

FLOOD ZONE MAP

Sec. 16 T28S, 1E
MACARTHUR ROAD

BROADWAY
43RD ST. S.
INTERSTATE HIGHWAY 235

SCALE: 1" = 2,000'

FLOOD ZONE:

Subject property is in Zone A3, as shown of Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for Sedgwick County, Kansas, Community Panel Number 200321 175A, effective June 3, 1986.

QUADRANGLE MAP

Sec. 16, T28S, 1E
MACARTHUR ROAD

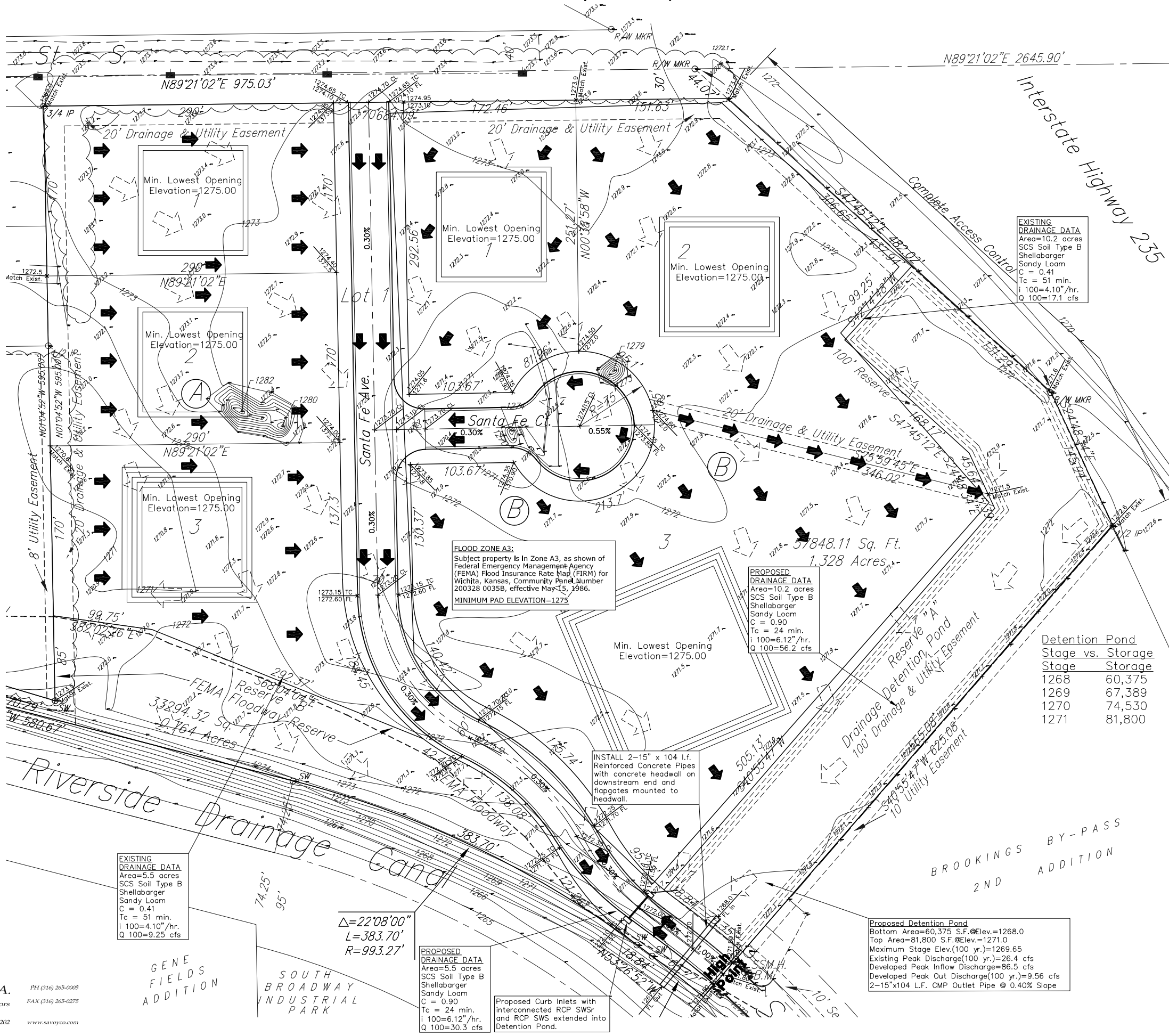
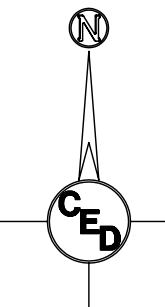
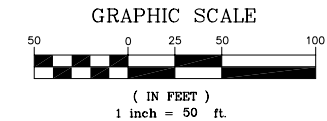
BROADWAY
43RD ST. S.
INTERSTATE HIGHWAY 235

DERBY QUADRANGLE
7.5 Minute Series

SCALE: 1" = 2,000'

FOUR CORNER DRAINAGE PLAN OF 'M A A ADDITION' WICHITA, KANSAS

NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 16, TOWNSHIP 28 SOUTH, RANGE 1 EAST, OF THE 6TH P.M.



OWNER:
David Udden
12183 SW Butler Rd.
Andover, Kansas 67007

- DRAINAGE KEY**
- = PROPOSED FLOW DIRECTION
 - = EXISTING FLOW DIRECTION
 - = EXISTING CONTOURS
 - = FLOODWAY RESERVE
 - = EXISTING AND/OR PROPOSED ELEVATIONS

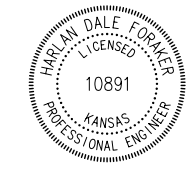
PROPOSED LAND USE:
The proposed land use is assumed to be buildings and parking lot surfacing. Due to the close proximity of the Riverside Drainage Channel the developed peak discharge is proposed to be drained directly to the existing channel. The time of concentration for MAA Addition as compared to a longer time of concentration for the peak flow to occur in the Riverside Drainage Canal is likely relatively short. However, detention storage is being constructed within the MAA Addition in order to limit the developed peak discharge to less than the undeveloped peak discharge from this site.

PROPOSED SURFACE DRAINAGE:
*Surface drainage from this addition will continue to drain consistent with the existing contours depicted on this topographic map. Regrading and Dirt Fill is Proposed as required to build up street R/W and for building pads to reach minimum opening elevations as shown. However, fill of the entire lot is not proposed and developed lot drainage will be as reflected by existing contours.

Detention Pond
Stage vs. Storage

Stage	Storage
1268	60,375
1269	67,389
1270	74,530
1271	81,800

SURVEY DISCLAIMER:
TOPOGRAPHIC SURVEY AND CONTOUR MAP USED IN PREPARING PLANS WAS PROVIDED BY SAVOY COMPANY, P.A., 535 S. EMPORIA, SUITE 104, WICHITA, KS. ENGINEER DOES NOT GUARANTEE SURVEY ELEVATIONS FOR ACCURACY. CONTRACTOR SHALL VERIFY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES.



PH (316) 265-0005
FAX (316) 265-0275
www.savoyco.com

GENE FIELDS ADDITION
SOUTH BROADWAY INDUSTRIAL PARK

PROPOSED DRAINAGE DATA
Area=5.5 acres
SCS Soil Type B
Shellabarger
Sandy Loam
C = 0.90
Tc = 24 min.
i 100=6.12"/hr.
Q 100=30.3 cfs

Proposed Curb Inlets with interconnected RCP SWS and RCP SWS extended into Detention Pond.

Proposed Detention Pond
Bottom Area=60,375 S.F. @Elev.=1268.0
Top Area=81,800 S.F. @Elev.=1271.0
Maximum Stage Elev.(100 yr.)=1269.65
Existing Peak Discharge(100 yr.)=26.4 cfs
Developed Peak Inflow Discharge=86.5 cfs
Developed Peak Out Discharge(100 yr.)=9.56 cfs
2-15"x104 L.F. CMP Outlet Pipe @ 0.40% Slope

FOUR CORNER DRAINAGE PLAN FOR
M A A ADDITION
WICHITA, KANSAS
PROJ. NO.: 20051246
CERTIFIED ENGINEERING DESIGN, P.A.
810 WEST DOUGLAS, SUITE C
WICHITA, KANSAS 67203
PH.(316)262-8808 FAX.(316)262-1669

DESIGNED: HDF	SCALE: 1"=50'	SHEET 1
DRAWN: BAP	DATE: 2/05	TOTAL 1
CHECKED: HDF	CED FILE: M A A_BASE.DWG	TOTAL 1