

5. Two-year discharge rate for existing drainage area in cubic feet per second.
6. Inflow-outflow diagram for basins with non-interruptible outlet.
7. Depth-capacity curve for basin selected.

D. PERCOLATION BASIN CALCULATIONS

Showing:

1. Drainage area in acres.
2. Weighted volume coefficient.
3. Inflow calculations.
4. Inflow-outflow diagram.
5. Basin design calculation.
6. Soils report giving recommended percolation rate in cubic feet per square foot per day, factor of safety recommended and all field test data with full documentation.
7. Depth capacity curve for basin selected.

ENGINEERING DEPARTMENT

CITY OF MERCED, CALIF

STORM DRAIN DESIGN

DRAWN: K.E.

APPROVED BY:

DATE

ENG.

Steve M. Stroud

8-5-91

REVISED

CITY ENGINEER

SD-21

SHEET

OF