UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
WILLIAM F. CALLAHAN, COMMISSIONER

MASSACHUSETTS
READING QUADRANGLE
7.5 MINUTE SERIES

(Lawrence) 71°07'30" 42°37'30" 326 000m.E. MANCHESTER 36 MI. 3 MI. TO MASS. 114 5' 4 MI. TO MASS. 125 MANCHESTER 38 MI. (South Groveland) 2'30" 730 000 FEET 71°00' (Georgetown) 42°37'30"

4721 000m.N. 590 000 FEET

LAWRENCE (CIVIC CENTER) 6.8 MI. ANDOVER (CIVIC CENTER) 2.9 MI.

2 MI. TO U.S. 1 BEVERLY (JUNC. MASS. 1A) 7.3 MI.

CONCORD 18 MI. WILMINGTON 4.2 MI.

1.6 MI. TO U.S. 1 SALEM (JUNC. MASS. 107) 7 MI.

(Wilmington) 42°30' 32'30" (Salem)

BILLERICA (JUNC. U.S. 3) 9.1 MI. WILMINGTON 2.8 MI.

TOPSFIELD 8.4 MI. NEWBURYPORT 22 MI.

NORTH BEVERLY 8 MI. 10 MI. TO MASS. 22

8.4 MI. TO MASS. 2 3.5 MI. TO U.S. 3

550 000 FEET 4708 000m.N.

(Lexington) 42°30' 71°07'30" 4 LANE 0.9 MI. TO MASS. 128 BOSTON (CIVIC CENTER) 11 MI. 710 000 FEET 5' 1.7 MI. TO MASS. 28 LEXINGTON 10 MI. (Boston North) 1.8 MI. TO U.S. 1 BOSTON (CIVIC CENTER) 17 MI. 2'30" 333 000m.E. INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C. 1952 M R-5942 BOSTON (CIVIC CENTER) 16 MI. PROVIDENCE (CIVIC CENTER) 59 MI. 42°30' 71°00' (Lynn)

Mapped, edited, and published by the Geological Survey

Control by USGS and Massachusetts Geodetic Survey

Culture and drainage in part compiled from aerial photographs. Surveyed 1942. Revised 1951

Polyconic projection. 1927 North American datum
10,000-foot grid based on Massachusetts (Mainland) coordinate system

Red tint indicates area in which only landmark buildings are shown
1000-meter Universal Transverse Mercator grid ticks, zone 19, shown in blue

15° MAGNETIC NORTH TRUE NORTH

APPROXIMATE MEAN DECLINATION, 1951

SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

HARD-SURFACE ALL WEATHER ROADS		DRY WEATHER ROADS.	
Heavy-duty	4 LANE 6 LANE	Improved dirt	
Medium-duty	4 LANE 6 LANE	Unimproved dirt	
U. S. Route		State Route	

READING, MASS.
N4230—W7100/7.5
1951

USGS Historical File Topographic Division

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