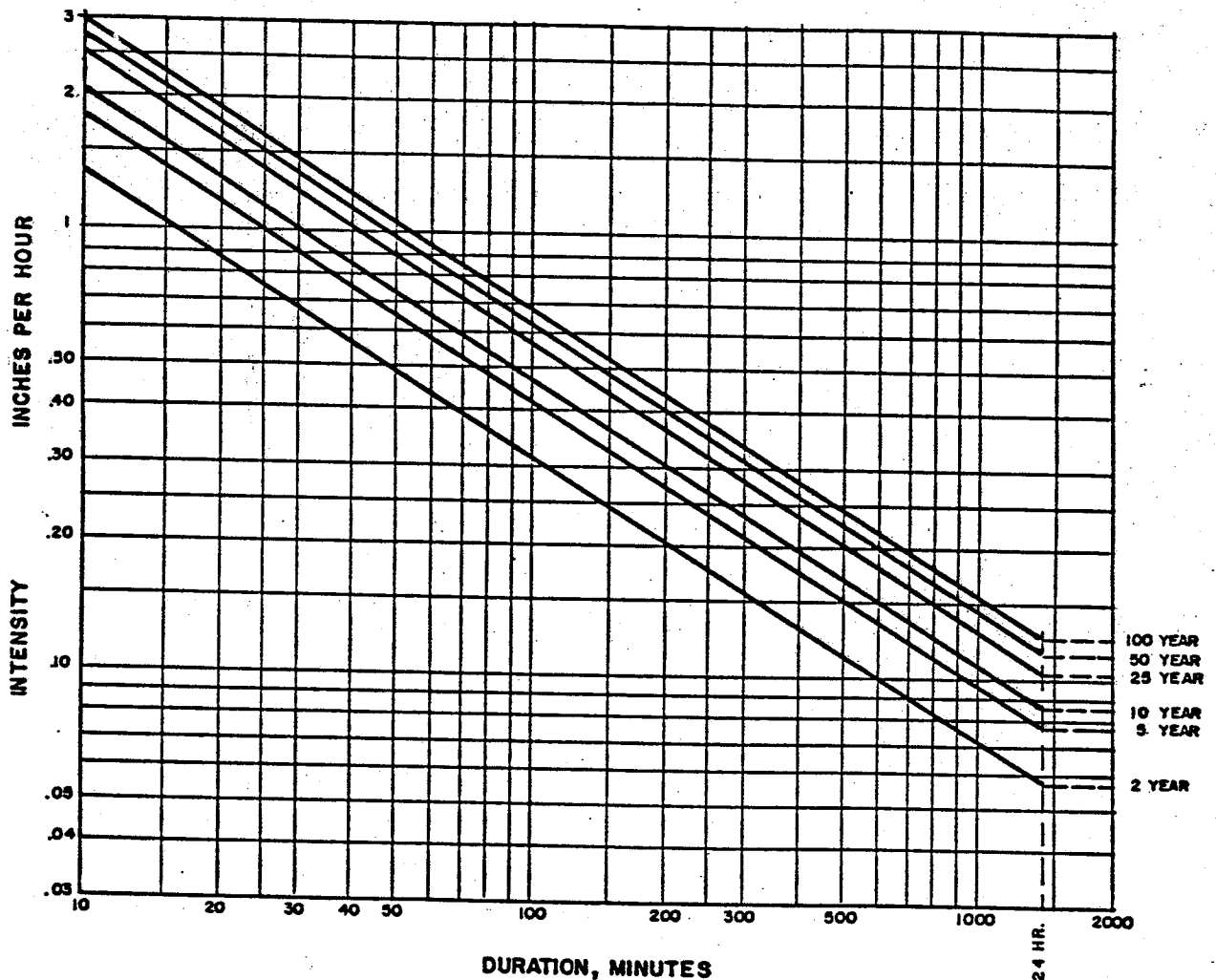


INTENSITY - DURATION - FREQUENCY CURVE

FIGURE A-3



GIVEN DURATION = 100 MINUTES, 10 YEAR STORM
 GRAPH GIVES INTENSITY = 0.47 IN./HR.

$$I_{50} = 12(t)^{-0.64}$$

for $t = 10$ Min. to 14,000 Min.

t min	720	1440	2880	4320	5760	7200	8640	10080
I_{50} in/hr	.178	.114	.073	.057	.047	.041	.036	.033

CURVE BASED ON CALIFORNIA DEPARTMENT OF WATER RESOURCES STATISTICS FOR THE
 MERCED RAIN GAGE DATA FROM 1940 TO 1978.

ENGINEERING DEPARTMENT

CITY OF MERCED, CALIF.

STORM DRAIN DESIGN REFERENCE DATA

DRAWN: K. E.

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8-5-91

REVISED

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SD-27

SHEET

OF