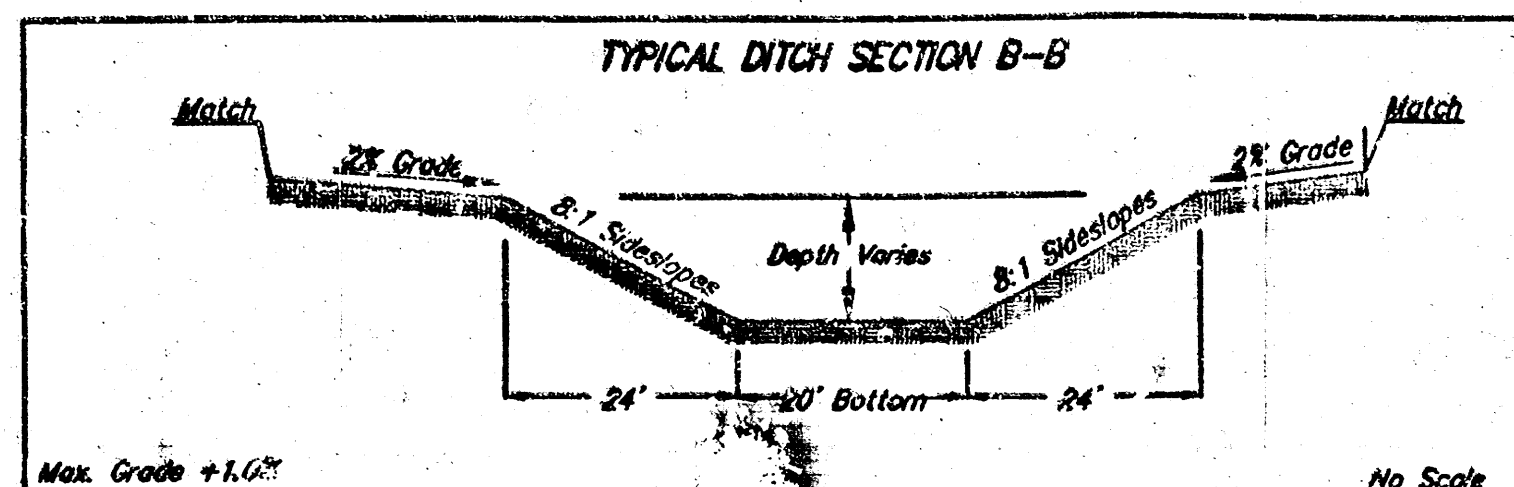
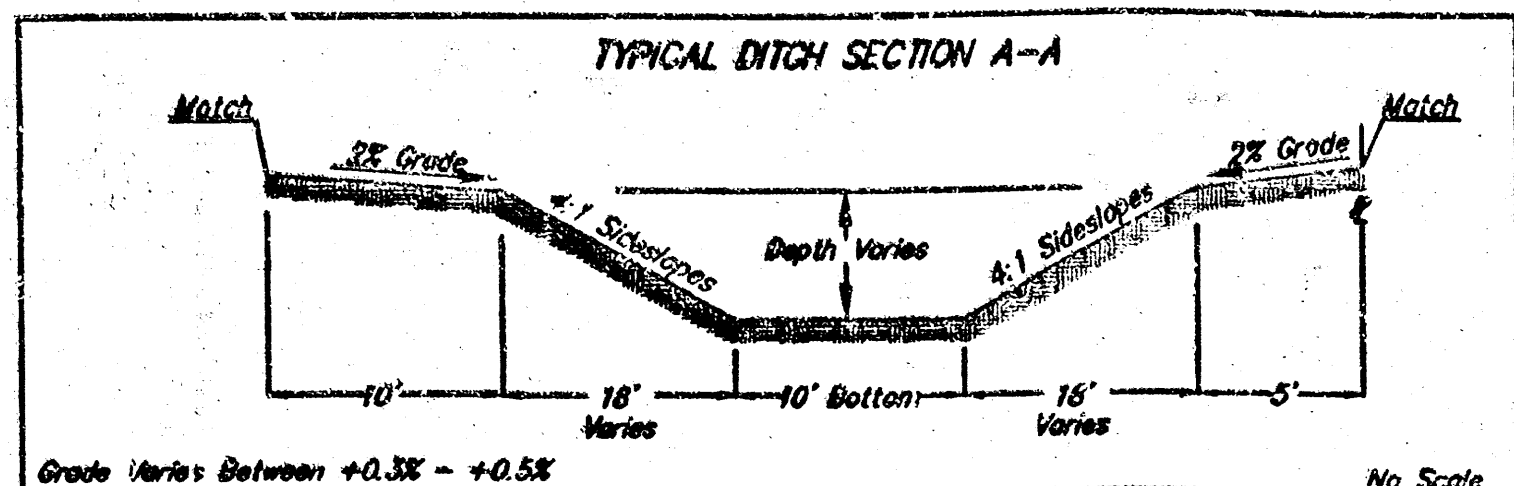


DRAINAGE PLAN

NORTHEAST MIDDLE SCHOOL ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

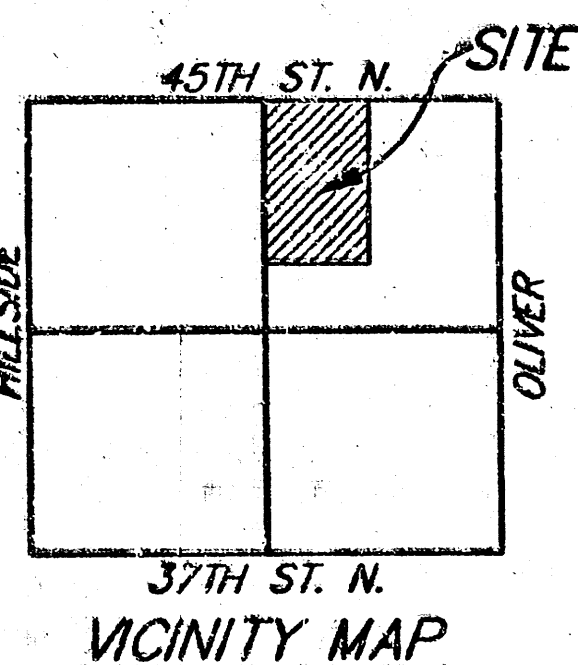


Basin Lot	Area acres	To ft	Runoff Coefficient			Peak Flowrate		
			2-yr	5-yr	100-yr	2-yr	5-yr	100-yr
1	3.4	15	0.30	0.41	0.57	5.1	5.4	14
2	25	15	0.87	0.89	0.89	0.8	1.0	17
3	1.8	15	0.87	0.87	0.89	2.6	3.1	12
4	.80	15	0.84	0.85	0.91	2.6	3.1	5
5	35.4	15	0.49	0.51	0.86	7.4	8.2	192
6	5.3	15	0.39	0.41	0.57	2.9	2.9	22
7	1.9	15	0.87	0.89	0.90	6.3	7.6	13

DRAINAGE NOTES:

- The Existing Soil Type per Soil Survey of Sedgewick County, Kansas is Table 5 City Clay Loam, Farming Loam, Blanket Sil Loam, Rosehill City Clay, and Alluvium. The Hydrologic Group for Each Soil Type in Their Respective Order is D, B, C, & B.
- A Portion of This Parcel of Land is Zoned in a ZONE A Per FEMA FIRM Map. Community/Parcel Number: 200321 0150A. Effective Date: June 3, 1986.
- An Off-site Drainage Agreement with Land Owner West of Plot Shall be Obtained.

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES	
LOTS	ELEVATION CITY DATUM 1985.0
1	A



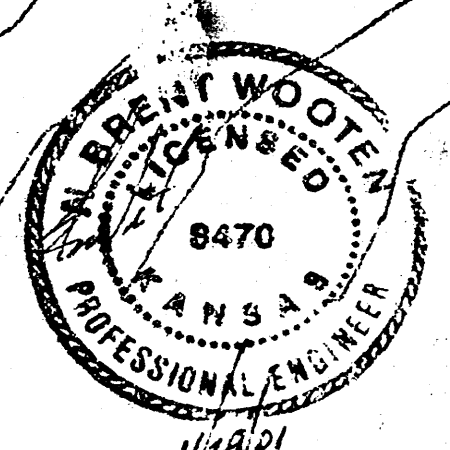
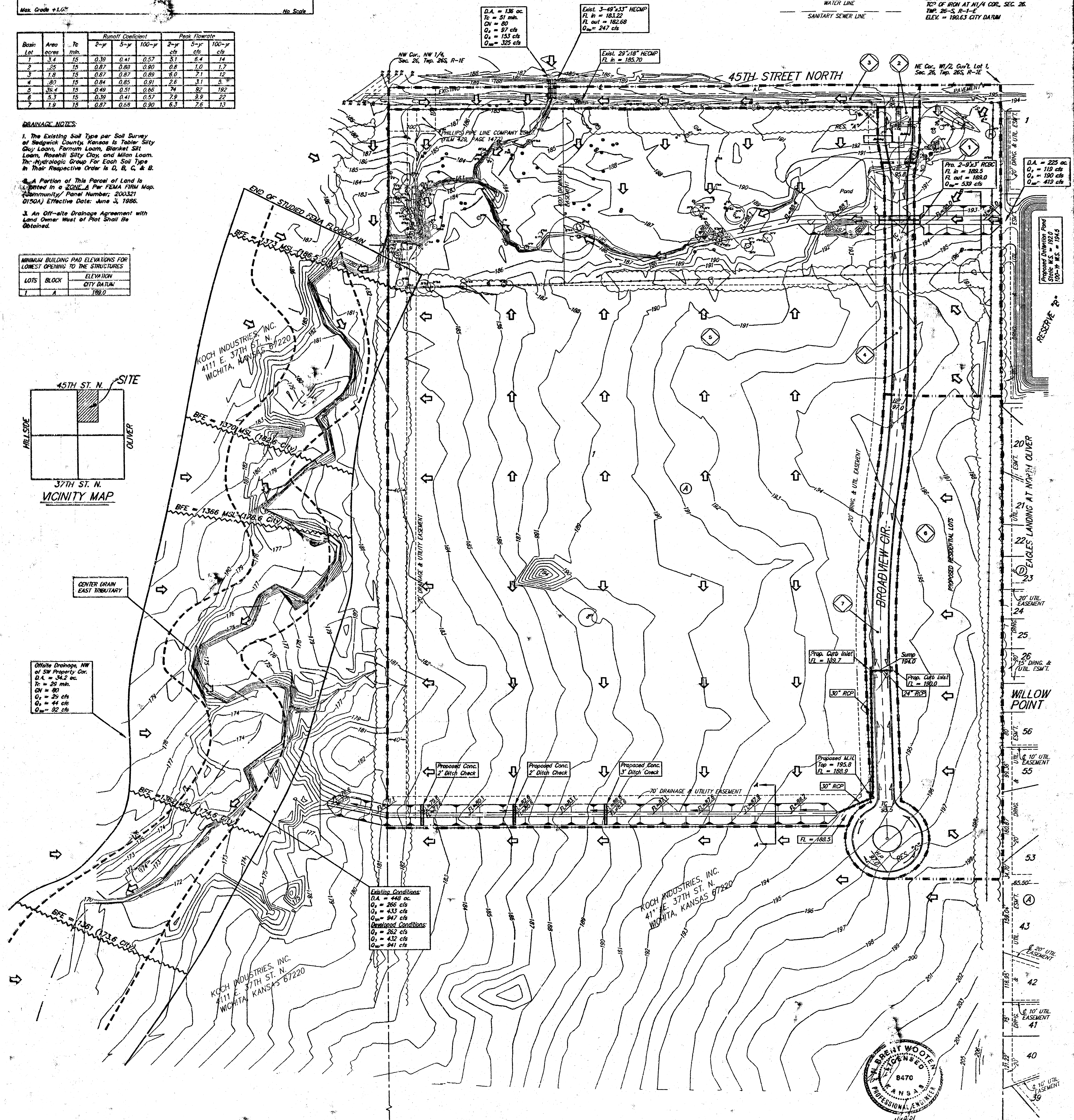
Off-site Drainage, NW of SW Property Cor.
D.A. = 34.2 ac.
Tc = 29 min.
Q₂ = 80 cfs
Q₅ = 20 cfs
Q₁₀₀ = 52 cfs

Existing Conditions
D.A. = 440 ac.
Q₂ = 266 cfs
Q₅ = 433 cfs
Q₁₀₀ = 947 cfs
Developed Conditions
Q₂ = 262 cfs
Q₅ = 432 cfs
Q₁₀₀ = 941 cfs

- = Pine Tree
- △ = Pipeline Marker
- = Power Pole
- = Sign
- = Telephone Pole
- = Deciduous Tree

- ELECTRIC LINE
- SOUTHWESTERN BELL LINE
- CABLEVISION LINE
- WATER LINE
- SANITARY SEWER LINE

DATE OF PREPARATION: 20 NOV 2001
DATE OF TOPOGRAPHY: 16 NOV 2001
CONTIGUOUS INTERSECTIONS = 1 FOOT
BENCHMARK: 10' OF IRON AT NW 1/4 COR. SEC. 26, TWP. 26-S, R-1-E
ELEV. = 180.63 CITY DATUM



26 NOV 2001
BAUGHMAN COMPANY P. A.
ENGINEERING, SURVEYING, & PLANNING
316-292-7271 • 315 ELLIS • WICHITA, KANSAS 67201
P:\WATER\1990 EC'S\WMA\0001\DRP\01.DWG