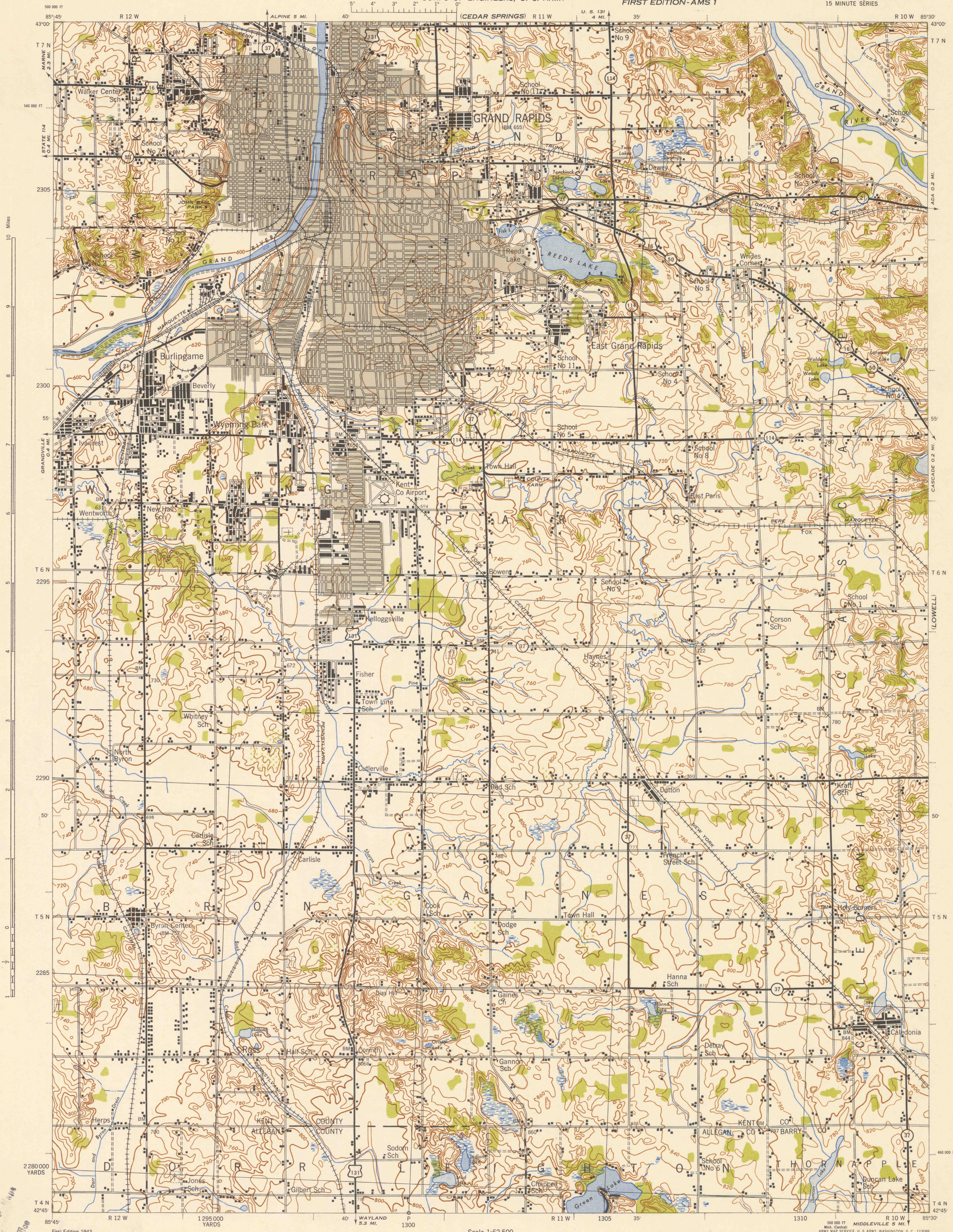
MICHIGAN 1:62,500

WAR DEPARTMENT
CORPS OF ENGINEERS, U. S. ARMY

FIRST EDITION-AMS 1

GRAND RAPIDS QUADRANGLE
15 MINUTE SERIES



Scale 1:62,500

1 0 1 2 3 Miles

1000 0 1000 2000 3000 4000 5000 Yards

CONTOUR INTERVAL 20 FEET

DATUM IS MEAN SEA LEVEL

FIVE THOUSAND YARD GRID COMPUTED FROM "GRID SYSTEM FOR PROGRESSIVE MAPS IN THE U. S." ZONE C, U. S. C. & G. S. SPECIAL PUBLICATION NO. 59

THE LAST THREE DIGITS OF THE GRID NUMBERS ARE OMITTED

MICHIGAN STATE GRID ZONE CENTRAL, IS INDICATED BY DOTTED TICKS OUTSIDE THE NEAT LINE AT 10,000 FOOT INTERVALS.

NOTE: OFFICERS USING THIS MAP WILL MARK HEREON CORRECTIONS AND ADDITIONS WHICH COME TO THEIR ATTENTION AND MAIL DIRECT TO THE CHIEF OF ENGINEERS, WASHINGTON, D. C.

First Edition 1943
Prepared under the direction of the Chief of Engineers, U. S. Army, 1943.
Army Map Service, Quincy unit.
Based on U. S. G. S. quadrangle, Grand Rapids, 1:62,500 (1914)
Control by U. S. Geological Survey
Surveyed in cooperation with the State of Michigan, 1911-1912
Revised from single lens vertical aerial photographs
Aerial photography - A. A. A. Department of Agriculture, 1938
Polyconic Projection, North American Datum.

ROAD CLASSIFICATION 1943

Dependable hard-surface, heavy-duty road.
Loose-surface graded, dry weather road.
U. S. Route 160
Secondary, hard-surface, all-weather road.
Dirt road.
State Route 30
More than two lanes indicated by note along road with tick at point of change. 3 LANE | 4 LANE

2°45' OR 49 MILS
2°18' OR 41 MILS
MAGNETIC NORTH

Use diagram only to obtain numerical values. To determine magnetic north line, connect the pivot point "P" on the south edge of the map with the value of the angle between grid and magnetic north, as plotted on the degree scale at the north edge of the map.

APPROXIMATE MEAN DECLINATION 1943
ANNUAL MAGNETIC CHANGE 1' INCREASE

GRAND RAPIDS, MICH.
N4245-W8530/15

560 000 FT Mich. (Central)
ARMY MAP SERVICE, U. S. ARMY, WASHINGTON, D. C., 113086
9-43-W15
1943