

Existing Site Drainage

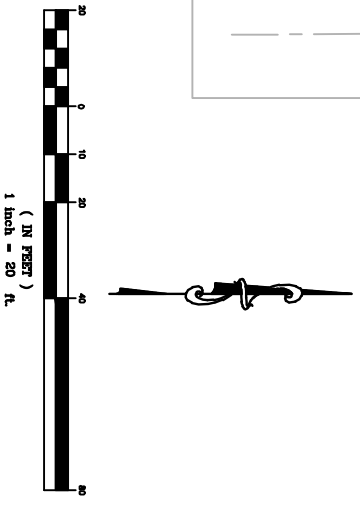
Area	Acres	Tc	C2	C5	C10	C25	C100	12	15	110	125	1100	Q2	Q5	Q10	Q25	Q100
1	0.59	15	0.52	0.54	0.59	0.63	0.68	3.83	4.56	5.22	6.06	7.37	1.18	1.45	1.82	2.25	2.96
2	0.38	15	0.52	0.54	0.59	0.63	0.68	3.83	4.56	5.22	6.06	7.37	1.06	1.31	1.67	2.10	2.74
3	0.20	15	0.52	0.54	0.59	0.63	0.68	3.83	4.56	5.22	6.06	7.37	0.40	0.49	0.62	0.76	1.00
4	0.55	15	0.52	0.54	0.59	0.63	0.68	3.83	4.56	5.22	6.06	7.37	1.01	1.31	1.69	2.10	2.76

Proposed Site Drainage

Area	Acres	Tc	C2	C5	C10	C25	C100	12	15	110	125	1100	Q2	Q5	Q10	Q25	Q100
1	0.59	15	0.68	0.69	0.73	0.75	0.80	3.83	4.56	5.22	6.06	7.37	1.54	1.86	2.32	2.88	3.74
2	0.38	15	0.68	0.69	0.73	0.75	0.80	3.83	4.56	5.22	6.06	7.37	1.20	1.49	1.91	2.41	3.07
3	0.20	15	0.68	0.69	0.73	0.75	0.80	3.83	4.56	5.22	6.06	7.37	0.52	0.63	0.81	1.01	1.30
4	0.55	15	0.68	0.69	0.73	0.75	0.80	3.83	4.56	5.22	6.06	7.37	1.43	1.73	2.24	2.84	3.64

Note:
 Site drainage calculations are developed using the Rational Method for peak runoff. "C" & "I" values are established from the City of Wichita Design Criteria.
 Storm Water Detentions are achieved through inlet and deter drains. The drainage pattern of developed site is in accordance to the Mapleridge addition drainage plan.

BENCHMARK:
 City disc on southwest corner of Maple and Ridge, 69' south of centerline, 97' west of centerline and 10.5' north of face of sidewalk.
 Elevation = 1329.47 MSL.



Applebee's
Drainage Plan
 Wichita, Kansas

PROJECT NUMBER: _____

REV. NO.	FILE	DATE	SHEET
03/04/11	grd/eng	06/20/09	1 of 1
DESIGN	DRAWN	REVISION	
KAM	GP		

kemiller
 engineering

316/284-0242
 816 S. Market
 Wichita, KS 67202