

EXAMPLES



Spiral Growth Patterns of Pine Cones

Each seed in the pine cone belongs to both sets of spirals. 8 of the spirals move clockwise and 13 of the spirals move counterclockwise. The proportion of 8:13 is 1:1.625 which is very close to the golden section proportion of 1:1.618



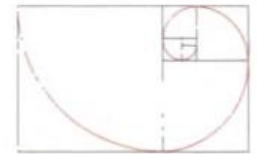
Spiral Growth Patterns of Sunflowers

Similar to the pine cone each seed in the sunflower belongs to both sets of spirals. 21 spirals move clockwise, and 34 spirals move counterclockwise. The proportion of 21:34 is 1:1.619 which is very close to the golden section proportion of 1:1.618

Comparison of Tibia Shell Spiral Growth Pattern and Golden Section Proportion



Chambered Nautilus
Cross section of the Nautilus' spiral growth pattern.



Golden Section Spiral Construction diagram of the golden section rectangle and resulting spiral.





Figure 2: Geometric order and chaos in urban structures: the square on the front of St. Peter's basilica in Rome from 1656–1667 (left part) and Piazza del Campo with surroundings in Siena, Italy, from 1289–1355 (right part)

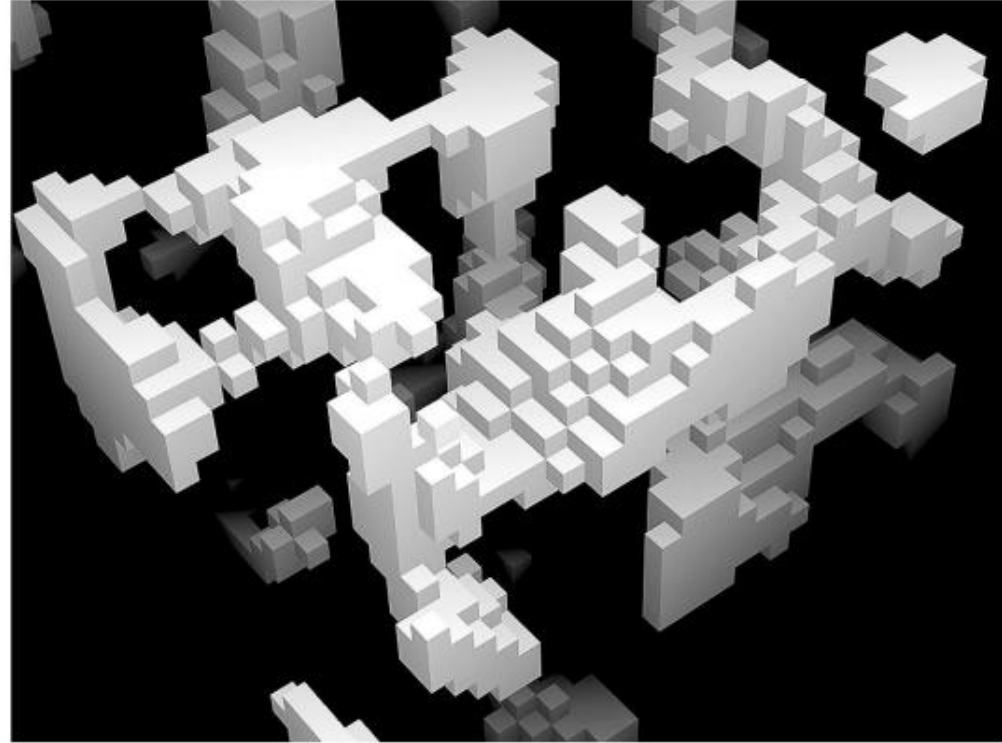
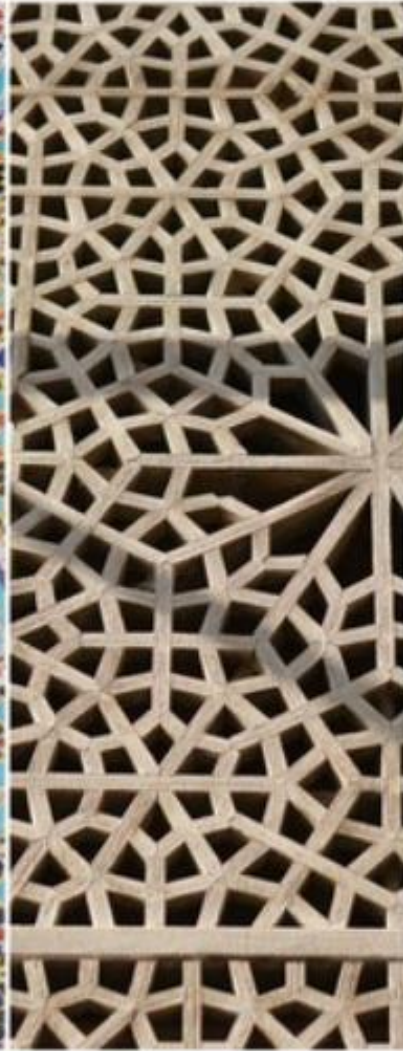
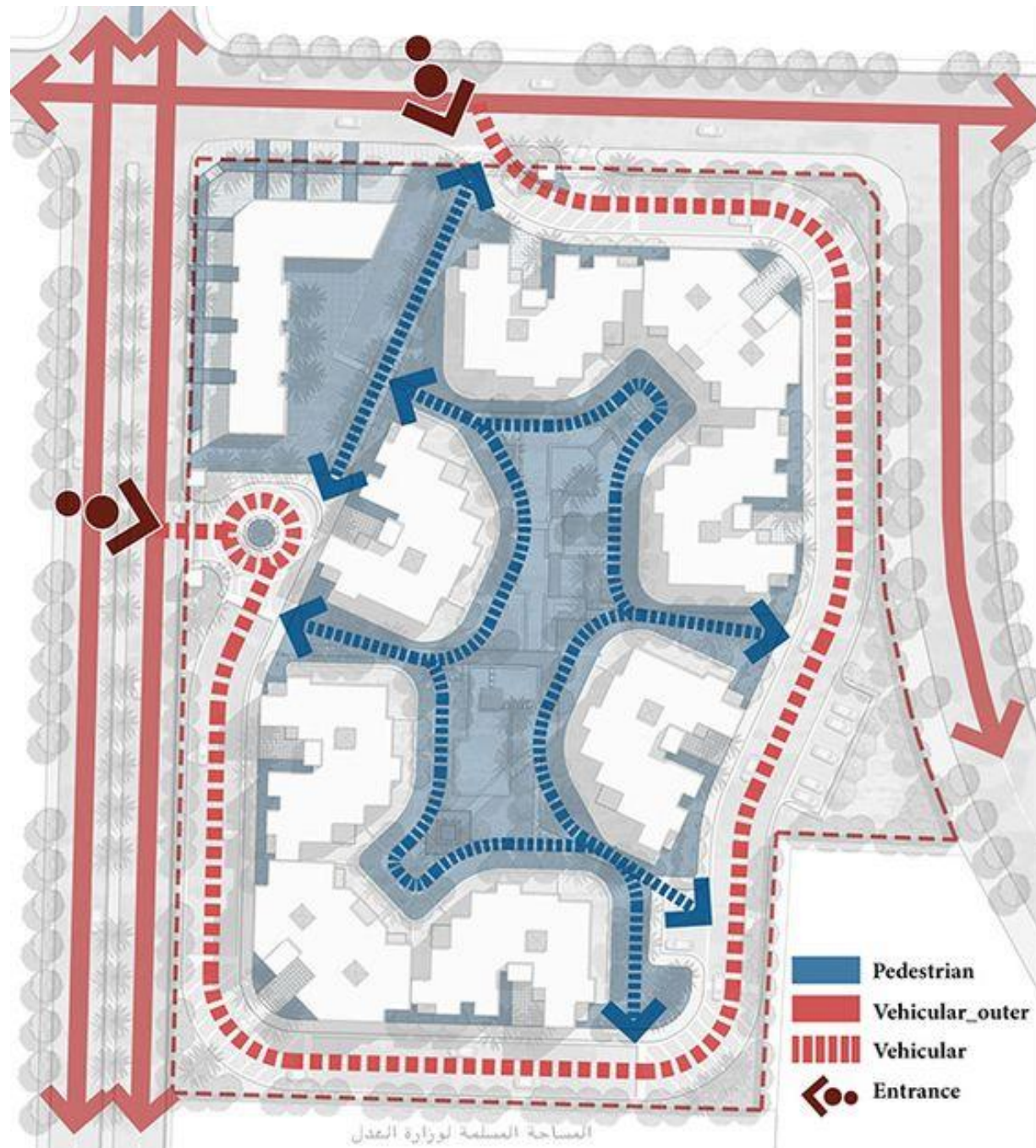
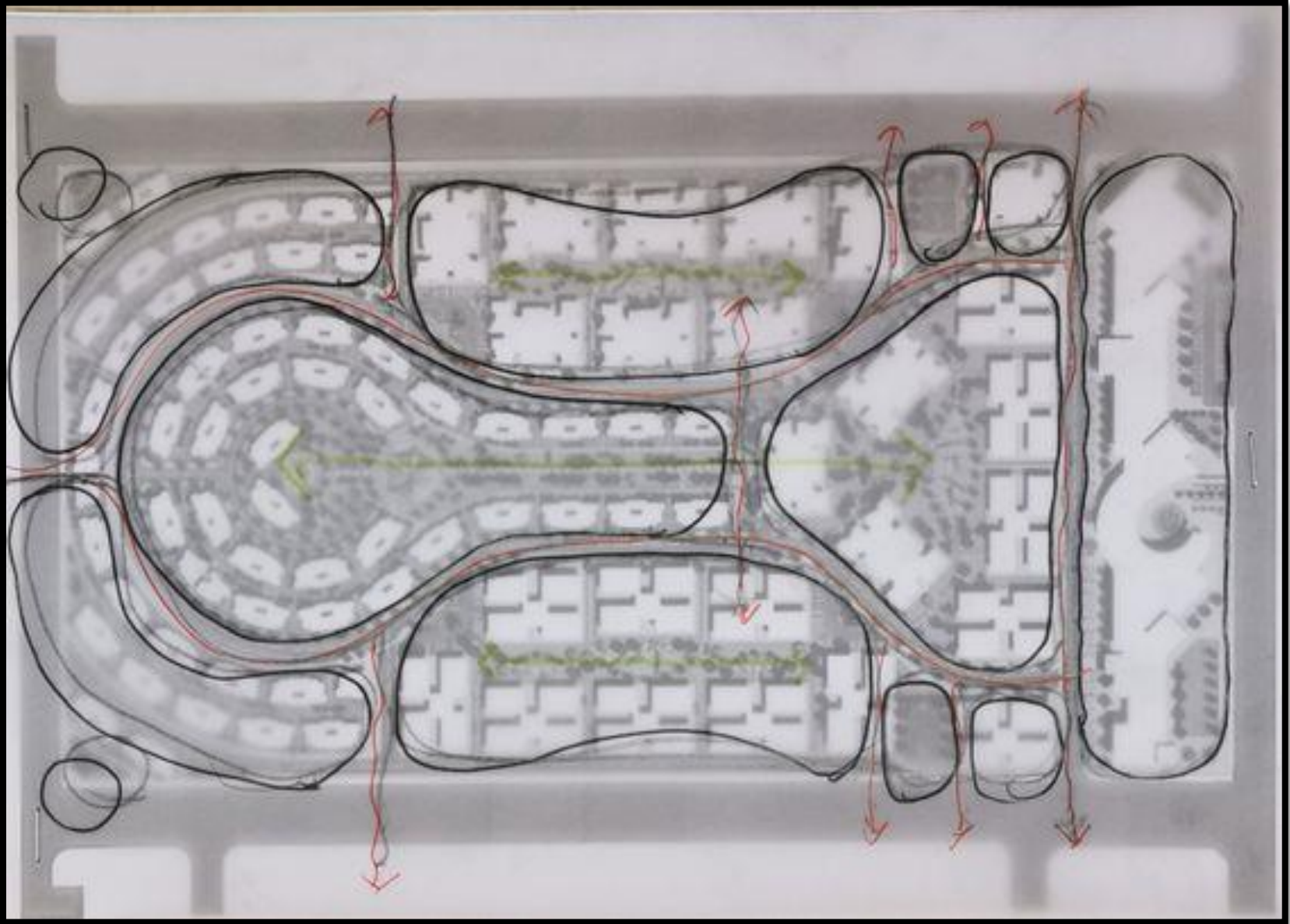


Figure 12: Cellular automata and their analogies in architectonic space: "Habitat 67", the residential building designed by Moshe SAFDIE on the Expo world-wide exhibition in Montreal in 1967 (left part); and the cellular automaton in 3D made using the computer program MODEL [10] (right part)

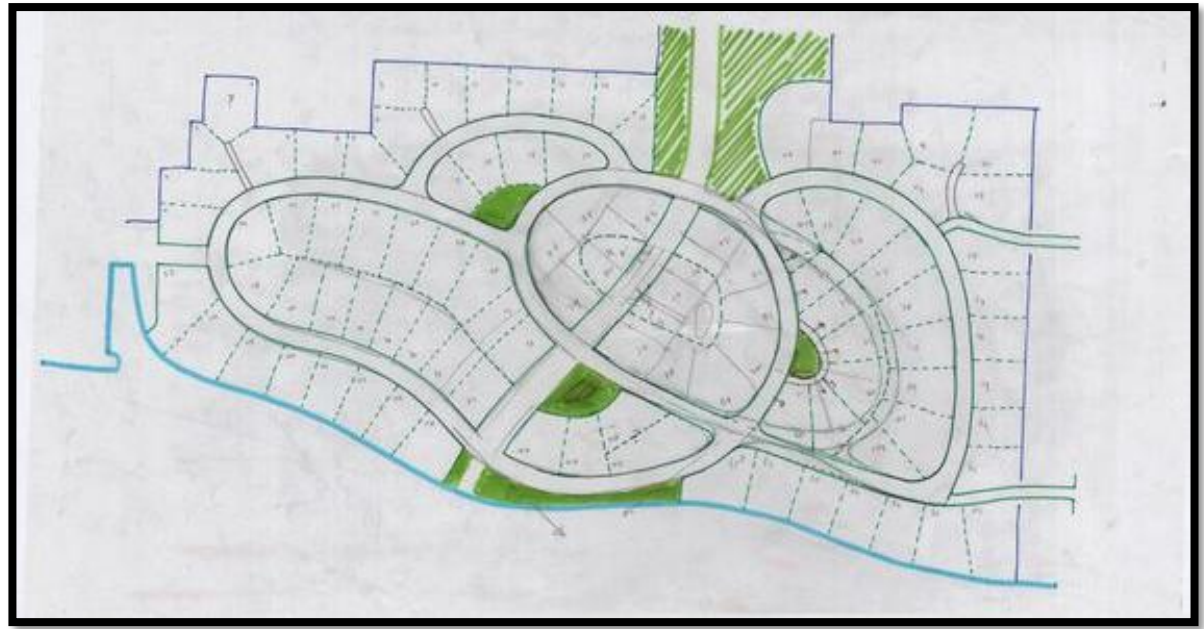
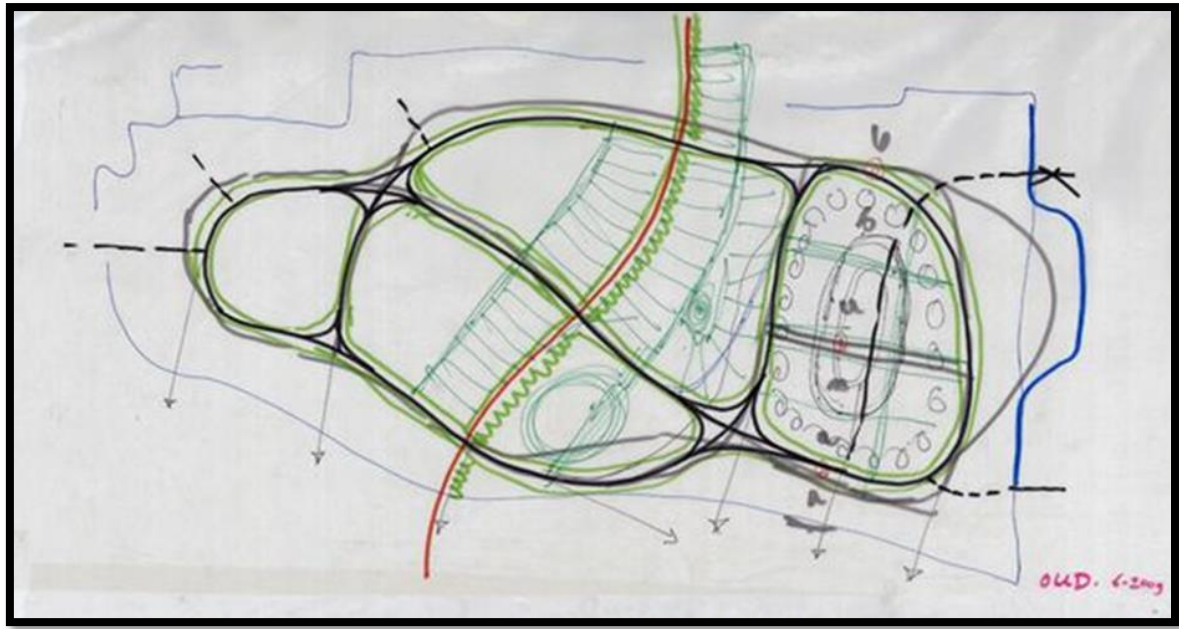


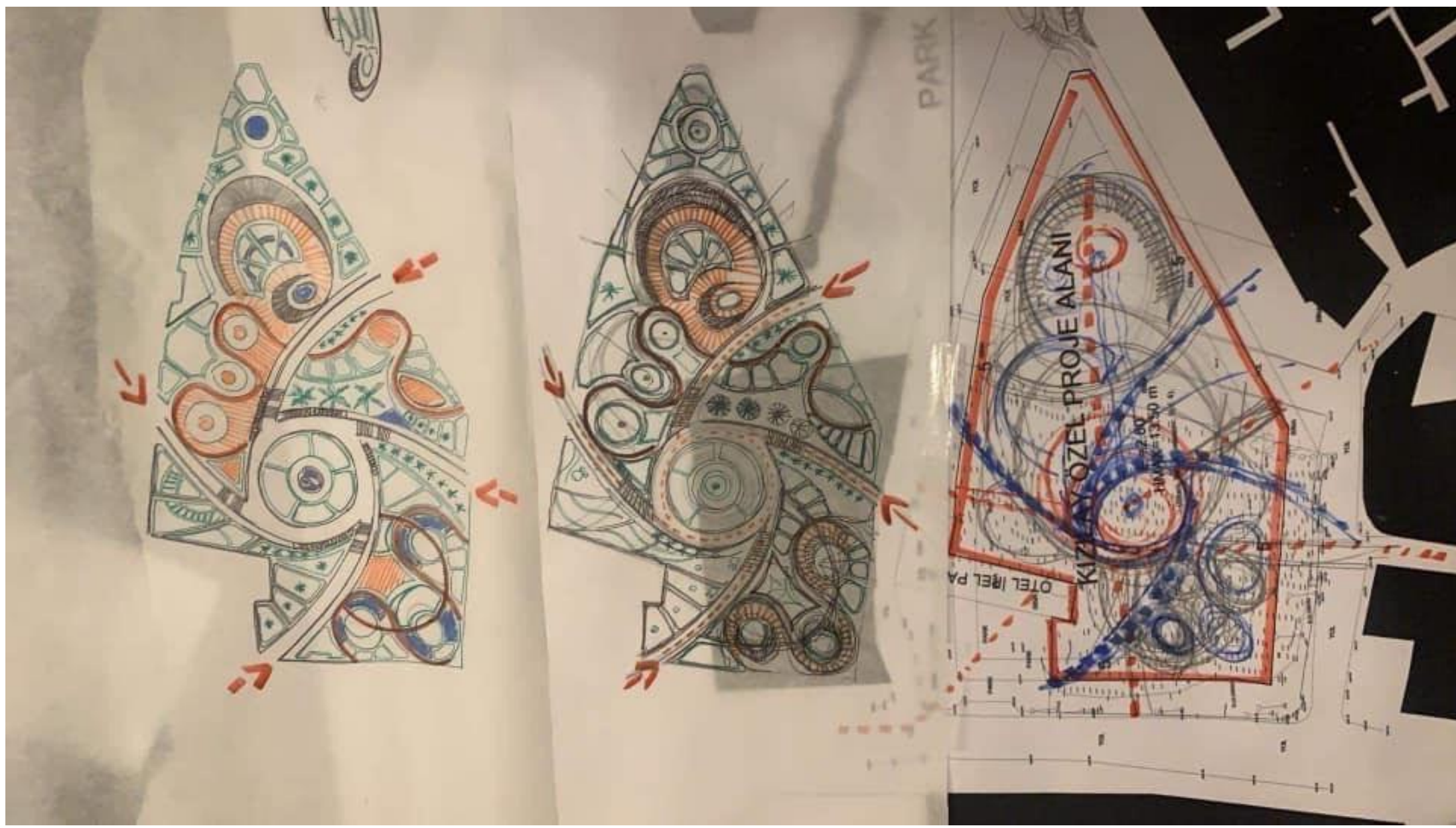






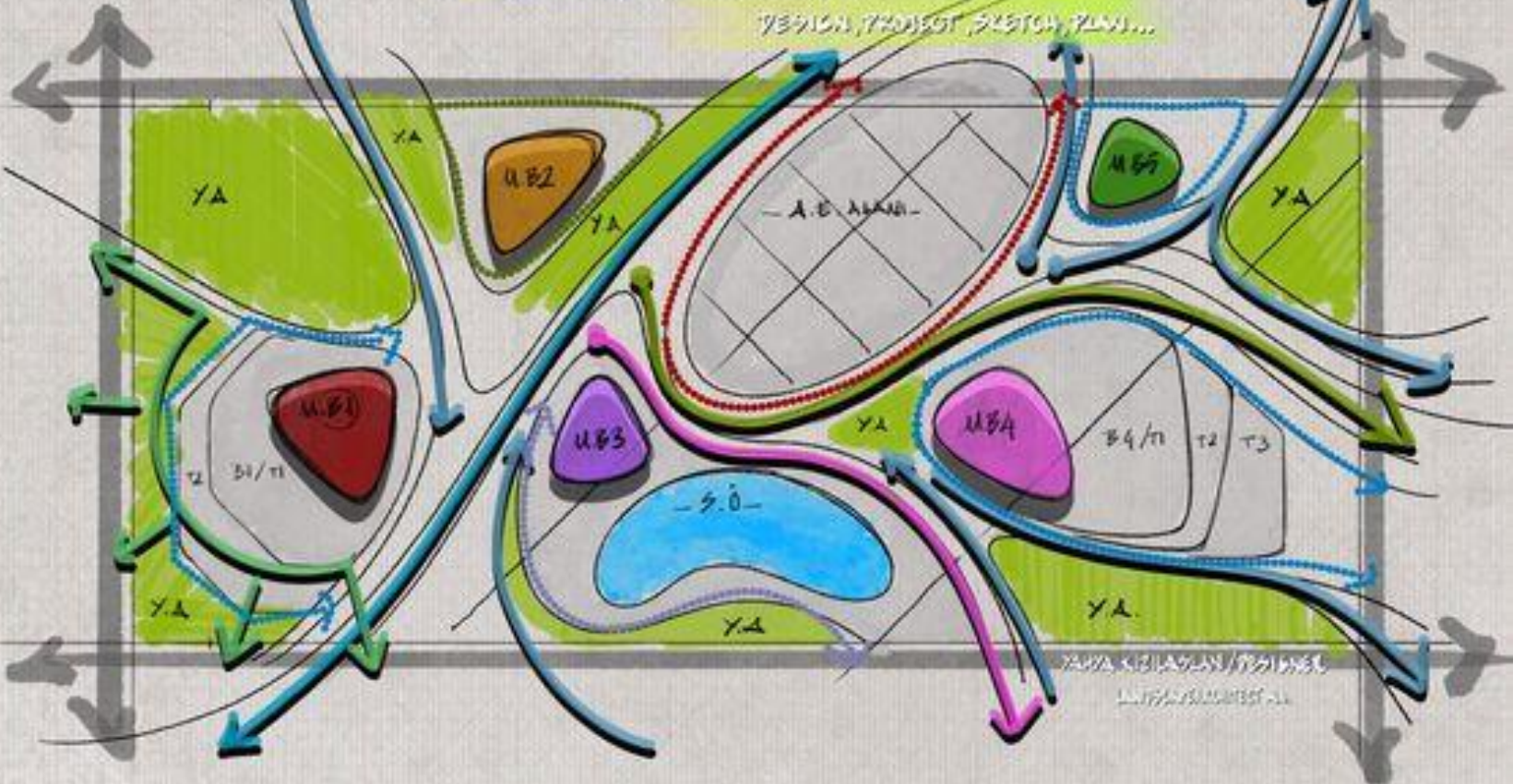






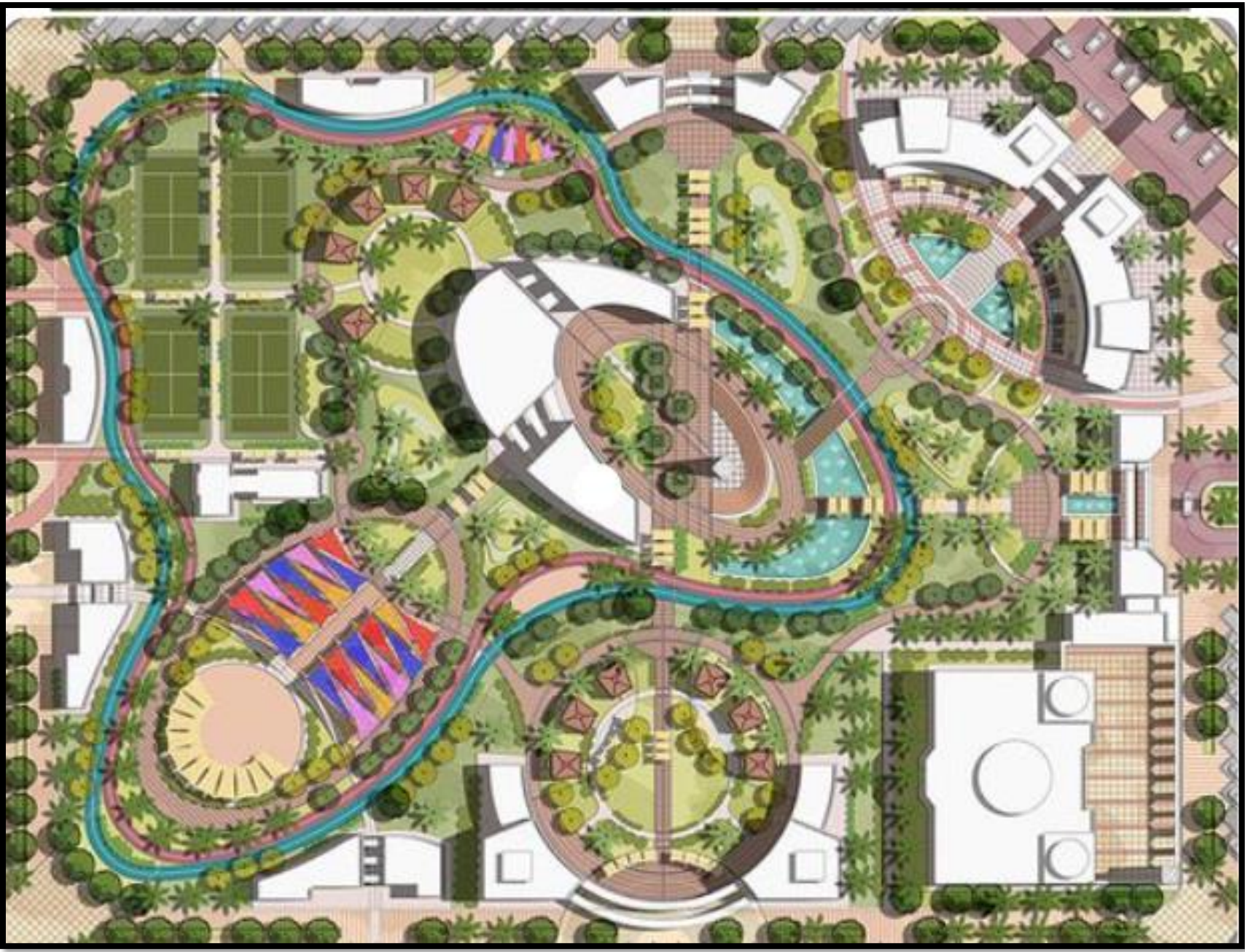
PEYZAJ TASARIMI / LEKE PLANI

DESIGN, PROJECT, SKETCH, PLANI...



YAVA KILIÇAN / TSHİNEL
LİNGVİSTİK













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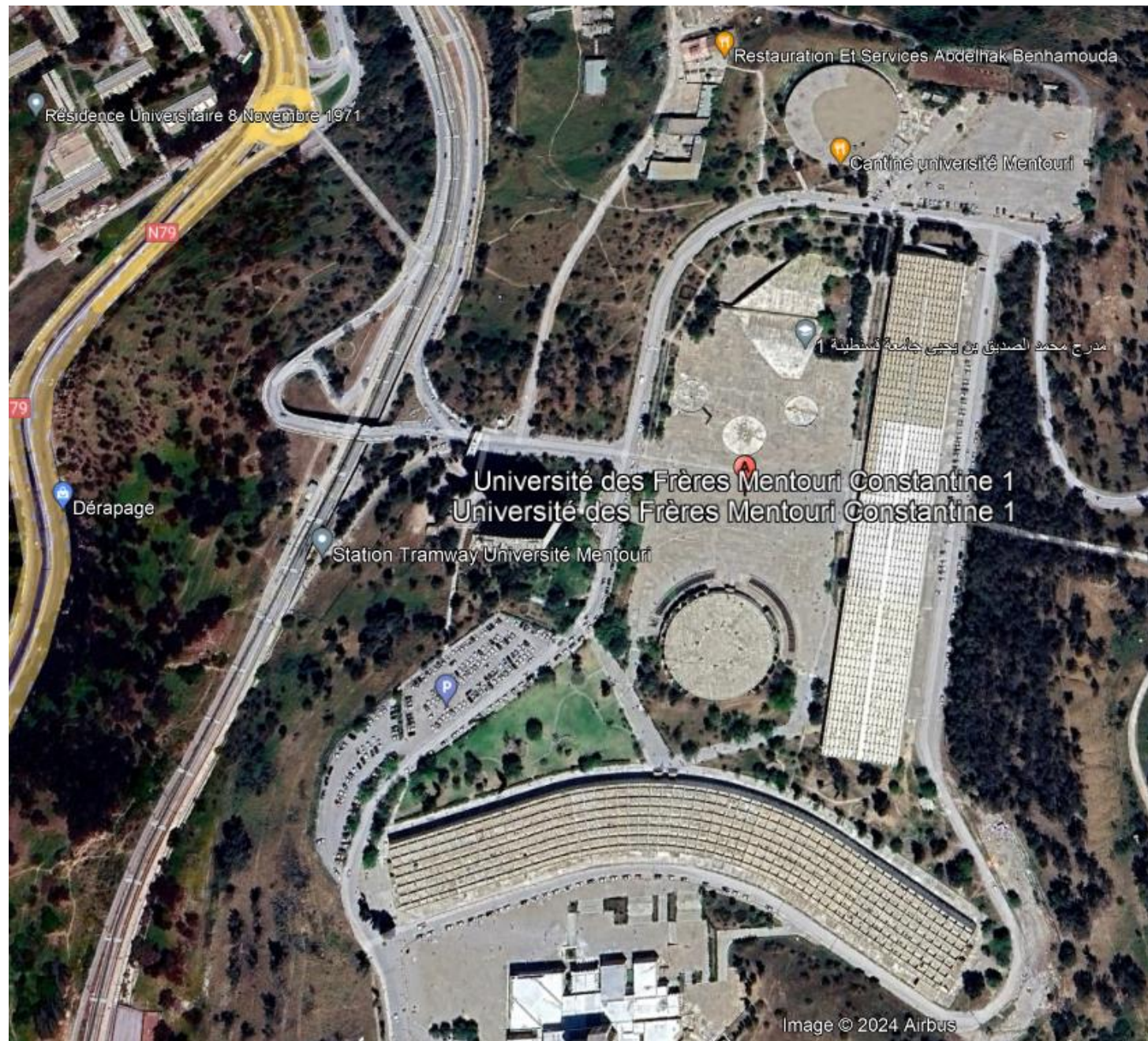
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