



**LEGEND**

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data labels 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) ERM's shown on this map, please contact the Information Services Branch of the NGS at (301) 713-0242 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 BFE's shown on this map apply only to landward of 0.07 National Geospatial 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.

**ELEVATION REFERENCE MARKS**

REFERENCE MARK	ELEVATION (FT. NAVD)	DESCRIPTION OF LOCATION
RM9	884.50	A railroad spike set in the base of a pole located at the northeast corner of the intersection of N 1750 Road, and E 1000 Road.

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 12 SOUTH, RANGE 19 EAST.

**LEGEND**

**SPECIAL FLOOD HAZARD AREAS INUNDATE 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 AD** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding; velocities 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 500-year flood; areas of 100-year flood with average depth of elevation 1 foot or 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 500-year floodplain.
- ZONE D** Areas in which flood hazards are undetermined.

**UNDEVELOPED COASTAL BARRIERS**

- Identified 1982
- Identified 1990
- Otherwise 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  
 Cross Section Line  
 Base Flood Elevation Line; Elevation in Feet\* (EL 907)  
 River Title  
 Elevation Reference Mark  
 RM 7.5  
 RM 1.5

\*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. All planning, features outside coastal barrier areas, and other areas not shown on this map should be contacted for more detailed data on BFEs, and for any information on floodway designations, 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 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 8.0 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) 638-6620.

**APPROXIMATE SCALE IN FEET**

0 500 1000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM**  
**FLOOD INSURANCE RATE MAP**

**DOUGLAS COUNTY**  
**KANSAS AND**  
**INCORPORATED AREAS**

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
LAWRENCE, CITY OF	20090	0017	0
UNINCORPORATED AREAS	20087	0017	0

**MAP NUMBER**  
20045C0017 C

**EFFECTIVE DATE:**  
NOVEMBER 7, 2001

Federal Emergency Management Agency