RETURN PERIOD  EQUATION OF CURVE

100 year  \[ i = \frac{4688}{(td+17)^{0.9624}} \]
50 year  \[ i = \frac{3886}{(td+17)^{0.9495}} \]
25 year  \[ i = \frac{3158}{(td+17)^{0.9355}} \]
10 year  \[ i = \frac{2221}{(td+12)^{0.9080}} \]
5 year  \[ i = \frac{1593}{(td+11)^{0.8789}} \]

COMMERCIAL
- DOWNTOWN & SUBURBAN SHOPPING  0.90

INDUSTRIAL
- DOWNTOWN  0.90
- SUBURBAN INDUSTRIAL PARKS  0.75

RESIDENTIAL
- APARTMENTS  0.75
- ROW DWELLINGS  0.70
- DUPLEX DWELLINGS  0.70
- SEMI-DETACHED-DOWNTOWN  0.60
- SINGLE FAMILY-DOWNTOWN  0.60
- SEMI-DETACHED-SUBURBAN  0.50
- SINGLE FAMILY-SUBURBAN  0.40

SCHOOLS, CHURCHES, HOSPITALS  0.75

PARKS, CEMETERIES, RAILYARDS
- OVER 4Ha  0.20
- UNDER 4Ha  0.25

INLET TIMES

SUBURBAN RESIDENTIAL
- (ROOF DRAINS UNCONNECTED)  15MIN.
- (ROOF DRAINS CONNECTED)  10MIN.

SUBURBAN, COMMERCIAL, INDUSTRIAL, MULTIPLE FAMILY  10MIN.

DOWNTOWN COMMERCIAL, HIGH DENSITY APARTMENTS, EXPRESSWAYS  5MIN.