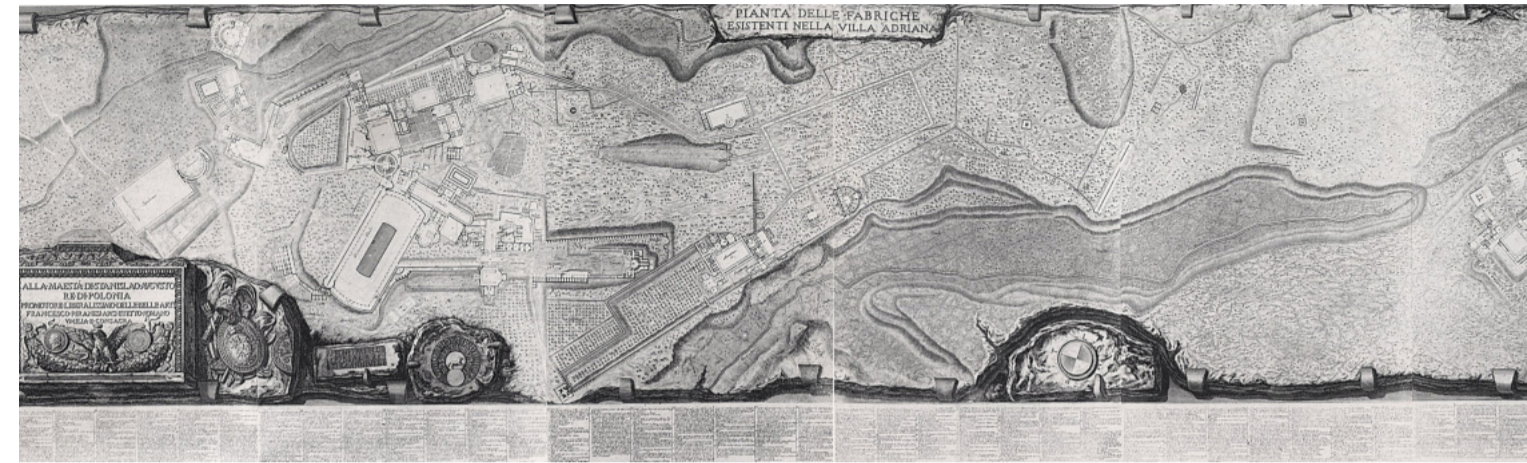


VILLA ADRIANA

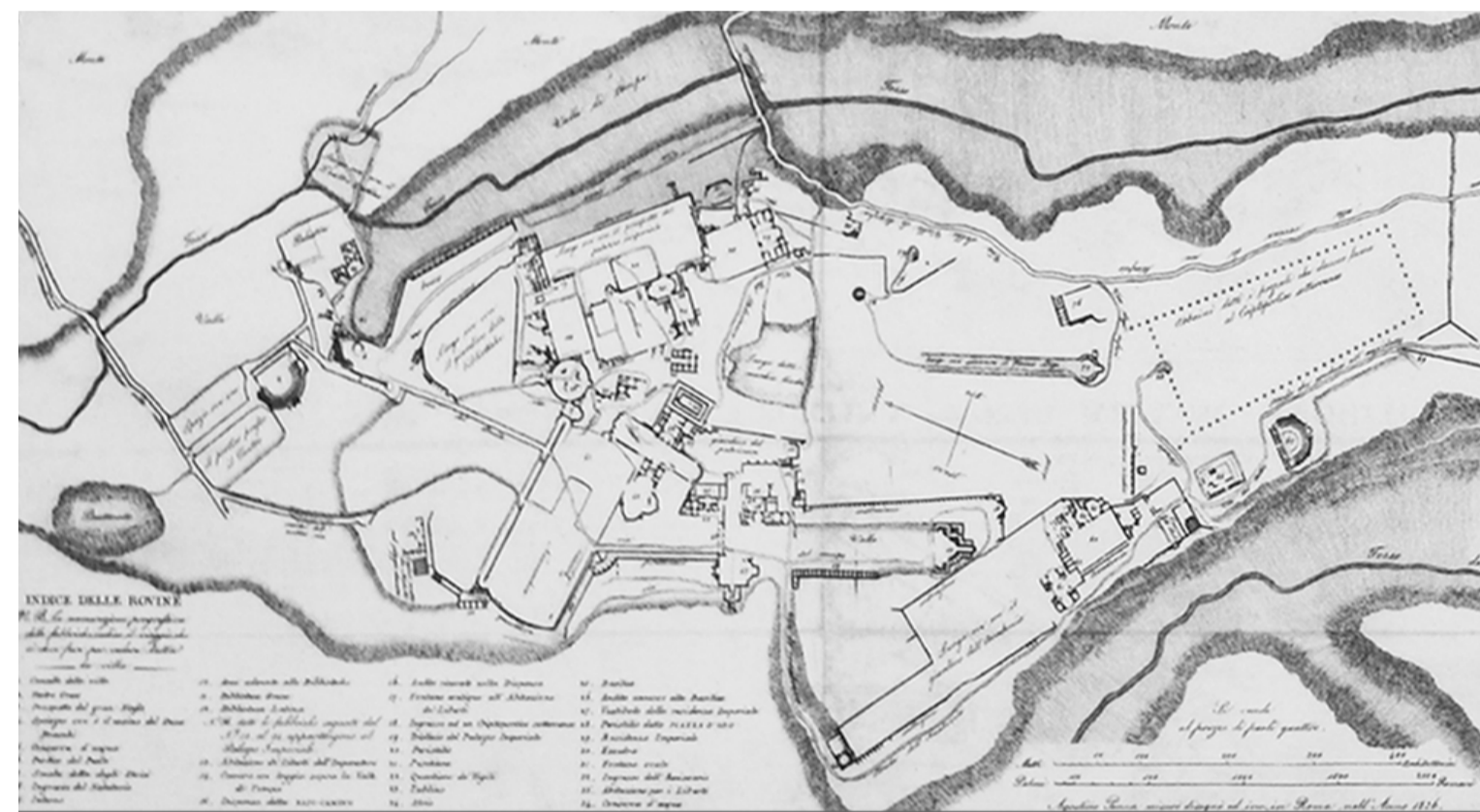
Multi-Center And Radiological Systems



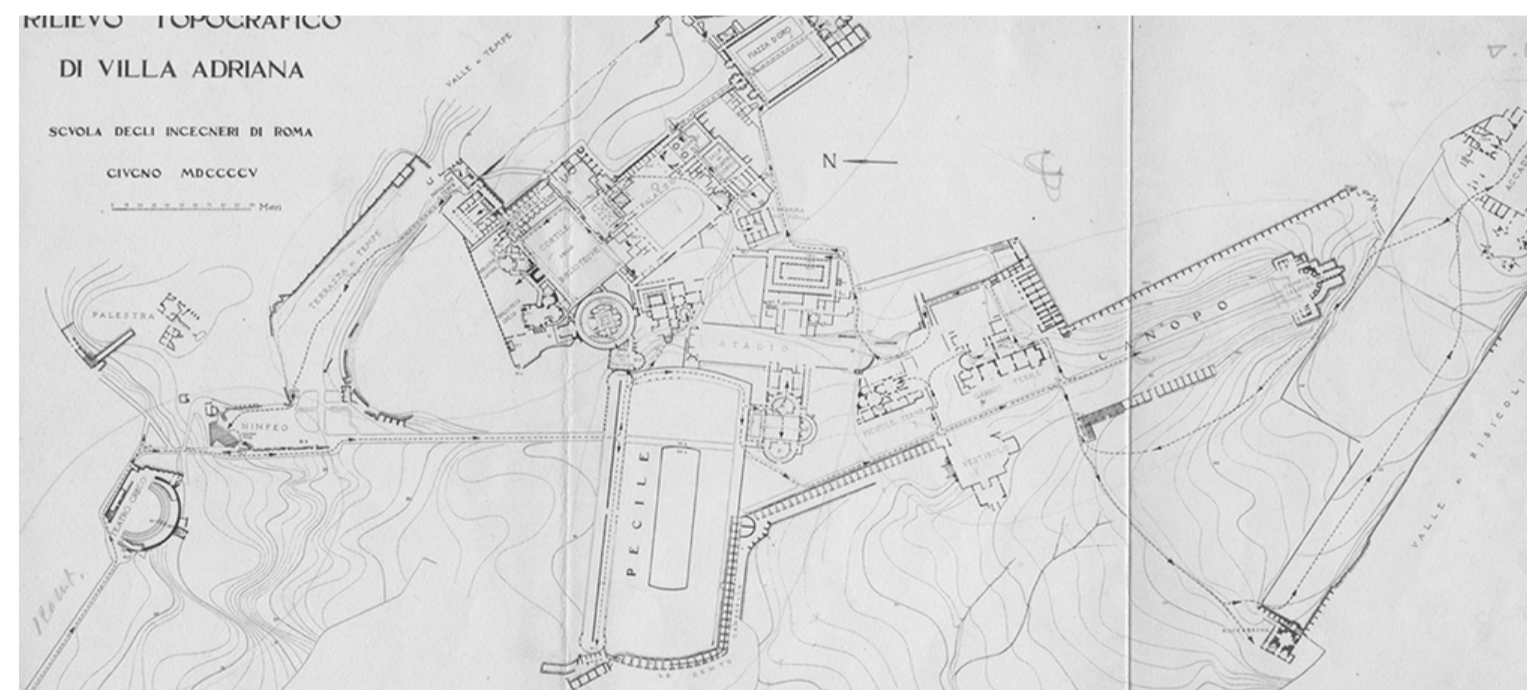
Francesco Contini, "Iconographia Villa Tiburtinae Adriani Caesaris", 1668



Giovanni Battista Piranesi, "Planta Delle Fabbriche Esistenti A Villa Adrian", 1761



Agostino Penna, "Viaggio pittorico della villa Adriana", 1831



Scuola degli ingegneri di Roma, "Rilievo topografico di Villa Adriana", 1905

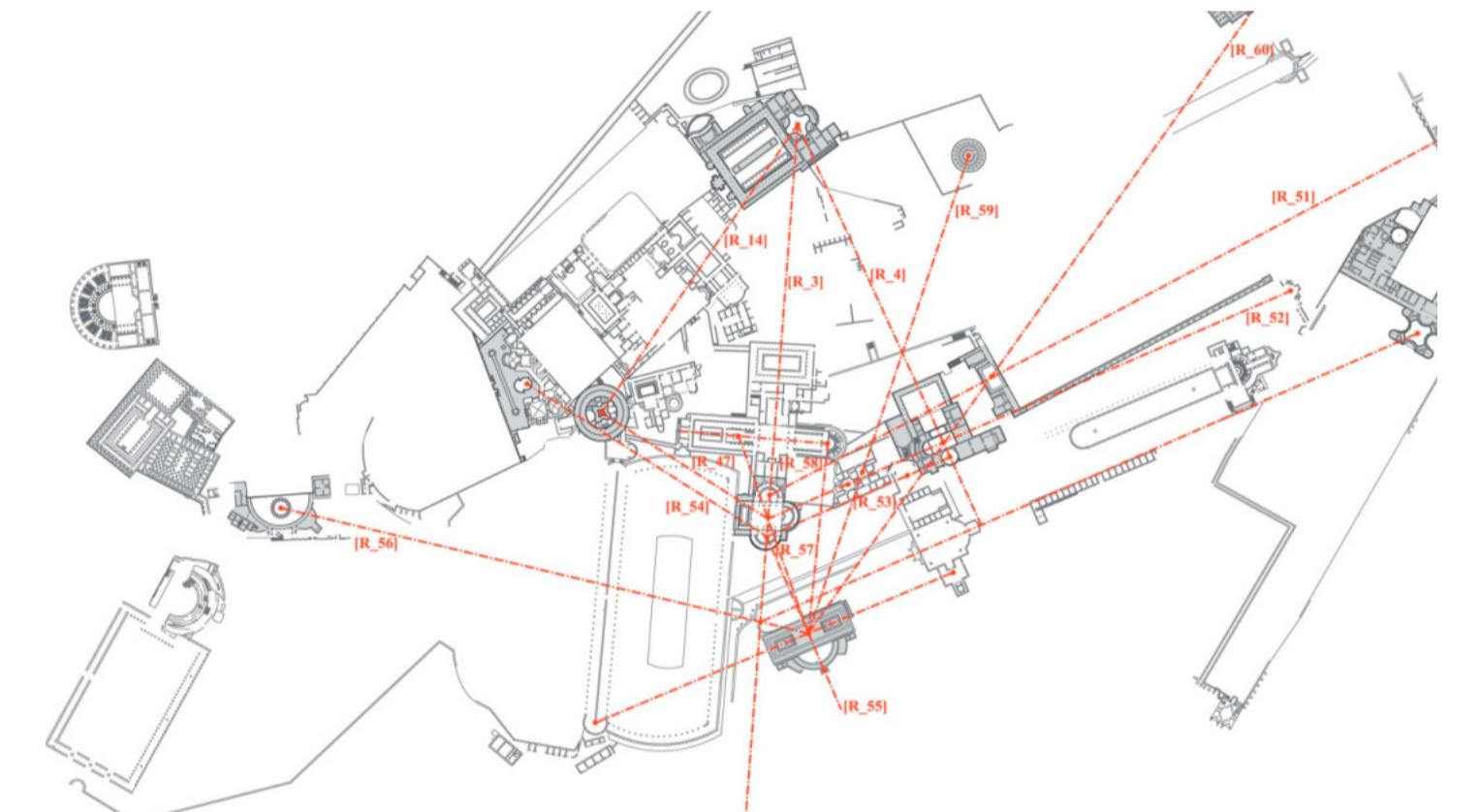
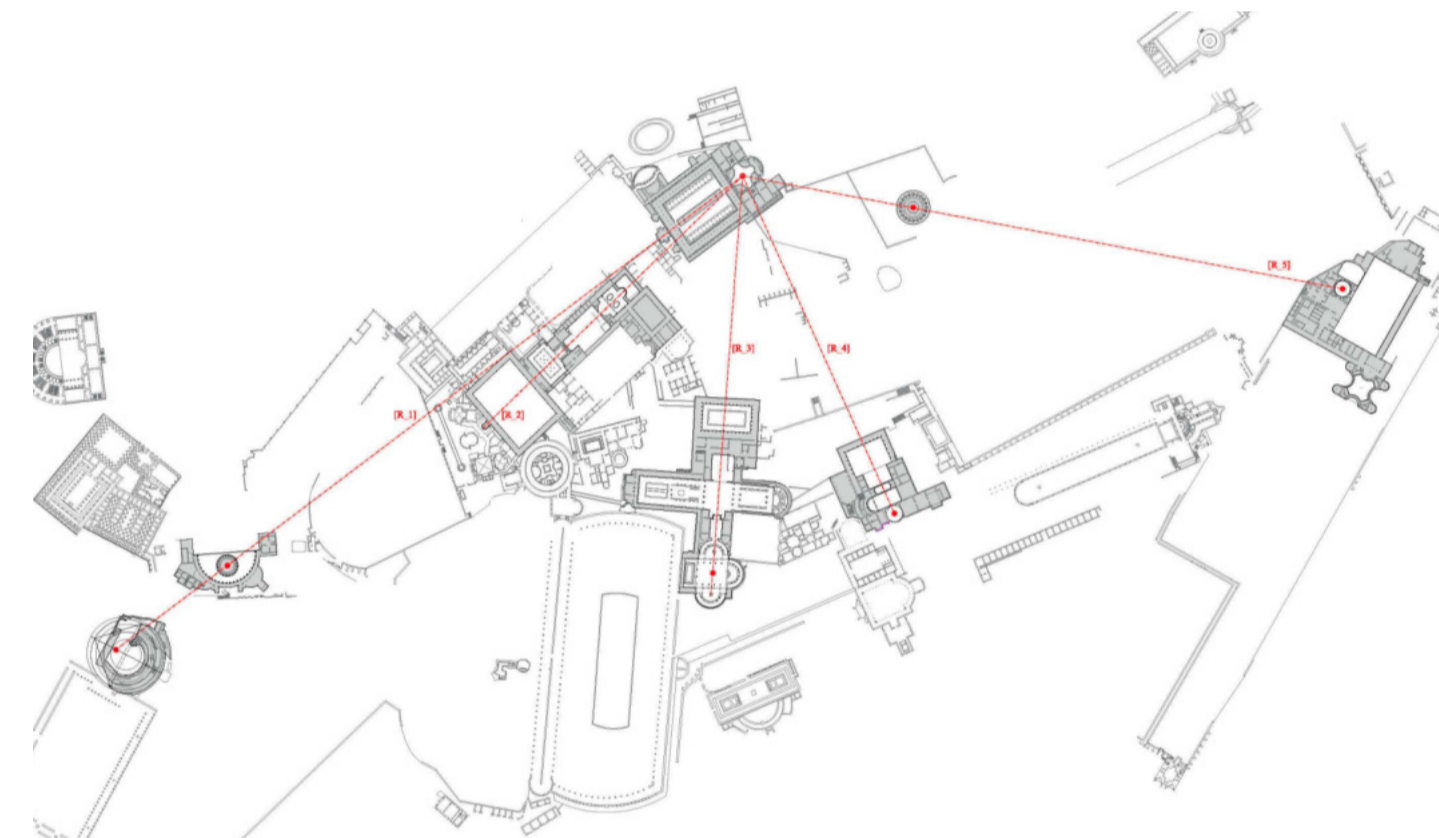
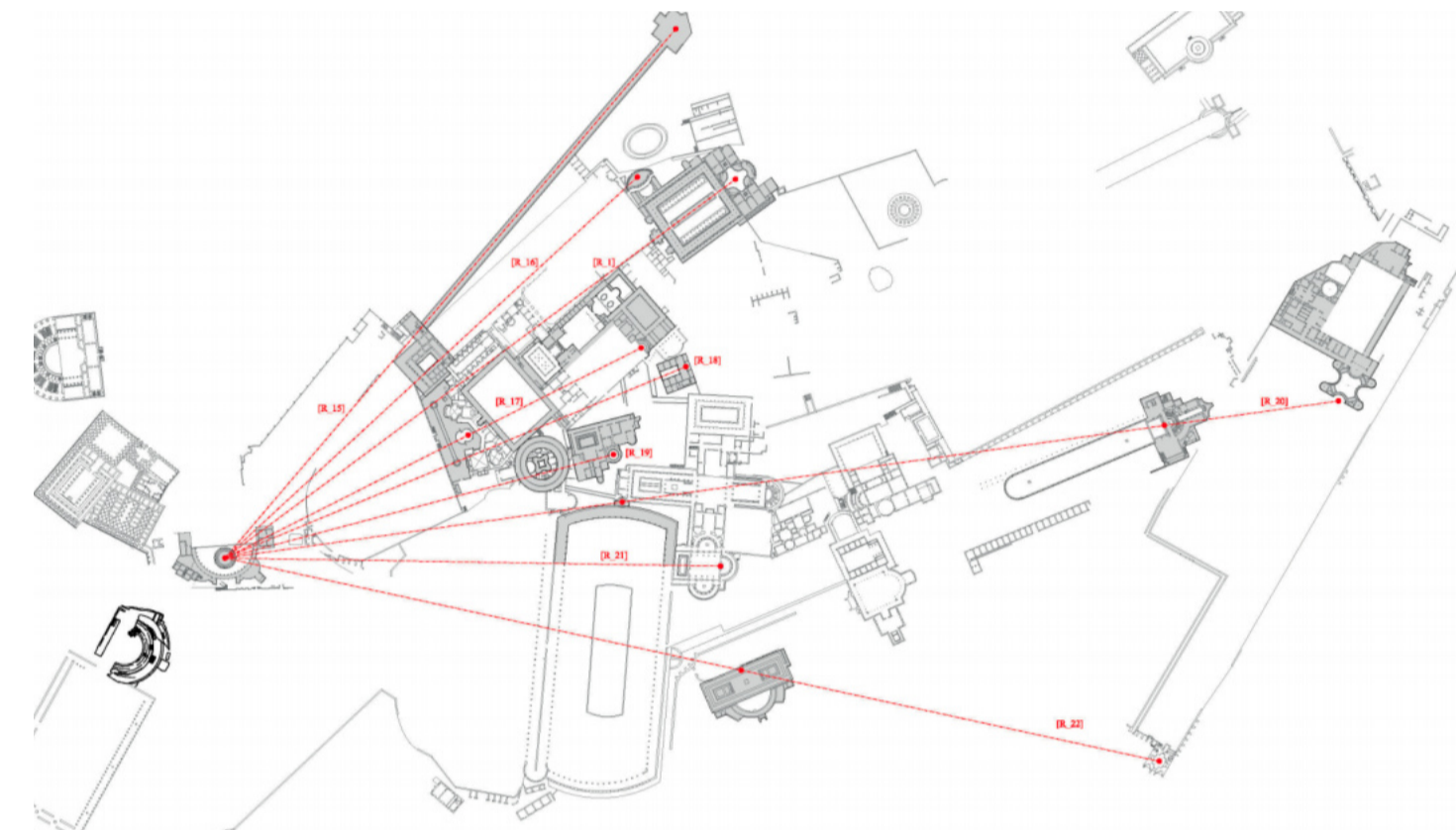


Università degli Studi di Roma, Planimetria di Villa Adriana, 2006

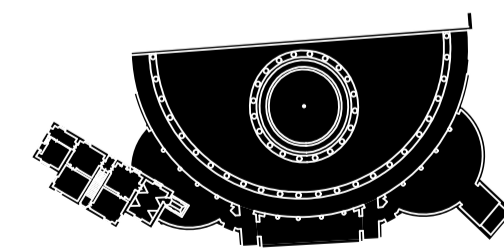
Positioned strategically within Villa Adriana, the Tempio di Venere Cnidia is a temple dedicated to Venus, the Roman goddess of love and beauty. It exemplifies the architectural influence of the Hellenistic period and serves as a focal point for spiritual and cultural activities. The temple's placement within the radiology system ensures its visibility and importance, showcasing the cultural and artistic connections between Rome and the ancient Greek world.

Piazza D'oro serves as a central hub within Villa Adriana, connecting various important structures and pathways. It is an expansive square adorned with elaborate architectural features, including porticoes, colonnades, and intricate decorations. Piazza D'oro acts as a gathering place for social, ceremonial, and public events. It radiates a sense of grandeur and power, reflecting the opulence associated with the Roman Empire.

The Antinoeion holds a significant place in the radiology system of Villa Adriana as a sanctuary dedicated to Antinous, the beloved companion of Emperor Hadrian. This sanctuary commemorates Antinous, who tragically died by drowning in the Nile River. The Antinoeion consists of statues, reliefs, and other artistic representations of Antinous, creating a space for remembrance and devotion. Its inclusion in the radiology system highlights the personal connection and emotional significance that Antinous held for Emperor Hadrian.

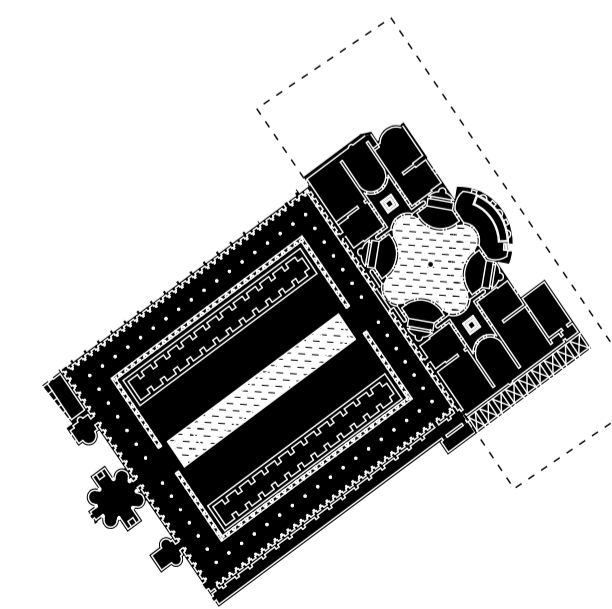


" TEMPLE OF
VENUS "



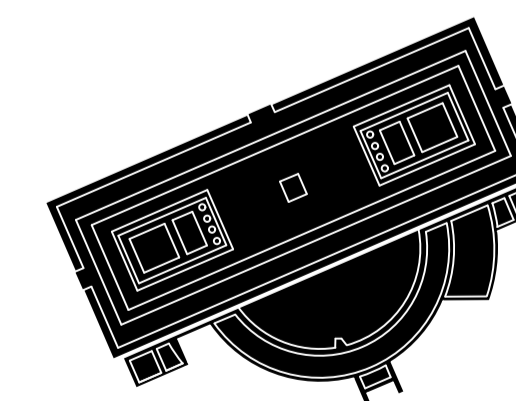
01

" PIAZZA D'ORO "



02

" ANTINOEION "



03

01

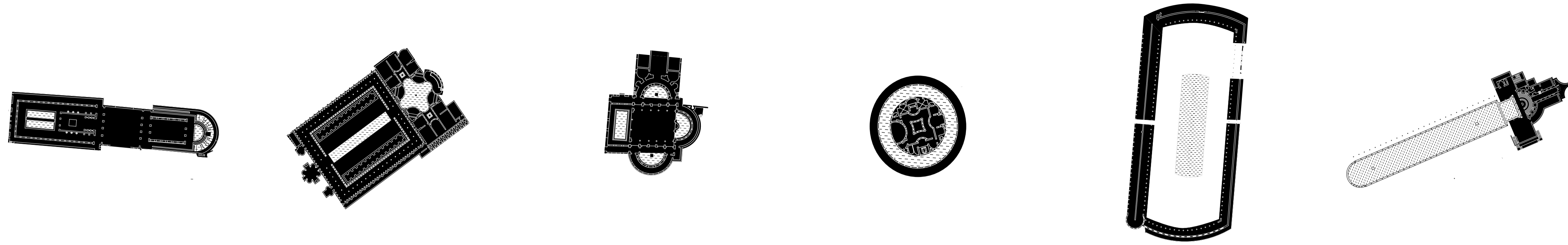
BATH RENAISSANCE AT VILLA ADRIANA

SUPERVISOR - Pier Federico Mauro Calari CO-SUPERVISOR - Valerio Tolve
ASSISTANT - Sara Ghirardini, Stefano Tremolada
STUDENT - Han Gao (961750)



POLITECNICO DI MILANO
School of Urban Architecture and Construction Engineering
Architecture - Built Environment and Interiors

Typology and Location of Water



NINFEO STADIO



PIAZZA D'ORO



TRE ESEDRE



MARITIME THEATER

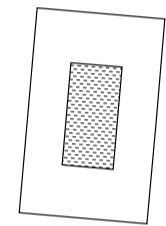


PECILE



CANOPO

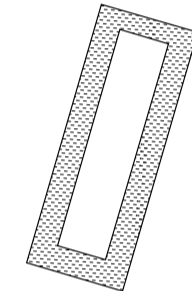
01



Representatives : Ninfeo Stadio ; Piazza D'oro

Features: The first type of water element consists of architectural features that envelop the central pool, forming an intimate and serene water garden. This arrangement creates a tranquil atmosphere, where visitors can immerse themselves in the soothing sounds and visual appeal of the water. The central pool serves as a focal point, drawing attention and inviting contemplation, while the surrounding architecture enhances the sense of enclosure and privacy within the water garden.

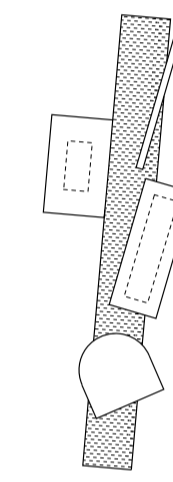
02



Representatives : Tre esedre ; Maritime Theater

Features: The second type of water element is strategically positioned on the periphery and encircles the central building or space. This configuration not only reinforces the significance and prominence of the central area but also establishes a strong centripetal force, directing the flow of movement and attention towards the heart of the complex. The peripheral water features add a sense of grandeur and elegance to the surroundings, enhancing the overall aesthetic appeal and spatial organization.

03



Representatives : Pecile ; Canopo

Features: The last type of water feature within the design is a large-scale element that holds a more open and pivotal role in the overall layout. Its location within the complex is carefully chosen for its prominence and impact. This grand water feature acts as a captivating centerpiece, capturing the gaze of visitors and serving as a defining element within the thermal bath complex. Its size, scale, and position emphasize its importance, creating a sense of awe and delight as people traverse the area.



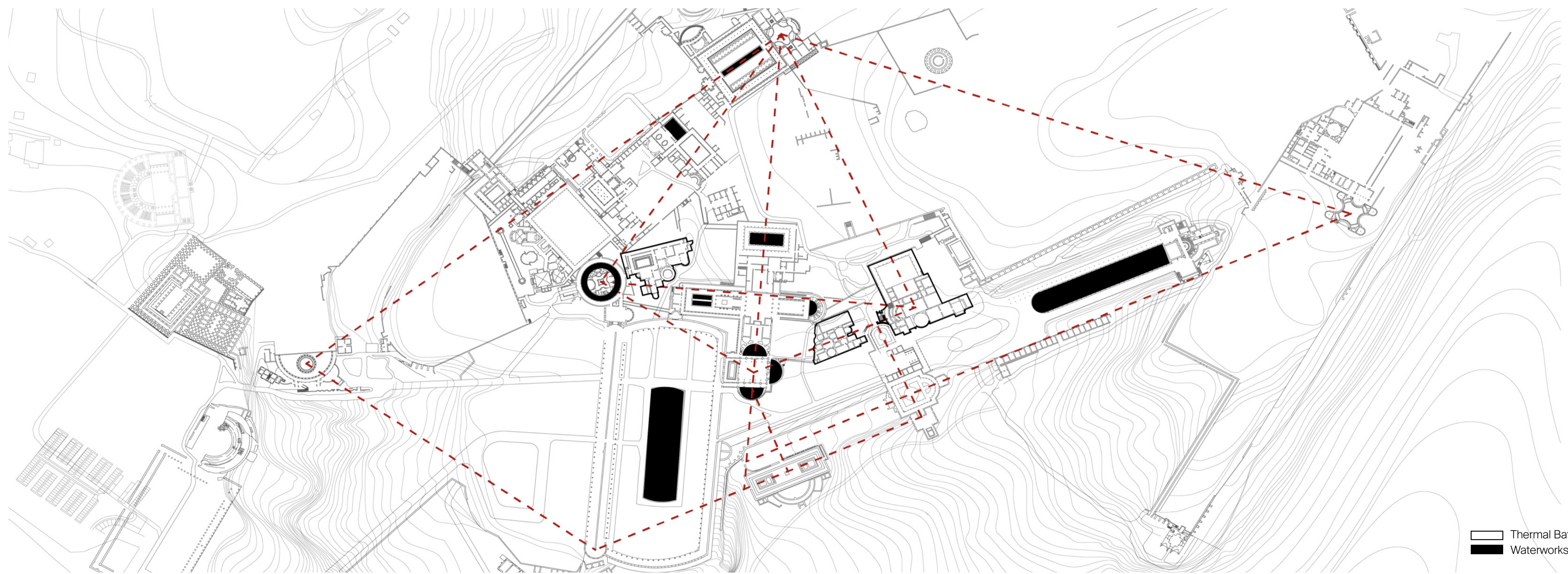
PICCOLE TERME



GRANDI TERME



TERME DI HELIOAMINUS



02

BATH RENAISSANCE AT VILLA ADRIANA

SUPERVISOR - Pier Federico Mauro Calari CO-SUPERVISOR - Valerio Tolve
 ASSISTANT - Sara Ghirardini, Stefano Tremolada
 STUDENT - Han Gao (961750)

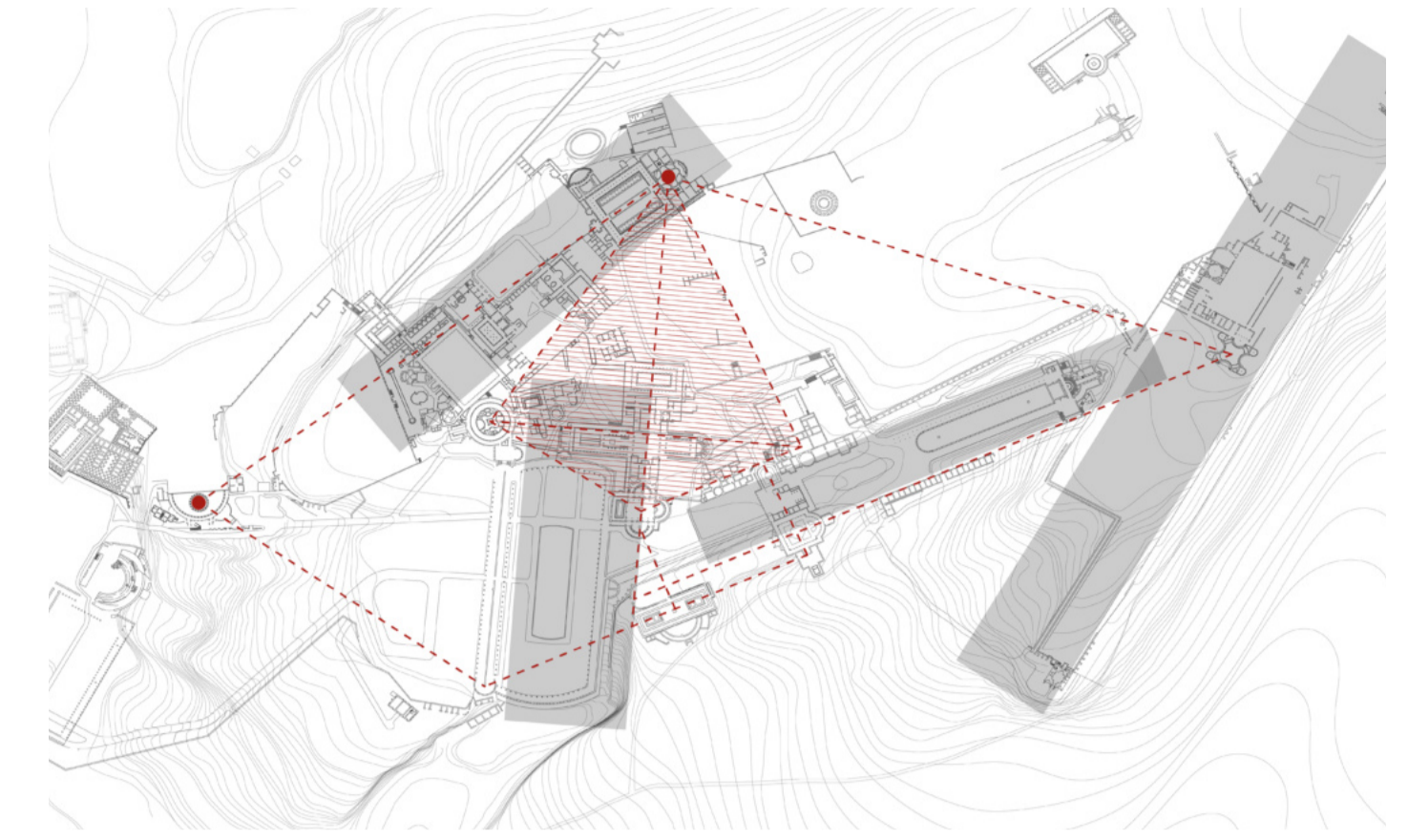


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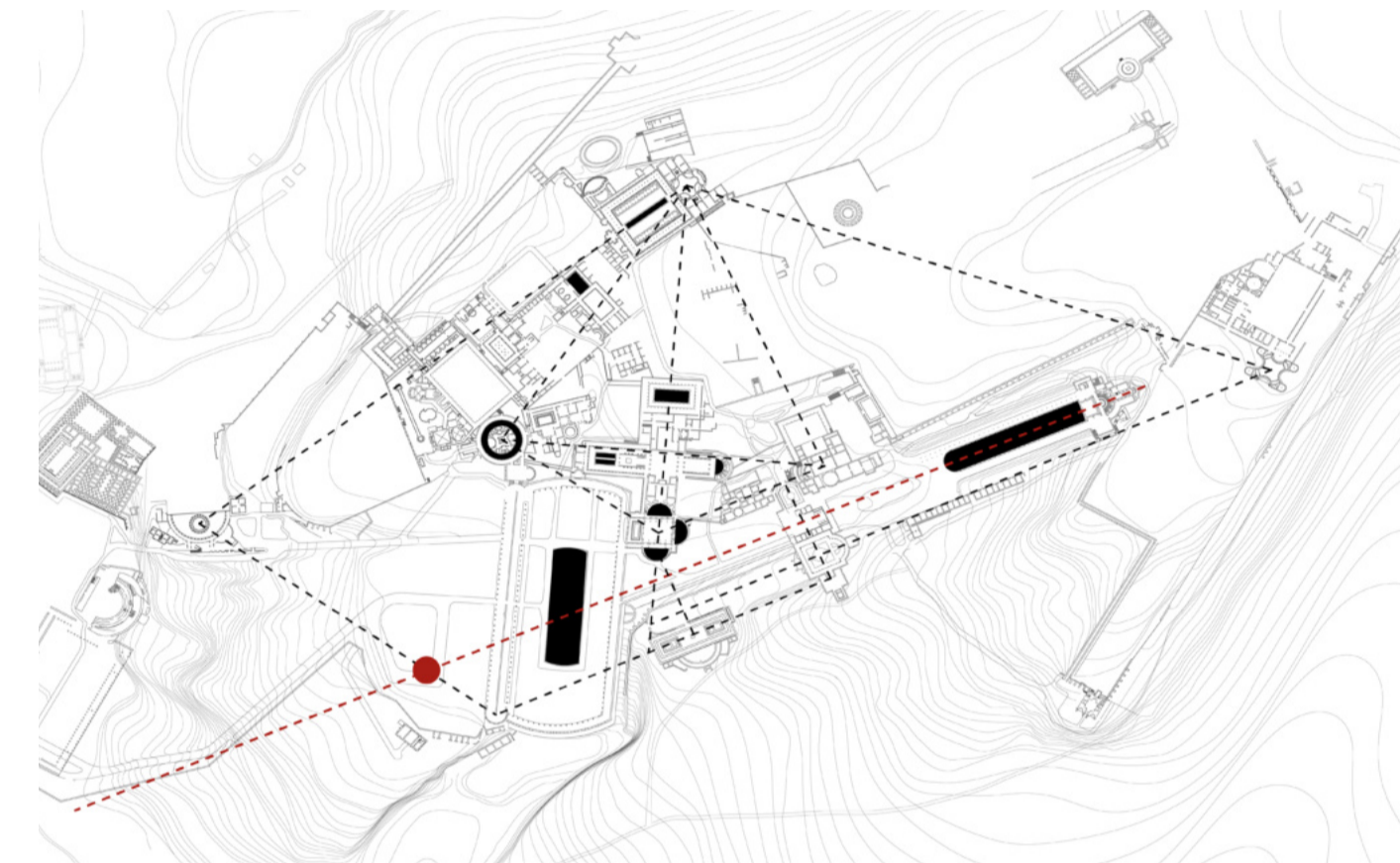
THERMAL BATH



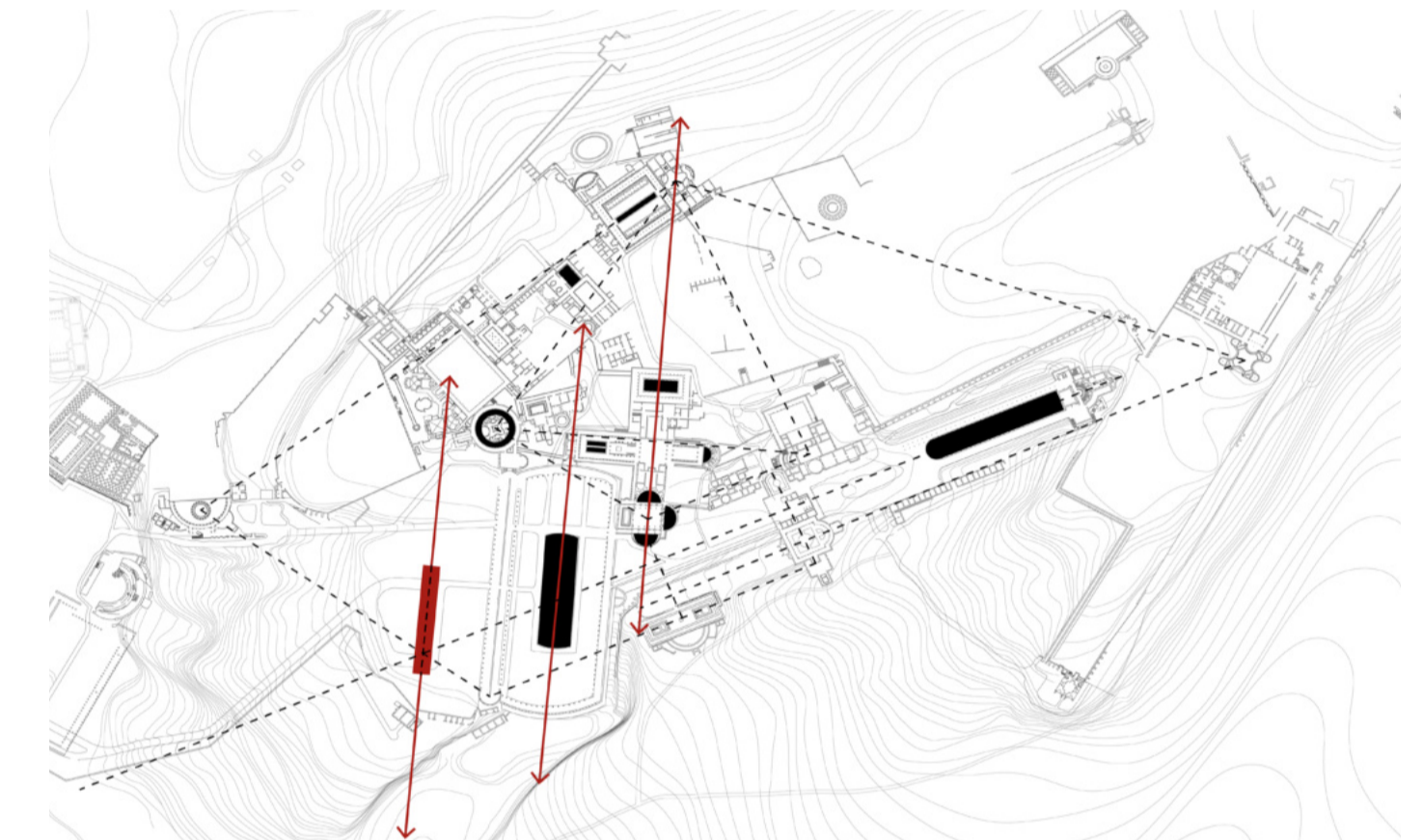
Composition of The New Thermal Bath



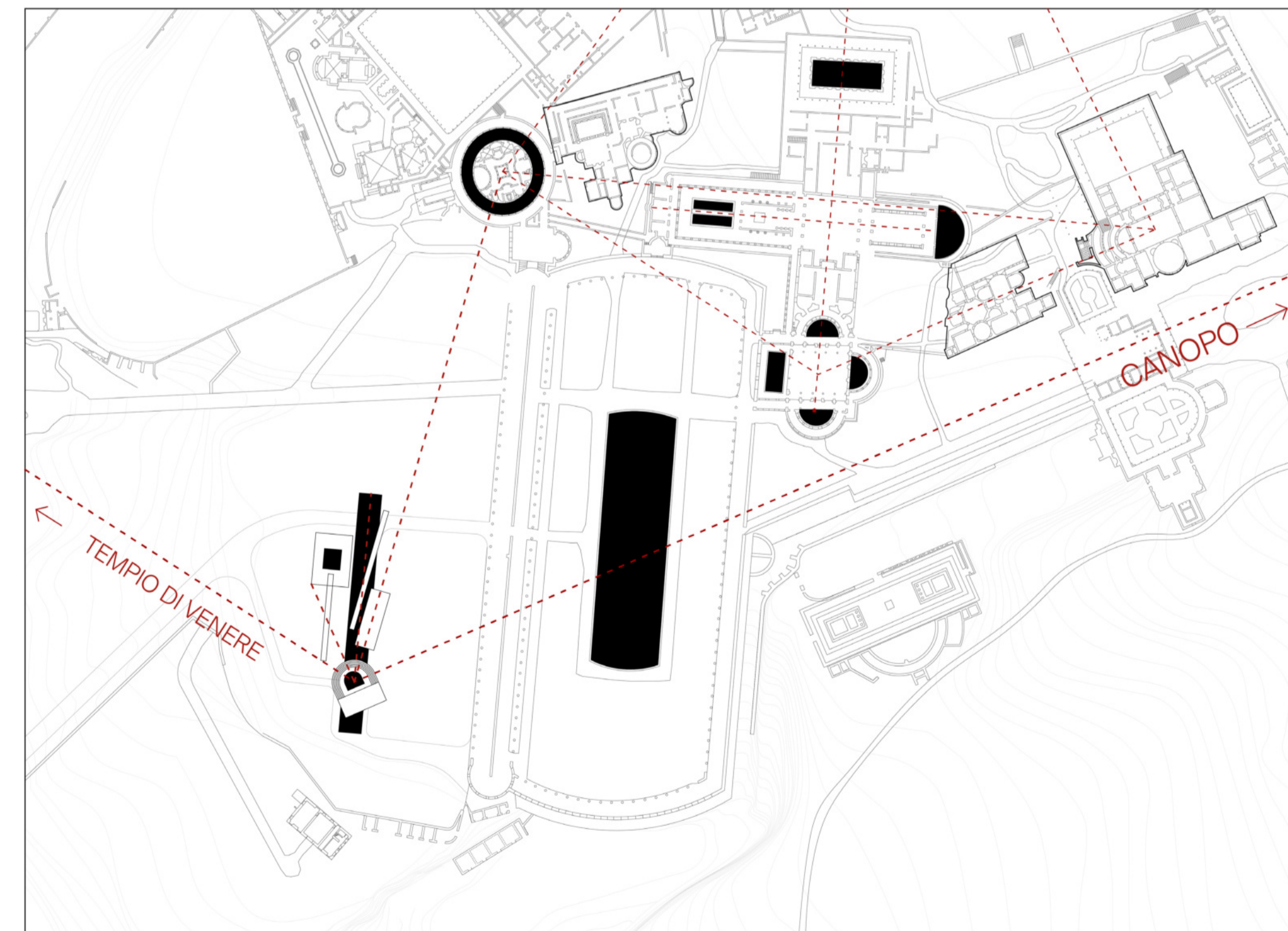
Step 1: Simplified Axial System
To establish a cohesive connection between various areas of the villa, the axial system is simplified while retaining the three main radiology centers. These centers serve as focal points, linking the four main positions of the villa. Additionally, a symmetrical axis is preserved, covering the expansive area of the imperial residence, which oversees and controls the entire villa.



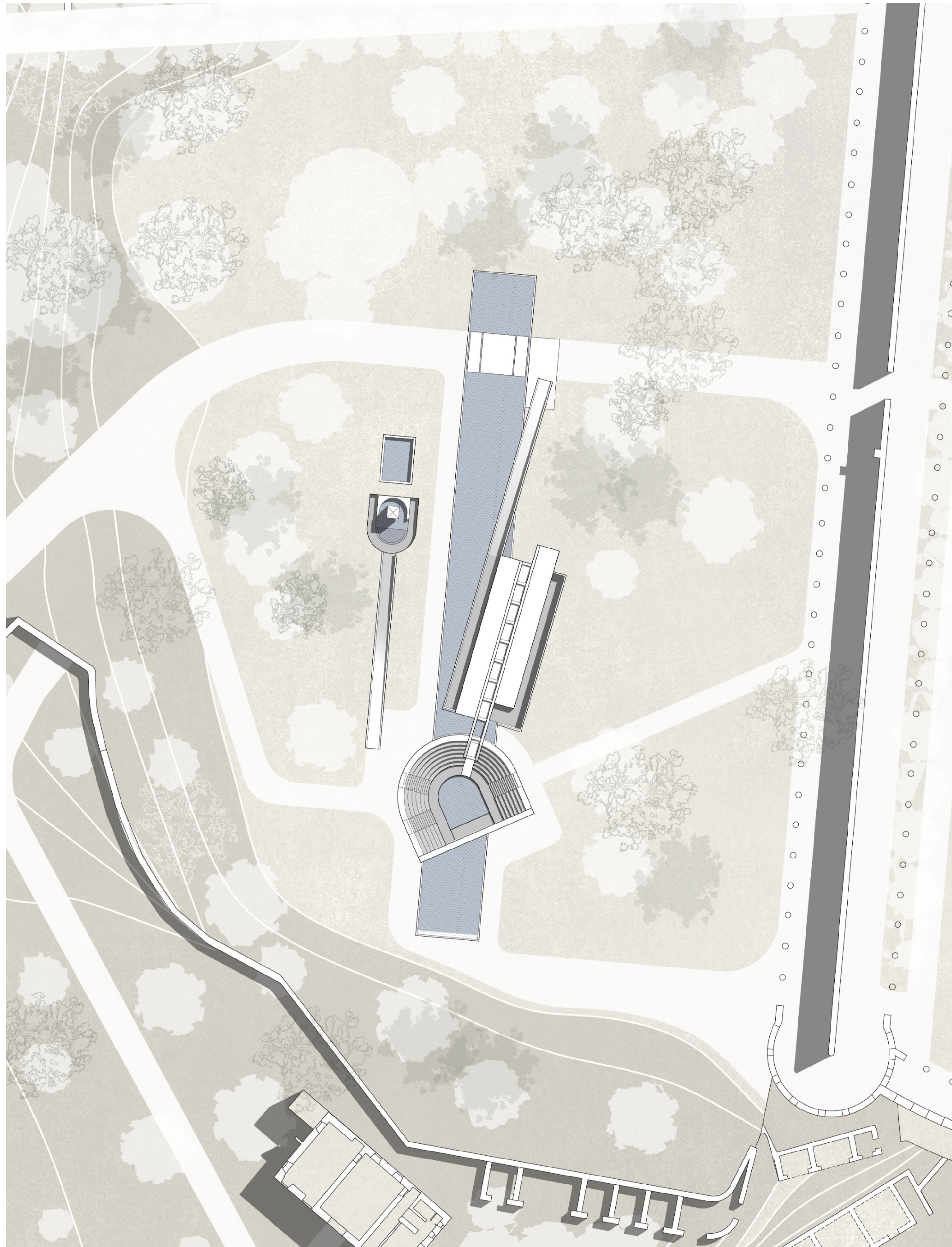
Step 2: Water Axis from Canopo to Intersection
A new water axis is introduced, starting from Canopo and passing through the pecile. This axis is extended until it intersects with the simplified axial system within our design area. This intersection becomes the focal point for the new thermal baths. By utilizing this intersection as the center, the design concept ensures a natural flow of movement and an organic convergence of elements.



Step 3: Parallel Water System
To maintain a sense of symmetry and cohesion, the design concept follows the east-west direction of the pecile and imperial residence. The length dimension of the pecile is used as a reference for the parallel part of the water system. This parallel water system runs alongside the axial system, enhancing the overall visual appeal and ensuring a balanced composition.

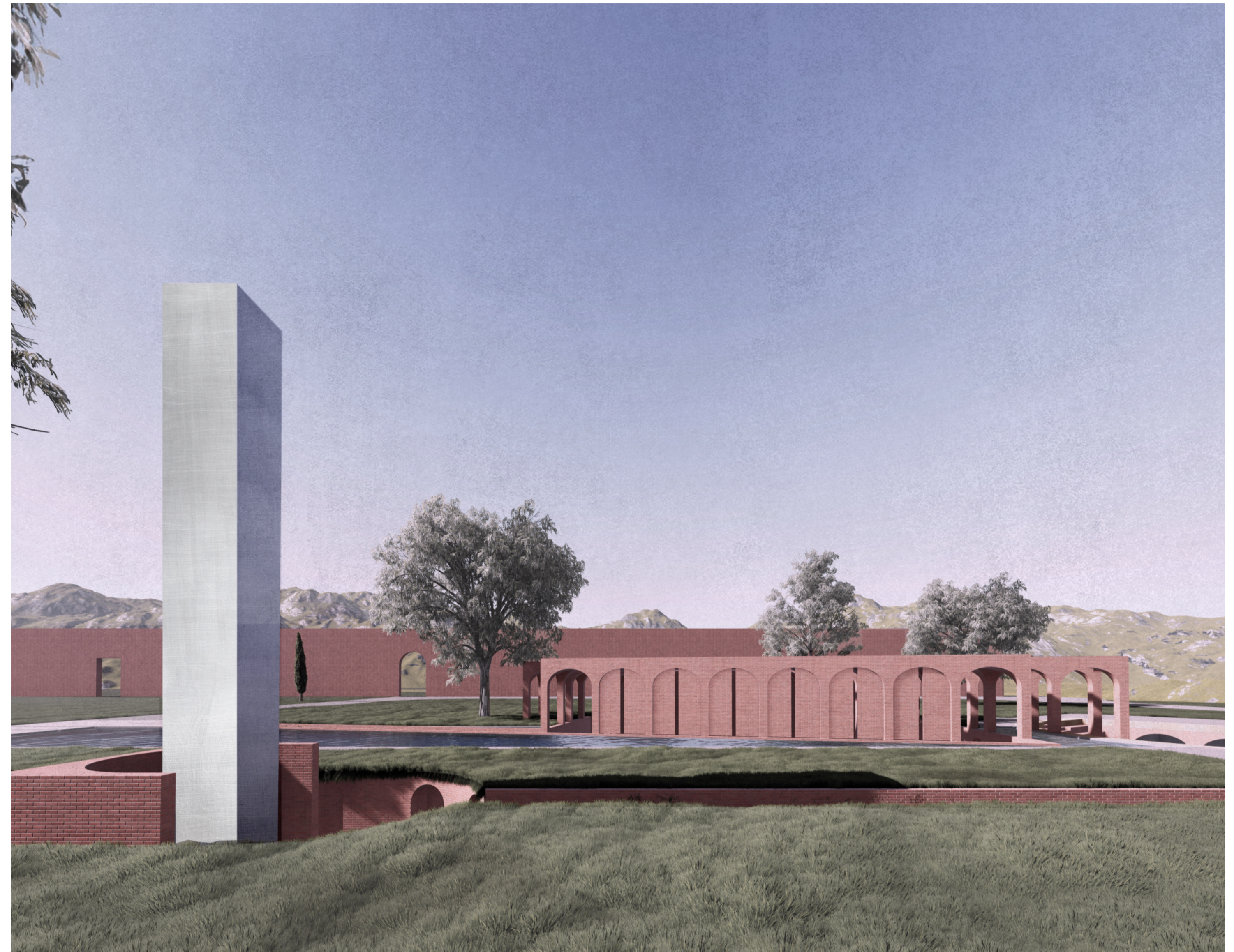


" NEW CENTER "



N ⊖ MASTER PLAN

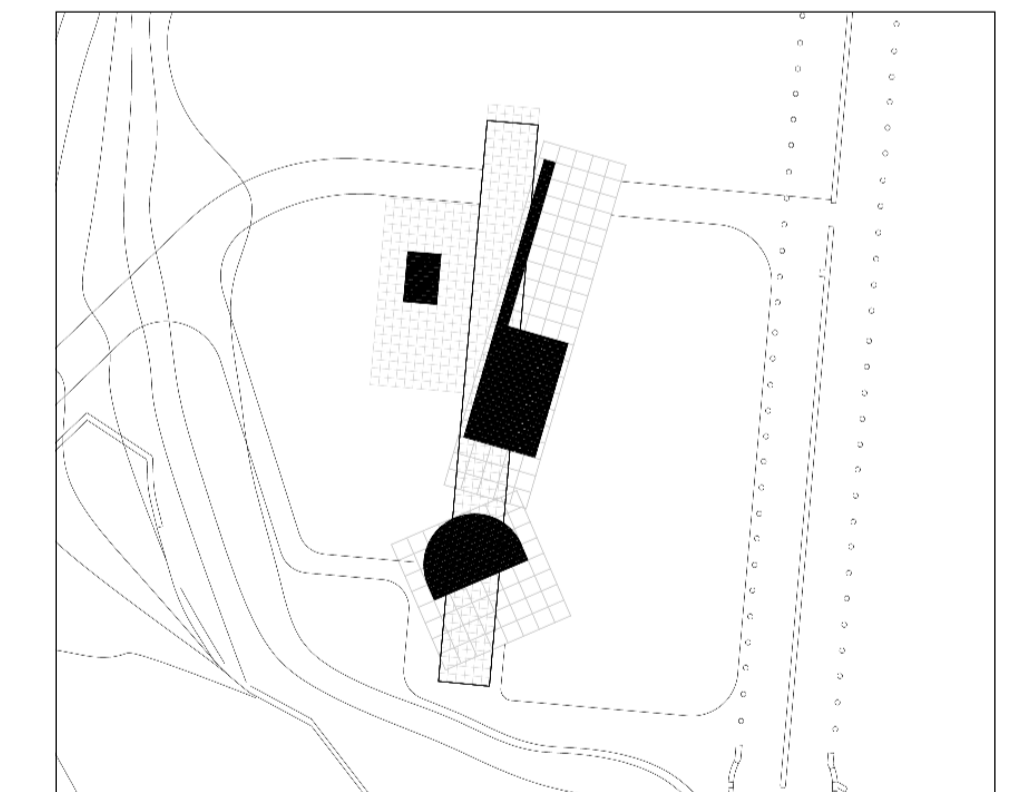
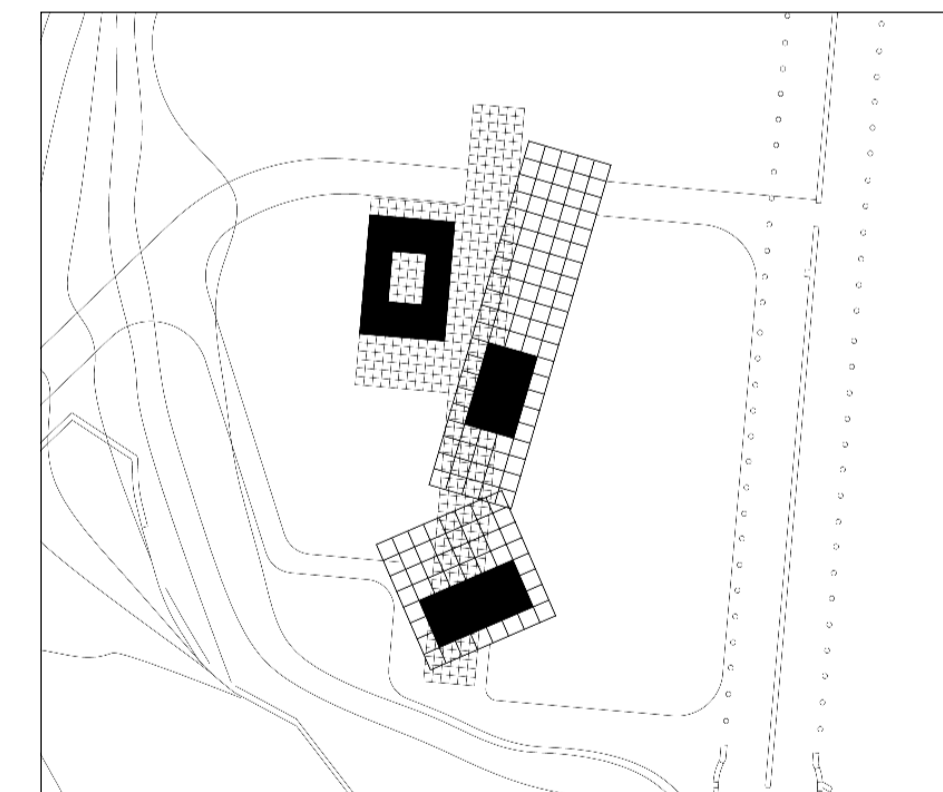
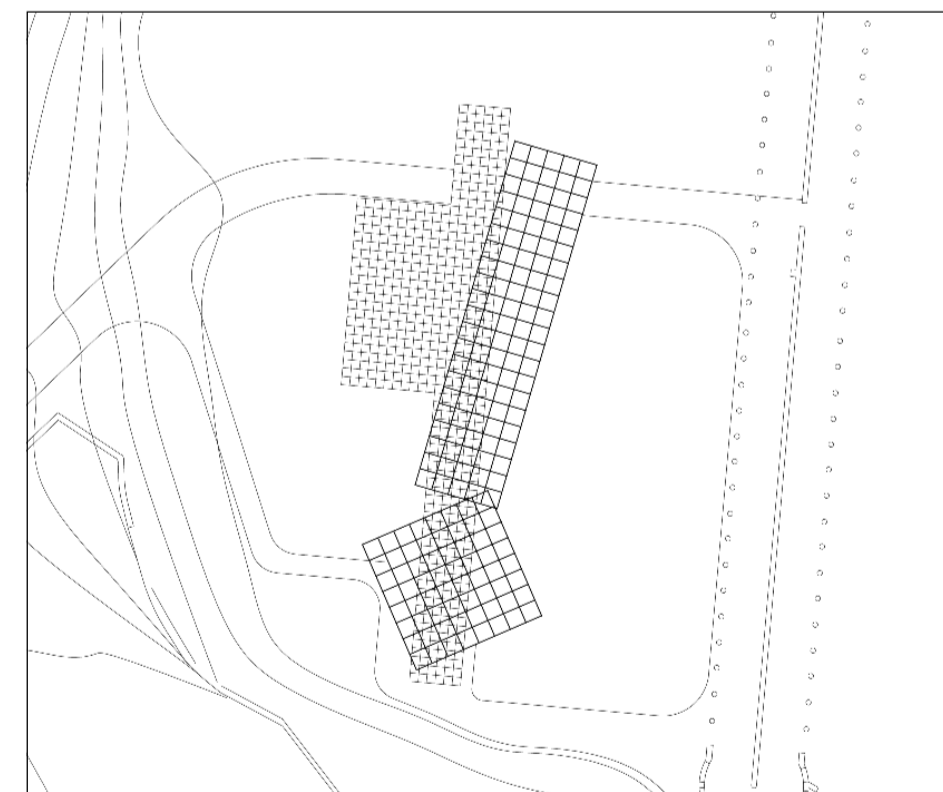
BATH RENAISSANCE AT VILLA ADRIANA



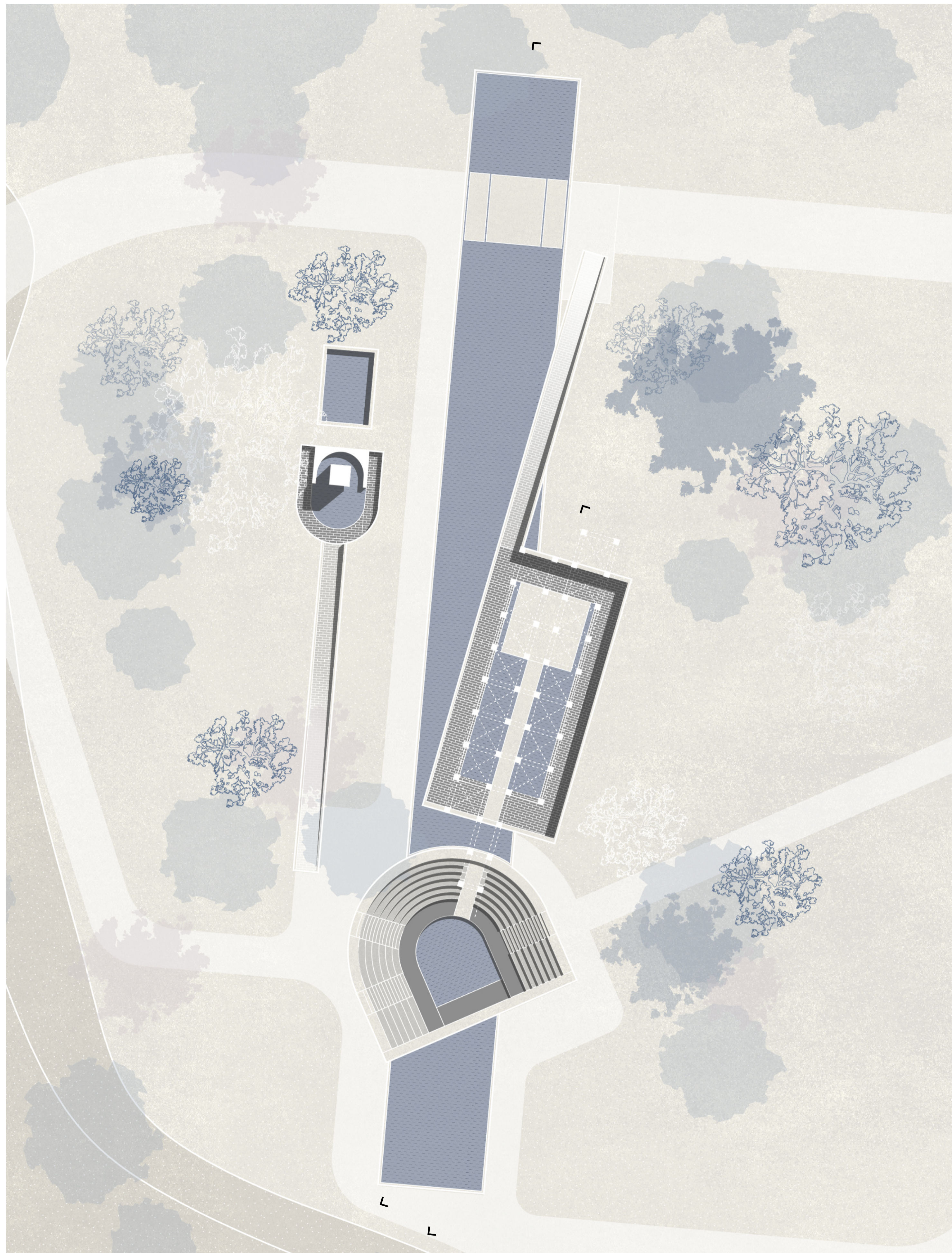
"1.5 x 1.5" "3 x 3"

"ARCHITECTURE"

"WATER"

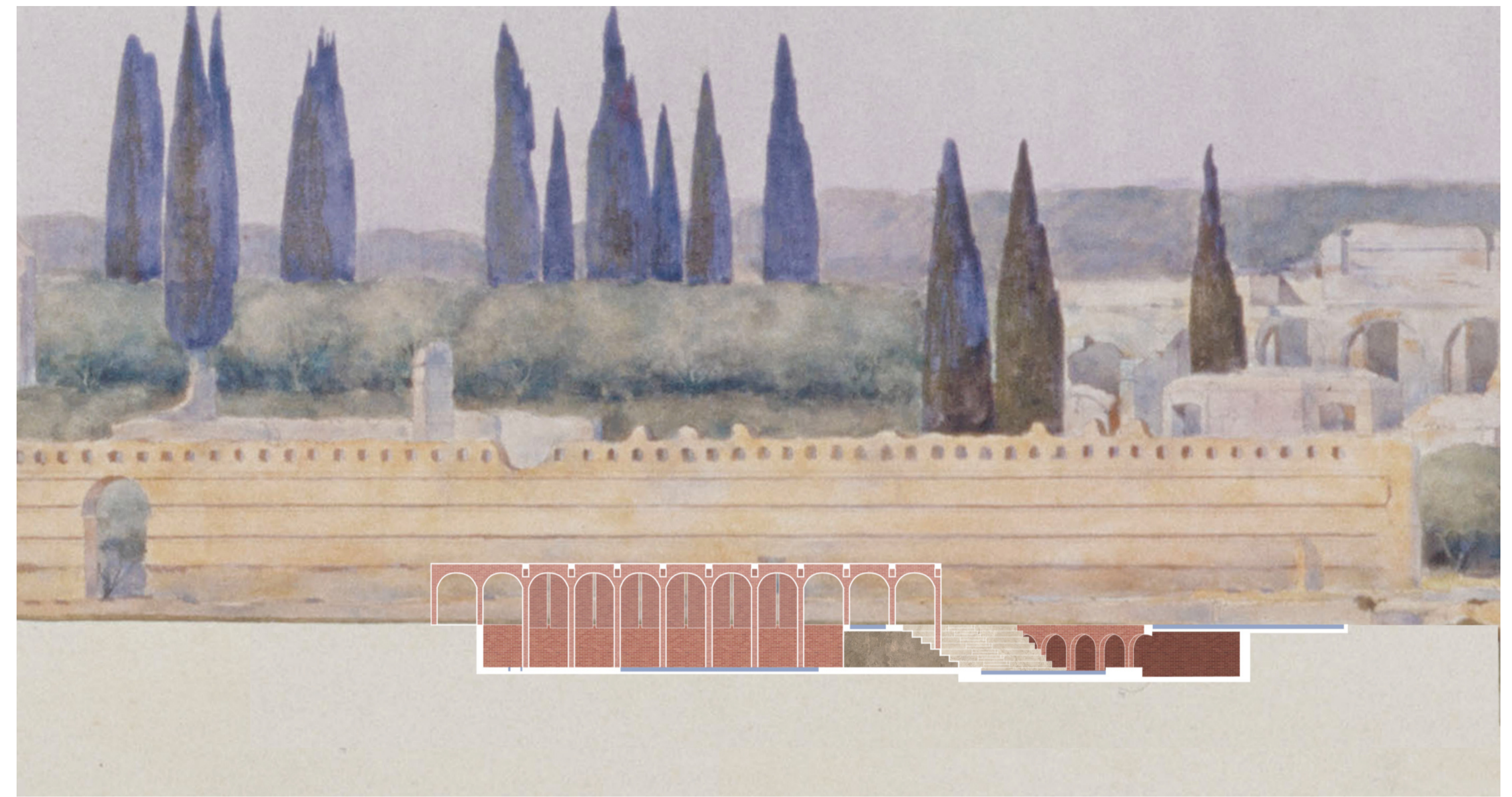


Multi-layered Grid Architecture



N ⊖ GROUND FLOOR PLAN

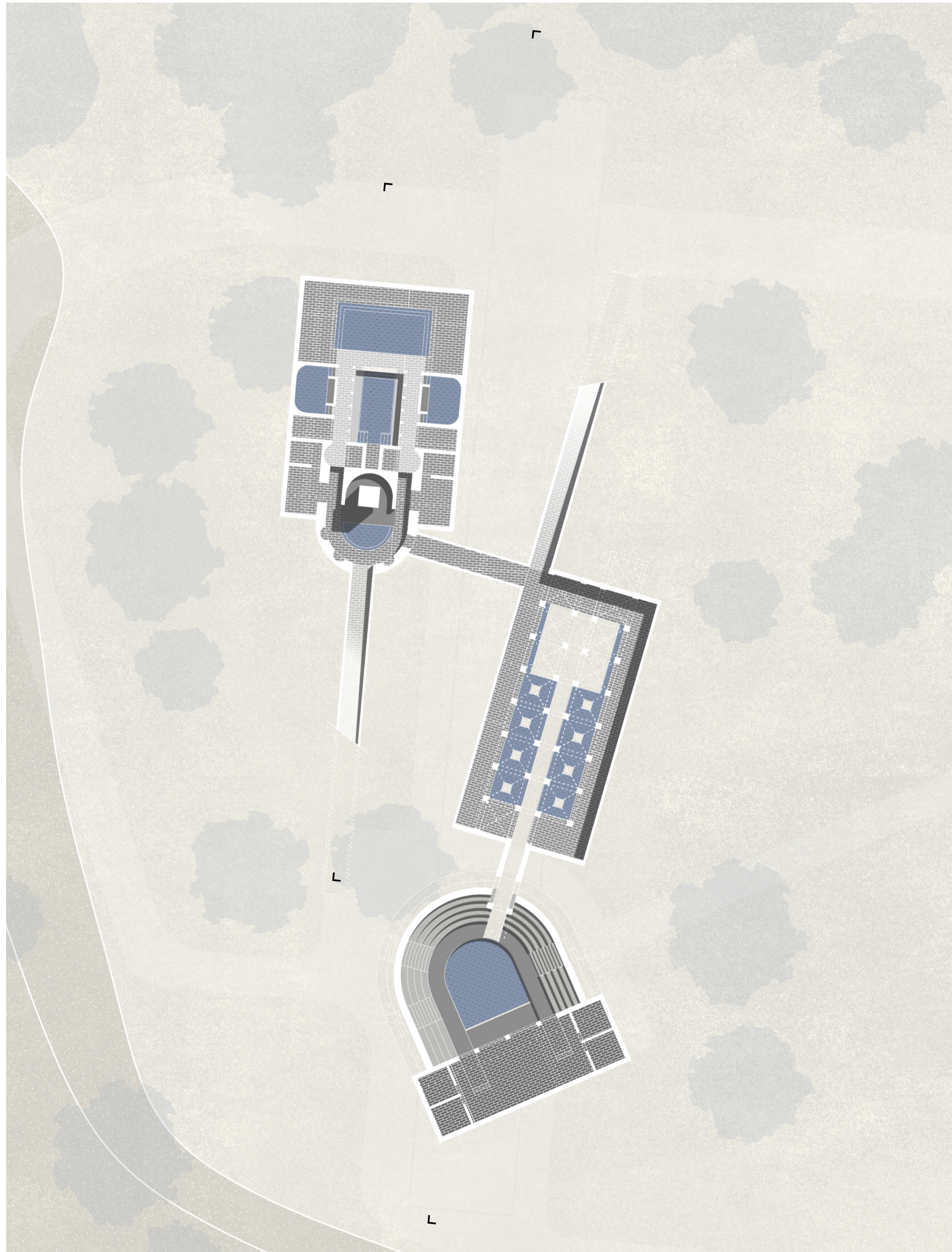
BATH RENAISSANCE AT VILLA ADRIANA



SECTION 1-1

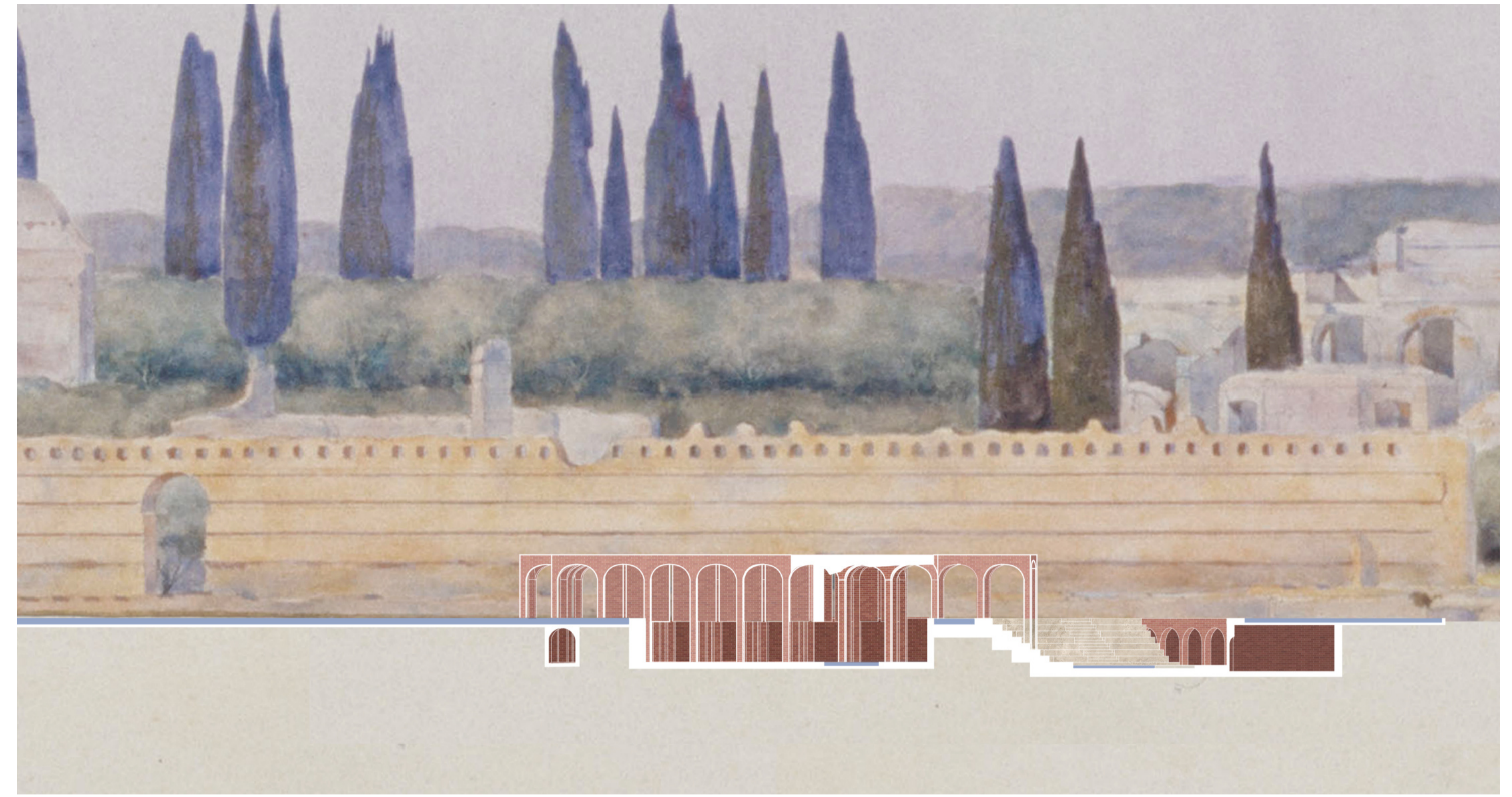
The proposed thermal bath project at Villa Adriana in Rome is a thoughtful extension of the villa's existing architectural and natural features. Central to the design is the enhancement of the polycentric and radiating layout of Villa Adriana, with a strong emphasis on rejuvenating the water elements. This revitalization is achieved by extending the water axes in line with the general plan, expanding water features, and introducing symmetry to the baths. The project seeks to seamlessly integrate modern amenities with the historical charm of the site, preserving the essence of Villa Adriana's heritage.





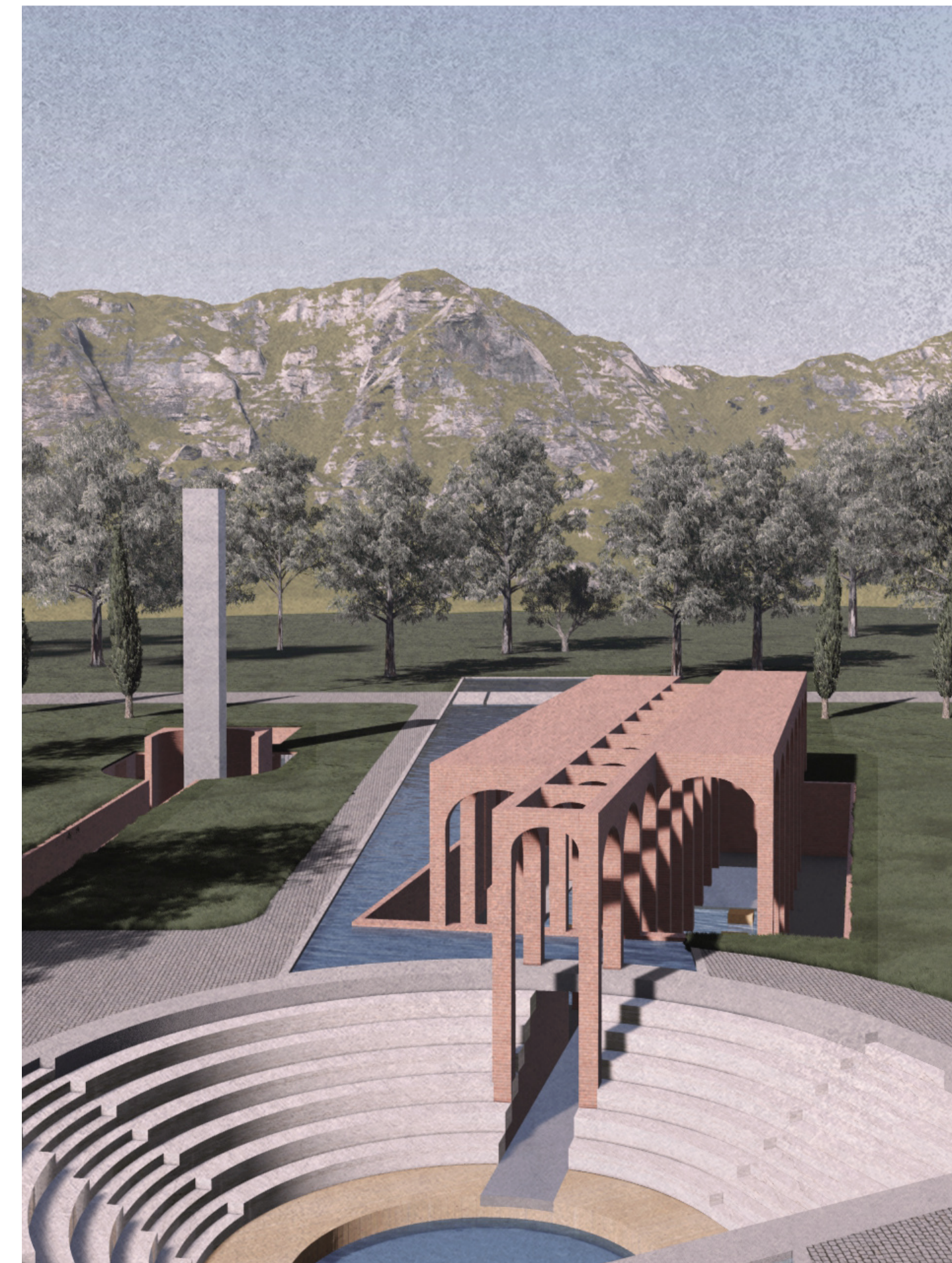
N ⊖ UNDERGROUND PLAN

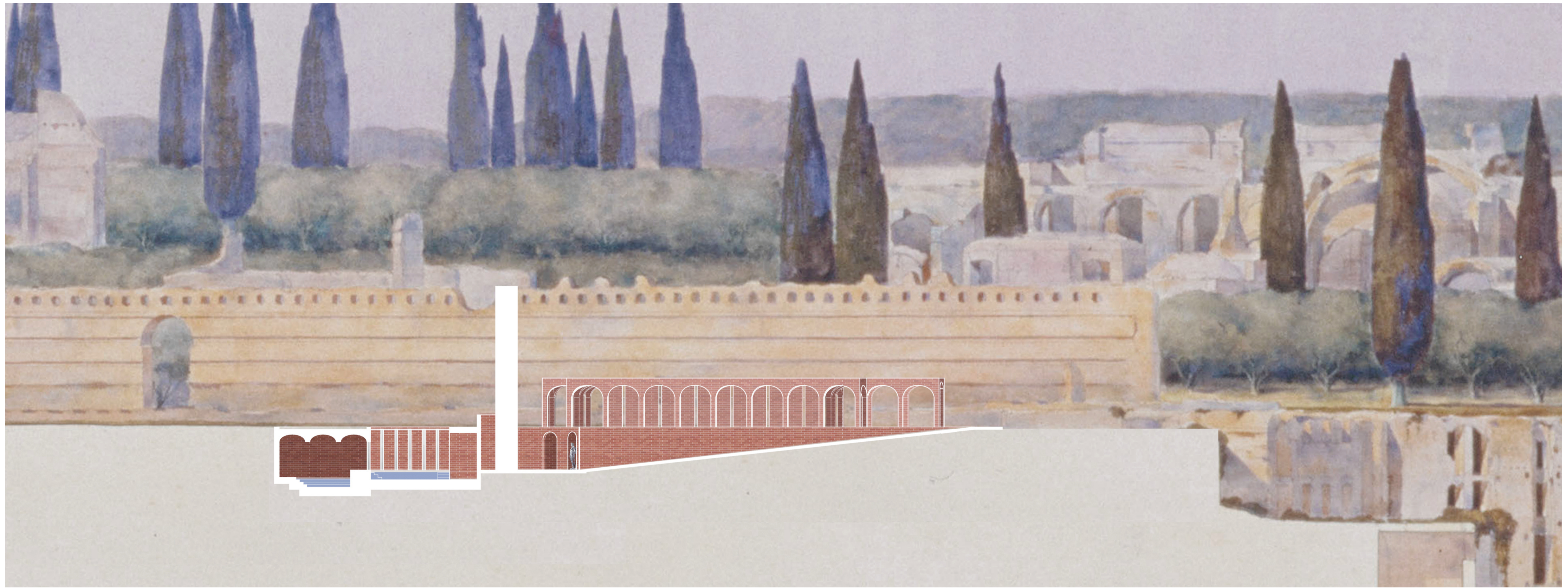
BATH RENAISSANCE AT VILLA ADRIANA



SECTION 2-2

Visitors to the thermal bath project will experience a unique underground journey as they traverse two elongated corridors leading to the baths and an adjoining exhibition space. The building itself is structured across two levels: the upper level is dedicated to the landscape, prominently featuring east-west oriented pools as its focal point. Arches radiate outward from this level, creating a visually striking and harmonious blend of nature and architecture. The lower level of the building serves as an interconnected space for a bathhouse, a semi-open exhibition area, and a central theater, offering a multifaceted experience that engages visitors in the rich history and allure of Villa Adriana.





SECTION 3-3



NORTH ELEVATION

Aesthetic continuity with the heritage area is meticulously maintained through the use of red bricks as the primary building material. This choice allows the façade to blend seamlessly with the peccile wall, preserving the architectural harmony of the site while accommodating the modern demands of the thermal bath project. The result is a design that pays homage to the historical significance of Villa Adriana while providing a contemporary, inviting space for relaxation, cultural exploration, and appreciation of this remarkable Roman treasure.

