

Appendix F:
U.S. Soil Conservation Type II Storms

U.S. SOIL CONSERVATION SERVICE TYPE II STORMS

<u>Storm Frequency</u>	<u>24 Hour Rainfall (inches)</u>
1 yr.	2.2"
2 yr.	2.4"
5 yr.	3.1"
10 yr.	3.6"
25 yr.	4.1"
50 yr.	4.5"
100 yr.	4.8"

Source: Engineering Field Manual for Conservation Practices, U.S. Dept. of Agriculture, Soil Conservation Service.

Precipitation Frequency Data: Wayne County, Michigan

The following table indicates how often (return period) a particular amount of precipitation can be expected for a given measurement period for the Wayne County area of Michigan. For example, a 24-hour rainfall of 4.0 inches can be expected once every 25 years.

	<u>Return Period</u>						
	<u>1 yr.</u>	<u>2 yrs.</u>	<u>5 yrs.</u>	<u>10 yrs.</u>	<u>25 yrs.</u>	<u>50 yrs.</u>	<u>100 yrs.</u>
30 min.	0.8	1.0	1.2	1.4	1.6	1.8	1.9
1 hour	1.0	1.2	1.5	1.7	2.0	2.3	2.5
2 hours	1.2	1.4	1.8	2.1	2.3	2.7	2.9
3 hours	1.3	1.6	1.9	2.3	2.6	2.8	3.2
6 hours	1.6	1.8	2.3	2.7	3.0	3.2	3.7
12 hours	1.7	2.2	2.7	3.1	3.5	3.8	4.3
24 hours	2.1	2.4	3.0	3.5	4.0	4.4	4.9

NOTE: The above data was obtained from Weather Bureau Technical Paper No. 40, Rainfall Frequency Atlas of the United States, published May, 1961. The values listed in the table vary with location and the table is not applicable to any other area.