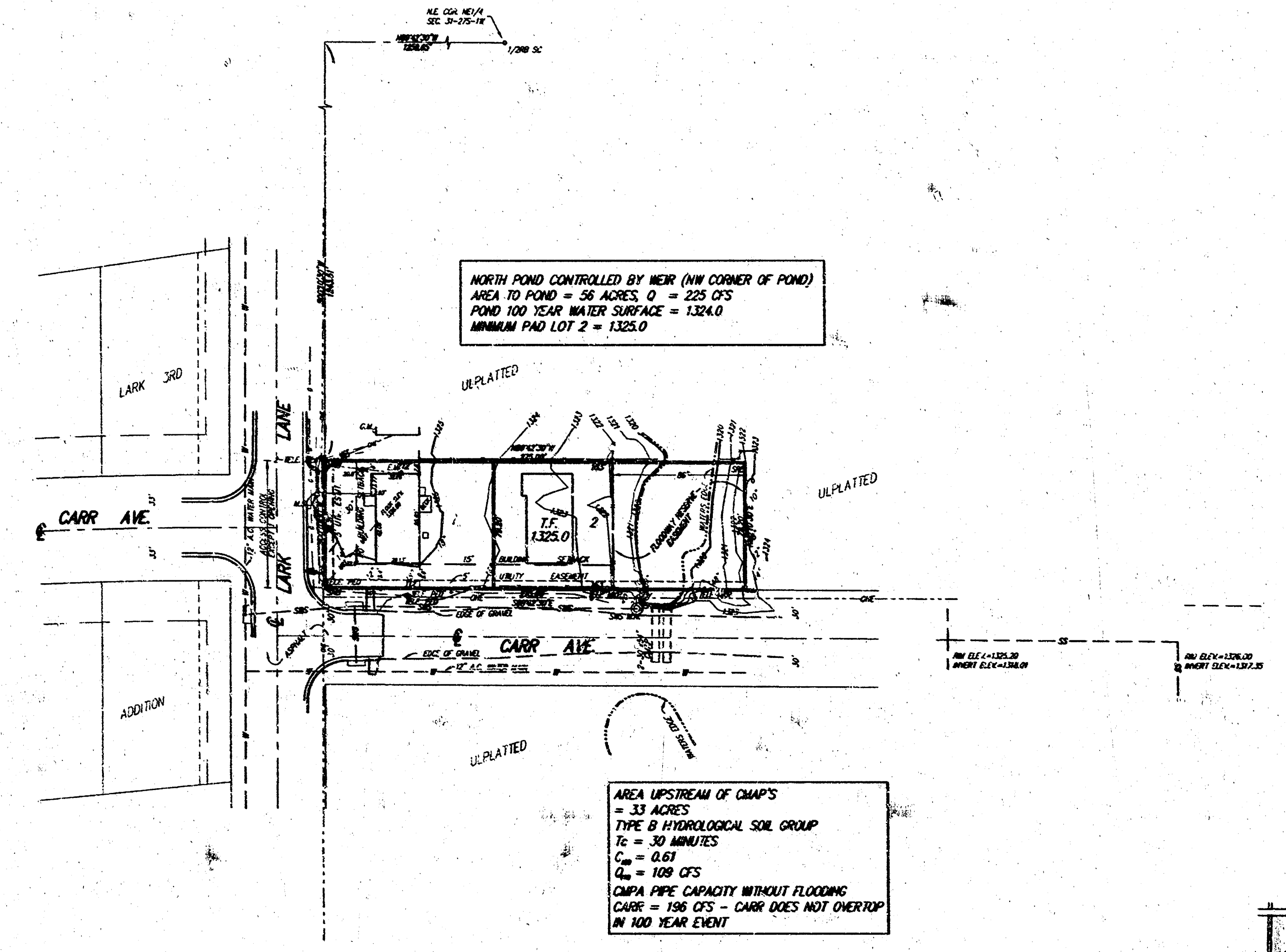
# DRAINAGE PLAN
# COLLINS FIRST ADDITION
## WICHITA, SEDGWICK COUNTY, KANSAS

DESCRIPTION:

A tract of land in the NE1/4 of Sec. 31, Twp. 27-S, R-1-W of the 5th P.M., Sedgwick County, Kansas, described as: Commencing at the N.E. Corner of said NE1/4; thence N89°42'30"W, along the north line of said NE1/4, 1259.65 feet; thence with a deflection angle left of 90°07', bearing S00°10'30"W, 1243.51 feet for a place of beginning; thence S00°10'30"W, 79.2 feet; thence S89°42'30"E, parallel with the north line of said NE1/4, 275 feet; thence N00°10'30"E, 79.2 feet; thence N89°42'30"W, 275 feet to the place of beginning.

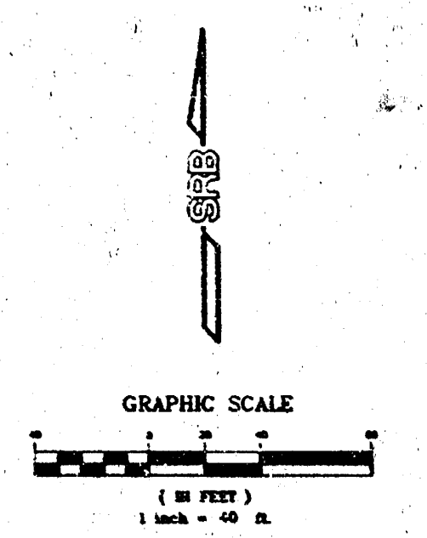
OWNER:
GREG E. COLLINS
PAMELA K. COLLINS
7152 MILTON
DERBY, KANSAS 67037
PH. 788-0246

GROSS AREA:
21,779.95 Sq. Ft.±
0.50 Acres±



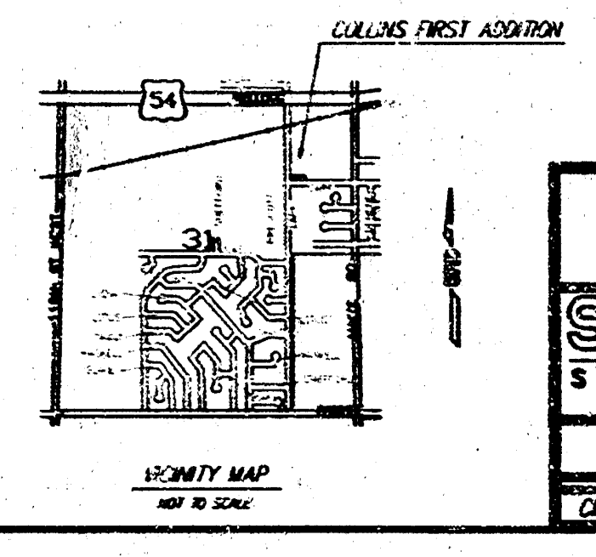
NORTH POND CONTROLLED BY WEIR (NW CORNER OF POND)
AREA TO POND = 56 ACRES, Q = 225 CFS
POND 100 YEAR WATER SURFACE = 1324.0
MINIMUM PAD LOT 2 = 1325.0

AREA UPSTREAM OF CMAP'S
= 33 ACRES
TYPE B HYDROLOGICAL SOIL GROUP
Tc = 30 MINUTES
$C_{100}$ = 0.61
$Q_{100}$ = 109 CFS
CMPA PIPE CAPACITY WITHOUT FLOODING
CARR = 196 CFS - CARR DOES NOT OVERTOP
IN 100 YEAR EVENT



BENCH MARK: CITY OF WICHITA STD. DISC
31.5' S. & 30.0' E. OF CENTERLINE INTERSECTION
OF MAIZE ROAD & MAY STREET
ELEV.=1323.51 NGVD

MINIMUM BUILDING PAD FOR LOWEST OPENING
INTO STRUCTURES: 1325 NGVD



VICINITY MAP
NOT TO SCALE

DRAINAGE PLAN
COLLINS FIRST ADDITION
WICHITA, SEDGWICK COUNTY, KANSAS

SRB
924 NORTH MAIN
WICHITA, KANSAS 67203
316-264-8008
FAX 264-4621
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

| DESIGN | DRAWN | SUPV. BY | REVIEW | DATE | REVISED |
|---|---|---|---|---|---|
| CMB | CMB |  |  | 5/11/01 |  |

SHEET
OF