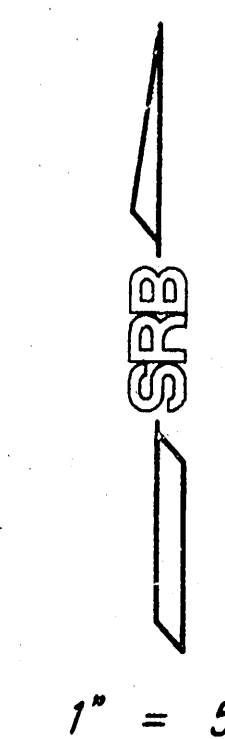


DRAINAGE PLAN LEEDY ADDITION

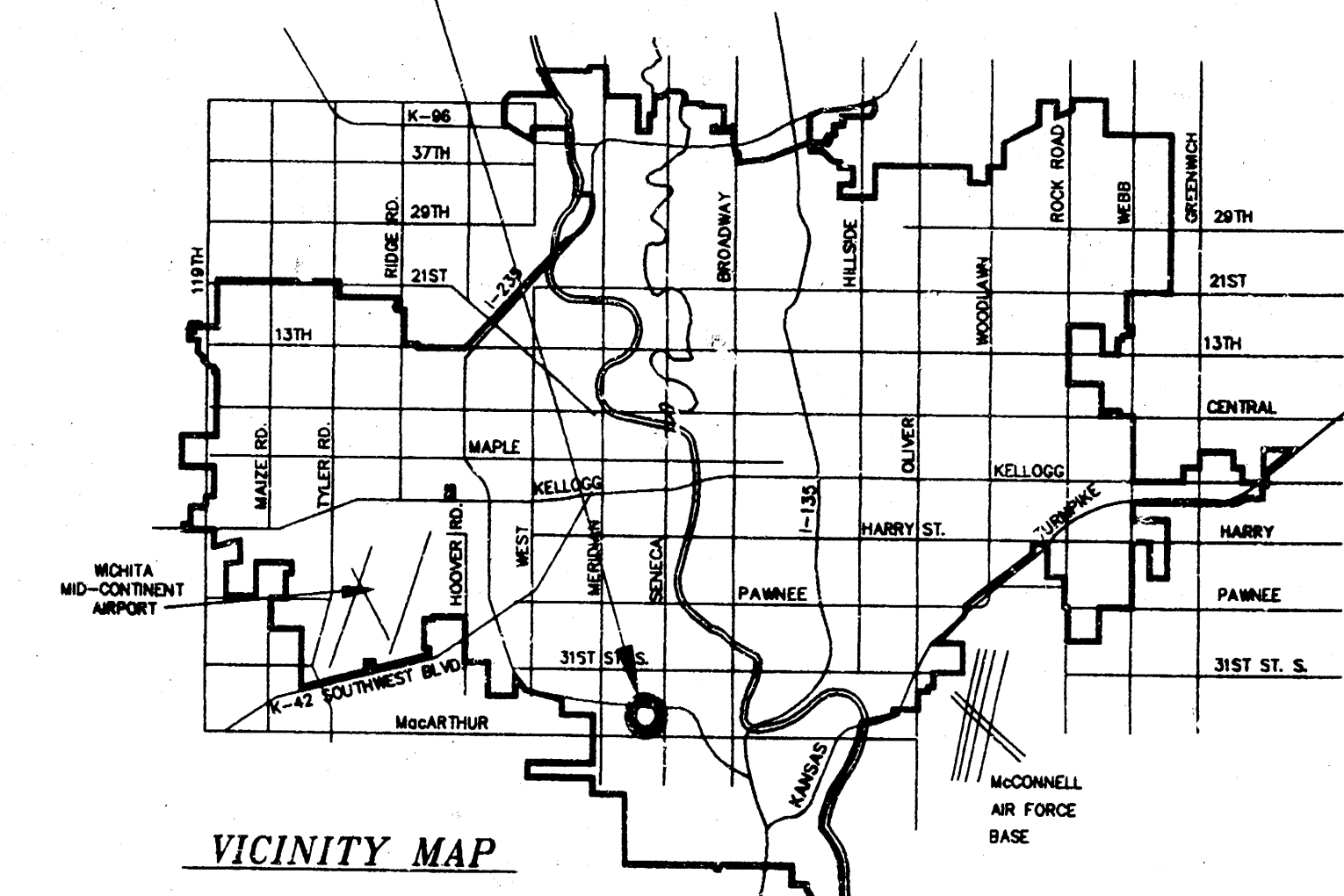
SEDGWICK COUNTY, KANSAS



BENCH MARK:
C.O.W. Bench Mark on 2'x2' conc. base, S.W. Cor.
KC&E Tower. 176' W. & 53' N. of Centerline
intersection of Seneca St. & MacArthur Rd.
Stamped DLK 7-93.
Elev. = 91.99 (City Datum)

ON-SITE BENCH MARK
R.R. Spike in Power Pole 41.1' W. of S.E. Cor. of
Subject Property.
Elev. = 93.20 City Datum

LEEDY ADDITION
PROJECT SITE



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

Apr. 8, 1999

EXISTING BASIN 'D' DATA

Drainage Area = 1.11 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.27$
 $C_{100} = 0.51$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 1.4$ cfs
 $Q_{100} = 4.2$ cfs

PROPOSED BASIN 'D' DATA

Drainage Area = 1.11 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 3.5$ cfs
 $Q_{100} = 6.6$ cfs

Proposed Parking Lot Detention
Min. Storage = 0.09 Ac-ft
Max. Q Out = 4.2 cfs

EXISTING BASIN 'D' DATA

Drainage Area = 1.11 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.27$
 $C_{100} = 0.51$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 1.4$ cfs
 $Q_{100} = 4.2$ cfs

PROPOSED BASIN 'D' DATA

Drainage Area = 1.11 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 3.5$ cfs
 $Q_{100} = 6.6$ cfs

EXISTING BASIN 'A' DATA

Drainage Area = 0.73 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.27$
 $C_{100} = 0.51$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 0.9$ cfs
 $Q_{100} = 2.8$ cfs

PROPOSED BASIN 'A' DATA

Drainage Area = 0.73 Ac.
Hydrologic Soil Type "D"
 $T_c = 15$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 2.3$ cfs
 $Q_{100} = 4.3$ cfs

EXISTING BASIN 'E' DATA

Drainage Area = 1.11 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.27$
 $C_{100} = 0.51$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 1.4$ cfs
 $Q_{100} = 4.2$ cfs

PROPOSED BASIN 'E' DATA

Drainage Area = 1.11 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 3.5$ cfs
 $Q_{100} = 6.6$ cfs

EXISTING BASIN 'B' DATA

Drainage Area = 1.11 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.27$
 $C_{100} = 0.51$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 1.4$ cfs
 $Q_{100} = 4.2$ cfs

PROPOSED BASIN 'B' DATA

Drainage Area = 1.11 Ac.
Hydrologic Soil Type "C"
 $T_c = 15$ min.
 $C_s = 0.69$
 $C_{100} = 0.80$
 $I_s = 4.56$ in.
 $I_{100} = 7.37$ in.
 $Q_s = 3.5$ cfs
 $Q_{100} = 6.6$ cfs

Proposed Parking Lot Detention
Min. Storage = 0.06 Ac-ft
Max. Q Out = 2.8 cfs

