TABLE 1A

TOWN OF ATHERTON
DRAINAGE CRITERIA

Precipitation Values
Atherton, 2-Year Event, MAP 18 inches

Duration (minutes)	Rainfall Amount (inches)	Rainfall Intensity (inches/hour)	Intensity from Equation (inches/hour)
5			1.64
10	0.20	1.19	1.16
15	0.24	0.95	0.95
30	0.34	0.68	0.67
60	0.47	0.47	0.47
120	0.67	0.34	0.34
180	0.82	0.27	0.27

Equation: $I = K_1 * K_2 / Tc^{n}$

I 2-yr = 3.67 $* K_2 / Tc$^ 0.5

Where K_2 varies with MAP and is from Table 2

TOWN OF ATHERTON
DRAINAGE CRITERIA

Precipitation Values
Atherton, 10-Year Event, MAP 18 inches

Duration (minutes)	Rainfall Amount (inches)	Rainfall Intensity (inches/hour)	Intensity from Equation (inches/hour)
5			2.76
10	0.33	**1.99**	1.95
15	0.40	**1.59**	1.59
30	0.57	**1.14**	1.13
60	0.80	**0.80**	0.80
120	1.13	**0.56**	0.56
180	1.38	**0.46**	0.46

Equation: $I = K_1 * K_2 / Tc^n$

I 10-yr = 6.18 $* K_2 / Tc^{\wedge}$ 0.5

Where K_2 varies with MAP and is from Table 2

TABLE 1C

TOWN OF ATHERTON
DRAINAGE CRITERIA

Precipitation Values
Atherton, 25-Year Event, MAP 18 inches

Duration (minutes)	Rainfall Amount (inches)	**Rainfall Intensity (inches/hour)**	Intensity from Equation (inches/hour)
5			3.30
10	0.39	2.32	2.34
15	0.47	1.89	1.91
30	0.68	1.36	1.35
60	0.95	0.95	0.95
120	1.36	0.68	0.67
180	1.65	0.55	0.55

Equation: $I = K_1 * K_2 / Tc^n$

I 25-yr =   7.39 $* K_2 / Tc^{\wedge}$ 0.5

Where K_2 varies with MAP and is from Table 2

TABLE 1D

TOWN OF ATHERTON
DRAINAGE CRITERIA

Precipitation Values
Atherton, 100-Year Event, MAP 18 inches

Duration (minutes)	Rainfall Amount (inches)	**Rainfall Intensity (inches/hour)**	Intensity from Equation (inches/hour)
5			4.10
10	0.33	2.91	2.90
15	0.40	2.40	2.37
30	0.57	1.71	1.67
60	0.80	1.19	1.18
120	1.13	0.84	0.84
180	1.38	0.68	0.68

Equation: $I = K_1 * K_2 / Tc^{n}$

I 100-yr =   9.17 $* K_2 / Tc^{\wedge}$ 0.5

Where K_2 varies with MAP and is from Table 2