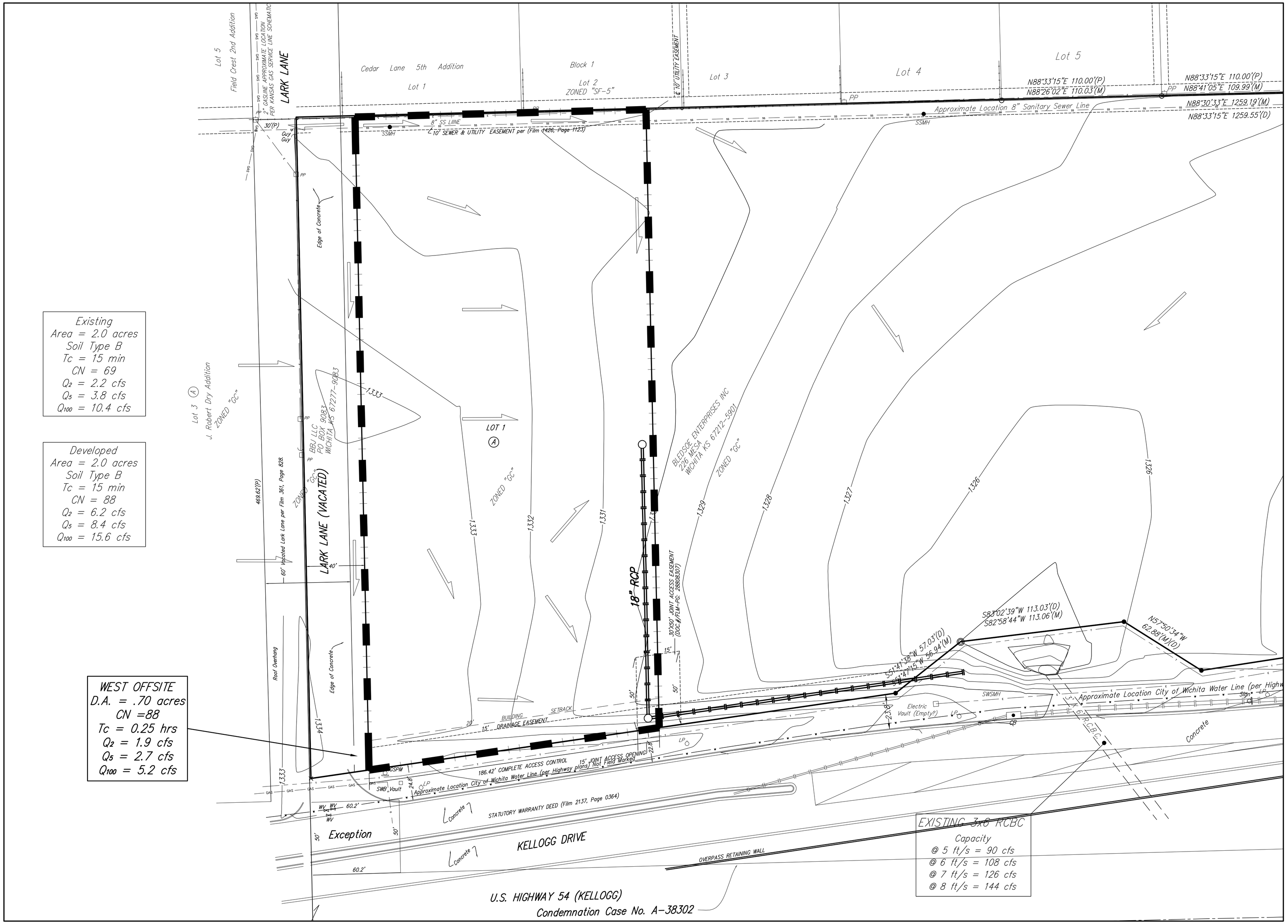
DRAINAGE PLAN

AUTOCRAFT ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



Existing
Area = 2.0 acres
Soil Type B
Tc = 15 min
CN = 69
Q_2 = 2.2 cfs
Q_5 = 3.8 cfs
Q_{100} = 10.4 cfs

Developed
Area = 2.0 acres
Soil Type B
Tc = 15 min
CN = 88
Q_2 = 6.2 cfs
Q_5 = 8.4 cfs
Q_{100} = 15.6 cfs

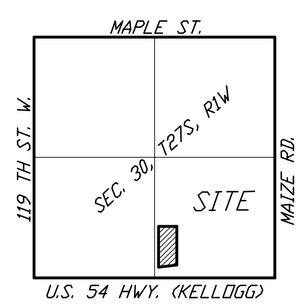
WEST OFFSITE
D.A. = .70 acres
CN =88
Tc = 0.25 hrs
Q_2 = 1.9 cfs
Q_5 = 2.7 cfs
Q_{100} = 5.2 cfs

EXISTING 3x6 RCBC
Capacity
@ 5 ft/s = 90 cfs
@ 6 ft/s = 108 cfs
@ 7 ft/s = 126 cfs
@ 8 ft/s = 144 cfs

DATE OF TOPOGRAPHY: 7 APRIL 2006
DATE OF PREPARATION: 25 SEPTEMBER 2006
CONTOUR INTERVALS = 1 FOOT

BENCHMARK:
Maize Rd. & Kellogg – NE. cor. of intersection, City of Wichita disc, SW. cor. of conc. base for traffic signal light pole
Elevation = 1323.97' (N.G.V.D. 29)

NOTE: Site not located in designated FEMA Floodplain or floodway as of September 26, 2006.



VICINITY MAP

26 SEPTEMBER 2006

Baughman Company, P.A.
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Baughman ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

F:/PLAT/.DWG