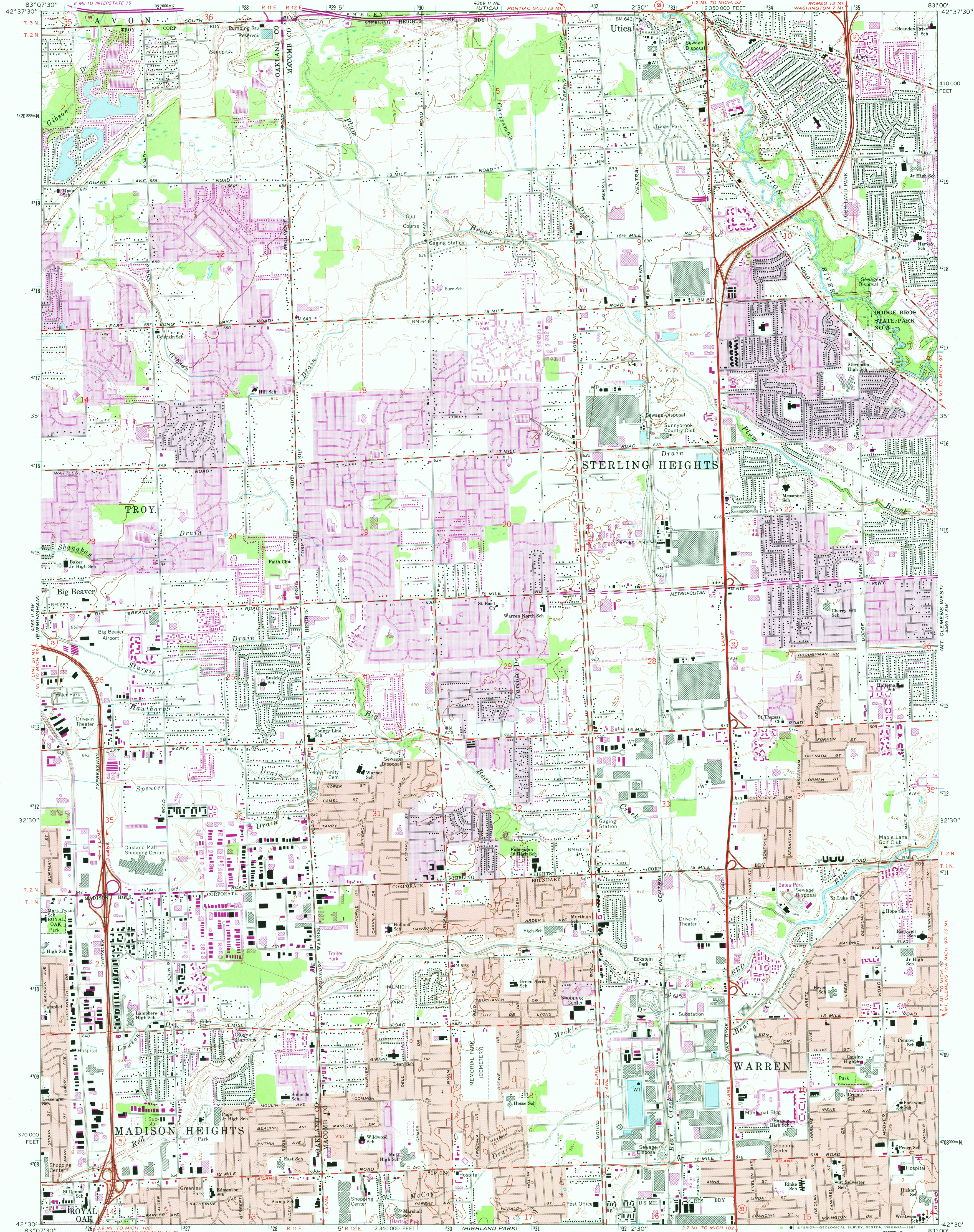


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WARREN QUADRANGLE
MICHIGAN
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
in cooperation with State of Michigan agencies

Control by USGS and USC&GS

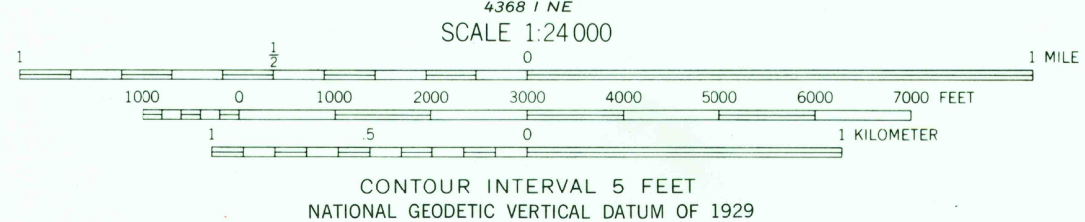
Planimetry by photogrammetric methods from aerial photographs
Topography by planimetric surveys 1944. Revised from aerial
photographs taken 1967. Field checked 1968

Polyconic projection. 1927 North American datum
10,000-foot grid based on Michigan coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue

Red tint indicates areas in which only landmark buildings are shown

To place on the predicted North American
Datum 1983 move the projection lines 7
meters west as shown by dashed corner ticks

There may be private inholdings within the boundaries of
the National or State reservations shown on this map



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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AND BY THE GEOLOGICAL SURVEY DIVISION
MICHIGAN DEPARTMENT OF NATURAL RESOURCES, LANSING, MICHIGAN 48909
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled from aerial photographs
taken 1973 and 1978. Map edited 1980. This information
not field checked

Purple tint indicates extension of urban area

ROAD CLASSIFICATION
Primary highway, all weather, hard surface
Secondary highway, all weather, hard surface
Interstate Route
Light-duty road, all weather, improved surface
Unimproved road, fair or dry weather
State Route



WARREN, MICH.
N4230-W8300/7.5

1968
PHOTOREVISED 1973 AND 1980
DMA 4369 II SE-SERIES V862

USGS
Historical File
National Mapping Div.

2050
MAR 12 1981