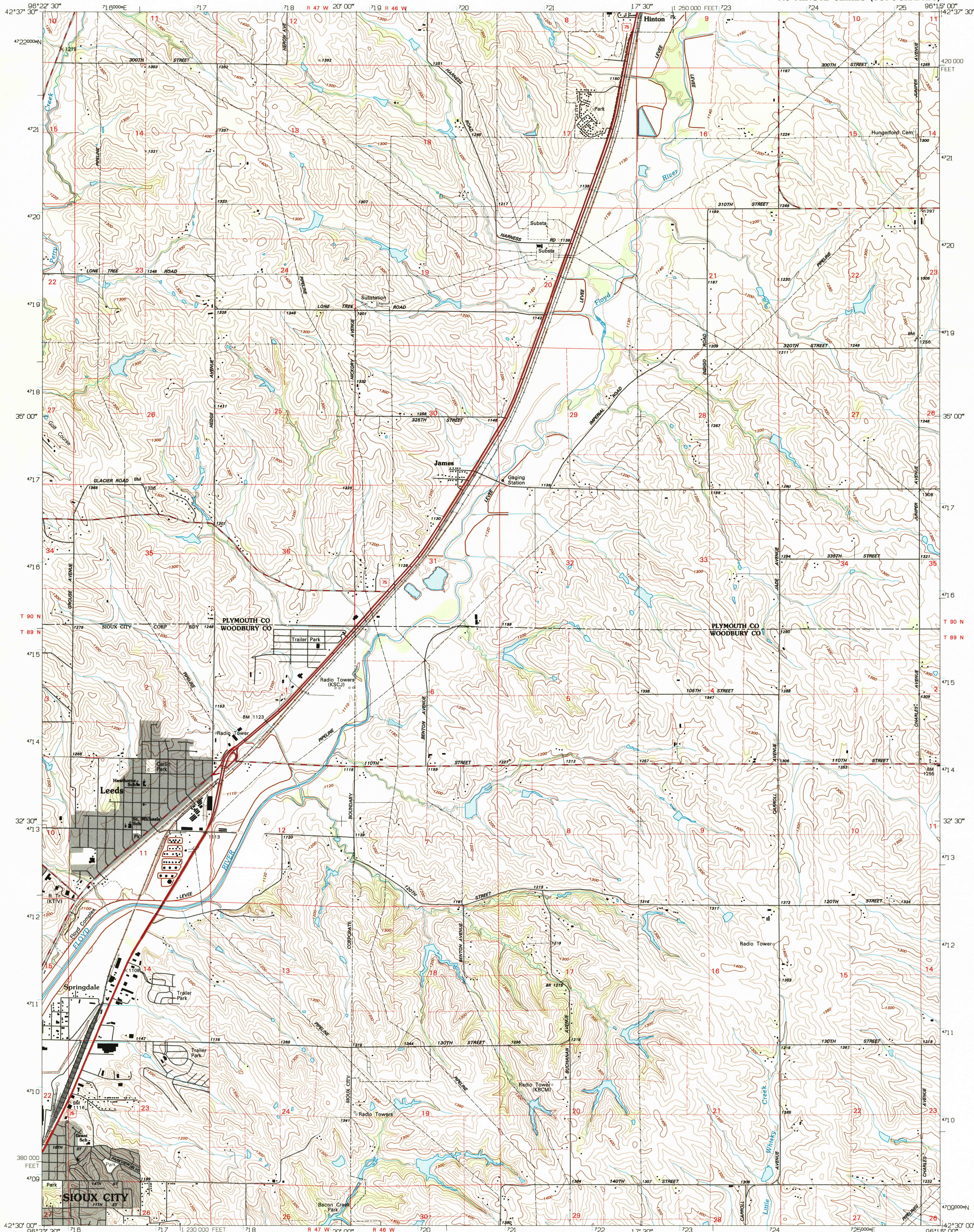
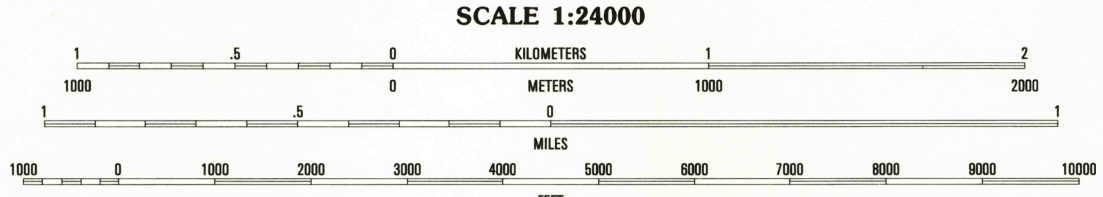
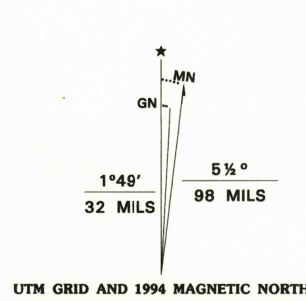


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

JAMES QUADRANGLE
IOWA
7.5 MINUTE SERIES (TOPOGRAPHIC)

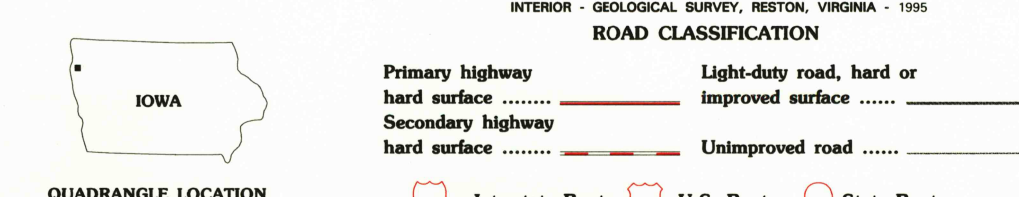


Produced by the United States Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs taken 1961. Field checked 1964. Revised from aerial photographs taken 1990. Field checked 1993. Map edited 1994
Universal Transverse Mercator projection
10,000-foot grid ticks: Iowa coordinate system, north zone 1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue
1927 North American Datum (NAD 27)
North American Datum of 1983 (NAD 83) is shown by dashed corner ticks
The values of the shift between NAD 27 and 83 for 7.5-minute intersections are given in USGS Bulletin 1875
Gray tint indicates areas in which only landmark buildings are shown
Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked



CONTOUR INTERVAL 20 FEET
SUPPLEMENTARY CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND IOWA GEOLOGICAL SURVEY, IOWA CITY, IOWA 52240
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



1	2	3	1 Millerville
4	5	6	2 Hinton
7	8	9	3 Union Center NW
			4 Sioux City North
			5 Union Center SW
			6 Sioux City South
			7 Sergeant Bluff
			8 Lawton

ADJOINING 7.5' QUADRANGLE NAMES

