# DRAINAGE PLAN

5-2-83

## Northborough 2nd Addition

## Wichita, Sedgwick County, Ks.

N.W. Cor. Sec. 7, T27S, R2E, 6th P.M.

N.E. Cor. N.W. 1/4, Sec. 7, T27S, R2E

DA = 25 Ac.
Tc = 35 min
Q2 = 31 cfs.
Q100 = 73 cfs

DA = 35 Ac.
Tc = 25 min
Q2 = 55 cfs
Q100 = 121 cfs.

DA = 13 Ac.
Tc = 15 min.
Q2 = 48 cfs
Q100 = 106 cfs.

D.A. = 32.8 Ac.
Tc = 17 min.
Q2 = 90 cfs.
Q100 = 229 cfs.

STREET

AVENUE

WOODLAWN

BRAMBLEWOOD

ROCKHILL LANE

0.9 Ac±

4.9 Ac.±

2. Ac.

1.6 Ac

1.7 Ac

10.8 Ac.

8.8 Ac.

4.6 Ac.

4.9 Ac.

6.3 Ac.

4.6 Ac.

29.3 Ac.

AREA UNDER CONSTRUCTION

RAMP DOWN

PILES

Book 11-240

Continental Pipe Line Setback

40' Continental Pipe Line Easement

10' Drainage Esmt.

Continental Pipe Line Setback

Drainage Easement

K.G. & E. Easement

Prop. Detention/Retention pond
Static Pool El = 194.00
100 Yr. W.S. El = 198.0
Top Bank El = 200.0
Bottom El = 189.0

Prop Structure
It in = 194.0
It out = 189.0

Prop. 3-36" CMP w/ End Sections
It in = 185.5

Exist. 32 Sq. Ft CMP
It in = 191.86' It out 190.80

Prop. 2-36" RCP It in = 194.0
It out 193.5

It = 189.2
Erosion Protection

42" RCP

35" x 24" CMPA

Burlington Northern RR

1878' to Sec. Line

℄ 100' Drain. Esmt.

Top 202.0
It = 197.4

SECTION A-A

4:1 4:1 20

SCALE 1:1,200 (100'=1")
100' 0 100' 200' 300'
CONTOUR INTERVAL 2 FT.

TOPOGRAPHIC MAP OF LANDS LOCATED AT
N.W. 1/4 SECTION 7, 27S/2E.
SEDGWICK COUNTY, KANSAS

SURVEYING & ENGINEERING
P.E.C. - ALLIED LABORATORIES

CHARLES B. BROWN LICENSED 7681 KANSAS PROFESSIONAL ENGINEER

PHOTOGRAMMETRY BY
MILES AIR PHOTO & SURVEY
DWIGHT, KANSAS 66849
(913)482-3550 FILE M-123 P 62

AERIAL PHOTOGRAPHY
TYPE VERTICAL AT 60% F.O.
ALTITUDE 3,000 FEET A.M.G.L.
DATE/S OBTAINED 21 DEC. 1982

LEGEND

| Exist. | Prop. | |
|---|---|---|
| □ | ■ | Storm Drain & Size |
| ○ | ● | Inlet / Manhole |
| | ⊂ | Headwall/End Sect. |
| → | → | Minor Storm Flow Direction |
| | ➡ | Major Storm Flow Direction |
| → 204.0 | → 204.0 | External Flow Contribution Points Spot Elev. (City Datum) |

Note:
All curb, Standard Curb.
Min. Pad Elev. 200.00 (1327.4 m.s.l.)

B.M. 21st Street & Woodlawn
City of Wichita bench mark disc, 45.4 Ft E &
45.4 ft. North of center line of both
Elev = 200.65 City Data

B.M. Governeour & 21st St. North
City of Wichita bench mark disc 22 Ft E &
38.5 ft N of 1/4 Section Cor.
El = 209.664 City data

2000 E 3500 E 1000 E 1500 E 2000 E 12500 E

9000 N 1500 N 10000 N 9500 N 9000 N 8500 N 8000 N 7500 N 7000 N