DRAINAGE PLAN 9-18-95

OAK RIDGE ADDITION

OWNER: J.V. VAN ALLEN
R.R. 2 BOX 108
BELLE PLAINE, KANSAS 67013

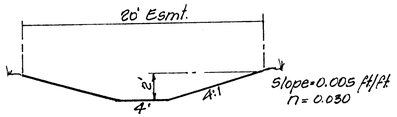
ENGINEER: PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
303 S. TOPEKA
WICHITA, KANSAS 67202

SCALE: 1"=100'

o = IRON SET
TOPOGRAPHY DATE: JUNE, 1995

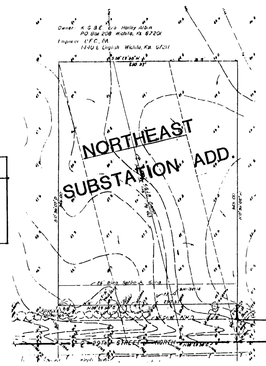
DATUM B.M. - CHISELED "T" ON N.E. CORNER OF EAST HEADWALL OF RCB UNDER RIDGE ROAD AT 200'± NORTH OF EAST 1/4 CORNER, SEC. 4, T27S, R1W.
ELEV.=138.48 CITY DATUM
ELEV.=1325.64 M.S.L.

	DA	Condition	C	i in/hr.	Q	Return Period
①	8 Ac	Cultivated	0.39	7.37	23 cfs	100 Yrs.
②	3.9 Ac	Residential	0.36	3.83	5.4 cfs	2 Yrs
③	4.0 Ac	Residential	0.36	3.83	5.5 cfs	2 Yrs



Slope=0.005 Ft/Ft
n=0.030

SECTION A-A



Alternate location #2
Future RCBB by Others.

Provide 24" temporary culvert until improvement of 20TH Street North

Q100=480 cfs Tp=0.8 HR
10' Ditch Class E Retardance;
S=0.5%; d=3.1'

REFLECTION RIDGE

11th/8th Additions
DA: 50 Ac.
Q100 207 cfs
Tp = 6.0 HR

POND #2
Static Pool 1325.0
DWS 1327.0
8-5

OAK RIDGE

TOPAZ CIRCLE

TOPAZ COURT

FOREST LAKES

CHANNEL
See Sec. A-A

EXCEPTION

Future RCBB
Alternate location #1
By Others

C 29TH STREET NORTH

S.E. Corner S.W. 1/4
Sec. 33, T26S, R1W
of the 6th P.M.

B SOIL

TEE TIME

Freehand Area

N

TOPOGRAPHIC MAP OF LANDS
IN QUARTER SECTION
SEDGWICK COUNTY, KS