



DRAINAGE AREA CALCULATIONS

DRAINAGE AREA	AREA (ACRES)	RUN-OFF FACTOR	TIME OF CONCENTRATION	INTENSITY IN INCHES / HOUR FOR 10 YEAR STORM	INTENSITY IN INCHES / HOUR FOR 50 YEAR STORM	Q - 10	Q - 50
1	2.94	0.55	15 Min.	6.2	7.3	10.0	11.8
2	2.94	0.52	15 Min.	6.2	7.3	9.5	11.2
3	3.10	0.50	15 Min.	6.2	7.3	9.6	11.3
4	3.60	0.44	15 Min.	6.2	7.3	9.8	11.6
5	4.75	0.44	15 Min.	6.2	7.3	13.0	15.3
6	4.10	0.42	15 Min.	6.2	7.3	10.7	12.6
7	4.13	0.40	15 Min.	6.2	7.3	10.2	12.1
8	3.44	0.40	15 Min.	6.2	7.3	8.5	10.1
9	2.30	0.40	15 Min.	6.2	7.3	5.7	6.7
10	2.85	0.40	15 Min.	6.2	7.3	7.1	8.3
11	3.95	0.40	15 Min.	6.2	7.3	9.8	11.6
12	3.17	0.40	15 Min.	6.2	7.3	7.9	9.3
13	2.53	0.40	15 Min.	6.2	7.3	6.3	7.4
14	3.17	0.40	15 Min.	6.2	7.3	7.9	9.3
15	2.30	0.70	15 Min.	6.2	7.3	10.0	11.8
16	140.0	0.48	15 Min.	6.2	7.3	416.6	490.6
17	61.92	0.58	15 Min.	6.2	7.3	221.2	260.5
18	1.21	0.70	15 Min.	6.2	7.3	5.3	6.2
19	1.21	0.70	15 Min.	6.2	7.3	5.3	6.2
20	2.52	0.70	15 Min.	6.2	7.3	10.9	12.9
21	1.15	0.70	15 Min.	6.2	7.3	5.0	5.9
22	2.26	0.70	15 Min.	6.2	7.3	9.84	11.58

AS BUILT

DRAINAGE AREA MAP				NORTH SHORE ROCKWALL, TEXAS	
DESIGN H.L.E.	DRAWN B.R.S.	SCALE 1" = 400'	DATE DECEMBER 1973	DALLAS HAROLD EVANS CONSULTING ENGINEER 389-8133	