

Exhibit A

Time of Concentration Calculations for Belle Chase Addition
Feb 6 2006

Time of Concentration (using the FAA Formula):

$$T_c = ((1.8) (1.1 - C) (D^{0.5})) / (S^{0.33})$$

where:

T_c = time of concentration in minutes

C = runoff coefficient (dimensionless, 0 < C < 1.0)

D = distance in feet from the point of interest to the point in the watershed from which the time of flow is the greatest

S = slope in percent

Basin Name	C factor	D (Dist)(feet)	High Elevation (Feet)	Low Elevation (Feet)	S (calculated)	Tc
West (Undeveloped)	0.67	2465	1348	1314	0.014	23
West (Developed)	0.76	1645	1333	1314	0.012	16