15.0	
	TA-2	36.95	0.9	4.5											561	66"	114	726	14	7.0	232.7	-	-	-	-	-	-	-	-	231.4	
A-3	LA-3	1.09	0.9	5.1	SLO BYPASS	0.02	45.5	3.33	0.31	1.5	10	15	0		9.6	21"	48	48	10	7.9	15.6	0	15.6	0.37	1.5	15	0.6	A-6	-	15.0	
	TA-3	40.4	0.9	4.5											163.6	66"	14	740	14	7.0	254.5	-	-	-	-	-	-	-	-	248.6	
A-4	LA-4	1.03	0.9	5.0	SLO BYPASS	0.02	39.5	2.22	0.42	1.5	10	15	0		8.2	21"	261	261	11	7.7	12.7	0	12.7	0.48	1.5	15	0	-	-	12.7	
A-5	LA-5	2.78	0.9	5.0	SLO BYPASS	0.02	44.5	3.33	0.39	1.5	10	15	0		11.6	21"	25	25	11	7.7	17.9	0	17.9	0.47	1.5	15	2.7	A-9	-	15.0	
	LA-6	1.41	0.9	5.0											19.9	24"	8	270	11	7.7	30.6	-	-	-	-	-	-	-	-	27.7	
	TA-5	44.81	0.9	4.5											181.5	66"	180	926	14	7.0	280.3	-	-	-	-	-	-	-	-	269.3	
A-6	LA-7	1.04	0.9	5.1	SLO BYPASS	0.04	62.5	4.167	0.28	1.5	10	15	0		7.1	21"	48	48	10	7.9	10.9	10.1	21.0	0.43	1.5	15	6.0	A-8	-	15.0	
	TA-6	46.35	0.9	4.4											182.6	66"	87	1013	15	6.9	289.8	-	-	-	-	-	-	-	-	278.9	
A-7	LA-7	2.82	0.9	5.0	SLO BYPASS	0.04	52.6	3.501	0.37	1.5	15	22.5	0		11.8	24"	110	110	11	7.7	18.2	0	18.2	0.46	1.5	22.5	0	-	-	18.2	
	TA-7	48.97	0.9	4.4											193.9	66"	249	1262	15	6.9	304.1	-	-	-	-	-	-	-	-	296.2	
A-8	LA-8	2.06	0.9	5.0	SLO BYPASS	0.04	62.5	4.167	0.24	1.5	15	22.5	-	-	9.3	24"	16	16	11	7.7	14.5	6.0	20.5	0.32	1.5	22.5	0	-	-	20.5	
A-9	LA-9	3.56	0.9	5.1	SLO BYPASS	0.04	62.5	4.167	0.20	1.5	10	15	0		6.0	27"	38	38	11	7.7	9.2	29	12.1	0.26	1.5	15	0	-	-	22.6	
	TA-8	52.53	0.9	4.4											209.3	72"	26	1288	15	6.9	330.0	-	-	-	-	-	-	-	-	320.0	
A-12	LA-10	2.48	0.9	5.0	SLO BYPASS	0.08	69.6	3.101	0.31	1.5	10	15	5		11.2	21"	25	25	11	7.7	17.2	0	17.2	0.37	1.5	15	2.2	A-13	-	15.0	
A-11	LA-11	0.65	0.9	5.0	INLET										3.1	18"	30	30	11	7.7	4.7	0	4.7	0	-	-	0	-	-	4.7	
	LA-11.1	3.16	0.9	5.0											14.2	24"	75	75	11	7.7	21.9	-	-	-	-	-	-	-	-	19.7	
A-12	LA-12	2.01	0.9	5.1	SLO BYPASS	0.06	62.5	4.167	0.26	1.5	10	15			9.2	21"	88	88	10	7.9	14.3	0	14.3	0.31	1.5	15	0	-	-	14.3	
	LA-12.1	5.17	0.9	5.0	-	-	-	-	-	-	-	-	-	-	23.3	27"	327	327	11	7.7	35.8	-	-	-	-	-	-	-	-	33.6	
	TA-9	57.5	0.9	4.4											227.7	72"	20	1308	15	6.9	357.1	-	-	-	-	-	-	-	-	354.9	
A-13	LA-13	2.29	0.9	5.0	SLO BYPASS	0.06	62.5	4.167	0.25	1.5	15	22.5	-	-	10.3	24"	25	25	11	7.7	15.9	2.2	18.1	0.28	1.5	22.5	0	-	-	18.1	
	TA-10	59.79	0.9	4.4											236.8	72"	6	1314	15	6.9	371.3	-	-	-	-	-	-	-	-	371.3	
A-14	LA-14	2.37	0.9	5.1	SLO BYPASS	0.02	50	3333	0.34	1.5	15	22.5	0	-	10.9	24"			10	7.9	16.9	0	16.9	0.41	1.5	22.5	0	-	-	16.9	
	TA-11	62.16	0.9	4.4	-	-	-	-	-	-	-	-	-	-	246.2	72"	8	1322	15	6.9	386.0	-	-	-	-	-	-	-	-	386.0	
B-1.5	TB-1	3.6	0.9	4.5	0.03%	0.1%	100	6667	0.29	0.7	24'	16.8	0	-	14.5	21"	45	45	14	7.0	22.7	0	22.7	0.28	0.90	16.8	5.9	B-4	-	16.8	*
B-4	LB-4	0	0.9	4.5	0.03%	0.1%	100	6667	0	-	8'	-	-	-	0	18"	18	18	14	7.0	0	5.9	5.9	0.18	0.7	5.9	0	-	-	5.9	
	TB-2	3.6	0.9	4.5	-	-	-	-	-	-	-	-	-	-	14.5	21"	72	117	14	7.0	22.7	-	-	-	-	-	-	-	-	22.7	
B-5	LB-5	1.14	0.9	4.9	SLO BYPASS	0.01	100	6667	0.16	1.5	5	7.5	0	-	5.0	18"	39	39	12	7.5	7.7	0	7.7	0.19	1.5	7.5	0	-	-	7.7	Δ
	TB-3	4.74	0.9	4.5	-	-	-	-	-	-	-	-	-	-	19.2	24"	26	143	14	7.0	29.9	-	-	-	-	-	-	-	-	29.9	
A-15	LA-15	2.85	0.9	5.1	SLO BYPASS	0.03	33.3	2220	0.42	1.5	5	7.5	0	-	3.9	21"	278	278	11	7.7	5.9	-	5.9	0.48	1.5	7.5	0	-	-	5.9	
A-14	LA-14	0.79	0.9	5.0	SLO BYPASS	0.02	50.0	3333	0.41	1.5	5	7.5	0		5.6	24"	13	291	10	7.9	5.6	0	5.6	0.47	1.5	7.5	0	-	-	11.5	

INLET NO.	PIPE NO.	DRAINAGE AREA (ACRES) C=	Qa i**	SLOPE OF GUTTER OR PVMT. X FALL S	Z* (1/X FALL)	X* (1/Z FALL) n (n=)	DEPTH @ CURB*	INLET EFF. Q/Q*	INLET LENGTH	INLET CAP.	BYPASS	BYPASS TO INLET NO.	Q IN PIPE	PIPE DIA.	S SLOPE	LENGTH	TOTAL LENGTH	tc=(t+ti)***	I100** =	Q100 =	BYPASS FROM UPSTREAM	Σ Q @ INLET	DEPTH @ CURB*	INLET EFF. Q/Q*	INLET CAP.	BYPASS	BYPASS TO INLET NO.	MAX STREET CAP.	Q100 IN PIPE	REMARKS

* FROM: TEXAS HIGHWAY DEPARTMENT, HYDRAULIC MANUAL, BRIDGE DIVISION. MARCH 1962. PAGES 6-17, 6-19, 6-21, 6-23.
** FROM: U.S. DEPARTMENT OF COMMERCE, WEATHER BUREAU, RAINFALL INTENSITY-DURATION-FREQUENCY CURVES. MAY 1968. DALLAS, TEXAS, 1914-1951.
*** FROM: HANDBOOK OF STEEL DRAINAGE AND HIGHWAY CONSTRUCTION PRODUCTS, AMERICAN IRON AND STEEL INSTITUTE 1971, PAGE 144.
t_i = INLET TIME = 10 MINUTES OR OVERLAND FLOW TIME WHICHEVER IS GREATER.
t = TRAVEL TIME IN PIPE APPROXIMATED AT 10 FPS.

Δ 2/20/74 DESIGN DATA FOR VILLAGE ON THE PARKWAY - 2ND INSTALLMENT.

9

INLET AND PIPE DESIGN CHART

VILLAGE ON THE PARKWAY

VILLAGE PARKWAY VENTURE

ALBERT H. HALFF ASSOCIATES, INC.-ENGINEERS

CITY OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
AHH & MCCC	MEM	MAY 1978	—	6193		