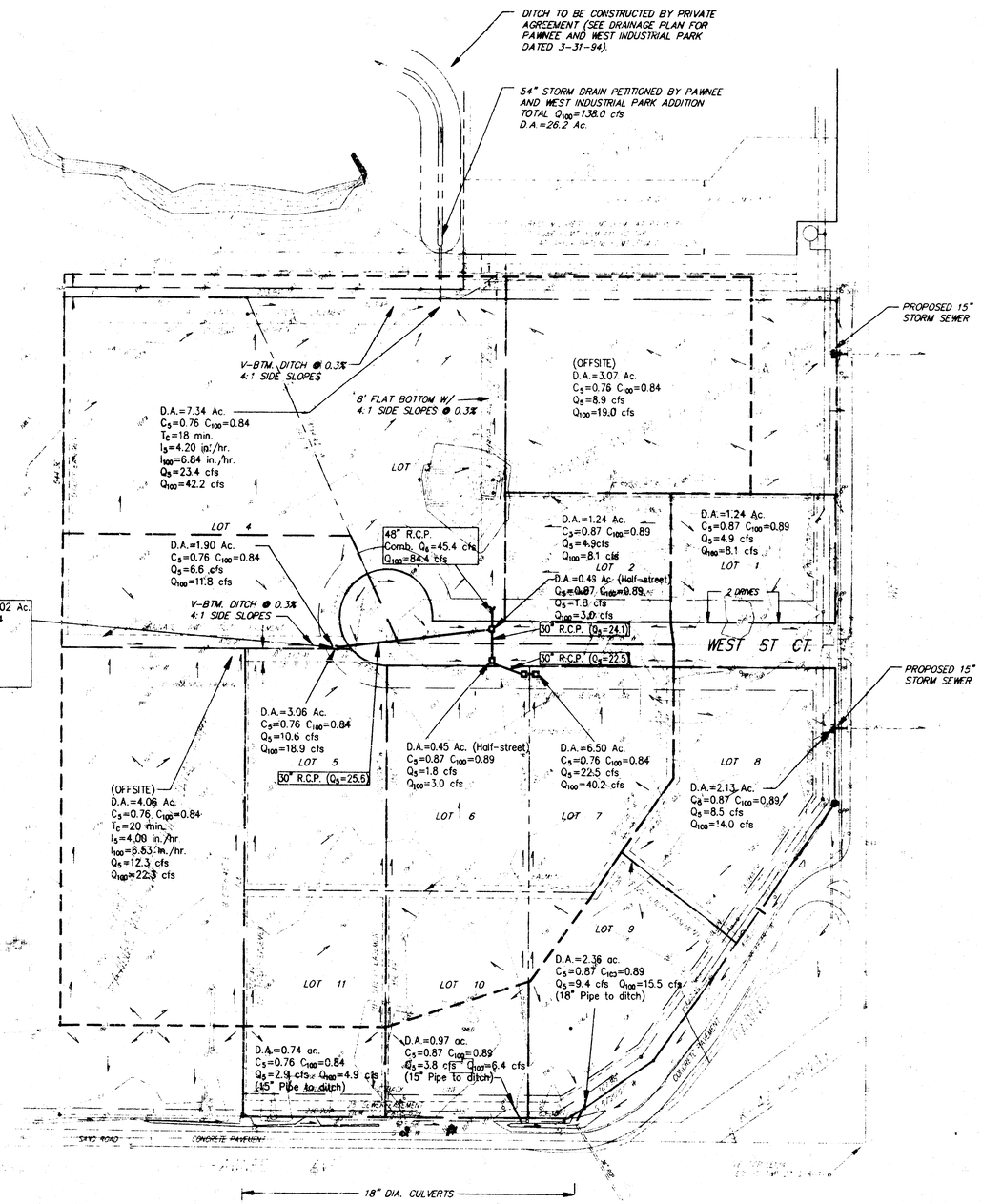


SRB

1" = 100'

DRAINAGE PLAN

PAWNEE AND WEST INDUSTRIAL PARK SECOND ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

Runoff calculated by the Rational Formula: Q=CIA
"C" and "I" Values from City of Wichita Drainage Criteria
C values as follows:

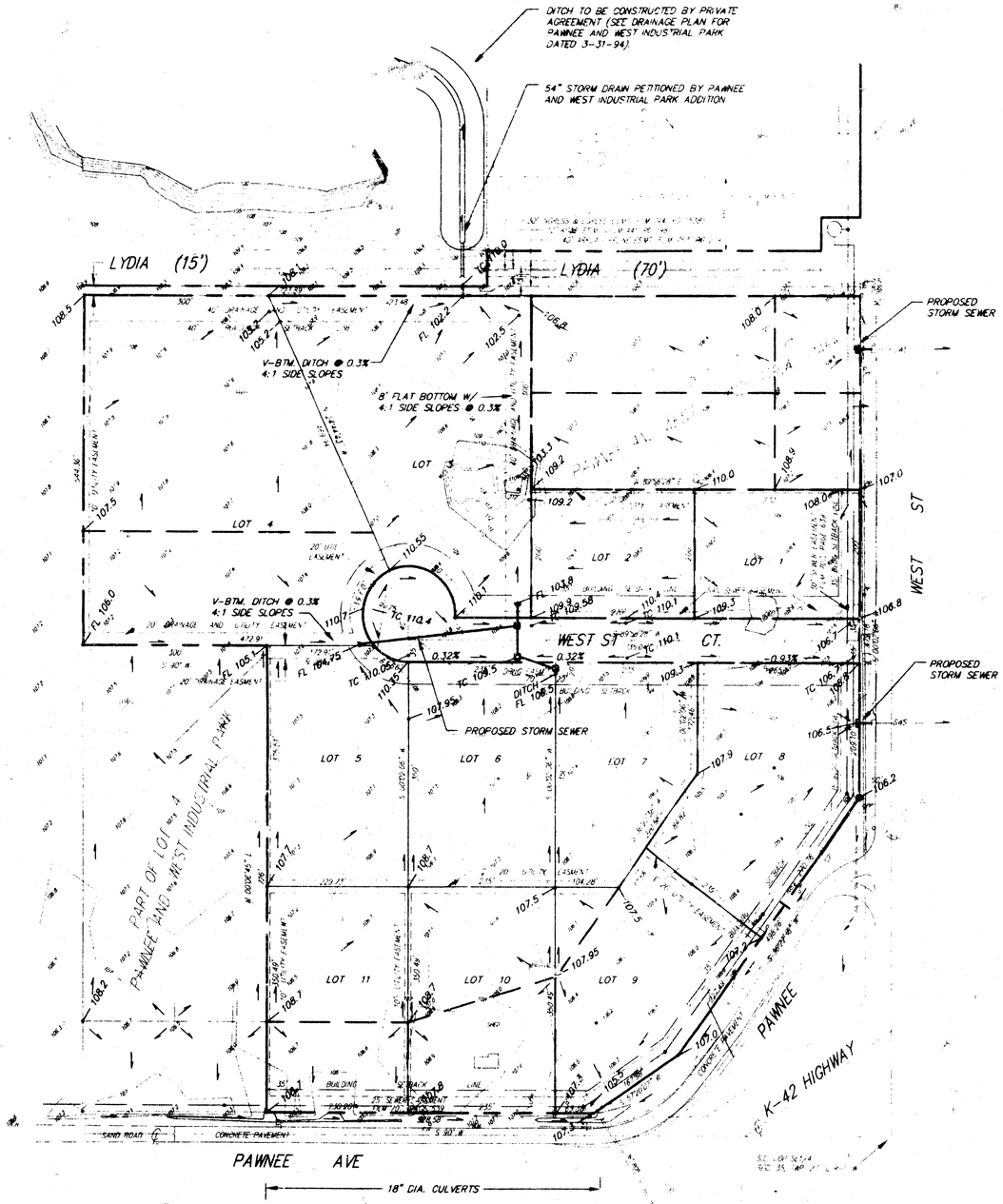
	C_5	C_{100}
Paved areas (96% imperv.)	0.87	0.89
Heavy industrial	0.76	0.84

Overland flow travel time (per Attachment E) assumes 0.3% slope on pavement. V=0.77 fps
Time of concentration=15 minutes (minimum) except where noted
Combined Q at conjunction of flows is adjusted for different T_c by the formula: Total $Q=Q_{greater}+Q_{lesser}\left(\frac{I_{lesser}}{I_{greater}}\right)$
Major drainage outlet to the north of Lydia Street provides outfall for undetained runoff as approved with Pawnee and West Industrial Park Addition.

JAMES CHARLES RUGGLES LICENSED 9681 3-23-95 KANSAS PROFESSIONAL ENGINEER

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

3-23-95
2-13-95



1" = 100'

LOT GRADING PLAN

PAWNEE AND WEST INDUSTRIAL PARK SECOND ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

APPROVED
DRAINAGE PLAN

R:\A\046P\LOPLAN

SRB 924 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008 FAX 264-462
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

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