



**SURFACE DRAINAGE CALCULATIONS**

DA	C	$I_{top}$ (ft/hr)	A (acres)	$Q_{100}$ (cfs)
1	0.80	8.74	1.86	12.98
2	0.80	8.74	1.61	11.25
3	0.80	8.74	2.79	19.51
4	0.80	8.74	1.33	10.70
5	0.80	8.74	0.191	1.34
6	0.80	8.74	0.98	6.85
7	0.80	8.74	1.47	10.28
8	0.80	8.74	0.14	0.98
9	0.80	8.74	0.25	1.75

**STORMWATER RUNOFF DESIGN CRITERIA**

C = 0.80  
I = 8.74  
 $T_c = 10$  min

**LEGEND**

- DRAINAGE DIVIDE
- FLOW ARROWS
- 5 AREA NO.  
3.05 AREA  
21.32 DISCHARGE

BENCHMARK:  
TOP OF OPERATING NUT ON FIRE HYDRANT,  
433' WEST AND 15' SOUTH OF S.E. CORNER  
OF PROPERTY.  
ELEVATION 606.35

HUE ADDISON ADDITION  
VOL. 84194, PG. 2175  
D.R.D.CO., TX.

COURTYARD DRAINS  
FOR DRAINAGE AREA 1  
BY OTHERS. ALL SEE  
LANDSCAPE PLANS

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12" STORM SEWER EASEMENT  
VOL. 82060, PG. 1627  
D.R.D.CO., TX.

5  
1.91  
1.33

PROP. 30" DIA.  
STM. SEW.

**DRAINAGE AREA MAP**  
TOWN HOMES OF ADDISON

**DEPARTMENT OF PUBLIC WORKS**  
TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
LD	LAC	10/25/95	1"=40'	CCI		

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