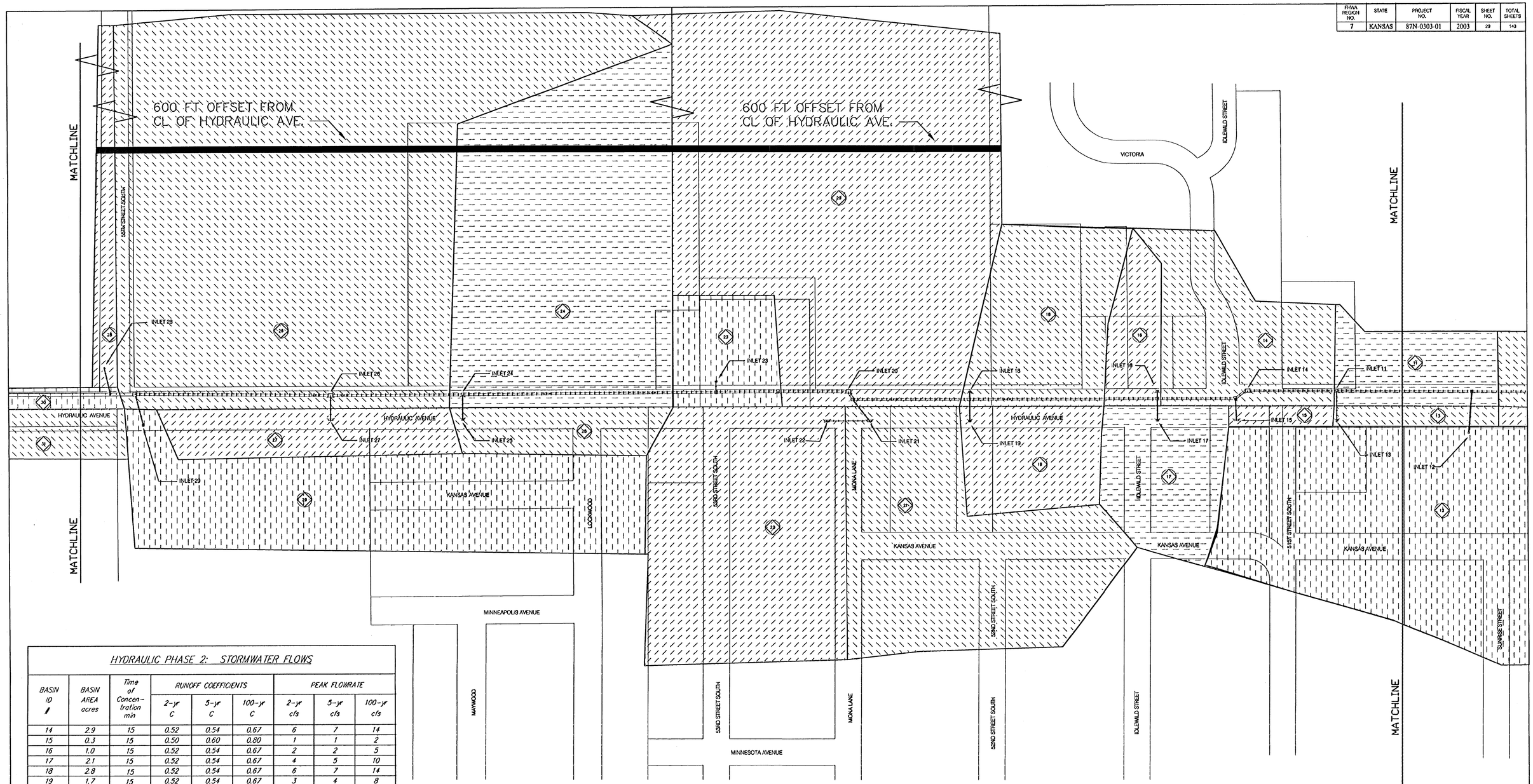
FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87N-0303-01	2003	29	143



HYDRAULIC PHASE 2: STORMWATER FLOWS

BASIN ID #	BASIN AREA acres	Time of Concentration min	RUNOFF COEFFICIENTS			PEAK FLOWRATE		
			2-yr C	5-yr C	100-yr C	2-yr cfs	5-yr cfs	100-yr cfs
14	2.9	15	0.52	0.54	0.67	6	7	14
15	0.3	15	0.50	0.60	0.80	1	1	2
16	1.0	15	0.52	0.54	0.67	2	2	5
17	2.1	15	0.52	0.54	0.67	4	5	10
18	2.8	15	0.52	0.54	0.67	6	7	14
19	1.7	15	0.52	0.54	0.67	3	4	8
20	22.7 (8.4)*	44 (21)*	0.26	0.29	0.37	12 (7)*	17 (9)*	37 (20)*
21	6.1	15	0.52	0.54	0.67	12	15	30
22	6.1	15	0.52	0.54	0.67	12	15	30
23	1.4	15	0.52	0.54	0.67	3	3	7
24	8.3 (6.9)*	28 (20)*	0.52	0.54	0.67	12	15	31 (30)*
25	1.2	15	0.50	0.60	0.80	2	3	7
26	24.7 (10.5)*	52 (25)*	0.33	0.35	0.51	15 (10)*	20 (13)*	51 (32)*
27	1.8	15	0.50	0.60	0.80	3	5	11
28	1.0 (0.6)*	15	0.37	0.40	0.48	1	2 (1)*	4 (2)*
29	6.0	15	0.52	0.54	0.67	12	15	30

*NUMBERS INDICATED IN PARENTHESES ARE THE REVISED VALUES REFLECTING THE 600 FEET MAXIMUM AREA BEYOND THE CL OF HYDRAULIC AVENUE

DRAINAGE MAP (WITH MODIFIED AREAS FOR 600' MAXIMUM OFFSET)
HYDRAULIC AVENUE - 51ST STREET TO 55TH STREET

SCALE: 1" = 100'

DRAINAGE AREA IDENTIFIER

DRAINAGE AREA

F:\eng\Hydraulic_phs2\Drainage Maps\Drainage02w600offset.Dwg

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211