



# TREES, PEOPLE AND THE BUILT ENVIRONMENT3

5—6 April 2017 University of Birmingham, UK

International Urban Trees Research Conference

## ‘Trees as integral part of infra-structure design’

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# WEST 8









27% the surface area = where  
60% population lives,  
is below sea level











5 Dijkwerken Andijk

**300 verwoeste boerderijen**

*300 destroyed farms*

**3000 beschadigde boerderijen**

*3000 damaged farms*

**1835 doden**

*1835 dead*

**72.500 evacués**

*72.500 evacuees*

**3.000 schapen**

*3.000 sheep*

**200.000 hectare land onder water**

*200.000 hectare land under water*

**3000 verwoeste woningen**

*3000 destroyed homes*

**2.000 paarden**

*2.000 horses*

# 1 februari 1953

**25.000 koeien**

*25.000 cows*

**140.000 stuks pluimvee**

*140.000 poultry*

**12.000 varkens**

*12.000 pigs*

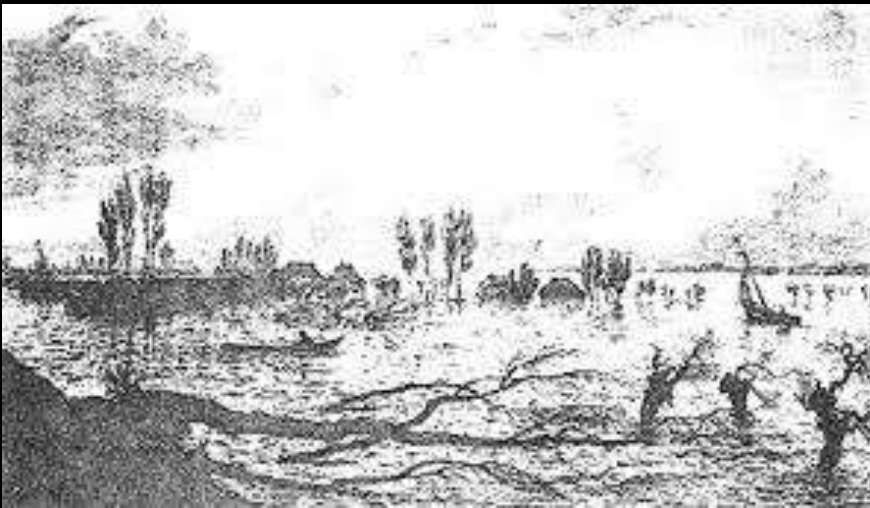
**40.000 beschadigde woningen**

*40.000 damaged homes*

**materiële schade: ruim 1,5 miljard gulden**

*material damage: over 1.5 billion guilders*

# The Low Lands



St Elizabeth Flood 1421



1682 S.W Holland



All Saints Flood 1570



1855 Gelderse Vallei



Roman Times 70AD

















IJ

Haarlem

Amsterdam

Lijnden

Cruquius

Amstel

Leeghwater

Vecht

Leiden



Pumping commenced in 1848 and the 150km<sup>2</sup> of polder land surfaced in 1852



Zandvoort

Haarlemmerliede

Haarlem

Heemstede

Haarlemmermeer

Hillegom

Aalsmeer

Noordwijkerhout

Lisse

Uithoorn

Teylingen

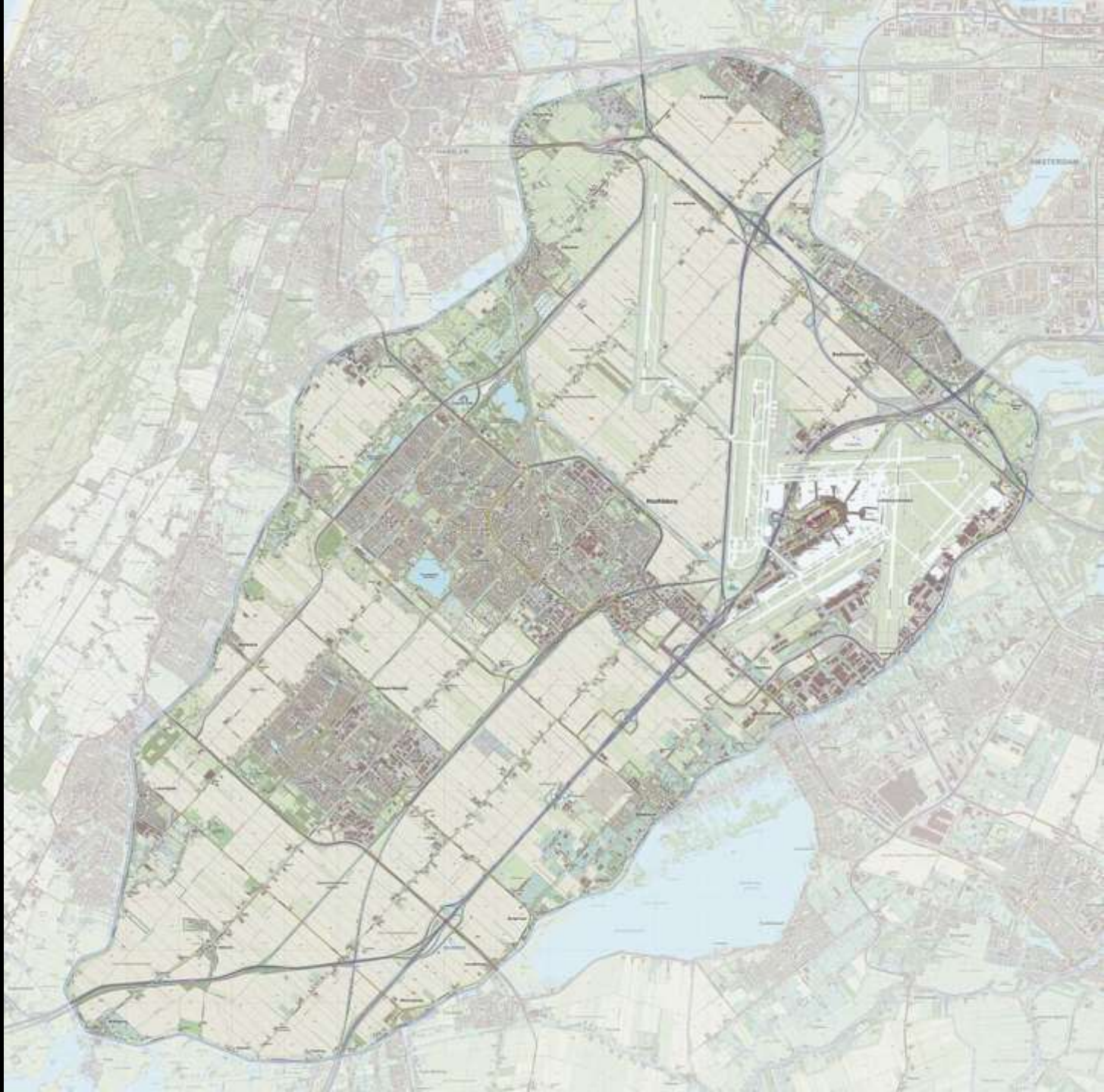
Kaag

Data SIO, NOAA, U.S. Navy, NGA, GEBCO  
© 2010 Tele Atlas  
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Image © 2010 Aerodata International Surveys



7.37 km

























A5





DELTA  
FLUGGEZEUG

80  
2.0



Schiphol

Image © 2013 DigitalGlobe

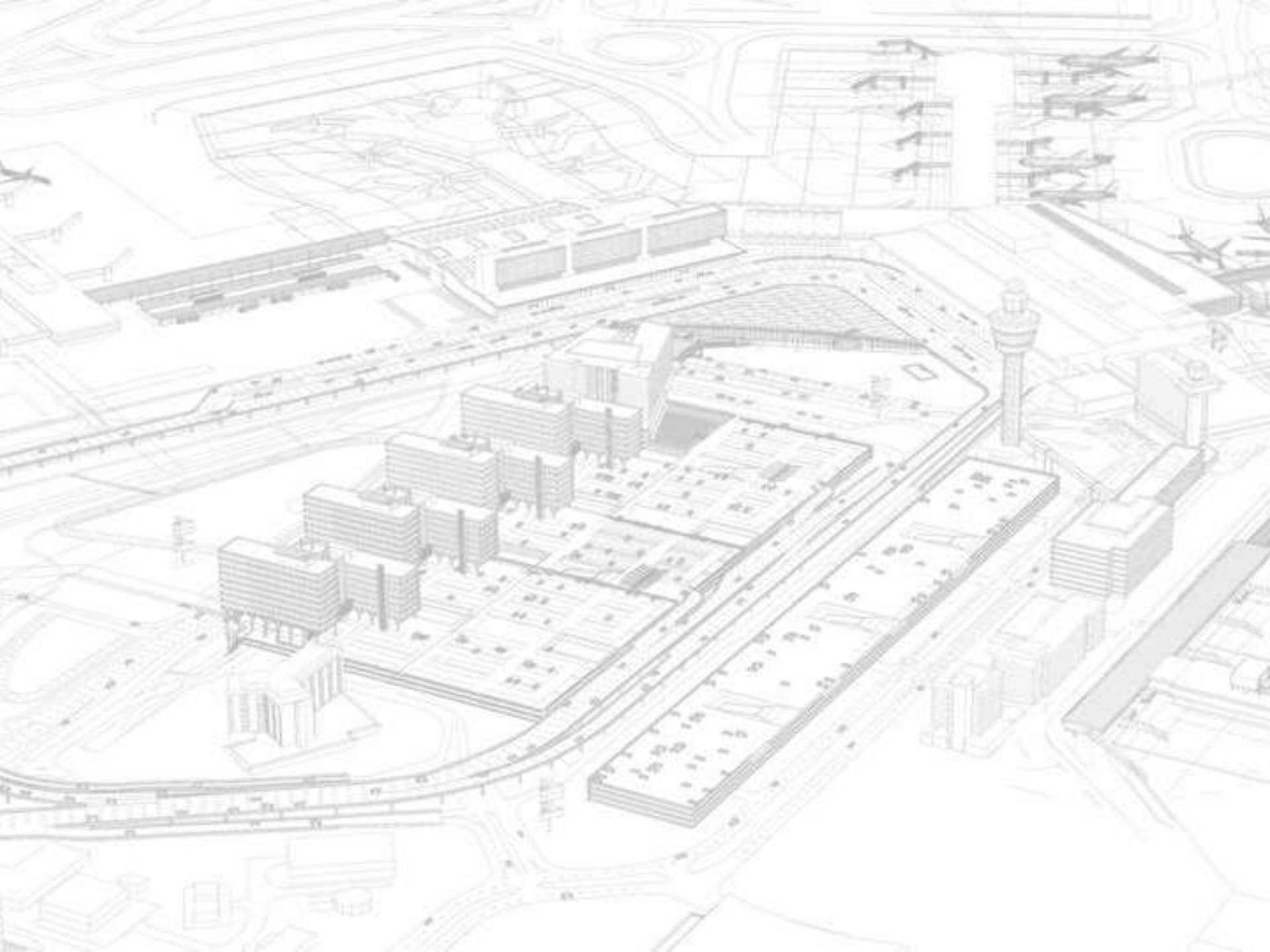
Image © 2013 Aerodata International Surveys

Goog

Datum van beeldmateriaal: 7-5-2008 52°18'46.89" N 4°46'20.92" O verh -1 m ooghoog









051 2570 6666





www.veolia.com

91-PAN-2



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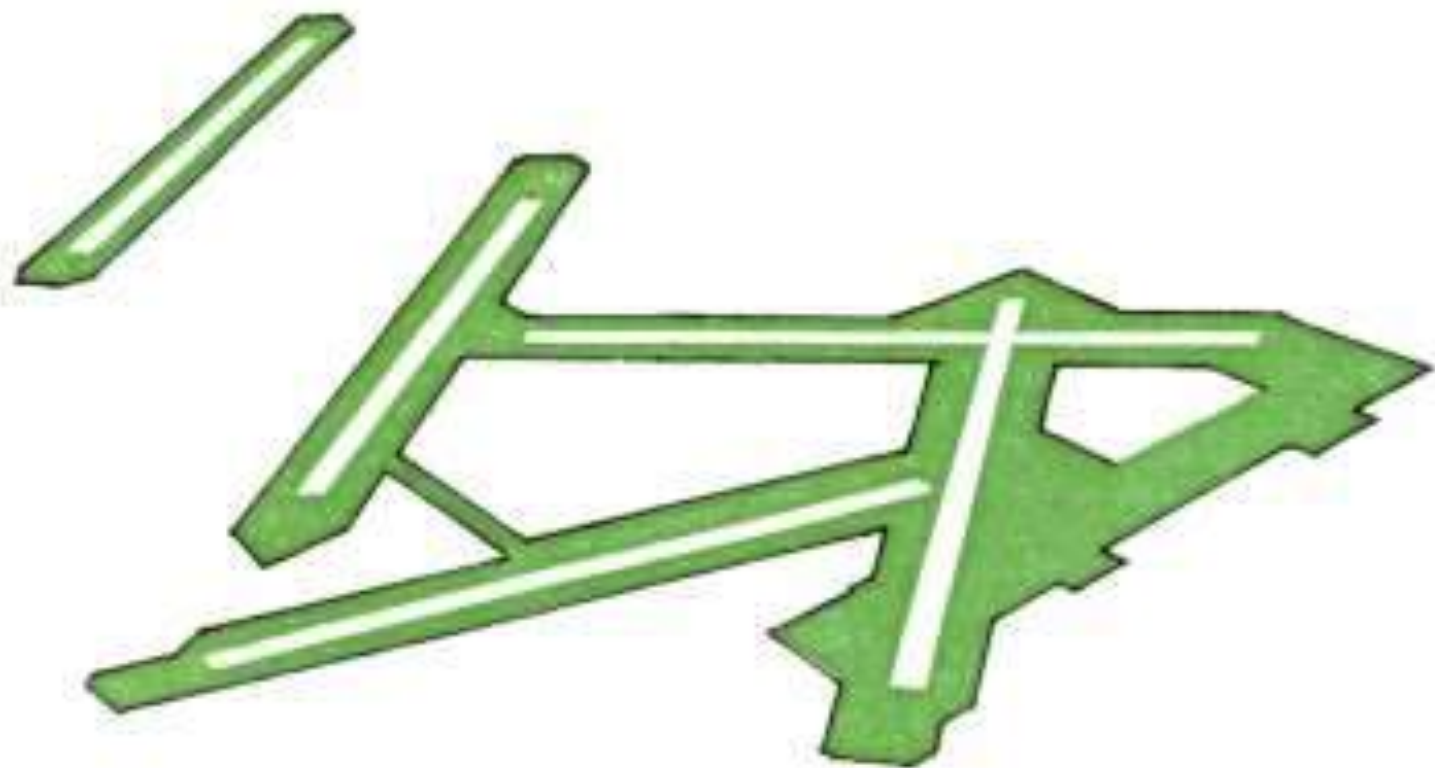
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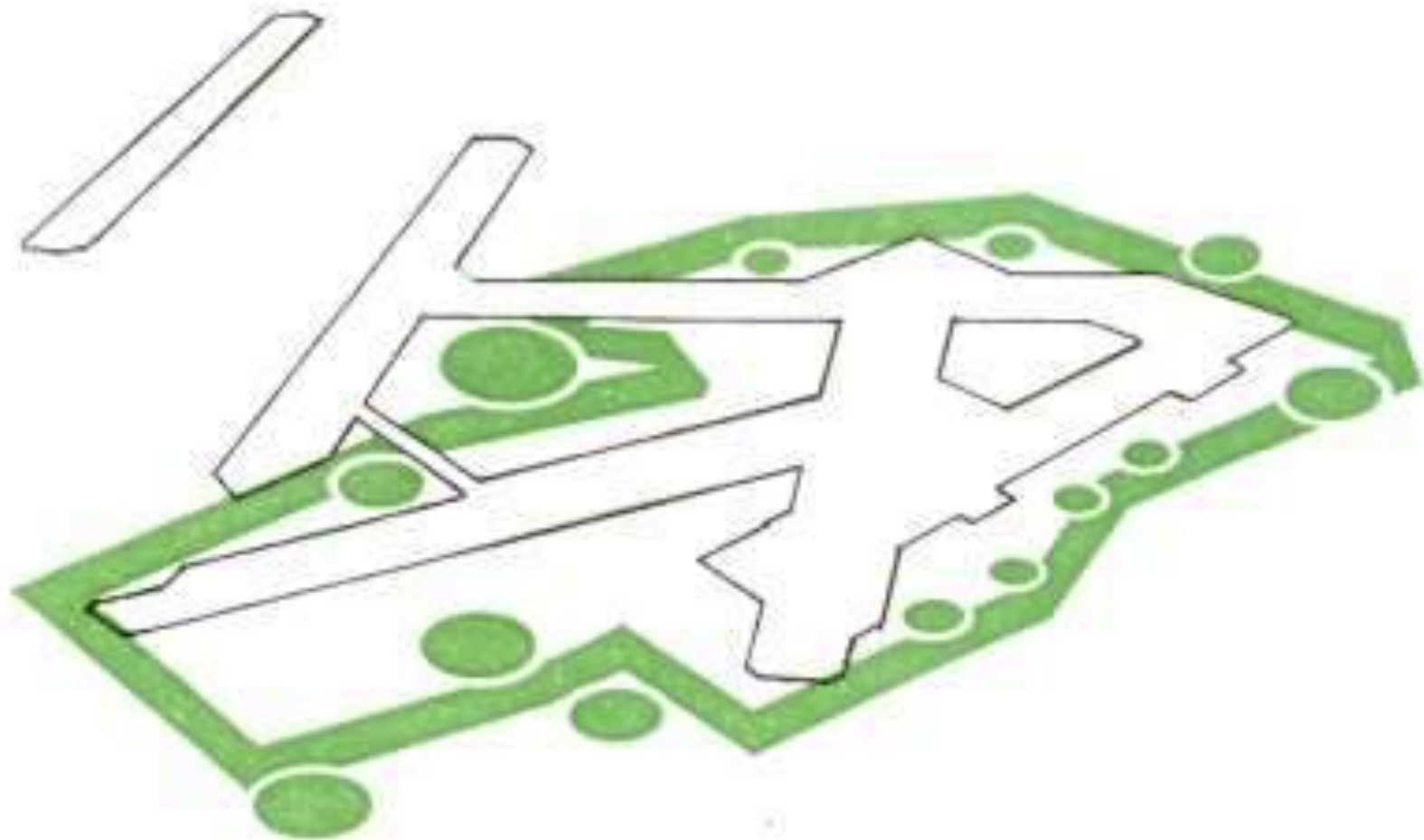
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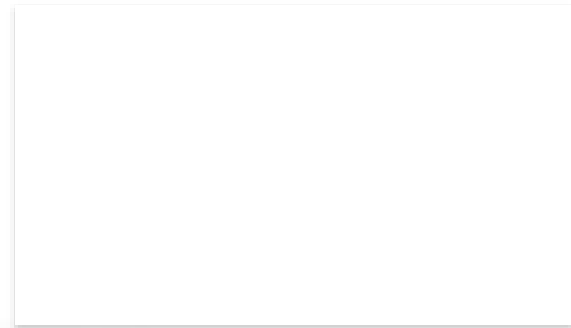
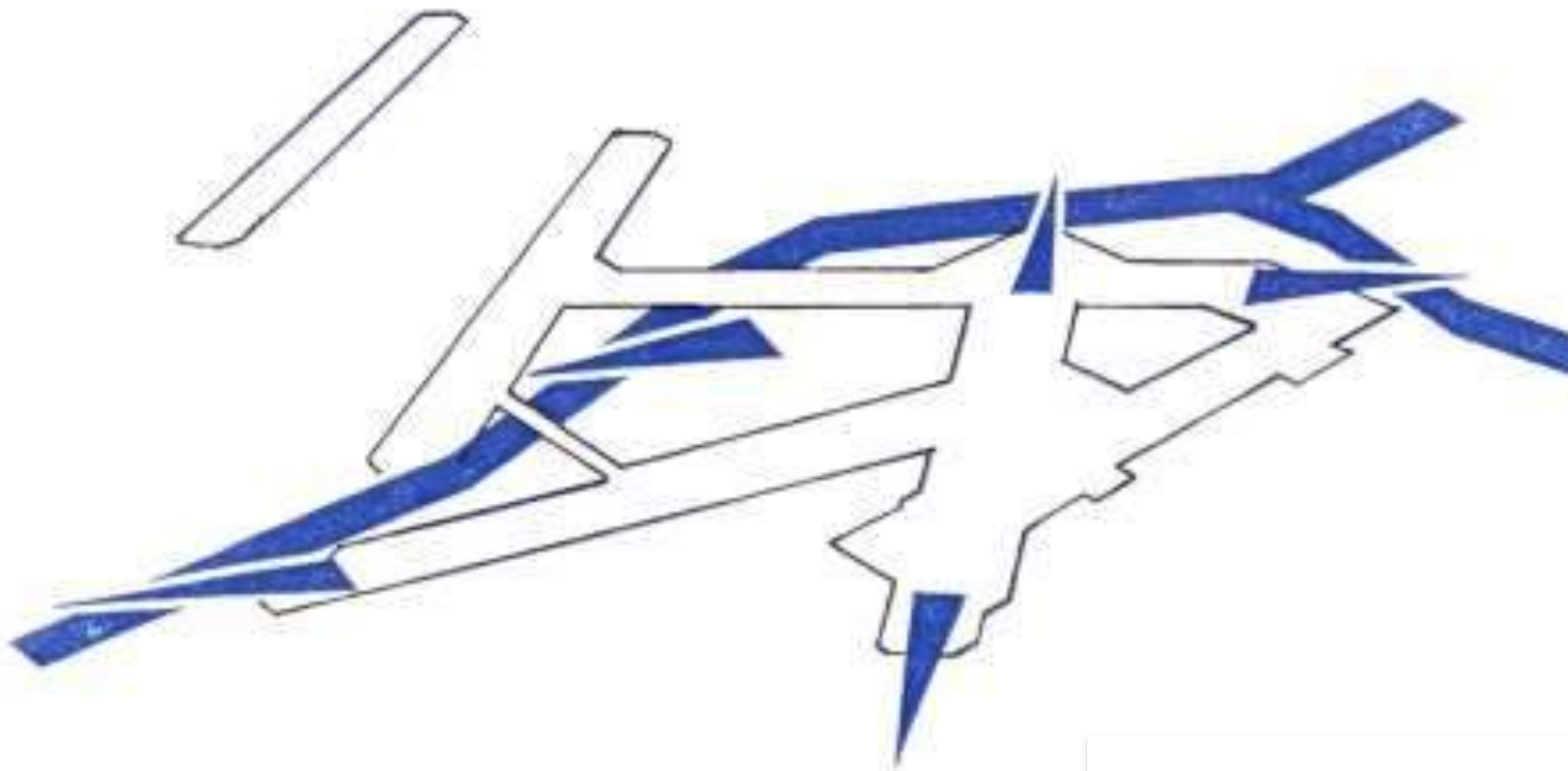




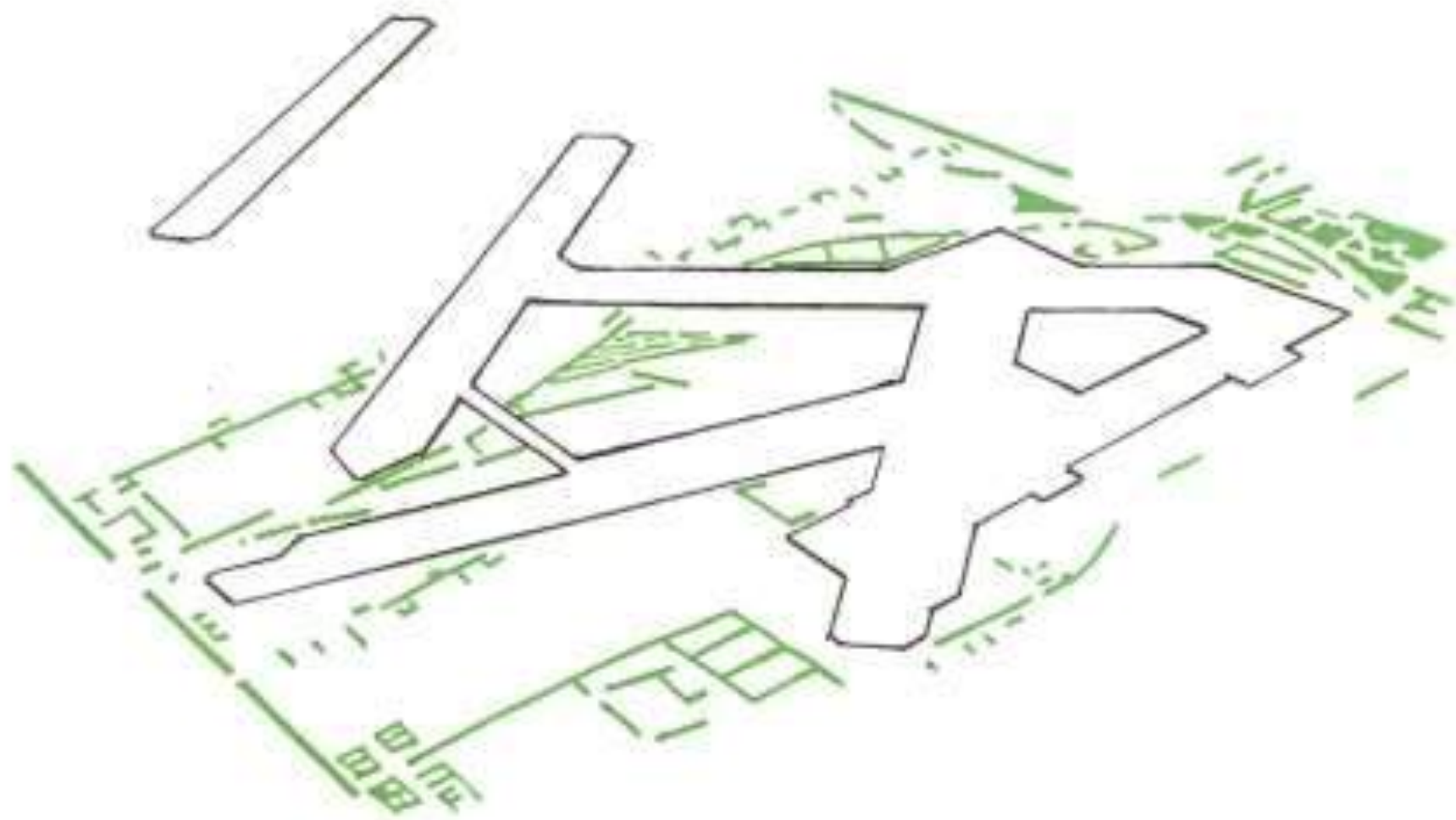


















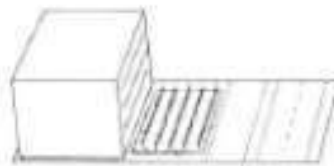
**P** Lang parkeren  
Long term parking

**P** Aankomst  
Arrivals

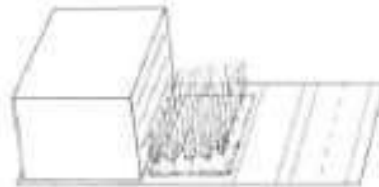
Schiphol Oost



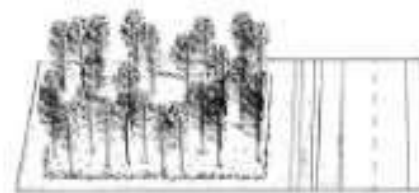




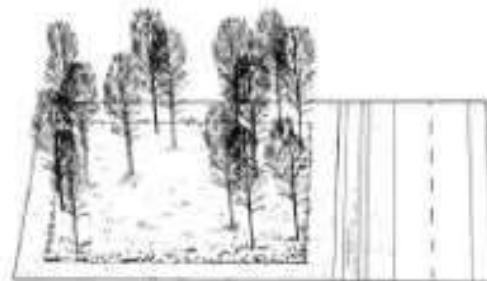
asplant



dunning 1



dunning 2



dunning 3

INTENSIVE MAINTENANCE

EXTENSIVE MAINTENANCE











VOORSLAG  
SHIPPEN  
NIEUW IN 2007  
SLEEDEN

San Berg  
Kantoor  
Kantoor









↑ **ANLEVERING**  
Anlieferung  
↓ **ABHOLUNG**  
Abholung Flughafen Zandvoort  
← **AUSGANG**  
Ausgang





Image © 2013 Aerodata International Surveys

Google

Datum van beeldmateriaal: 7-5-2008 52°17'38.93" N 4°46'09.05" O verh -3 m oogho





















Schiphol

Image © 2013 DigitalGlobe

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YOUR OFFICE  
CONNECTED  
TO THE WORLD!  
*Schiphol. Where else*

Schiphol Real Estate





# All you need is Red

Het nieuwe alles-in-1  
abonnement voor je mobiel  
van Vodafone.





“you make me feel special”





**op minder dan 50m afstand  
zijn borden buiten gezichtsveld**

250

50

50

250

**Reclame mast op enige  
afstand van de autoweg**









A12



A12









A4



























Narvik





















N59





A4



A7









Zaarderheiken, Venlo, A67/A73

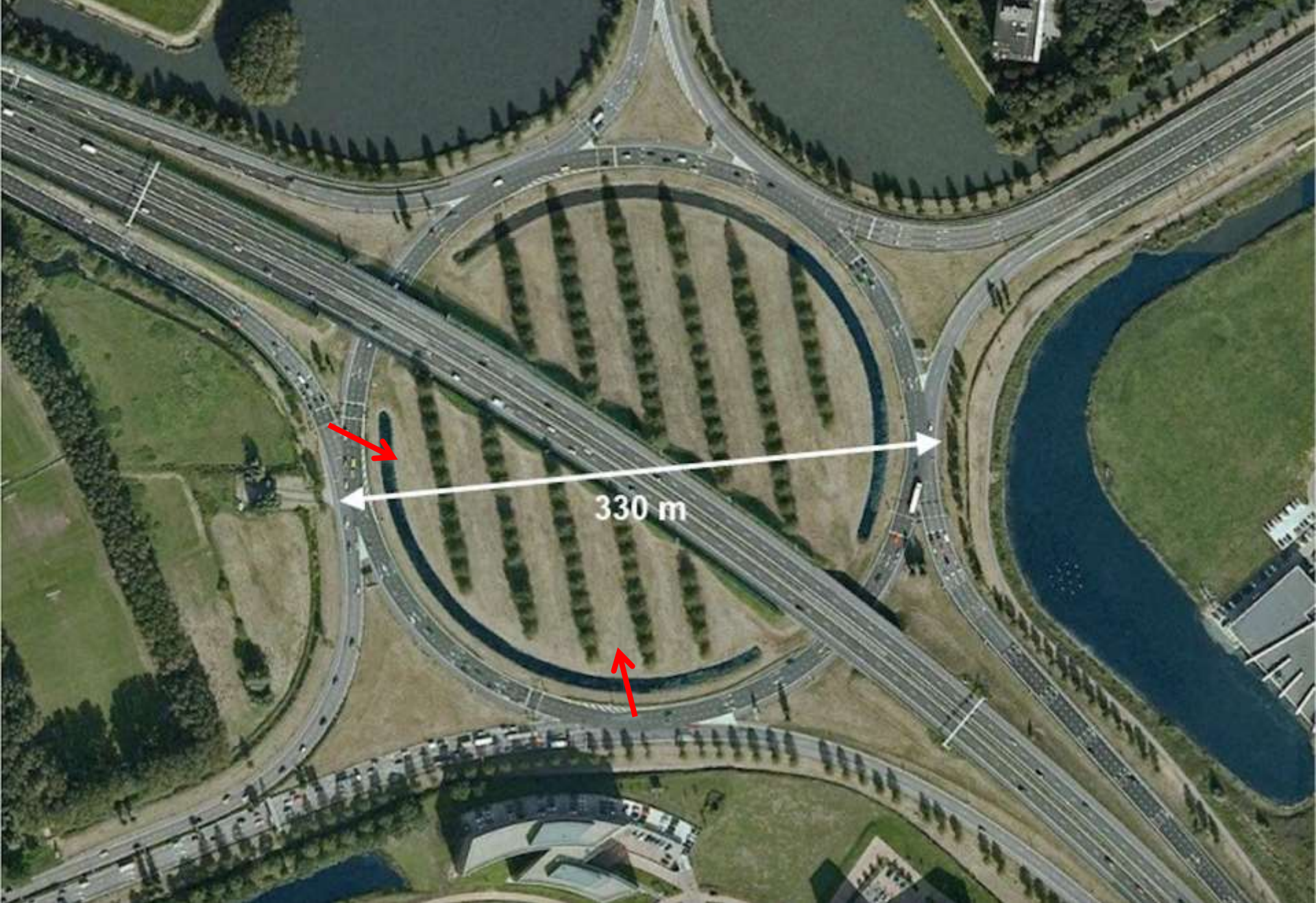


Deil, A2/A15



Velperbroek, Arnhem, A12/A348/N325





Velperbroek, Arnhem, A12/A348/N325







# Infrastructure Planting:

More than trees along the road, providing comfort to the traveller, also

- An aid to help structuring the landscape
- A means to hide and expose
- Providing aesthetic quality in its own right
- Guide and influence traffic, and
- Even contributing to the nations water defense