



REFERENCE MARK	ELEVATION (FT. NAVD)	DESCRIPTION OF LOCATION
RM37	837.52	A railroad spike in a pole located at the northeast corner of the intersection of two dirt roads, at the entrance to the Lawrence landfill.
RM39	839.41	A chiseled square on north headwall of concrete culvert located in the northwest corner of the intersection of U.S. Highway 24 and East 1400 Road.
RM40	841.13	A chiseled square on south end of east masonry abutment of North 2000 Road bridge over Mud Creek.
RM41	838.90	A chiseled square near west end of the concrete retaining wall on the south end of East 1500 Road bridge over Mud Creek.
RM42	834.77	A standard disk stamped 'D276 1945' located 3 feet above the ground on the south wall of the administration building at Lawrence Municipal Airport.
RM43	834.23	A chiseled square on top of south concrete wingwall of east abutment of North 1900 Road bridge over Mud Creek.
RM44	828.40	A chiseled square on concrete wingwall at the southwest corner of East 1600 Road bridge over Mud Creek.

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 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 depths of less than 1 foot or with drainage area 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 1996
- 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) — Cross Section Line
 (EL 987) — Base Flood Elevation in Feet Where Uniform Within Zone†
 RM 7 — Elevation Reference Mark
 M1.5 — River Mile

*Referenced to the North American Vertical Datum of 1988.

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 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 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 Geodetic Survey (NGS) ERMs shown on this map, please contact the Information Services Branch of the NGS at (301) 713-2342, 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 0.7 National Geodetic 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.

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 floods) include Zones A, AE, A1-A30, AH, AO, A99, V, VE and V-100.

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 hydrologic 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 6 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) 638-6626.

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	200090	0030	C
	200087	0030	C

MAP NUMBER
20045C0030 C

EFFECTIVE DATE:
NOVEMBER 7, 2001

Federal Emergency Management Agency