

\\dallas\projects\016-001 - Rockwall\10-drawings_9-14-2003_10:00 PM_1100

AREA NO.	DRAINAGE AREA (ACRES)	PRE-DEV. RUNOFF COEFFICIENT (C)	DEV. RUNOFF COEFFICIENT (C)	PRE-DEV. "TC" (MIN.)	DEV. "TC" (MIN.)	PRE-DEV. INTENSITY-"I" (IN/HR) 100-yr.	DEV. INTENSITY-"I" (IN/HR) 100-yr.	PRE-DEV. RUNOFF - "Q" (CFS) 100-yr.	DEV. RUNOFF - "Q" (CFS) 100-yr.	POND DESIGNATION
1	1.78	0.35	0.8	20	10	8.3	9.8	5.17	13.96	2
2	4.48	0.35	0.8	20	10	8.3	9.8	13.01	35.12	3
3	7.90	0.35	0.8	20	10	8.3	9.8	22.95	61.94	3
4	2.34	0.35	0.9	20	10	8.3	9.8	6.80	20.64	3
5	5.93	0.35	0.8	20	10	8.3	9.8	17.23	46.49	2
6	2.13	0.35	0.9	20	10	8.3	9.8	6.19	18.79	2
7	1.27	0.35	0.9	20	10	8.3	9.8	3.69	11.20	2
8	5.63	0.35	0.8	20	10	8.3	9.8	16.36	44.14	2
9	0.56	0.35	0.9	20	10	8.3	9.8	1.63	4.94	2
10	1.08	0.35	0.8	20	10	8.3	9.8	3.14	8.47	2
11	0.73	0.35	0.8	20	10	8.3	9.8	2.12	5.72	2
12	0.84	0.35	0.8	20	10	8.3	9.8	2.44	6.59	2
13	0.66	0.35	0.8	20	10	8.3	9.8	1.92	5.17	2
14	1.09	0.35	0.8	20	10	8.3	9.8	3.16	8.55	2
15	3.96	0.35	0.8	20	10	8.3	9.8	13.58	31.05	1
16	0.63	0.35	0.8	20	10	8.3	9.8	1.83	4.94	2
17	1.28	0.35	0.9	20	10	8.3	9.8	3.72	11.28	2
18	21.08	0.35	0.8	20	10	8.3	9.8	61.24	165.27	2

DETENTION POND	CONTRIBUTING DRAINAGE AREA TO POND	AGGREGATE RUNOFF COEFFICIENT	TOTAL PRE-DEV. RUNOFF TO POND 100-YR	TOTAL DEV. RUNOFF TO POND 100-YR	TOTAL PRE-DEV. RUNOFF TO POND 2-YR	TOTAL DEV. RUNOFF TO POND 2-YR	TOTAL PRE-DEV. RUNOFF TO POND 5-YR	TOTAL DEV. RUNOFF TO POND 5-YR	TOTAL PRE-DEV. RUNOFF TO POND 10-YR	TOTAL DEV. RUNOFF TO POND 10-YR	TOTAL PRE-DEV. RUNOFF TO POND 25-YR	TOTAL DEV. RUNOFF TO POND 25-YR	TOTAL PRE-DEV. RUNOFF TO POND 50-YR	TOTAL DEV. RUNOFF TO POND 50-YR
1	3.96	0.80	11.50	31.05	5.13	14.57	6.65	17.74	7.97	20.58	9.01	24.08	10.40	28.20
2	44.69	0.81	129.82	354.75	57.87	166.51	75.08	202.71	89.94	235.29	101.67	275.11	117.31	322.17
3	14.72	0.82	42.76	118.29	19.06	55.52	24.73	67.59	29.62	78.46	33.49	91.74	38.64	107.43

SEE SHT C-22 FOR DETENTION CALCULATIONS.

INLET CALCULATIONS															
INLET		Design Storm Frequency (yrs.)	AREA RUNOFF Q = CIA					Carry-Over From Upstream Inlet (cfs.)	Gutter Slope (ft./ft.)	Crown Type	SELECTED INLET			Carry-Over To Downstream Inlet (cfs.)	
No.	Location		Time of Conc. (min.)	Intensity "I" (in./hr.)	Runoff Coeff. "C"	Area (Ac.)	"q" (cfs.)				Length "L" (feet)	Type	Capacity (cfs.)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
B1	LINE "B"	100	10	9.8	0.8	5.93	46.49	0	N/A	N/A	4'x4'	DROP	48	0	
B2	LAT. "B-1"	100	10	9.8	0.9	1.065	9.4	0	SUMP	2%	10	C.I.	15.6	0	
B3	LAT. "B-1"	100	10	9.8	0.9	1.065	9.4	0	SUMP	2%	10	C.I.	15.6	0	
C1	LAT. "C-1"	100	10	9.8	0.9	0.28	2.47	0	0.080	2%	10	C.I.	6.6	0	
C2	LAT. "C-2"	100	10	9.8	0.9	0.28	2.47	0	0.080	2%	10	C.I.	6.6	0	
C3	LAT. "C-2"	100	10	9.8	0.8	1.08	8.47	0	N/A	N/A	4'x4'	DROP	48	0	
C4	LINE "C"	100	10	9.8	0.8	0.73	5.72	0	N/A	N/A	4'x4'	DROP	48	0	
D1	LINE "D"	100	10	9.8	0.9	0.64	5.64	0	SUMP	2%	10	C.I.	15.6	0	
D2	LINE "D"	100	10	9.8	0.9	0.64	5.64	0	SUMP	2%	10	C.I.	15.6	0	
E1	LINE "E"	100	10	9.8	0.9	1.17	10.32	0	SUMP	2%	10	C.I.	15.6	0	
E2	LINE "E"	100	10	9.8	0.9	1.17	10.32	0	SUMP	2%	10	C.I.	15.6	0	

RECORD DRAWINGS
AS PROVIDED BY:
I.C.S. COMMERCIAL
Michael S. Allen
MICHAEL S. ALLEN, P.E.
DATE: 9/25/03

Scale: 1"=100'
Designed by: MSA
Drawn by: MSA
Checked by: MSA
Date: March 14, 2003
Project No. 018-001

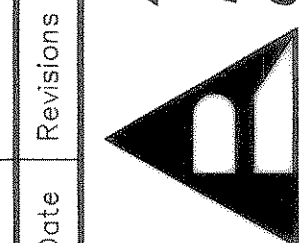
SHEET
C-7
OF 25

DRAINAGE AREA MAP

La Jolla Pointe Addition
ROCKWALL, TEXAS

3/14/03
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No. Date Revisions App.

