

Table 1: The following 24-hour precipitation amount should be used for design for each of the respective county. (REF: National Weather Service, Technical Publication No. 40, May 1961)

<u>Storm Event</u>	<u>24-Hour Rainfall Depth in Inches</u>		
	<u>Sussex County</u>	<u>Kent County</u>	<u>New Castle County</u>
2-year	3.5	3.4	3.3
10-year	5.6	5.4	5.2
25-year	6.3	5.9	5.7
50-year	7.0	6.8	6.5
100-year	7.9	7.6	7.3

Table 2: Curve Number and 24-hour Precipitation Amount for 0.5 inch and 1.0 inch Runoff.
Refer to DelDOT Pond Design Handbook for their use.

Curve Number	<u>24-Hr P for Indicated Runoff</u>		Curve Number	<u>24-Hr P for indicated Runoff</u>	
	0.5 inch	1.0 inch		0.5 inch	1.0 inch
55	4.0	5.1	75	2.25	3.1
56	3.9	5.0	76	2.2	3.0
57	3.8	4.8	77	2.1	2.9
58	3.7	4.7	78	2.05	2.8
59	3.6	4.6	79	2.0	2.75
60	3.5	4.5	80	1.9	2.7
61	3.4	4.4	81	1.85	2.6
62	3.3	4.3	82	1.8	2.5
63	3.2	4.2	83	1.7	2.45
64	3.1	4.1	84	1.65	2.4
65	3.0	4.0	85	1.6	2.3
66	2.9	3.9	86	1.5	2.2
67	2.8	3.8	87	1.45	2.15
68	2.75	3.7	88	1.4	2.1
69	2.7	3.6	89	1.35	2.0
70	2.6	3.5	90	1.25	1.9
71	2.5	3.4	91	1.2	1.85
72	2.45	3.3	92	1.15	1.75
73	2.4	3.25	93	1.05	1.65
74	2.3	3.2	94	1.0	1.6
			95	0.95	1.5