



14  
DOUGLAS COUNTY  
UNINCORPORATED AREAS  
200087

CITY OF LAWRENCE  
200090

**ELEVATION REFERENCE MARKS**

REFERENCE MARK	ELEVATION (FT. NAVD)	DESCRIPTION OF LOCATION
RM 45	846.44	A benchmark along the Atchison, Topeka and Santa Fe Railway, about 2.4 miles west from the station at Lawrence, 99 feet southwest of the track, 24 feet northeast of a white wooden witness post 10 feet higher than the track.
RM 82	826.11	The top of a vertical section of rail painted white projecting 1.5 feet above ground located 12 feet north of the centerline of Atchison, Topeka and Santa Fe Railway, about 200 feet northwest of Second Street bridge.
RM 84	815.97	A raised cross on top of east concrete headwall of culvert for Maple Grove Tributary under 3rd Street.
RM 85	816.37	A U.S. Coast & Geodetic Survey Disk stamped "B 278 RESET 1958" set in south concrete headwall of culvert located at southeast corner of intersection of U.S. Highway 69 and U.S. Highway 40 eastbound.

NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 12 SOUTH, RANGE 19 EAST TOWNSHIP 12 SOUTH, RANGE 20 EAST.

**LEGEND**

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and floodway boundaries have been determined, users are encouraged to consult the Flood Profile and Floodway Data labels contained within the Flood Insurance Study (FIS) report that accompanies this FIS. Users should be aware that BFEs shown on the FIS 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/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) 713-5242, or visit their website at [www.ngs.noaa.gov](http://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 50' of National Geodetic Datum (NGVD). Users of this FIS should be aware that coastal flood elevations are also provided in the Summary of Saltwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Saltwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIS.

**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 1 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 1 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
- Otherwise Protected Areas

**Other Symbols:**

- 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
- Base Flood Elevation Line; Elevation in Feet
- Cross Section Line
- Base Flood Elevation in Feet Where Uniform Within Zone
- EL 987
- RM 7
- RM 15
- River Mile

**NOTES**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all flooding potential 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 delineations, 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-A3, A3, A4, 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 compiled 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 1/200th.

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 elevations 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**  
0 500 0 500

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM FLOOD INSURANCE RATE MAP**

**DOUGLAS COUNTY KANSAS AND INCORPORATED AREAS**

**CONTAINS:**

COMMUNITY	NUMBER	PANEL	SUFFIX
LAWRENCE, CITY OF	200090	0036	C
UNINCORPORATED AREAS	200087	0036	C

**MAP NUMBER**  
20045C0036 C

**EFFECTIVE DATE:**  
NOVEMBER 7, 2001

**Federal Emergency Management Agency**