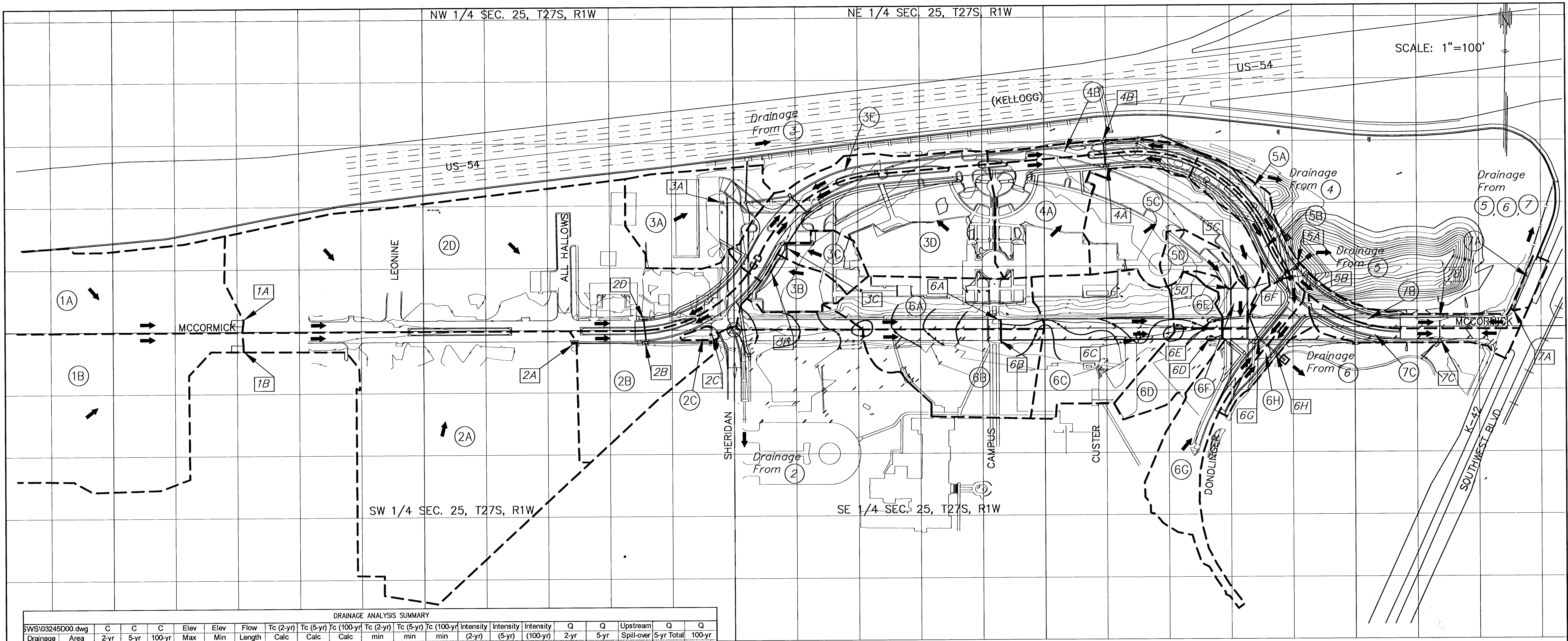




DRAINAGE ANALYSIS SUMMARY																					
SWS\03245D00.dwg		C	C	Elev	Elev	Flow	Tc (2-yr)	Tc (5-yr)	Tc (100-yr)		Tc (2-yr)	Tc (5-yr)	Tc (100-yr)	Intensity	Intensity	Intensity	Q	Q	Upstream	Q	Q
Drainage	Area	2-yr	5-yr	100-yr	Max	Min	Length	Calc	Calc	Calc	min	min	min	(2-yr)	(5-yr)	(100-yr)	2-yr	5-yr	Spill-over	5-yr Total	100-yr
Area	(ac.)				(ft.)	(ft.)	(ft.)	(min.)	(min.)	(min.)	(min.)	(min.)	(min.)	(in./hr.)	(in./hr.)	(in./hr.)	(cfs)	(cfs)	(cfs)	(cfs)	(cfs)
1A	3.84		0.69	0.8	116	113.5	1230		44	32		44	32		2.61	5.22		6.92		6.92	16.04
1B	6.56		0.69	0.8	115.84	113.5	1170		43	32		43	32		2.64	5.22		11.97		11.97	27.44
2A	5.42		0.27	0.46	116	111.13	995	59.7975	46.1089		59	46			2.18	4.33		3.19021	2.43	5.62021	10.7956
2B	1.32		0.33	0.53	111.9	110.49	390	38.4205	28.4411		38	28			2.84	5.59		1.2371	2.100212	3.33732	10.93
2C**																					
2D	5.89		0.6	0.73	113.5	110.68	1030	44.4807	32.9157		44	32			2.61	5.22		9.22374	0	9.22374	22.4444
3A	1.2		0.81	0.88	115.54	111.53	450	11.5071	8.7295		15	15			4.58	7.37		4.43232		4.43232	7.78272
3B	0.36		0.85	0.91	115	112.27	250	6.90944	5.25118		15	15			4.58	7.37		1.39536		1.39536	2.41441
3C	0.31		0.85	0.91	112	109.5	200	5.90782	4.48994		15	15			4.58	7.37		1.20156		1.20156	2.07908
3D	1.93		0.69	0.79	115.1	110.7	610	20.324	15.3669		20	15			4	7.37		5.3268		5.3268	11.237
3E	0.58		0.62	0.72	113.34	110.7	435	21.2837	16.8496		21	16			3.9	7.18		1.40244		1.40244	2.99837
4A	1.32		0.83	0.73	115.05	111.39	455	19.4036	15.2752		19	15			4.1	7.37		3.40956		3.40956	7.10173
4B	0.28		0.81	0.87	114.1	111.39	225	7.35928	5.83667		15	15			4.58	7.37		1.03421		1.03421	1.79533
5A	0.26		0.81	0.88	114.1	110.17	320	8.71969	6.61494		15	15			4.58	7.37		0.96034		0.96034	1.68826
5B	0.26		0.81	0.88	114.1	110.17	320	8.71969	6.61494		15	15			4.58	7.37		0.96034		0.96034	1.68826
5C	1.34		0.62	0.72	114.88	109.72	605	22.4091	17.7405		22	17			3.81	6.84		3.17		3.17	6.6
5D	0.28		0.55	0.67	114.55	109.82	315	15.3443	11.9964		15	15			4.58	8.02		0.7		0.7	1.51
6A	1.02	0.32			114	110.88	380	29.228			29				2.72		0.88781				
6B	1.5	0.23			115.19	110.88	403	30.6938			30				2.67		0.92115				
6C	1.6	0.42			113	109.95	245	17.8097			17				3.61		2.42592				
6D	0.49	0.2			112	109.5	264	26.8043			26				2.9		0.2842				
6E	0.23	0.23			114.54	109.5	143	12.3059			15				3.83		0.20261				
6F	0.2		0.42	0.57	114	109.4	207	13.4953	10.5184			15	15		4.58	7.37		0.38304		0.38304	0.84018
6G	1.27		0.75	0.83	112.24	108.65	630	19.073	14.7134		19	15			4.1	7.37		3.90525	0.960336	4.86559	7.76872
6H	0.21		0.81	0.88	110.89	108.65	705	20.3109	15.4083		20	15			4	7.37		0.6804		0.68	1.36198
7A	0.09		0.81	0.88	113.25	111.91	130	5.8919	4.46972		15	15			4.58	7.37		0.46		0.46	0.82
7B	0.39		0.81	0.88	111.68	108.64	360	10.4784	7.94914		15	15			4.58	7.37		1.63	1.11	2.74	5.03
7C	0.39		0.81	0.88	110.58	108.69	330	11.4184	8.6622		15	15			4.58	7.37		1.63		1.63	3.03

** Area served by drop inlet considered to be negligible. 2C area is included in area 2B.

*** The design allowable width of spread on proposed McCormick is 7.25'. This will provide an 8' corridor between median curb and edge of water. The spread may increase to 14.0' where medians do not exist. The design allowable width of spread on proposed Dondlinger is 11.0'. This will provide two 8' lanes between the edges of water.

* Sheridan
Dondlinger

- LEGEND
- (1A) DRAINAGE AREA
 - 1A INLET I.D. NUMBER
 - DRAINAGE BASIN BOUNDARY
 - ➔ DRAINAGE DIRECTION

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MKEC
ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

McCORMICK AVENUE STREET IMPROVEMENTS
PROJECT NAME

McCORMICK - SPECIAL DRAINAGE PLAN
SHEET TITLE

LAC	DPG	JRA
DESIGN BY:	DRAWN BY:	CHECKED BY:
AUGUST 2005	03245	69/111
DATE	JOB NO.	SHEET/OF