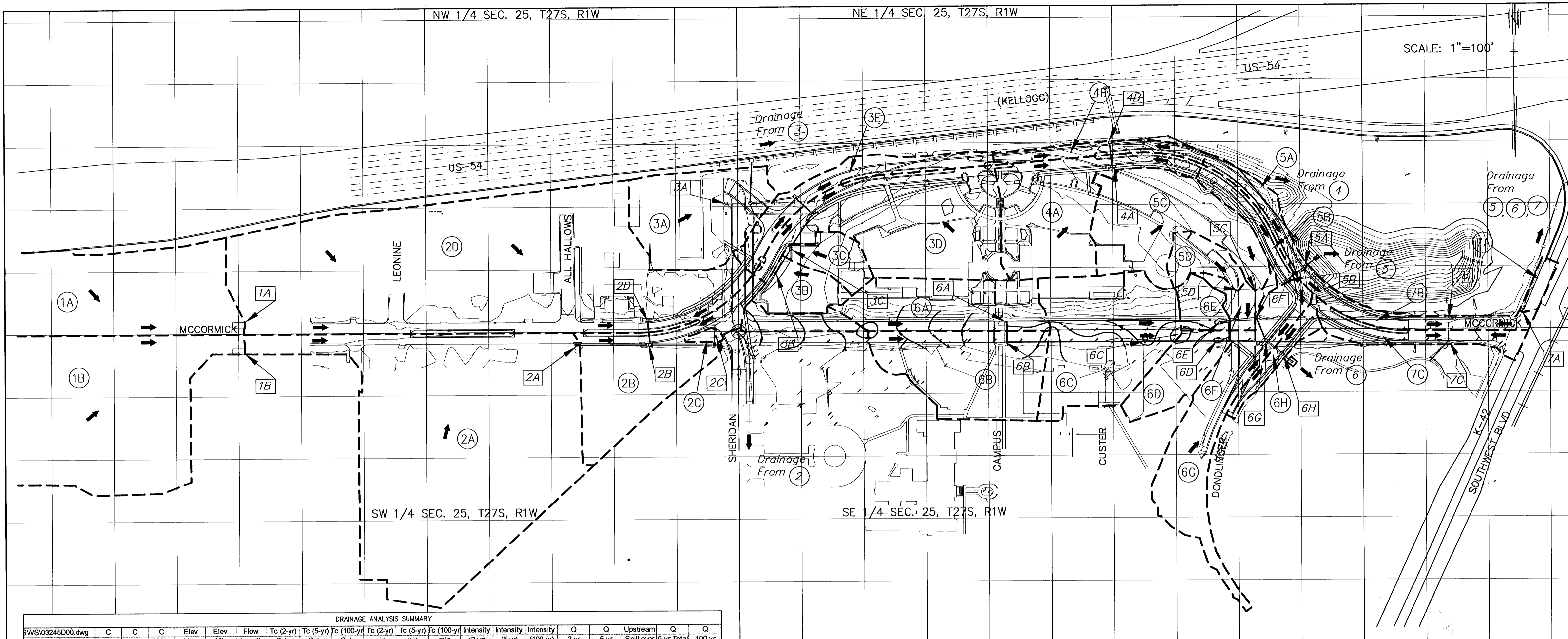


NW 1/4 SEC. 25, T27S, R1W

NE 1/4 SEC. 25, T27S, R1W

SCALE: 1"=100'



DRAINAGE ANALYSIS SUMMARY

Drainage Area	Area (ac.)	C 2-yr	C 5-yr	C 100-yr	Elev Max (ft.)	Elev Min (ft.)	Flow Length (ft.)	Tc Calc (min.)	Tc Calc (5-yr) (min.)	Tc Calc (100-yr) (min.)	Tc Min (min.)	Tc (5-yr) (min.)	Tc (100-yr) (min.)	Intensity (2-yr) (in./hr.)	Intensity (5-yr) (in./hr.)	Intensity (100-yr) (in./hr.)	Q 2-yr (cfs)	Q 5-yr (cfs)	Upstream Spill-over (cfs)	Q 5-yr Total (cfs)	Q 100-yr (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	48.1089		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		38.4206	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	16.8498		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		3.40958		3.40958	7.10173	
4B	0.28		0.81	0.87	114.1	111.39	225		7.35928	5.83687		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	11.9984		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	28.8043			28			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	0.960338	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		0.48		0.48	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	8.6822		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

\\c:\tnas1\vol7\Civil\03245\DWG\SWS\03245D00.dwg 08/05/2005 11:36:00 AM CST

MCCORMICK AVENUE STREET IMPROVEMENTS
PROJECT NAME

MCCORMICK - SPECIAL DRAINAGE PLAN
SHEET TITLE

LAC DESIGN BY: DPG DRAWN BY: JRA CHECKED BY:

AUGUST 2005 DATE: 03245 JOB NO.: 69/111 SHEET/OF

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