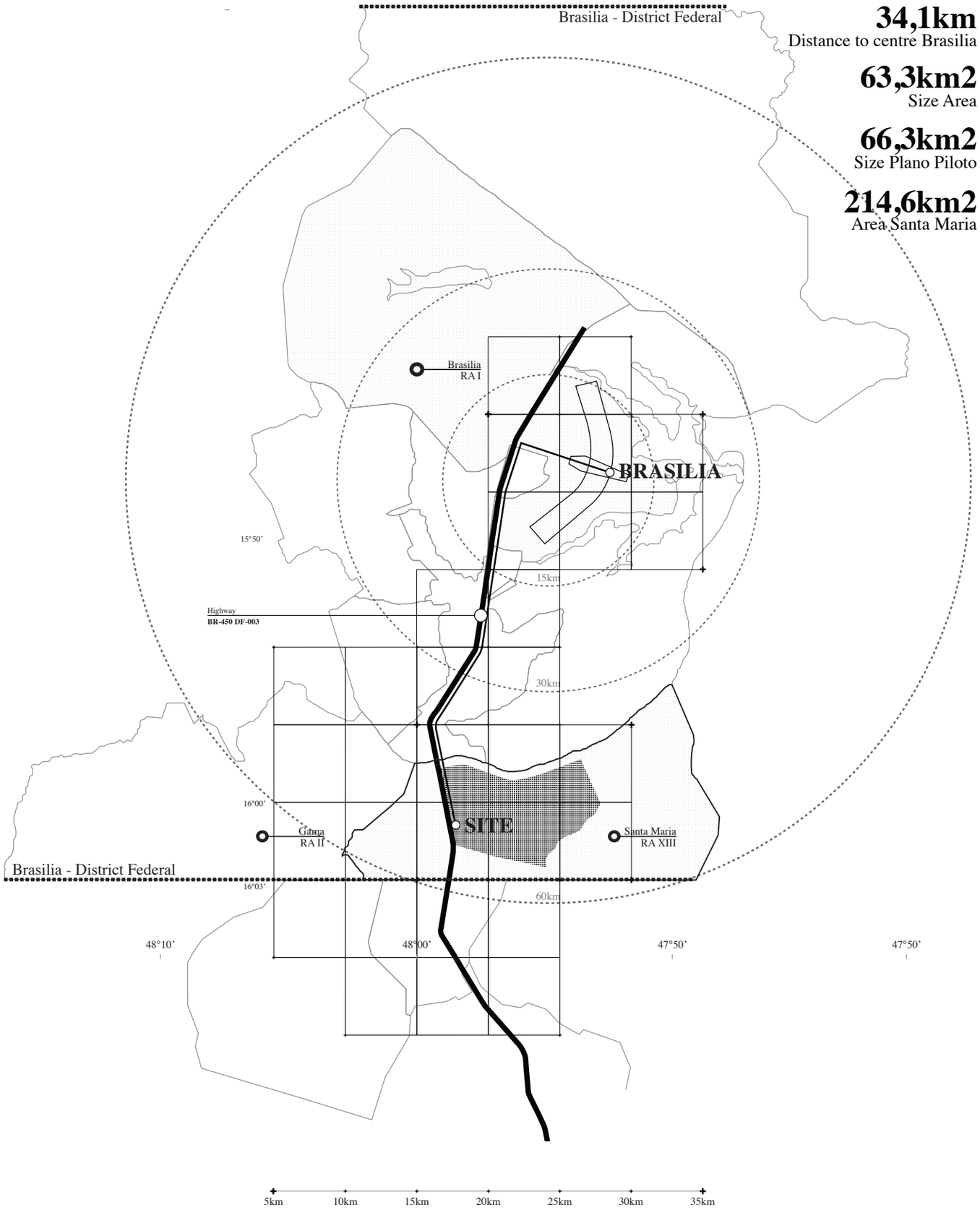
Location

Diagram highlightening the relation and distance of the site to the capital of Brasilia
and its areal size compared to the actual dimensions of the district of Santa Maria.

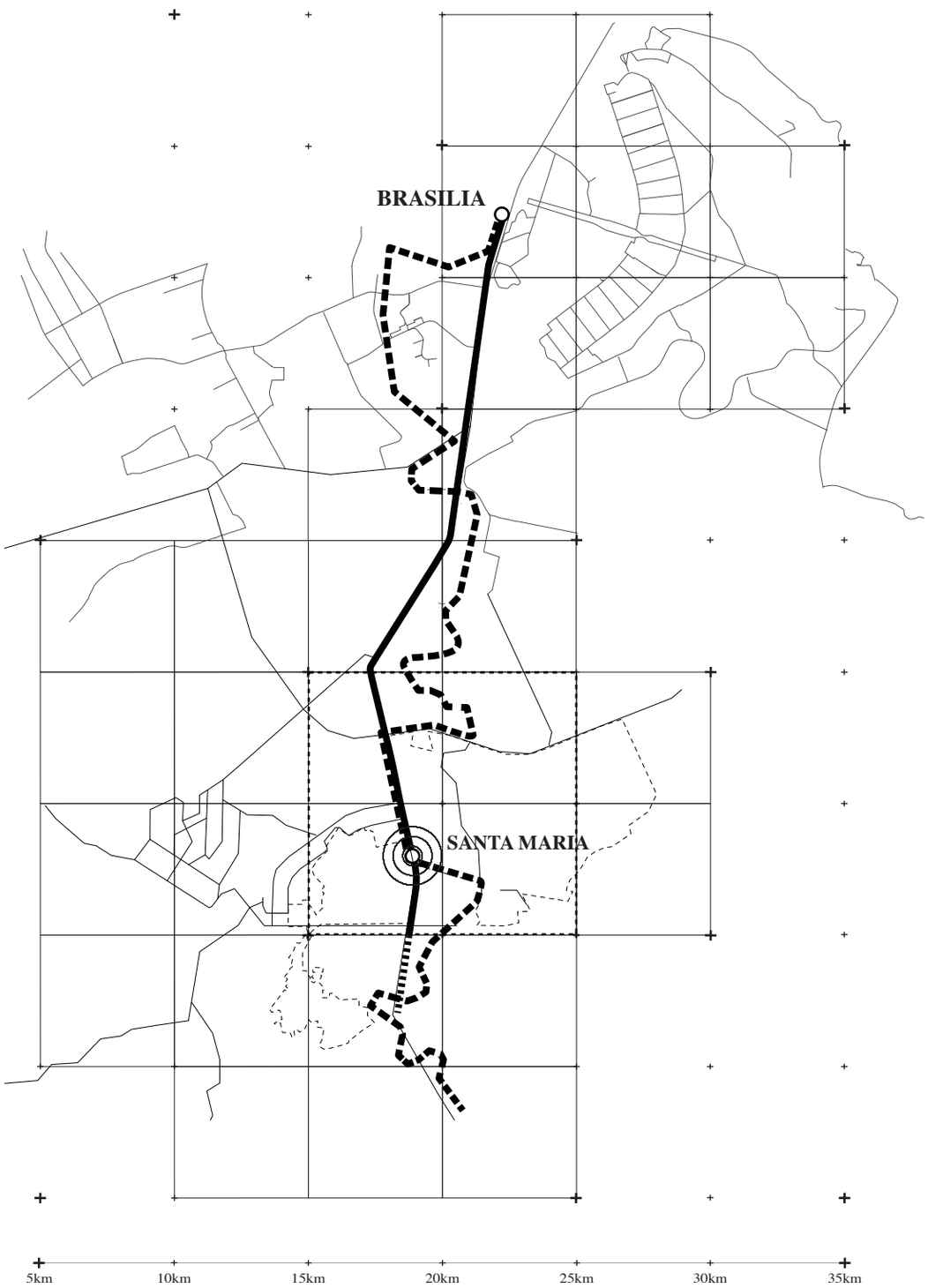


Public Transportation

Diagram showing the interventions to the main connections to Brasilia and the surrounding satellites
Forcing and extending the public transportation system by using or adapting the existing infrastructure.

Rapid mass transportation line

Slower transportation line



Rapid Bus Transit Connection

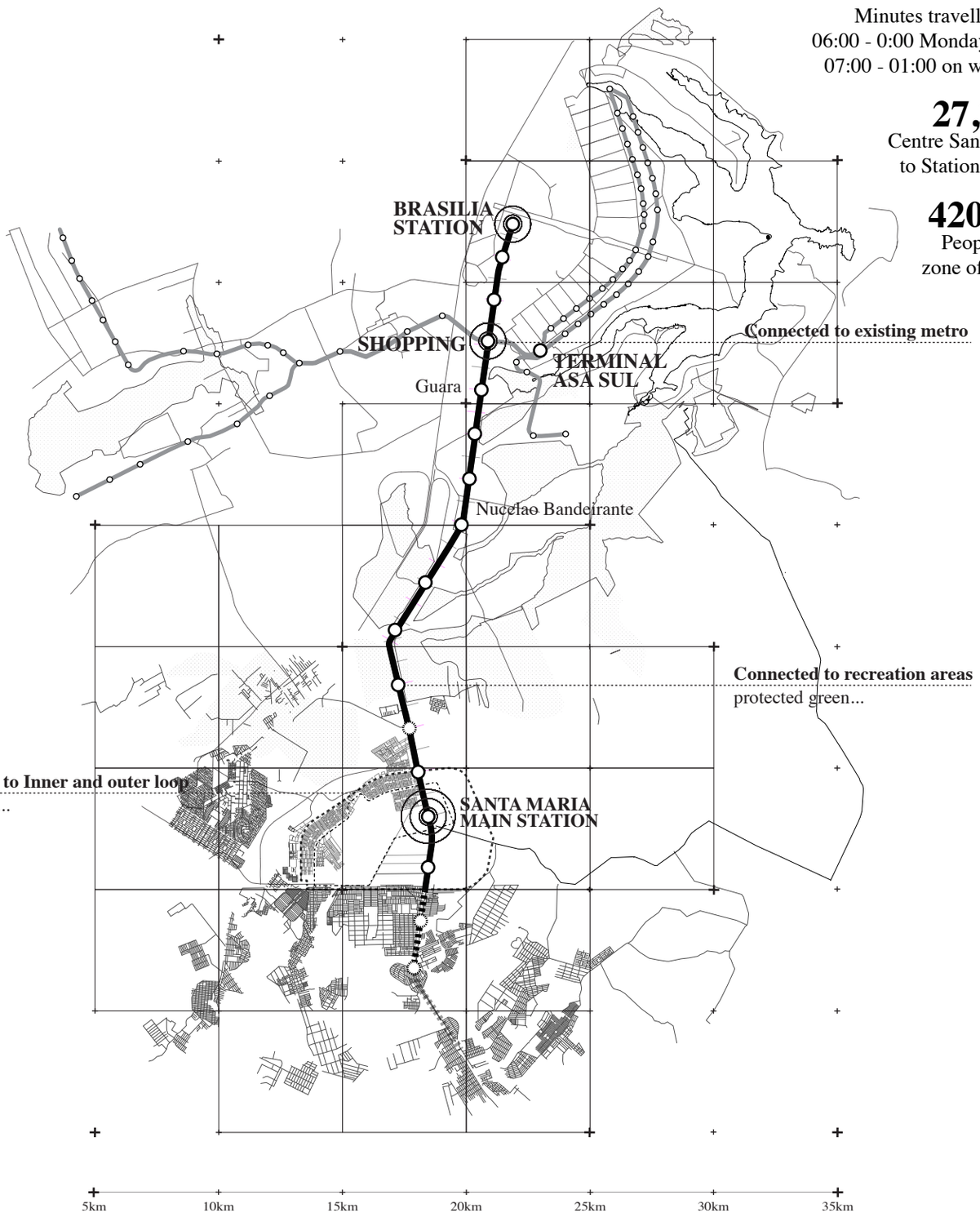
Diagram emphasizing public transportation by introducing a new mass transportation system (metroline, busline,...)
Using or adapting the infrastructure of the existing street

15
Stops to Brasilia

20
Minutes travelling time
06:00 - 0:00 Monday-Friday
07:00 - 01:00 on weekends

27,3km
Centre Santa Maria
to Station Brasilia

420.000
People in the
zone of interest



Connected to existing metro

Connected to recreation areas
protected green...

Connected to Inner and outer loop
Bus, Tram,...

Train Connections

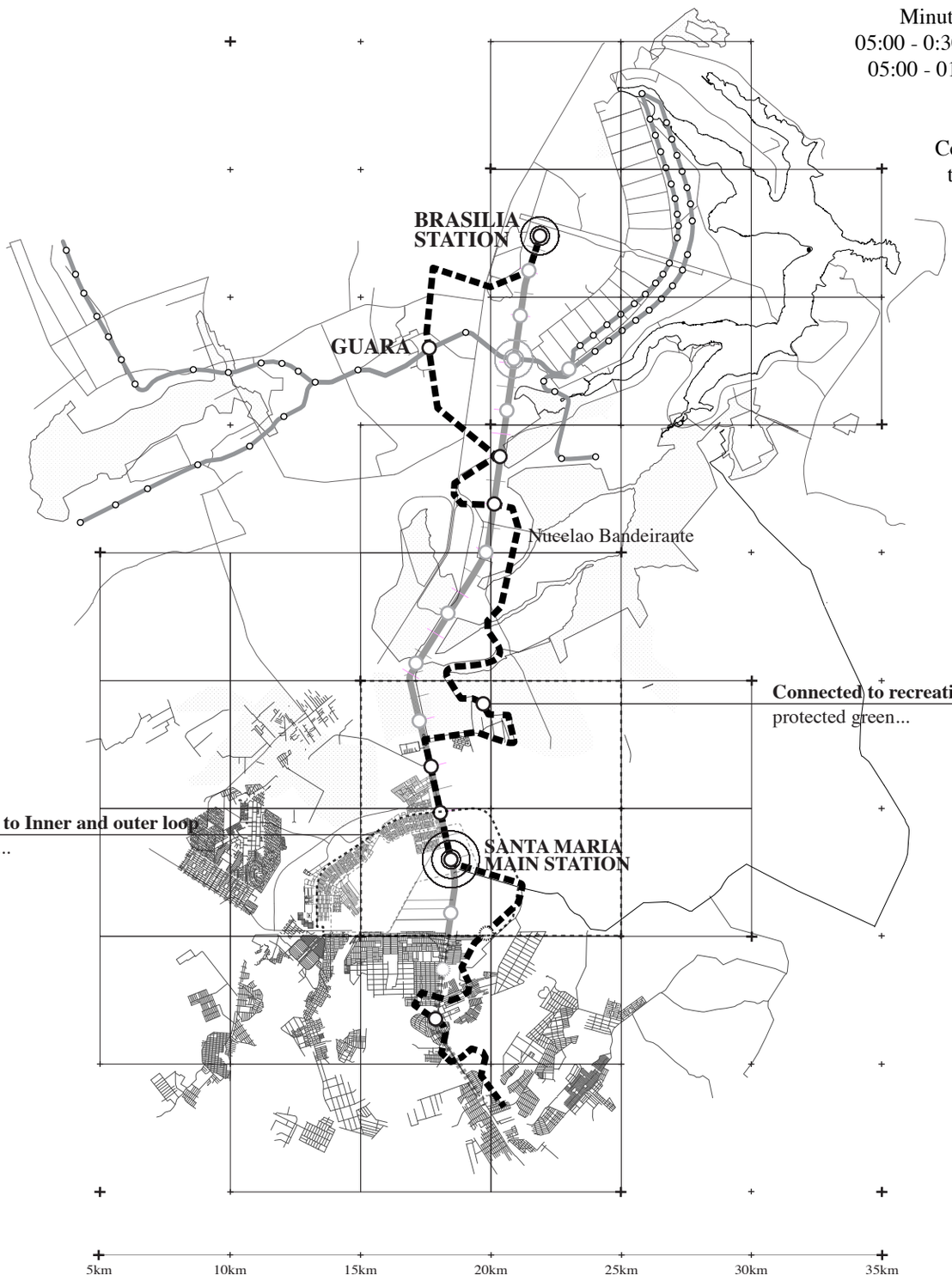
Diagram emphasizing public transportation by strengthen the existing trainline
Distorting the infrastructure of the existing railtrack in the area of Santa Maria
to become a more central element

8
Stops to Brasilia

35-40
Minutes travelling time
05:00 - 0:30 Monday-Friday
05:00 - 01:30 on weekends

49,4km
Centre Santa Maria
to Station Brasilia

420.000
People in the
zone of interest



Connected to recreation areas
protected green...

Connected to Inner and outer loop
Bus, Tram,...

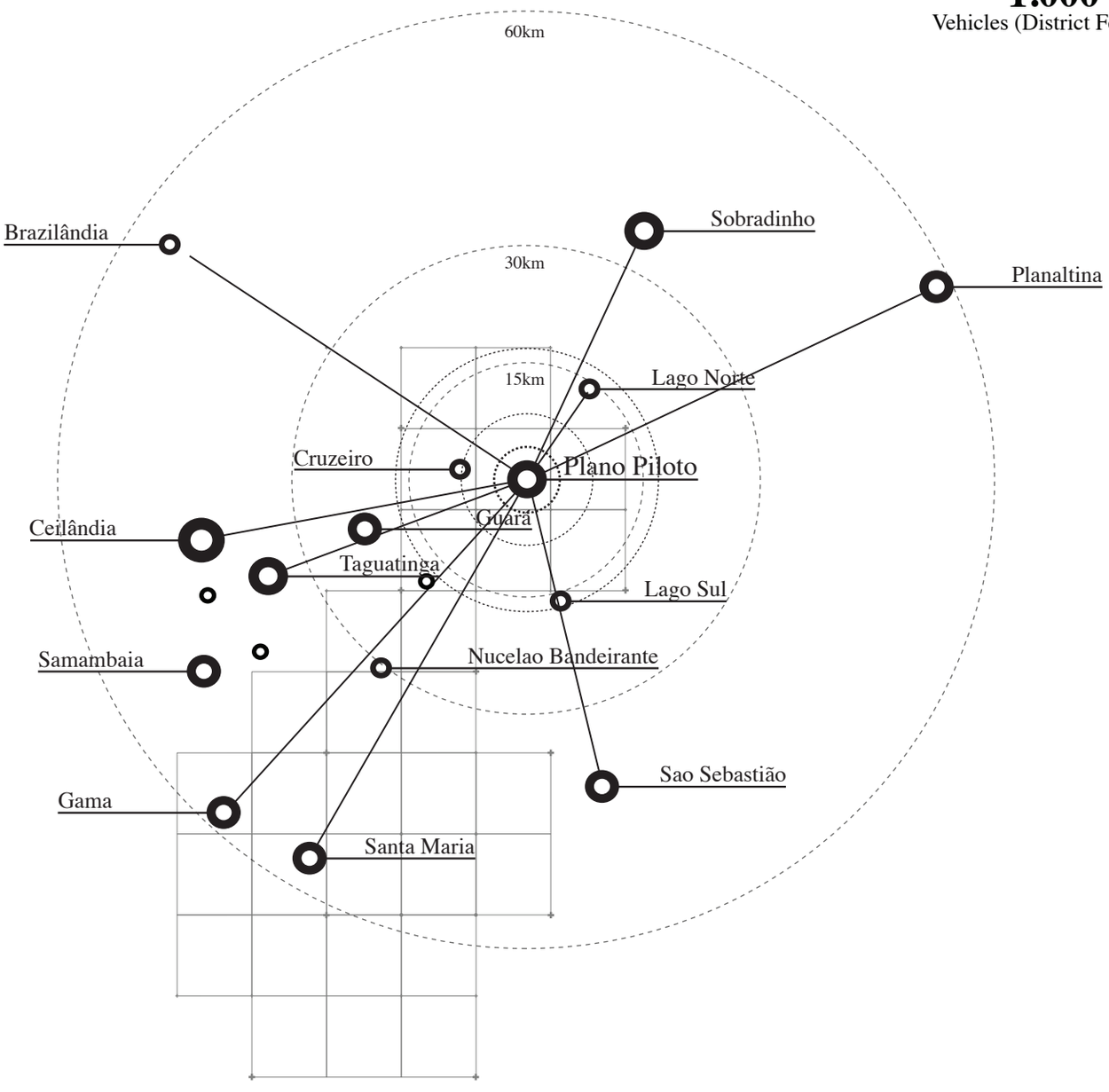
Surrounding Satellites

Diagram of the distances of the existing satellite cities to the capital Brasilia and to Santa Maria

92%
Population of the Federal District
covered by satellites cities

24,3km
Average distance/capita to centre

1.000 000
Vehicles (District Federal)



50.000 Inhabitants

100.000 Inhabitants

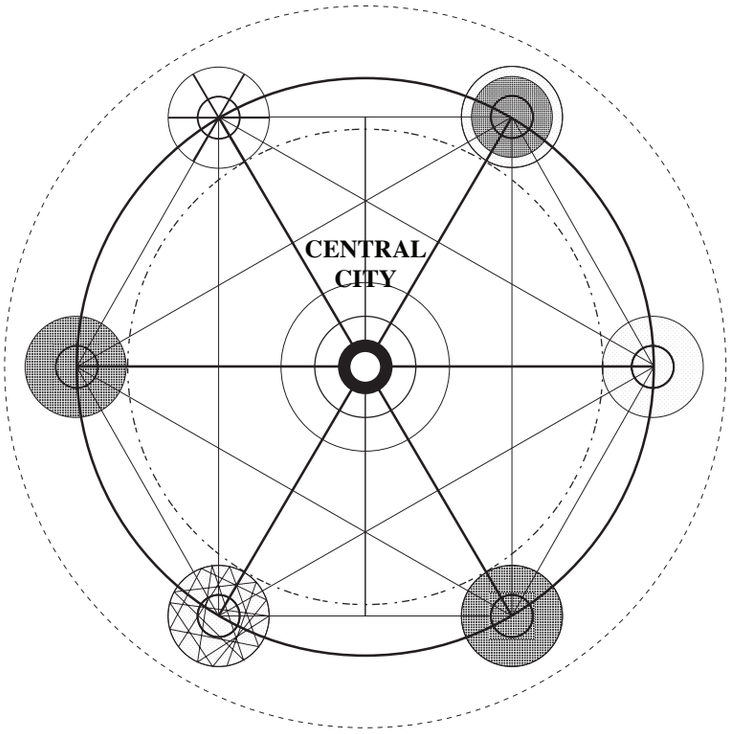
200.000 Inhabitants

400.000 Inhabitants

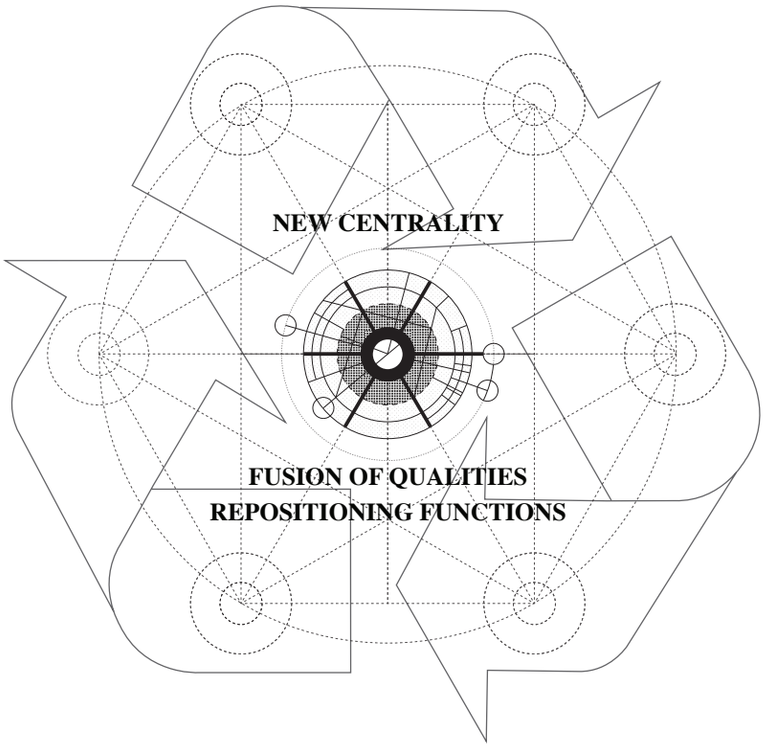
Transformation

Based on the ideal sytem of Ebenezer Howards' the garden city
we extract the different qualities of the single satellite cities and
combine them in a new 'all inclusive model' for the setup of the new city.

Old model

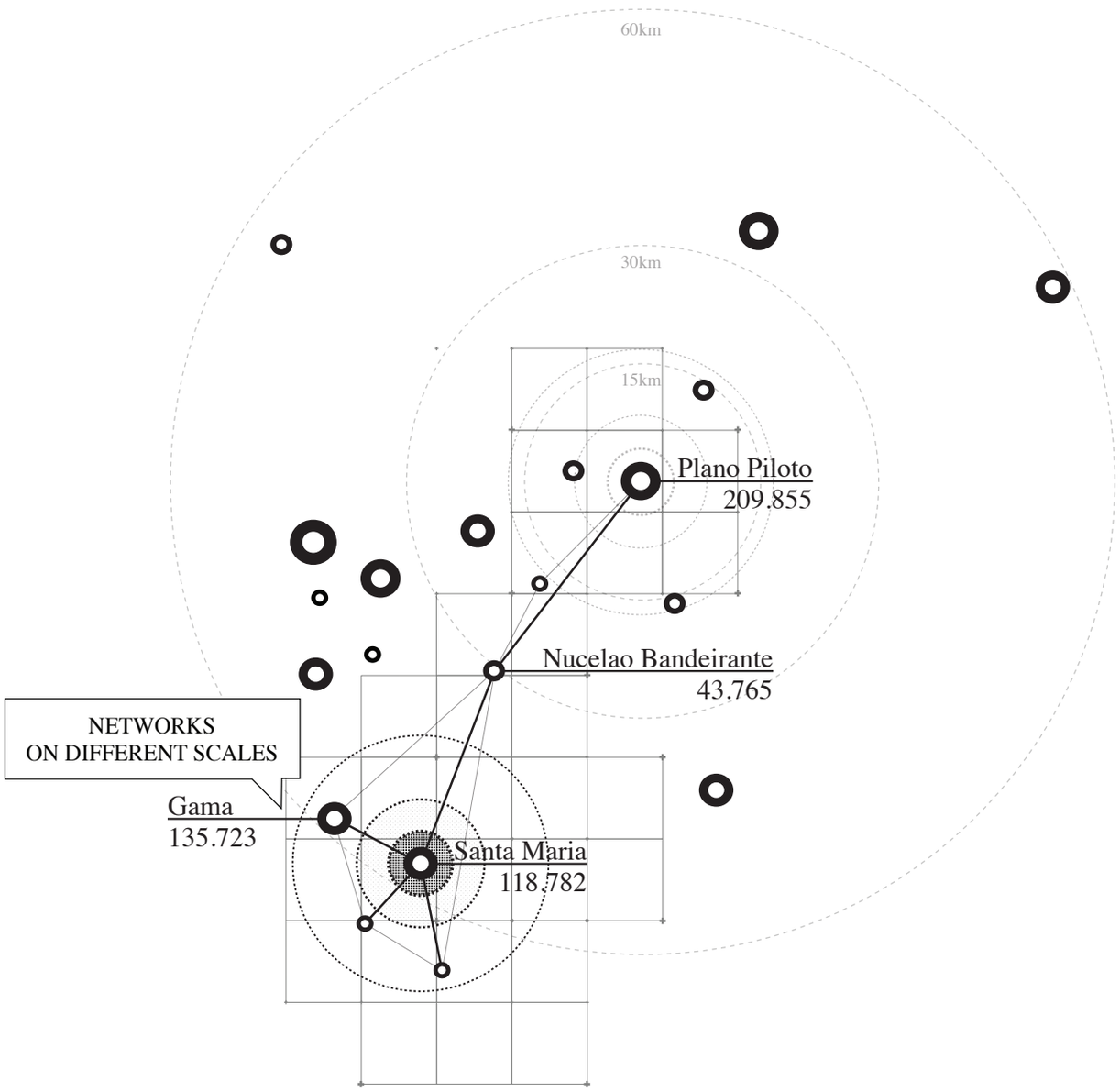


New model



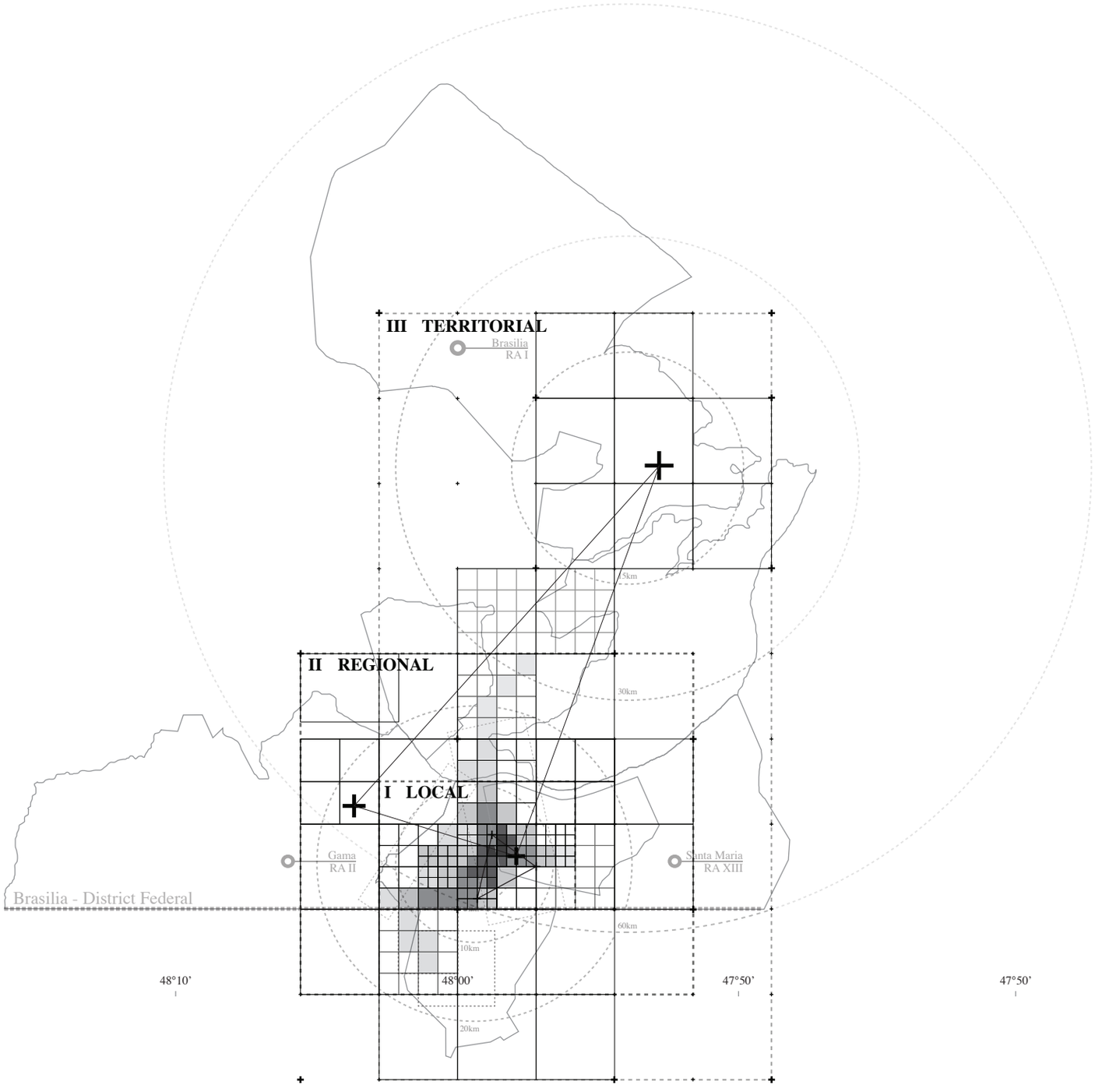
Point of interest

The idea to form and create a new focus and centrality in Santa Maria.
Establishing new networks on different scales to open up possibilities for a richer urban life, for a new mix of different programmes and a more complex urbanity.



Operating scales

According to our analysis we are defining three scales to work on
the Territorial, the Regional, the Local



Topics of intervention

Diagram of the ideal setup for Santa Maria and the seperated layers of intervention.

CENTRALITY IS
ABOUT HIERACHY

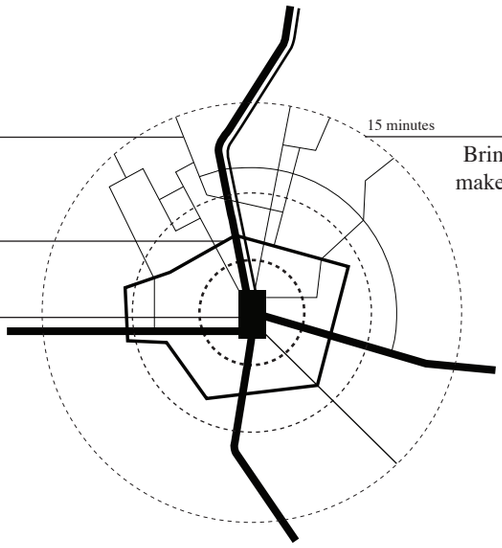
1

High density subnetwork (Small Bus,...)
using and expanding existing road system

Loops (Bus, Light Tram,...)
public transportation system - municipality

Transportation Hub
public mass transportation - federal
centered

Primary Connections
Secondary Connections



Proximity
Bring the periphery to the center and
make it not feel like being at the edge

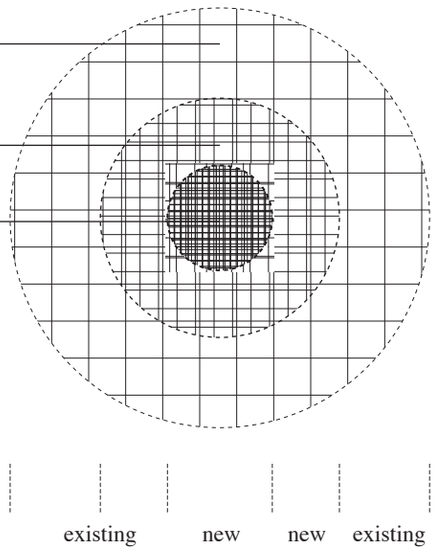
MOBILITY

2

Green Ring (rural, native)
establishing, protecting existing zones

Satellite Ring (low height density)
connecting, expanding, upgrading existing

Center Ring (highly urbanized)
New urban activity - more dense grid
increase number of junctions



LANDSCAPE / ZONING

3

FUNCTIONS

Nature and environment

protected landscape, micro farming, residential, energy

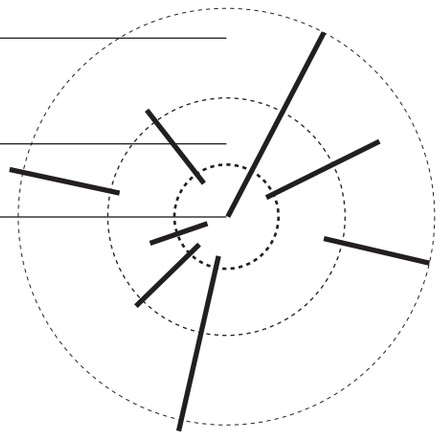
Residential and industrial zone

housing, recreation, small scale business

Mixed used program

public facilities (education, culture), commerce, residential

Urban activity - more dense grid increase number of junctions



4

SUSTAINABILITY

Productive Ring

Watermanagement (hydroponics, wetland) biomass, wind, micro farm

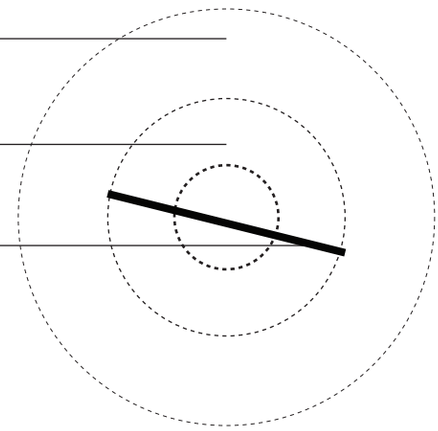
Recreation Ring

Network of open spaces - from parks to native landscapes

Eco Boulevard

Local effect - reduce urban heat, filtration pollution, increase biodiversity, economic level, of land value

Regional effect - social, economic magnets with high density



Location

Diagram highlightening the immediate surrounding of the site
and its location within the district of Santa Maria.