

Villa Torrigiani-Colonna Flora Garden: architectures and water systems restoration

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Subject of the following thesis is the study of the Flora “secret “ Garden, part of a larger mansion and gardens design in the 17th century forming a complex territorial system that is Villa Torrigiani in Camigliano (Lucca) today Colonna. The formation of the closed area, matured from the capsizing of the “chiusa” forms -intended as the largest conception of villa and garden- according to the north-south axis identified from the development of the fish pond, the favourable localization of the building at the time Buonvisi between the two waterways, rio Dezza and rio Gomboraio, the garden adjacent to the first of the two and lower than the surrounding countryside plane for better water supply, the highest composition individuated by the ninfeo of the winds, make this place the reign of the waters: a deep qualification and appropriation process of the countryside in a double control-dependence union between the territory and the settlement.



Flora Garden: view of the staircase.

The advanced state of degradation has made clear the need of a timely and global architectural, hydraulic and vegetational restoration; such for technical and executive reasons more than formal.

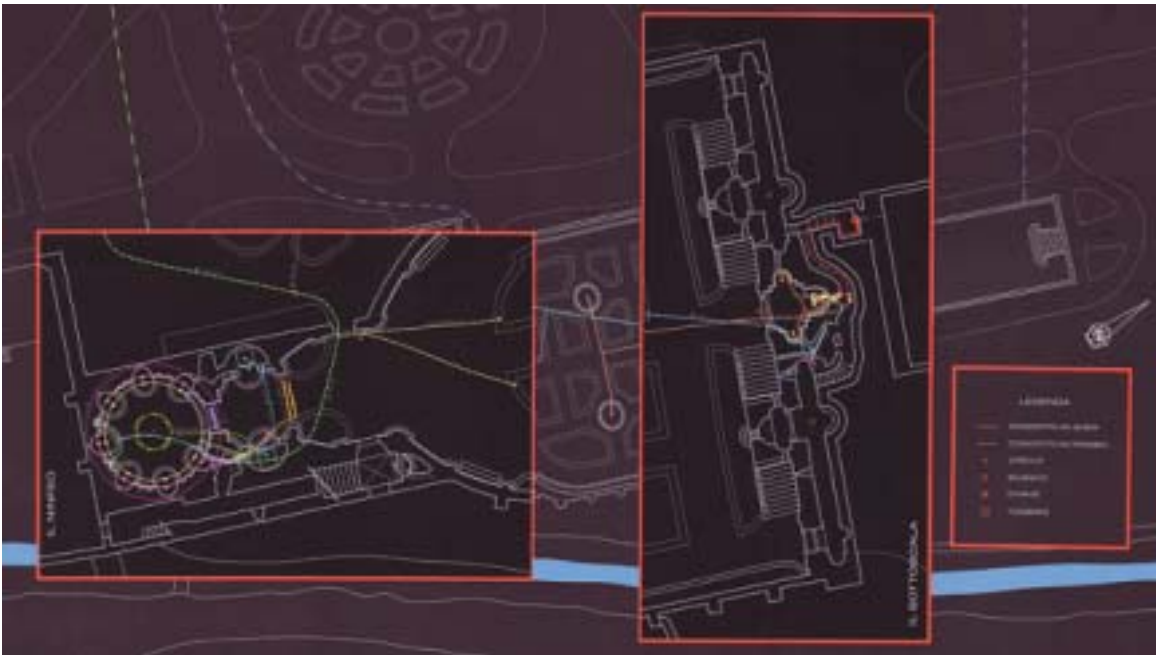
On the basis of the above mentioned the study has therefore taken into consideration the complete knowledge of the garden providing buildings and waterways solutions. The archive researches have given the informations regarding the evolution of the water system underneath the ninfeo water games and the fountains in the largest part of the garden

whilst the instrumental survey helped for the hydraulic study through space, volume and placing of objects. From the analysis on the area emerged that the reason for such deterioration is to be found in the same nature of the place: the water penetration has effected the structure deeply, down even, in the ninfeo, to the staticity.



Cross section of the ground

Considering the close relation between the architecture and water games, the capacity of all the hydraulic parts has had to be surveyed in order to make a correct proposal for a new alimention garden-park system: the project of a mechanical downhill tank is a good alternative in the perspective of the independence of the grotto games instead of the gravity water system now operating.



Waterways: detail of the ninfeo and understairs

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