

FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
7	KANSAS	87 N-0189-01	2001	50	105

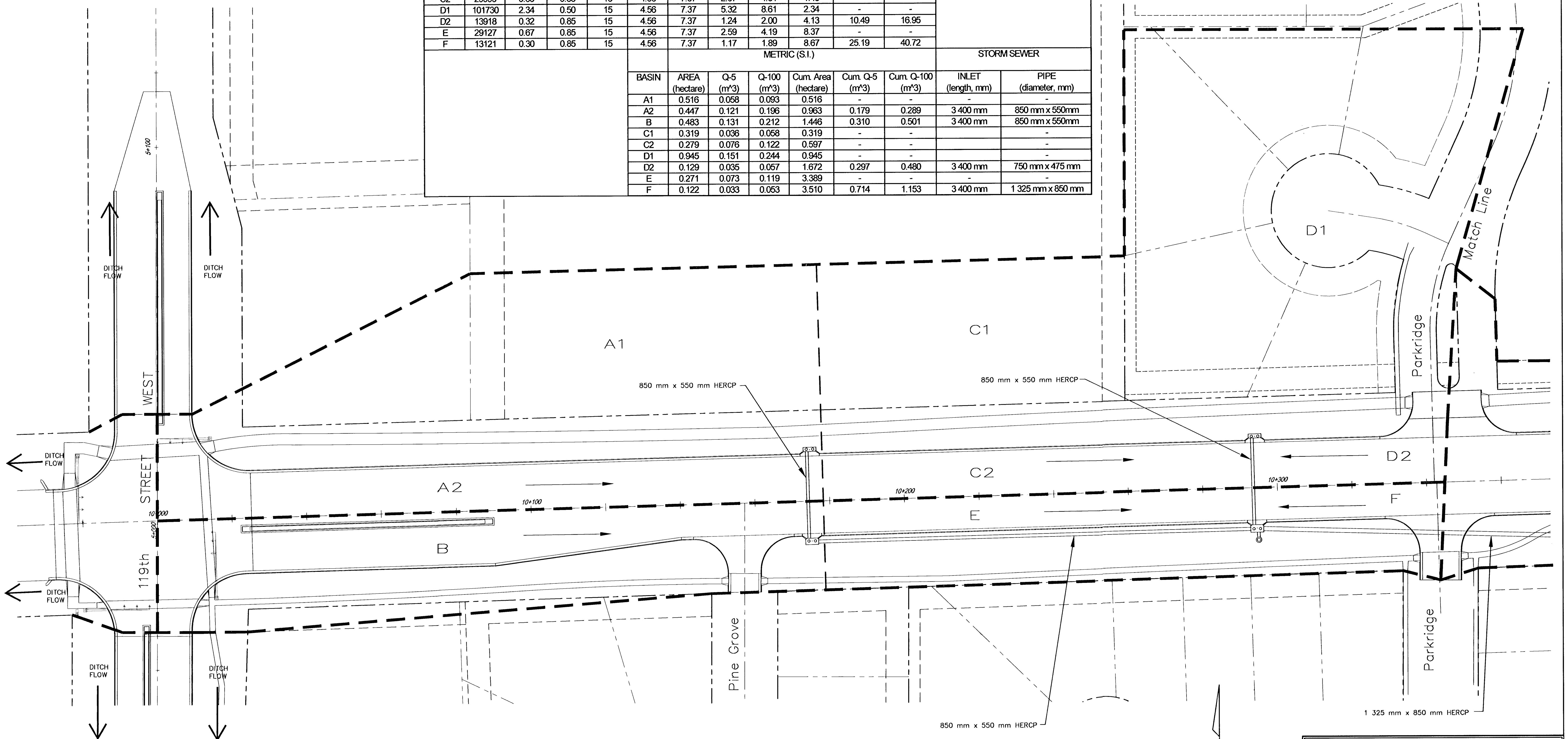
DRAINAGE DATA TABLE

BASIN	ENGLISH (U.S.)										STORM SEWER	
	AREA		'C'	Tc (min)	Q=CIA			Cum. Area (acre)	Cum. Q-5 (cfs)	Cum. Q-100 (cfs)		
	(sq. feet)	(acre)			I-5 (in)	I-100 (in)	Q-5 (cfs)					
A1	55488	1.27	0.35	15	4.56	7.37	2.03	3.29	1.27	-	-	
A2	48158	1.11	0.85	15	4.56	7.37	4.29	6.93	2.38	6.32	10.21	
B	52011	1.19	0.85	15	4.56	7.37	4.63	7.48	3.57	10.95	17.69	
C1	34294	0.79	0.35	15	4.56	7.37	1.26	2.03	0.79	-	-	
C2	29999	0.69	0.85	15	4.56	7.37	2.67	4.31	1.48	-	-	
D1	101730	2.34	0.50	15	4.56	7.37	5.32	8.61	2.34	-	-	
D2	13918	0.32	0.85	15	4.56	7.37	1.24	2.00	4.13	10.49	16.95	
E	29127	0.67	0.85	15	4.56	7.37	2.59	4.19	8.37	-	-	
F	13121	0.30	0.85	15	4.56	7.37	1.17	1.89	8.67	25.19	40.72	

BASIN	METRIC (S.I.)						INLET (length, mm)	PIPE (diameter, mm)
	AREA (hectare)	Q-5 (m³)	Q-100 (m³)	Cum. Area (hectare)	Cum. Q-5 (m³)	Cum. Q-100 (m³)		
A1	0.516	0.058	0.093	0.516	-	-	-	-
A2	0.447	0.121	0.196	0.963	0.179	0.289	3 400 mm	850 mm x 550mm
B	0.483	0.131	0.212	1.446	0.310	0.501	3 400 mm	850 mm x 550mm
C1	0.319	0.036	0.058	0.319	-	-	-	-
C2	0.279	0.076	0.122	0.597	-	-	-	-
D1	0.945	0.151	0.244	0.945	-	-	-	-
D2	0.129	0.035	0.057	1.672	0.297	0.480	3 400 mm	750 mm x 475 mm
E	0.271	0.073	0.119	3.389	-	-	-	-
F	0.122	0.033	0.053	3.510	0.714	1.153	3 400 mm	1 325 mm x 850 mm

BY	DATE

REFERENCES NOTED	REFERENCES CHECKED



SRB

DRAINAGE MAPS
21ST STREET - MAIZE TO 119TH ST. W.

SRB 924 NORTH MAIN 316-264-8008
WICHITA, KANSAS 67203 FAX 264-4621
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SAVOY, RUGGLES & BOHM, P. A.
ENGINEERING & SURVEYING

PROJECT NUMBER
472-83138

DRAWN	DESIGN	REVIEW	DATE	UTILITY	SRB JOB
MWS	MWS	CMB	01/29/2001	-	1478T

SCALE
1:50

50
105