

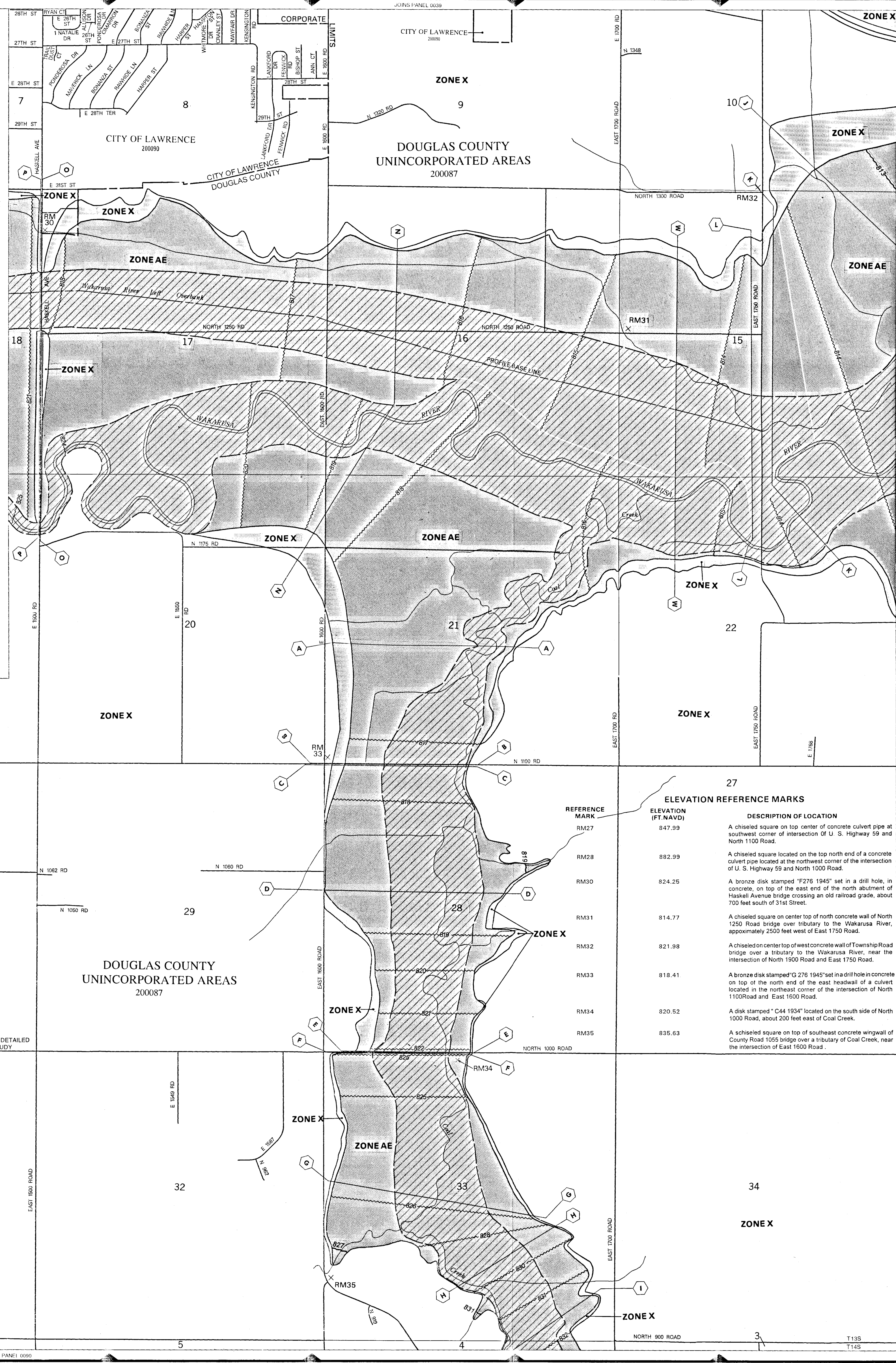
THIS AREA IS SHOWN ON MAP NUMBER 20045C0076

LEGEND

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodway boundaries have been determined, users are encouraged to consult the Flood Profiles and Floodway Data Tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations and therefore may not exactly reflect the flood elevation data presented in the FIS. For construction and/or floodplain management purposes, users are encouraged to use the flood elevation data presented in the FIS in conjunction with the data shown on the FIRM.

Elevation Reference Marks (ERM) elevations listed on this map were obtained and/or developed to establish vertical control for determination of flood elevations and floodplain boundaries portrayed on this map. Users should be aware that these ERM elevations may have changed since the publication of this map. To obtain up-to-date elevation information on National Geospatial Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-2042 or visit their website at www.ngs.noaa.gov. Map users should seek verification of non-NGS ERM monument elevations when using these elevations for construction or floodplain management purposes.

Coastal BFEs shown on this map apply only to landward of 0.0 National Geospatial Survey Vertical Datum (NGVD). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.



LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depth determined; for areas of alluvial fan flooding; velocities also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection systems under construction; no base flood elevations determined.
- ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.
- OTHER AREAS** Areas determined to be outside 500-year floodplain.
- ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

- Identified 1983
- Identified 1990
- Otherwater Protected Areas

(Coastal barrier areas are normally located within or adjacent to special flood hazard areas.)

Floodplain Boundary
Floodway Boundary
Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones

57.3 Base Flood Elevation Line; Elevation in Feet*
Cross Section Line
Base Flood Elevation in Feet Where Uniform Within Zone*

EL 987.1 Elevation Reference Mark
RM 7.4 River Mile
RM 1.5 River Mile

*Referenced to the North American Vertical Datum of 1988.

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on BFEs, and for any information on floodway determinations, prior to use of this map for property purchase or construction purposes.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, A1-A30, AH, AD, A99, V, VE, and V1-V30.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Refer to Floodway Data Table where floodway width is shown at 1/200 scale.

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

For community map revision history prior to countywide mapping, see section 6.0 of the Flood Insurance Study Report.

For adjoining panels, see separately Printed Map Index.

MAP REPOSITORY
Refer to Repository Listing on Index Map

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP:
NOVEMBER 7, 2001

EFFECTIVE DATE (S) OF REVISION (S) TO THIS PANEL:

Refer to the FLOOD INSURANCE RATE MAP EFFECTIVE DATE shown on this map to determine when actual rates apply to structures in the zones where evaluations or depths have been established.

To determine if flood insurance is available, contact an insurance agent or call the National Flood Insurance Program at (800) 638-6629.

ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT NAVD)	DESCRIPTION OF LOCATION
RM27	847.99	A chiseled square on top center of concrete culvert pipe at southwest corner of intersection of U. S. Highway 59 and North 1100 Road.
RM28	882.99	A chiseled square located on the top north end of a concrete culvert pipe located at the northwest corner of the intersection of U. S. Highway 59 and North 1000 Road.
RM30	824.25	A bronze disk stamped "F276 1945" set in a drill hole, in concrete, on top of the east end of the north abutment of Haskell Avenue bridge crossing an old railroad grade, about 700 feet south of 31st Street.
RM31	814.77	A chiseled square on center top of north concrete wall of North 1250 Road bridge over tributary to the Wakarusa River, approximately 2550 feet west of East 1750 Road.
RM32	821.98	A chiseled on center top of west concrete wall of Township Road bridge over a tributary to the Wakarusa River, near the intersection of North 1900 Road and East 1750 Road.
RM33	818.41	A bronze disk stamped "G 276 1945" set in a drill hole in concrete on top of the north end of the east headwall of a culvert located in the northeast corner of the intersection of North 1100 Road and East 1600 Road.
RM34	820.52	A disk stamped "C44 1934" located on the south side of North 1000 Road, about 200 feet east of Coal Creek.
RM35	835.63	A chiseled square on top of southeast concrete wingwall of County Road 1055 bridge over a tributary of Coal Creek, near the intersection of East 1600 Road.

APPROXIMATE SCALE IN FEET
1000 0 1000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

DOUGLAS COUNTY KANSAS AND INCORPORATED AREAS

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
LAWRENCE, CITY OF UNINCORPORATED AREAS	200087	0080	C
	200087	0080	C

MAP NUMBER 20045C0080 C

EFFECTIVE DATE: NOVEMBER 7, 2001

Federal Emergency Management Agency