$x_{T,D}=A_{T,D}+(B_{T,D}MAP)$ $i_{T,D}=x_{T,D}/D$

$x_{T,D}$ = precipitation depth (inches)

T = return period (years)

D = storm duration (hours)

$A_{T,D}$, $B_{T,D}$ = coeffiecients from Tables B-1 and -2 *Drainage Manual 2007, County o*

MAP = Mean Annual Precipitation (inches)

MAP = 16 inches

T	D (min)	$A_{T,D}$	$B_{T,D}$	$X_{T,D}$	$i_{T,D}$
2	**5**	0.120194	0.001385	0.142354	1.708248
	15	0.176618	0.003181	0.227514	0.910056
	30	0.212497	0.00595	0.307697	0.615394
	60	0.253885	0.010792	0.426557	0.426557
5	**5**	0.170347	0.001857	0.200059	2.400708
	15	0.250029	0.004036	0.314605	1.25842
	30	0.307588	0.007082	0.4209	0.8418
	60	0.357109	0.0134	0.571509	0.571509
10	**5**	0.201876	0.002063	0.234884	2.818608
	15	0.294808	0.00471	0.370168	1.480672
	30	0.367861	0.007879	0.493925	0.98785
	60	0.427723	0.014802	0.664555	0.664555
25	**5**	0.230641	0.002691	0.273697	3.284364
	15	0.348021	0.005594	0.437525	1.7501
	30	0.443761	0.008719	0.583265	1.16653
	60	0.508791	0.01668	0.775671	0.775671
50	**5**	0.249324	0.003241	0.30118	3.61416
	15	0.384016	0.006315	0.485056	1.940224
	30	0.496301	0.009417	0.646973	1.293946
	60	0.568345	0.017953	0.855593	0.855593
100	**5**	0.269993	0.00358	0.327273	3.927276
	15	0.42136	0.006957	0.532672	2.130688
	30	0.553934	0.009857	0.711646	1.423292
	60	0.626608	0.019201	0.933824	0.933824

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