

**TABLE A-1
BASIC RUNOFF AND VOLUME COEFFICIENTS**

<u>SURFACE</u>	<u>RUNOFF COEFFICIENTS</u>	<u>VOLUME COEFFICIENTS</u>
Pavement	0.95	0.95
Roofs	0.80	0.90
Compacted earth without paving	0.65	0.80
Lawns and open lands	0.10	0.25
Cultivated lands (row crops in heavy loam or clay)	0.10-0.25	0.25-0.40
Cultivated lands (row crops in sandy soil)	0.05-0.10	0.20-0.25

**TABLE A-2
COMPOSITE RUNOFF AND VOLUME COEFFICIENTS AND MINIMUM OVERLAND TRAVEL TIMES FOR VARIOUS LAND USES (1)**

<u>LAND USE</u>	<u>PERCENT IMPERVIOUS</u>	<u>RUNOFF COEFFICIENT C</u>	<u>VOLUME COEFFICIENT V</u>	<u>MINIMUM OVERLAND TRAVEL TIME (MIN.)</u>
Residential				
Suburban Density (Rural Residential 1.0-acre lots)	15	0.15	0.30	30
Low Density (Single-Family)	30	0.25	0.40	20
Medium Density (Multi-Family)	55	0.40	0.55	20
Business and Commercial	85	0.70	0.85	10
Industrial⁽¹⁾				
Restrictive Light	70	0.55	0.70	10
General	85	0.70	0.85	10

(1) In lieu of using this table, composite coefficients may be determined for land uses within a development by using the basic coefficients shown in Table A-1.

ENGINEERING DEPARTMENT

CITY OF MERCED, CALIF

STORM DRAIN DESIGN REFERENCE DATA

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