HOLLAND 1:25,000

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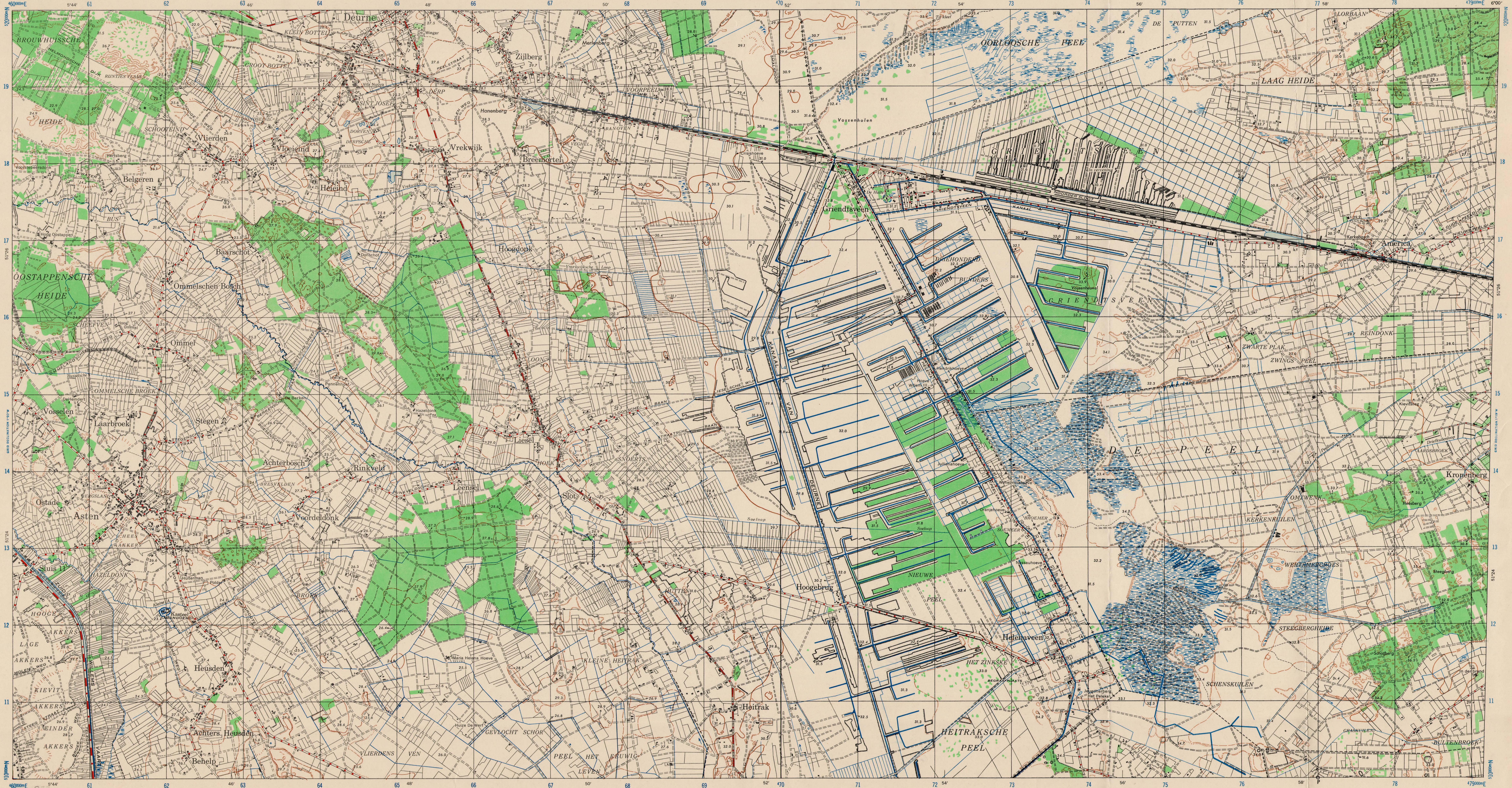
ASTEN

FIRST EDITION-AMS 1

SHEET 27 N.W.



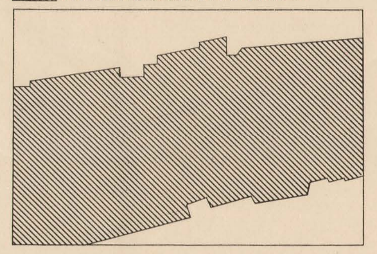
A.M.S. M831 (G.S.G.S. 4427)

First Edition 1943

Prepared under the direction of the Chief of Engineers, U. S. Army, by the Army Map Service (GE), U. S. Army, Washington, D. C., 1943. Compiled from Netherlands Topographische Dienst Maps, 1:25,000 1921–1934. Partially revised from 1943 aerial photography.

Principal communications revised from: Intelligence Reports; Automobile Map of the Netherlands, 1:200,000, K.N.A.C., 1937; Michelin Road Map, 1:200,000, Service Geographique de l'Armee, 1940; Railroads and Waterways of Holland, 1:300,000, G.S.G.S., 1942.

1943
REVISED FROM AERIAL PHOTOGRAPHY



LEGEND

National Highways (Superhighways) (with route marker)
2 roadways, each 6 meters wide or over, metalled
1 roadway, 12 meters wide or over, metalled
National Highways and Main Roads (with route marker). 6 meters wide or over, metalled
Other Main Roads (with route marker). 5 meters wide or over, metalled
Secondary Roads. 3 meters wide or over, generally metalled
Roads and Tracks. generally unmetalled
Paths
Standard Gauge Railroads, two tracks or more (steam) (electrified)
Standard Gauge Steam Railroads, single track
Standard Gauge Electrified Railroads, single track
Trams, Steam or Electric (standard gauge only where stated) (on road) (two tracks)
Railroad with Sidings (standard gauge)
Canal
Canal under construction
Transmission Line
(a) Fence Lines, Hedges or Possible Ditches
(b) Ditches
Submarine Contour Line
Shoreline at High Tide

Dike (2.5 meters or higher) with approaching ramp
Dike: (a)-with overflow (b)-with roller dam or spillway
Dike: (a) passable (b) passable but closed to traffic (c) impassable
Dike or Embankment (1-2.5 meters high) (a)-passable; (b)-impassable
Earth Embankment (less than 1 meter high) (a)-passable; (b)-impassable
Dike with Stone Bank and Pierhead
Dike with Wooden Bank and Pierhead
International Boundary with Marker and Number
Province Boundary
Commune Boundary
Windmill, Watermill, Monument
Church Church Control Point, Chapel, Cross
Cemetery
Contour Lines
Auxiliary Contour Lines, 12.5, 15, and 17.5 meters
Orchard or Nursery, Woodland

Scale 1:25,000

1 Mile — 1 Kilometer — 1000 Yards

LAMBERT CONICAL ORTHOMORPHIC PROJECTION

CONTOUR INTERVAL IN HOLLAND 10 METERS
WITH AUXILIARY INTERVAL OF 2.5 METERS
DATUM MEAN SEA LEVEL AT AMSTERDAM

The eastern edge of this sheet coincides with the meridian of 6° east of Greenwich as shown on German maps. Its value on the French system is 6°00'03.15"

NORD DE GUERRE ZONE GRID (Blue)

Projection:	Lambert Conical Orthomorphic
Spheroid:	Du Plessis
Origin:	49°30'N and 7°44'13.95"E
False Co-ordinates of Origin:	600,000 meters East 300,000 meters North
Scale Factor:	.999509081

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.

HEIGHTS IN METERS

TO GIVE A GRID REFERENCE ON THIS SHEET

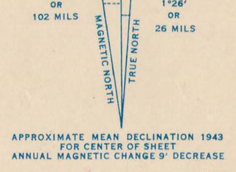
LETTER. Must be used for this sheet Obtain from face of map or from diagram

FIGURES. IGNORE the SMALLER figures printed near the sheet corners. These are for finding the full co-ordinates, viz. 460000

USE ONLY THE LARGER FIGURES PRINTED IN THE MARGIN OR ON THE FACE OF THE MAP Viz 460000

POINT OMMEL		LETTER E	
East Take West edge of square in which point lies, and read the figure printed opposite this line on North or South margin or on the line itself on the face of the map. *Estimate tenths Eastwards*	61 9	North Take South edge of square in which point lies, and read the figure printed opposite this line on East or West margin or on the line itself on the face of the map. *Estimate tenths Northwards*	15 6
East	619	North	156
REFERENCE E619156		To nearest 100 meters	

Unit	Meter
Square	1,000 meters
Nearest similar reference on this grid	500 Kms.

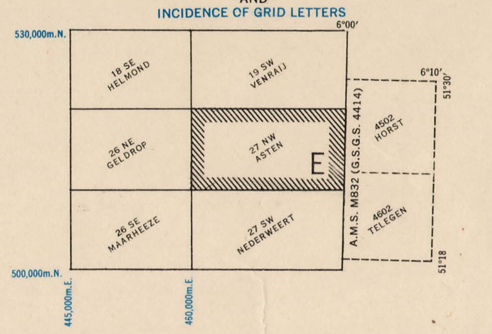


APPROXIMATE MEAN DECLINATION 1943
FOR CENTER OF SHEET
ANNUAL MAGNETIC CHANGE 9' DECREASE

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 NORTH and MAGNETIC NORTH, as plotted on the degree scale at the north edge of the map.

ARMY MAP SERVICE, U. S. ARMY, WASHINGTON, D. C. 130158
1943
1-44

INDEX TO ADJOINING SHEETS
AND
INCIDENCE OF GRID LETTERS



GLOSSARY

Beek	brook
Begraafplaats	cemetery
Berg(en)	hill(s)
Bosch	woods
Broek	marsh
Brug: Br	bridge
Dal	valley
Diep	deep water
Dijk	dike
Duin	dune
Eiland	island
Gat	channel
Gesticht	hospital
Gronden	shallows
Haven	harbor
Heide	moor
Hoek	point
Kaap	cape
Kapel	chapel
Kasteel	castle
Kil	channel
Klemzand	quicksand
Klooster	cloister
Kolk	pool
Kreek	creek
Loop	course
Meer	lake
Molen	mill
Peel	marshy land
Plaat	shoal
Poel	pool
Polder	reclaimed area
Reede	roadstead
Rif	reef
Rug	ridge
Sluis: Sl	sluice
Steen	rock
Strand	shore
Stroom	stream
Terp	mound
Vaart	waterway
Vallei	valley
Veer	ferry
Veld	field
Ven(nen)	fen(s)
Vijver	pond
Vlak	plain
Vliet	stream
Voormalig	abandoned
Waard	foreland, islet
Wad	tidal marsh
Weg	road
Wetering	water course
Woud	woods

ASTEN, HOLLAND
N5122-E544/5x16