

DRAINAGE PLAN THUNDERBIRD 8TH ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS

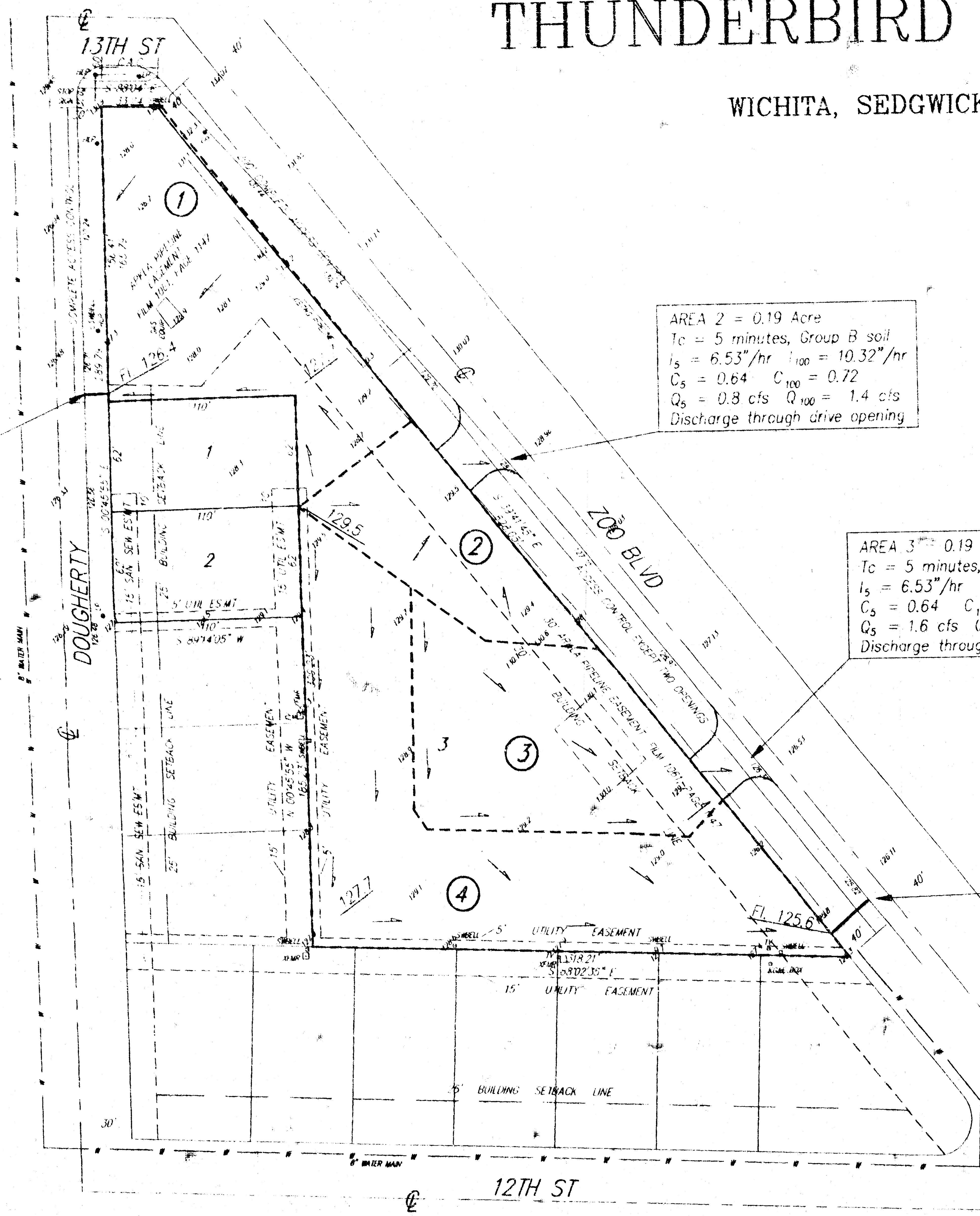
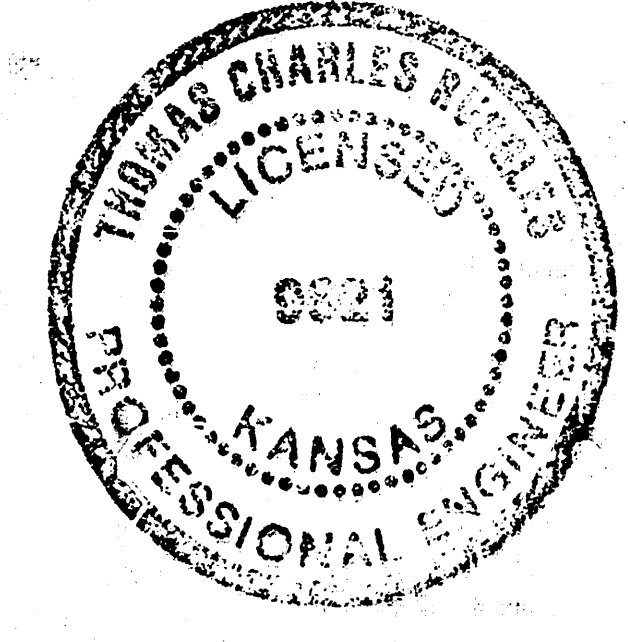
AREA 1 = 0.43 Acre
 $T_c = 5$ minutes, Group B soil
 $I_s = 6.53"/hr$ $I_{100} = 10.32"/hr$
 $C_s = 0.64$ $C_{100} = 0.72$
 $Q_s = 1.8$ cfs $Q_{100} = 3.2$ cfs
 Use 8" pipe @ 2% through curb

AREA 2 = 0.19 Acre
 $T_c = 5$ minutes, Group B soil
 $I_s = 6.53"/hr$ $I_{100} = 10.32"/hr$
 $C_s = 0.64$ $C_{100} = 0.72$
 $Q_s = 0.8$ cfs $Q_{100} = 1.4$ cfs
 Discharge through drive opening

AREA 3 = 0.19 Acre
 $T_c = 5$ minutes, Group B soil
 $I_s = 6.53"/hr$ $I_{100} = 10.32"/hr$
 $C_s = 0.64$ $C_{100} = 0.72$
 $Q_s = 1.6$ cfs $Q_{100} = 2.8$ cfs
 Discharge through drive opening

AREA 4 = 0.60 Acre
 $T_c = 10$ minutes, Group B soil
 $I_s = 5.34"/hr$ $I_{100} = 8.54"/hr$
 $C_s = 0.64$ $C_{100} = 0.72$
 $Q_s = 2.1$ cfs $Q_{100} = 3.7$ cfs
 Use 2 - 8" Pipes @ 1%
 through curb.

1" = 20'
 ELEV. = CITY LATUM
 C.A.C. = COMPLETE ACCESS CONTROL



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