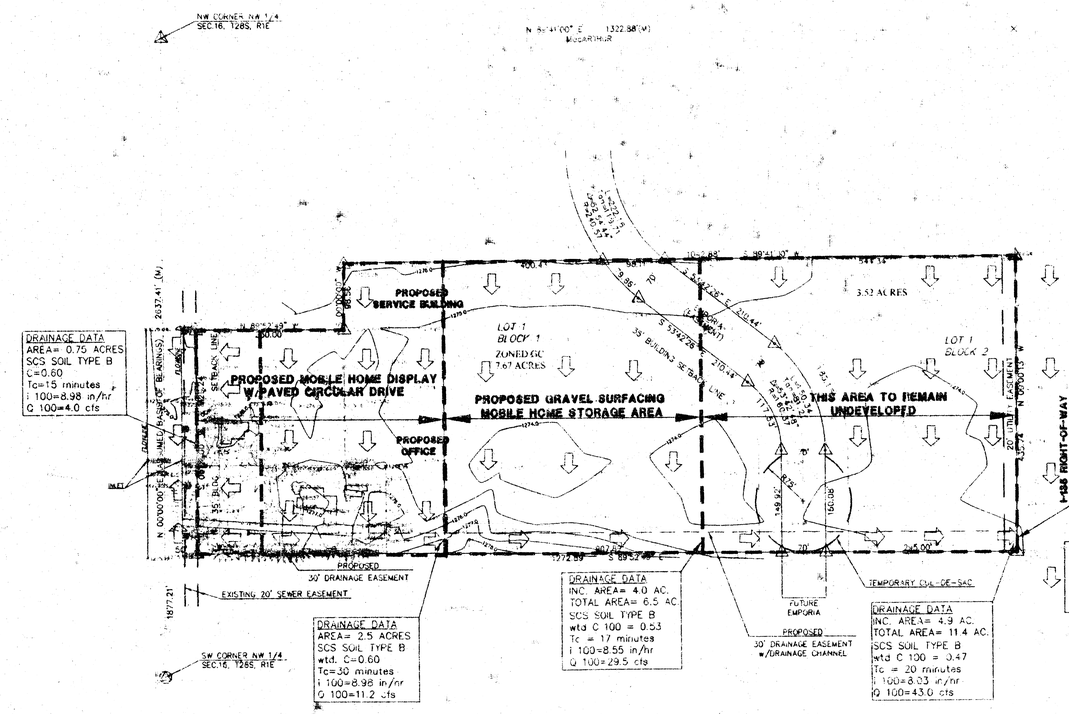
DRAINAGE PLAN FOR
MIDWEST HOUSING ADDITION
TO WICHITA, SEDGWICK COUNTY, KANSAS
LOCATED
IN THE NW 1/4 OF SECTION 16, T28S, R1E OF THE 6TH P.M.

1" = 100'

= CONCRETE
= FENCE LINE
= GAS METER
= HIGH LINE POWER POLE
= MONITORING WELL
= POWER POLE
= WATER METER
= WATER VALVE
= CONIFEROUS TREE
= DECIDUOUS TREE
= PROPOSED DRAINAGE FLOW DIRECTION



DRAINAGE DATA
AREA= 0.75 ACRES
SCS SOIL TYPE B
C=0.60
Tc=15 minutes
i 100=8.98 in/hr
Q 100=4.0 cfs

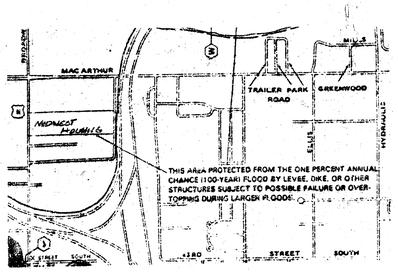
DRAINAGE DATA
AREA= 2.5 ACRES
SCS SOIL TYPE B
wtd. C=0.60
Tc=30 minutes
i 100=8.98 in/hr
Q 100=11.2 cfs

DRAINAGE DATA
INC. AREA= 4.0 AC.
TOTAL AREA= 6.5 AC
SCS SOIL TYPE B
wtd C 100 = 0.53
Tc = 17 minutes
i 100=8.55 in/hr
Q 100=29.5 cfs

DRAINAGE DATA
INC. AREA= 4.9 AC.
TOTAL AREA= 11.4 AC.
SCS SOIL TYPE B
wtd C 100 = 0.47
Tc = 20 minutes
i 100=8.03 in/hr
Q 100=43.0 cfs

UNDEVELOPED DRAINAGE DATA
APPROX. 11.4 ACRES
SCS SOIL TYPE B
C=0.40
Tc=30 minutes
i 100=6.79 in/hr
Q 100= 31 cfs

NOTE
Owner to obtain letter of approval from KDOT to drain the improved site runoff unrestricted into I-135 right-of-way.



FLOOD ZONE MAP
PANEL NO. 200328 0035
SEC.16, T28S, R1E

BENCHMARK:
"□" CUT IN TOP OF CURB AT NW CORNER OF LOT 1, BLOCK 1
ELEV.= 1276.21 MSL

EXISTING ZONING:
GC

OWNER:
GERALD GRAY

SUBDIVIDER:
LARRY WIENS
MIDWEST HOUSING
606 LAZY CREEK DRIVE
NEWTON, KS 67114

SURVEY BY:
JEFF L. DETTMANN
BENCHMARK LAND SURVEYING
309 SOUTH LAURA
WICHITA, KS 67211

BARLAN DALE FRANKS LICENSED 10631 KANSAS PROFESSIONAL ENGINEER

2-2-2000

SURVEY DISCLAIMER:
TOPOGRAPHIC SURVEY AND CONTOUR MAP USED IN PREPARING PLANS WAS PROVIDED BY BENCHMARK LAND SURVEYING, 309 SOUTH LAURA, WICHITA, KS (316)262-2202. ENGINEER DOES NOT GUARANTEE SURVEY ELEVATIONS FOR ACCURACY. CONTRACTOR SHALL VERIFY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

DRAINAGE PLAN FOR
MIDWEST HOUSING ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS
PROJ. NO.

CERTIFIED ENGINEERING DESIGN
438 NORTH OHIO
WICHITA, KANSAS 67214
(316) 262-8803

DESIGNED: HDF	SCALE: 1"=100'	SHEET 1
DRAWN: AEE	DATE: 1/00	
CHECKED: HDF	CED FILE: OAKWOOD-DRNG.	TOTAL 1