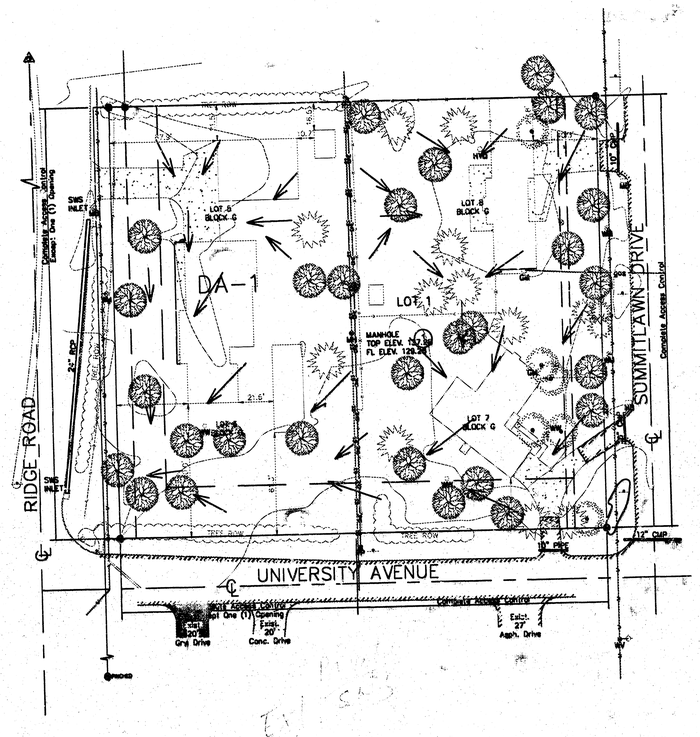
DRAINAGE PLAN
UNIVERSITY & RIDGE ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS



				Undeveloped		Developed	
Area #	Area (ac)	t_c	t_{lag}	Q_{10} (cfs)	Q_{100} (cfs)	Q_{10} (cfs)	Q_{100} (cfs)
1	1.82	4.36	2.37	4.4	10.1	6.8	11.8
TOTAL	1.82	4.36	2.37	4.4	10.1	6.8	11.8

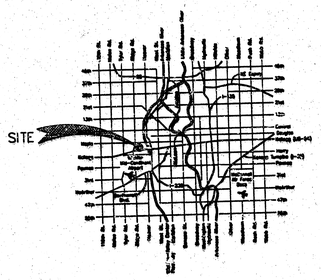
NOTES:

1. Determination of Q's was made using the rational method. The c's used were as follows:

	Undeveloped	Developed
10yr frequency	0.24	0.65
100yr frequency	0.36	0.68

2. The runoff from the developed site shall be limited to the same as the predeveloped condition.

3. Drainage area DA-1 shall be served by a private storm sewer extension project.



WICHITA VICINITY MAP

SCALE
30 0 30 60

LEGEND

- (C) = Calculated
- (M) = Measured
- (P) = Platted
- R.O.W. = Right-of-Way
- = 3/4" Iron Pipe
- = 5/8" Rebar AMINC CLS #104
- = Section Corner
- = Asphalt
- = Cedar
- = Concrete
- = Contour Elevation
- = Fire Hydrant
- = Fence
- GAS = Gas
- GM = Gas Meter
- HYD = Hydrant
- = Light Pole
- MB = Mailbox
- MH = Manhole
- OH = Overhead Electric
- = Power Pole
- SS = Sanitary Sewer
- = Shrub
- = Sign
- = Tree
- W = Water
- WW = Water Well
- WM = Water Meter
- WV = Water Valve
- = Yard Light

FILENAME: 02130-02-plot

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