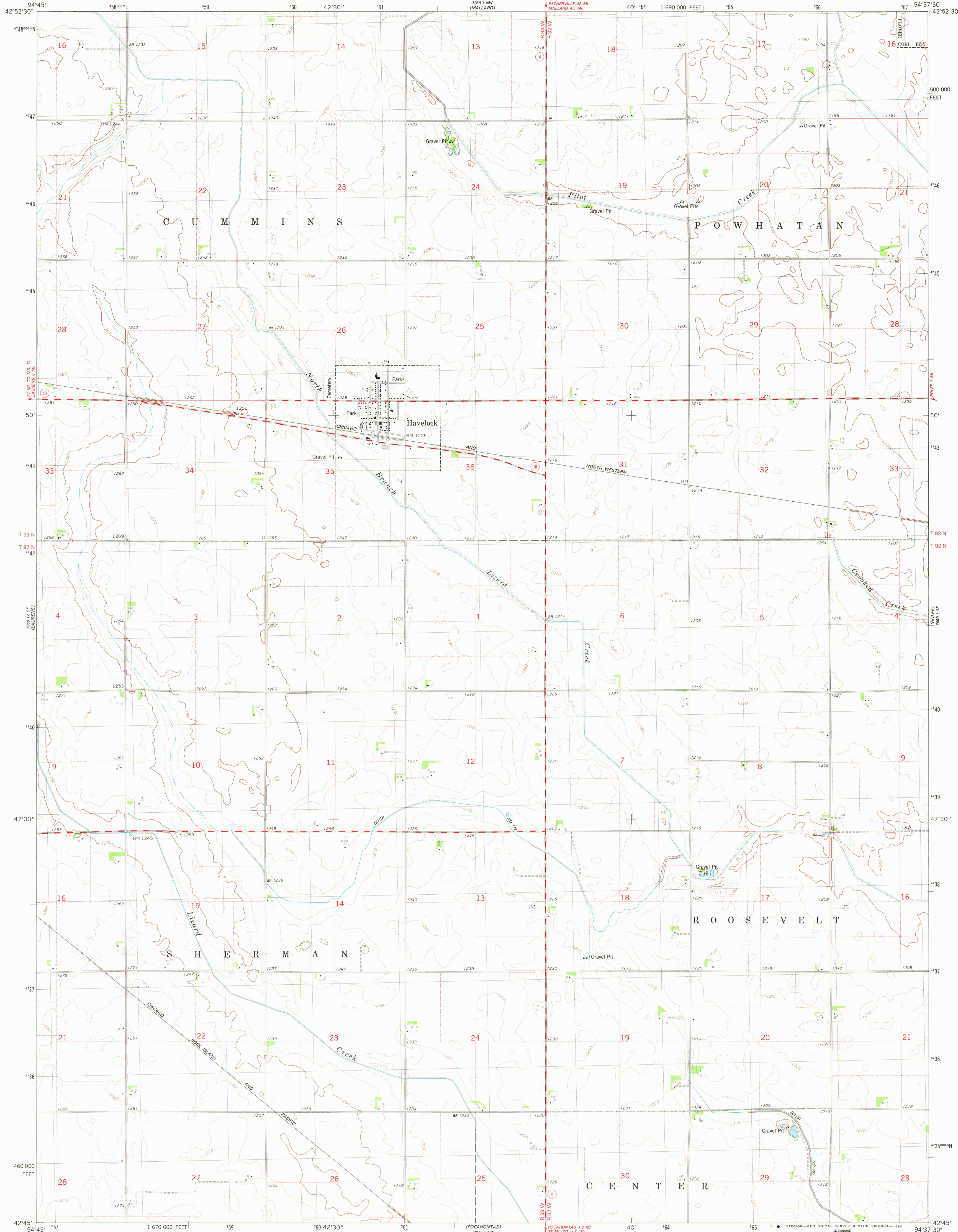


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HAVELOCK QUADRANGLE
IOWA-POCAHONTAS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs

taken 1974. Field checked 1976. Map edited 1980

Projection and 10,000-foot grid ticks: Iowa coordinate

system, north zone (Lambert conformal conic)

1000-meter Universal Transverse Mercator grid, zone 15

1927 North American Datum

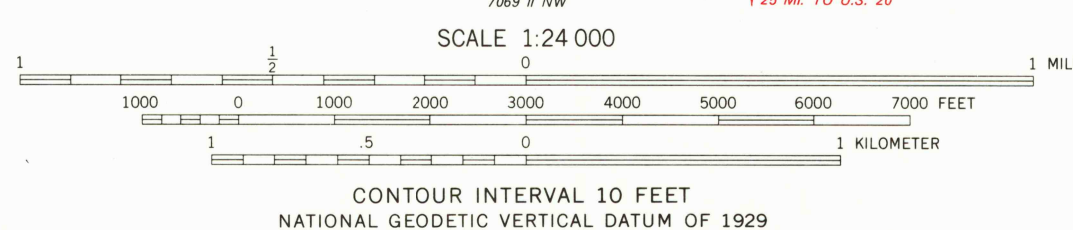
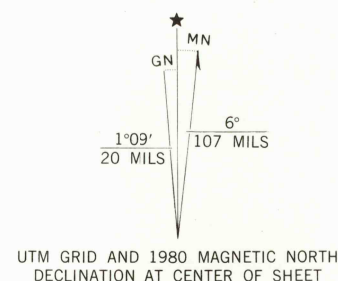
To place on the predicted North American Datum 1983

move the projection lines 5 meters north and

21 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence and field lines where

generally visible on aerial photographs. This information is unchecked



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Light-duty road, hard or improved surface
Unimproved road

Interstate Route
U. S. Route
State Route

USGS
Historical File
Topographic Division

HAVELOCK, IOWA

N4245-W9437.5/7.5

1980

DMA 7069 1 SW-SERIES V876