



## **POLITECNICO DI MILANO SCHOOL OF ARCHITECTURE AND SOCIETY**

Campus of Piacenza  
Master Degree of Architecture

### **New York**

New **Sustainable** Water front Corridor  
A new Green node inside the city's green  
network

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2012-2013

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## history

New York: the grid in 1811.

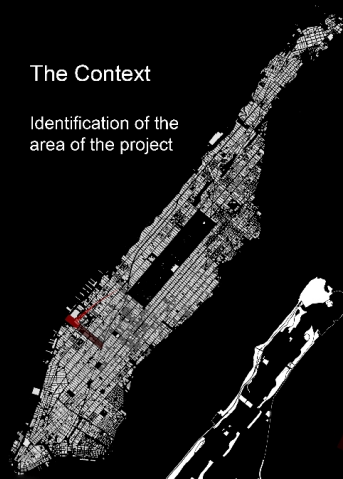
After the constitution of the Street Commission and the reliance of the preparation of the map of Manhattan to a young surveyor John Randel Jr., was released in 1811 the master plan of the city. It provided for the division of the island of Manhattan in the areas of property according to an orthogonal grid oriented to optimize fully the available land. The grid was composed of twelve avenues (vertical) and 100 feet wide by one hundred fifty-five streets (horizontal) fifty feet wide, with one exception: Broadway, a street that has its origin in the track of an old Indian trail that runs along its entire length of the island and was originally called Bloomingdale Road.

Between 14th street and 34th street, and between 3rd and 7th avenue, he would have made a bigger cut in the original grid a parade that would host parades and military exercises.

They were also expected to be allocated seventy acres for public use, which were reduced, including modifications and abuses, forty-seven in 1850. The grid is not always uniform when he meets Broadway generate critical points, which, given the irregularity of the lot, are used as public spaces: squares, parks, in addition, to increase the number of lots in the parts where the price of land was greater, the grid became more tight, as in the port area to the south-west of Manhattan.

## The Context

Identification of the area of the project



Height of the Built spaces

Green space system

Theater places

The expansion of the coast line



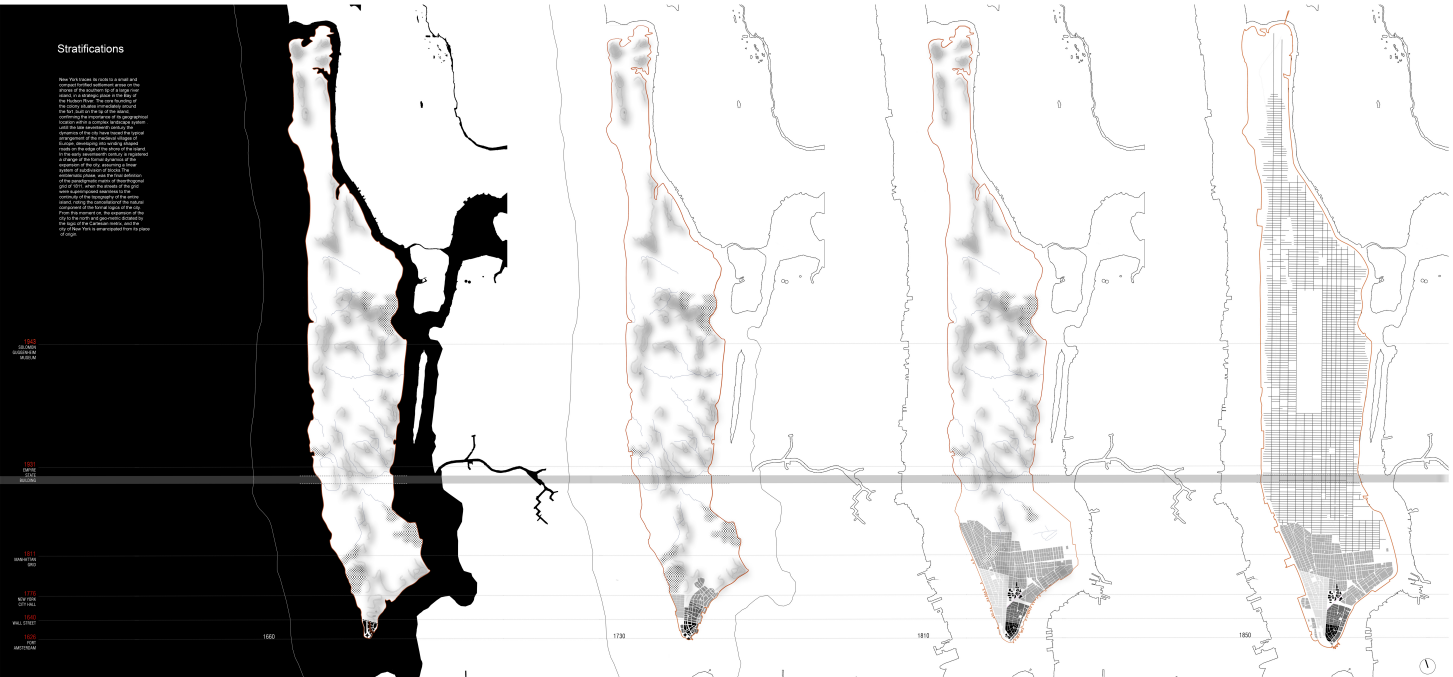
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New York

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### Stratifications

New York Island has evolved in a small and intense urban concentration, producing a pattern of land use that is the result of a long and complex history. The urban fabric of the island is the result of a long and complex history of land use, which has been shaped by a series of events and decisions. The urban fabric of the island is the result of a long and complex history of land use, which has been shaped by a series of events and decisions. The urban fabric of the island is the result of a long and complex history of land use, which has been shaped by a series of events and decisions.



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New **Suburban** Water Canal Corridor  
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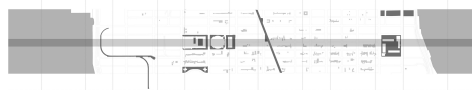
Urban Analysis  
Spatial Categories



Built Spaces



Vacant spaces



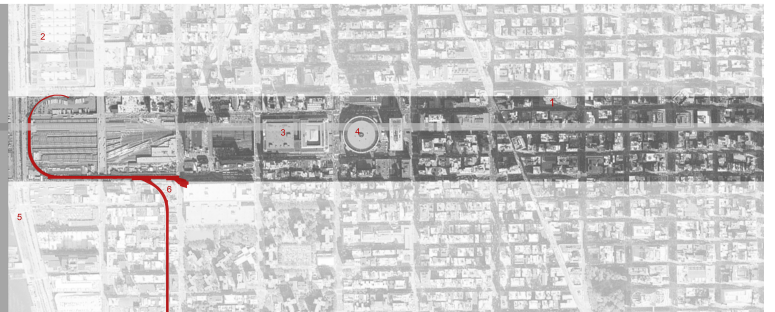
Infrastructural networks



Building Height

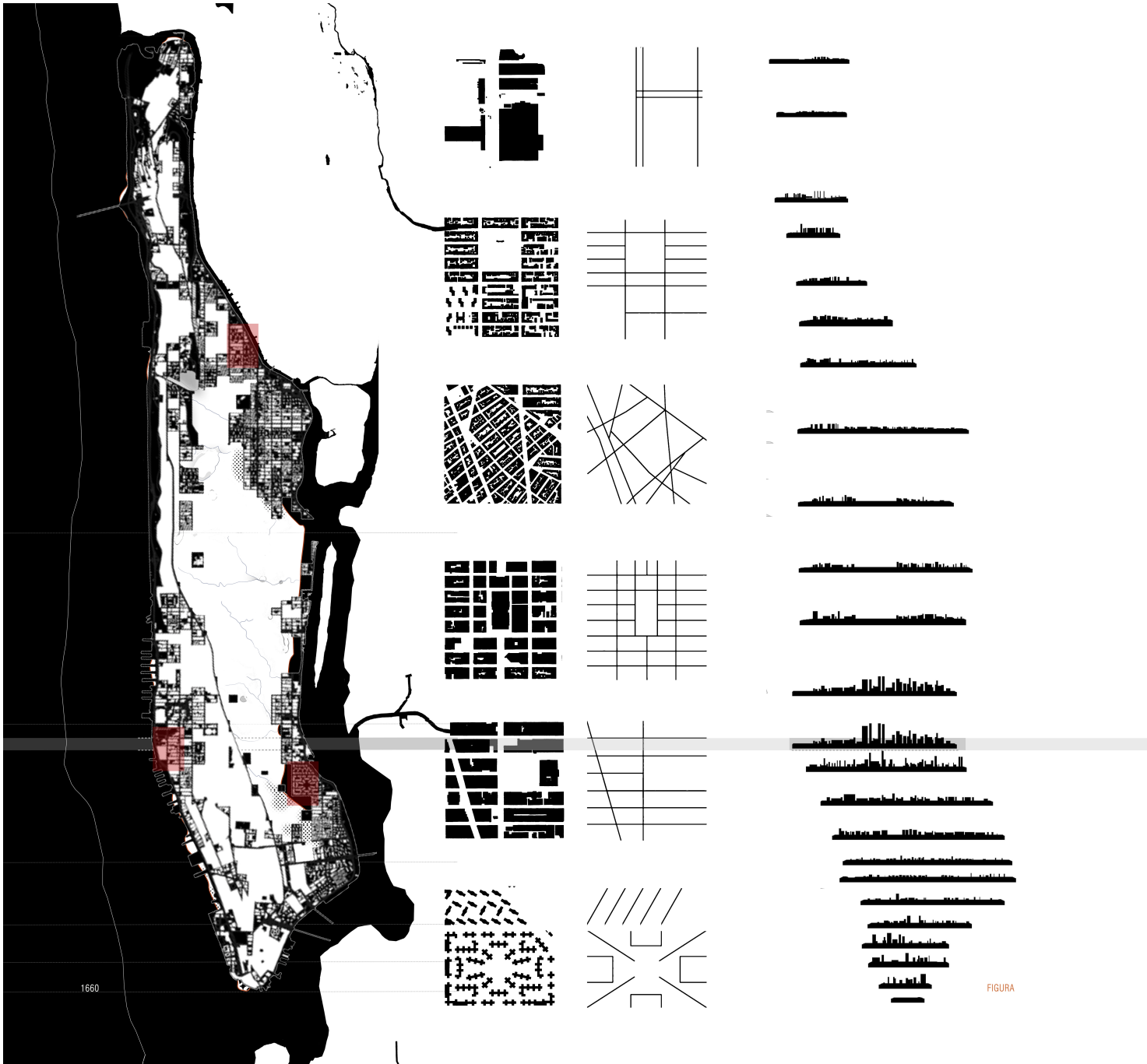


The reading of urban voids differs according to the space quality in which these gaps are inserted: the natural macrovoid Central Park distinguishes the entire central area of the island in which there is the suspension of the multiplication of the vertical built inside the system, but the only exception to the rule appears to be the trace of the Cathedral Broadway, an ancient path that diagonally crosses the lands inside of the original profile of Manhattan. The intersection angle between the approach of Broadway with the structure of the grid set up a new hierarchy between the spatial elements, generating significant events and over measuring systems on a regional scale among them is the Faneuil corridor.



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New **Sotobanok** Water Tunnel Corridor  
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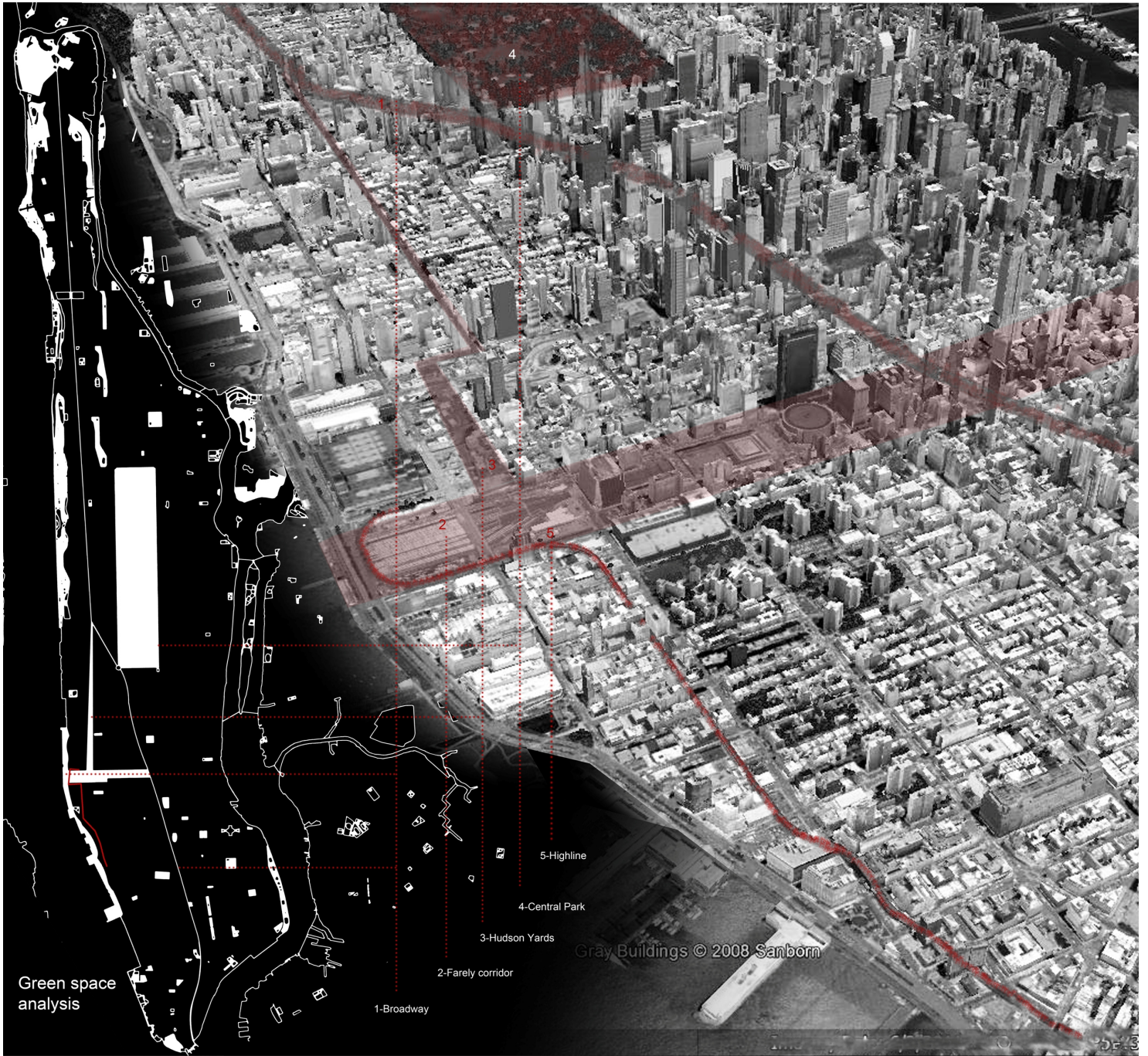
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FIGURA



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Green space analysis



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## The main penetrations inside the Manhattan Grid

