



DA	C	I <sub>100</sub>	A	Q <sub>100</sub>
1	0.64	8.88	0.46	2.61
2	0.66	8.88	.754	4.42
3	0.64	8.88	0.81	4.60
4	0.68	8.88	0.62	3.72
5	0.79	8.88	0.65	4.56

AREA 1  
 "C" FACTORS  
 (X) ROOF=0.60; 0.156 ACRES (21%)  
 (Y) PAVEMENT =0.95; 0.2100 ACRES (44%)  
 (Z) SOIL =0.35; 0.2235 ACRES (46%)  
 $.6(.10) + .95(.44) + .35(.46)=0.64$

AREA 2  
 "C" FACTORS  
 (X) ROOF=0.60; 0.3698 ACRES (37%)  
 (Y) PAVEMENT =0.95; 0.3708 ACRES (37%)  
 (Z) SOIL =0.35; 0.2594 ACRES (26%)  
 $.6(.37) + .95(.37) + .35(.26)=0.66$

AREA 3  
 "C" FACTORS  
 (X) ROOF=0.60; 0.3212 ACRES (44%)  
 (Y) PAVEMENT =0.95; 0.2179 ACRES (30%)  
 (Z) SOIL =0.35; 0.1928 ACRES (26%)  
 $.6(.44) + .95(.30) + .35(.26)=0.64$

AREA 4  
 "C" FACTORS  
 (X) ROOF=0.60; 0.0756 ACRES (15%)  
 (Y) PAVEMENT =0.95; 0.2386 ACRES (48%)  
 (Z) SOIL =0.35; 0.1858 ACRES (37%)  
 $.6(.15) + .95(.48) + .35(.37)=0.68$

AREA 5  
 "C" FACTORS  
 (X) ROOF=0.60; 0.1516 ACRES (21%)  
 (Y) PAVEMENT =0.95; 0.4758 ACRES (64%)  
 (Z) SOIL =0.35; 0.1126 ACRES (15%)  
 $.6(.21) + .95(.64) + .35(.15)=0.79$



<b>Cook Consultants, Inc.</b> CIVIL AND STRUCTURAL ENGINEERING LAND SURVEYING AND LAND PLANNING 12250 Inwood road • suite 10 dallas, texas 75244 [214] 387-1890 fax [214] 387-8210				<b>DRAINAGE AREA MAP</b> <b>MARRIOTT RESIDENCE</b> <b>ADDISON, TEXAS</b>			
DATE	DESIGNED	DRAWN	DATE	SCALE	NOTES	FILE	NO.
PROJECT NO. 93063-06	LD	LAC	4-21-95	1"=40'			
REV. NO.	PROJ. NO.	DESCRIPTION	DATE				