

City Utilities Design Standards Manual

20 - 02

95

86.

85. 95. 98.

95

58. 98.

.95 .98

.95 98 98

85 98 98

98

85. 98.

85. 95. 98.

95

5&10 50 100

Commercial

Industrial

06-59

8 6 6

98.

98.

90 95

98 98

90 .90

90 .90

98 38

90 95

98.

98.

98.

5&10 50 100

40 - 60

.73

25.25

99.

20 27

99.17.

99

09.86

58 99

56 63

58

12. 49. 79.

55 59

5&10 50 100

High Density Residential

(<12,000 sf)

Percent-Impervious Surface*

+%9

7-6% ۵

0-5%

+%9

7-6%

0-2%

+%9

7-6% 8

0-5%

+%9

2-6%

0-5%

K

Soil Group**** Hydrologic

Land Slope

Land Use

U

Exhibit SW5-2 Runoff Coefficients for Use in Rational Formula

Created: May 2012 Revised:

15-30***

50 50

8 2 8

6 4 4

8 2 2

644

38 5 4

5 4 4

E 4 4

33

38 5 5

8 4 4

35 37

5&10 50 100

Density Residential (12000 to

1/2 acre)

Medium

Average range of percent-impervious surface expected for designated land-use condition. **

Design storm return frequency in years.

Where percent-impervious surface ran ges between 30 and 40 percent (e.g. 35%) interpolate runoff coefficient between values given.
Hydrologic soil group for a particular type of soil may be obtained from the "Soil Survey of Allen County" by the U.S.D.A.'s Soil Conservation Service or th Plan for Storm Drainage", by the Three Rivers Coordinating Council, April 1972.

e "Master

less than 5

43 88

32 34 34

25 25 26 26

34 36

25 25 25

23 24 24

25 . 28 . 29

20 27

31. 81. 19

23 53 75

.18

4 5 7

5&10 50 100

and Other Open Land

Agricult.

5-15

5 6 5

38 9

36 34 36

38 43

36 34 36

32 32 34

36

33

23

34 32 28

28 .28

23 57

5&10 50 100

Density Residential

Low

(>1/2 acre)

Calculated "C" factors based upon actual conditions may be used. NOTE:

AVERAGE RUNOFF COEFFICIENTS FOR USE IN RATIONAL FORMULA