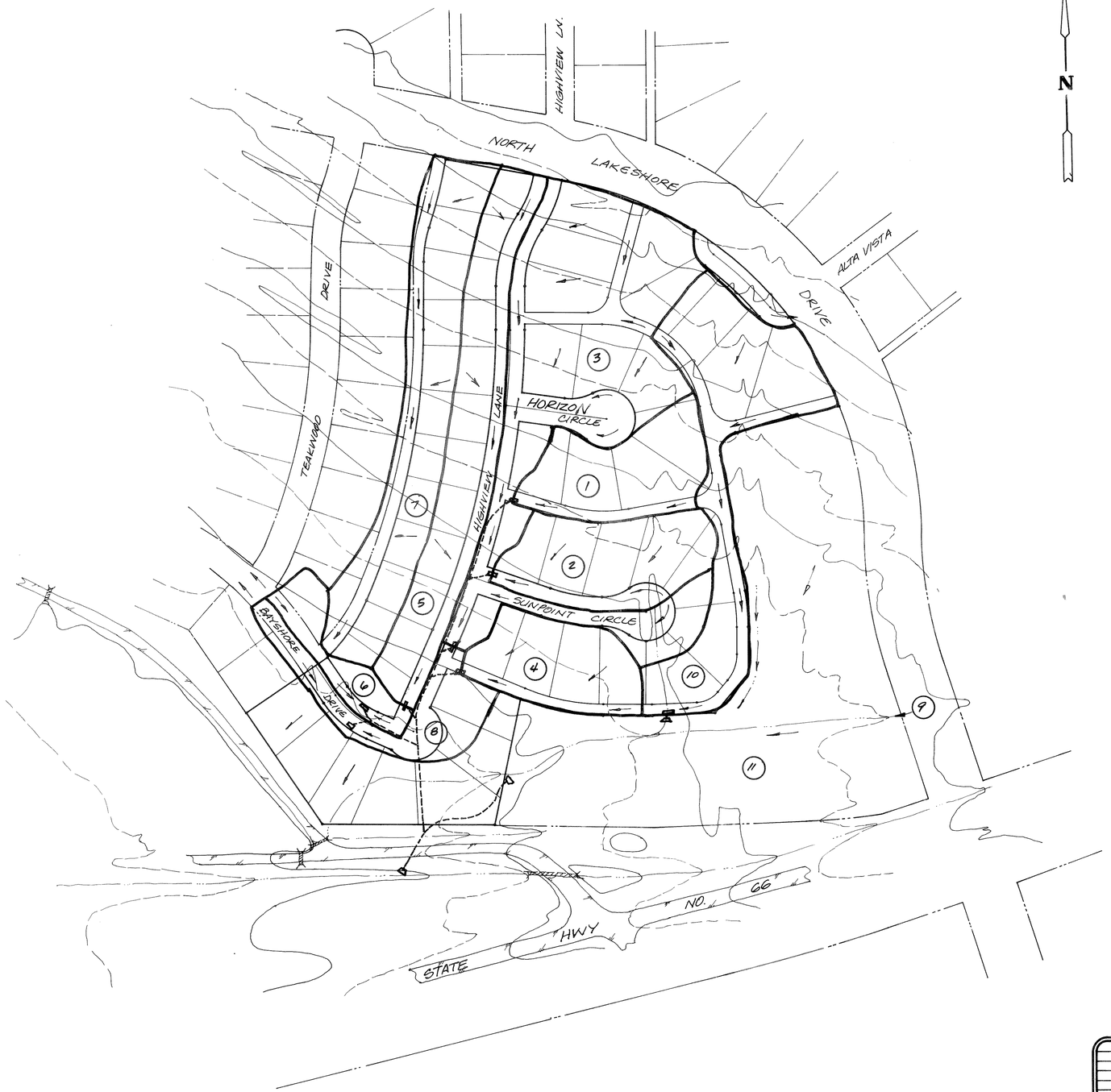

N

DRAINAGE DATA

AREA NO.	ACRES	t_c	C	I_5	Q_5	ACCUM Q_5	I_{100}	Q_{100}	ACCUM Q_{100}			
1	1.02	10.0	0.50	6.2	3.16	3.16	9.80	5.00	5.00	5.00	~	5.00
2	1.16	10.2	"				9.80	5.68	10.68	10.68	~	10.68
3	3.86	10.4	"				9.75	18.82	29.50	11.68	7.20	22.30
4	0.92	10.5	"				9.70	4.46	33.96	4.46	~	26.76
5	1.84	10.6	"				9.70	8.92	42.88	8.92	~	35.68
6	0.46	10.70	"				9.65	2.22				~
7	1.97	10.70	"				9.65	9.51	11.72	11.72		11.72
8	0.78	10.70	"				9.65		3.76	10.96		22.68
9		11.51	"						78.1			58.36
10	2.02	12.00	0.50				9.60	9.70	87.8			~
11	5.40	12.0	0.80				9.60	41.47	129.27	129.27		129.27
Total												187.63

CITY OF ROCKWALL, TEXAS
n = 0.016
COMPUTATION SHEET FOR DETERMINING CAPACITY OF CURB OPENING INLET

INLET TYPE & NO.	STATION	D.A. NO.	Q_p C.F.S.	CARRY-OVER FLOW q C.F.S.	TOTAL FLOW Q_o C.F.S.	Z	Z/N	S_o FT/FT	Y_o FT.	PONDED WIDTH	$\frac{Q}{L_o}$ C.F.S./FT.	$\frac{Q_t}{Q_t/L_o}$ FT.	L FT.	$\frac{L}{L_o}$	$\frac{Q}{Q_o}$	$Q = \frac{Q}{Q_o} * Q_o$	CARRY-OVER FLOW q C.F.S.	REMARKS
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
10'	1315 RT. ALLEY "A"	10	9.07	-0-	9.07	18	11.25	0.040	0.37	6.66	1.00	9.07	10'	1.10	1+	9.07	-0-	
5'	0140 RT. ALLEY "A-1"	1	5.00	-0-	5.00	18	11.25	0.010	0.38	6.84	1.01	4.95	5'	1.01	1+	5.00	-0-	
5'	0160 LT. SUNPOINT CR.	2	5.08	-0-	5.08	28	17.50	0.05	0.42	11.76	1.05	4.84	5'	1.03	1+	5.08	-0-	
15'	8178.12 LT. HIGHVIEW LN.	3	18.82	0.60	19.42	28	17.50	0.040	0.42	11.76	1.05	18.49	15'	0.81	0.88	16.27	3.22 (7.2)	
5'	0140 RT. ALLEY "A"	4	4.46	-0-	4.46	18	11.25	0.080	0.30	5.40	0.92	4.85	5'	1.03	1+	4.46	-0-	
10'	1018.80 RT. HIGHVIEW LN.	5	8.92	-0-	8.92	28	17.50	0.008	0.34	9.52	0.96	9.29	15'	1.61	1+	8.92	-0-	
10'	1138.33 RT. BAYSHORE DR.	6	11.72	-0-	11.72	28	17.50	SAG	0.54	15.12	1.15	9.85	10'	1.01	1+	11.72	0	
10'	1138.33 LT. BAYSHORE DR.	8	3.76	7.2	10.96	28	17.50	SAG	0.46	12.88	1.10	9.96	10'	1.00	1+	10.96	-0-	

AS-BUILT
11-5-87

REVISION DESCRIPTION	DATE	SCALE	DESIGN	DRAWN
REVISED DRAINAGE AREAS 5-12-87	4-14-87	1"= 100'	P.N.	P.N.

HAROLD L. EVANS & ASSOCIATES
Consulting Engineers
P.O. Box 28355
2331 Gus Thomasson Road, Suite 102
Dallas, Texas 75228 (214) 328-8133

DRAINAGE AREA MAP
NORTHSHORE PHASE 4
CITY OF ROCKWALL
ROCKWALL COUNTY, TEXAS

SHEET NO. 7/12
JOB NO. 8670-A

TELEDYNE POST 140-1701