



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 this FIS in conjunction with the data shown on the FIS.

Elevation Reference Marks (ERM) elevations listed on this map were obtained and developed to establish vertical control for determination of flood elevations and floodway 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 Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (203) 713-3342, 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 the National Geodetic Survey Vertical Datum (NGVD). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Streamwise Elevations Table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Streamwise 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 INUNDED 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 area of scouring); base flood elevations determined.
- ZONE AD** Flood depths of 1 to 3 feet (usually area of scouring); average depth determined; for areas of shallow tan flooding, velocity also determined.
- ZONE A99** To be protected from 100-year flood by Federal flood protection system 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 100-year flood; areas of 300-year flood with average depths of less than 1 foot and with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- ZONE X** Areas determined to be outside 100-year floodplain.
- ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS†

- Identified 1983
- Identified 1994
- Other/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

—513— Base Flood Elevation Line; Elevation in Feet*
 (D) —(D) Cross Section Line
 (D) —(D) Base Flood Elevation in Feet Where Uniform Within Zone*
 RM7x Elevation Reference Mark
 *M1.5 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 potential hazards outside Special Flood Hazard Areas. The community map repository should be consulted for more detailed data on SFHAs, 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, AO, 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 1/20 inch.

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 actuarial 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) 638-6620.

APPROXIMATE SCALE IN FEET

0 500 500

ZONE X ELEVATION REFERENCE MARKS

REFERENCE MARK	ELEVATION (FT NAVD)	DESCRIPTION OF LOCATION
RM25	835.71	A railroad spike in pole on north-south pole line located at the southeast corner of the intersection of E. 1200 Road and W. 31st Street at Section corner 15, 14, 10 and 11, T13S, R19E.
RM26	830.14	A chiseled square on top of center of south concrete headwall of culvert located in the southwest corner of the intersection of N. 1200 Road and E. 1200 Road.
RM72	849.85	Top of fire plug at corner of Atchison Avenue and 26th Street.
RM75	946.54	A chiseled square on top of concrete curbing located about 3 feet southeast of north median at intersection of U.S. Highway 59 and County Road, at corporate limits.

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 13 SOUTH, RANGE 19 EAST, AND TOWNSHIP 13 SOUTH, RANGE 20 EAST.

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	20090	0076	C
	20098	0076	C

MAP NUMBER
 20045C0076 C

EFFECTIVE DATE:
 NOVEMBER 7, 2001

Federal Emergency Management Agency