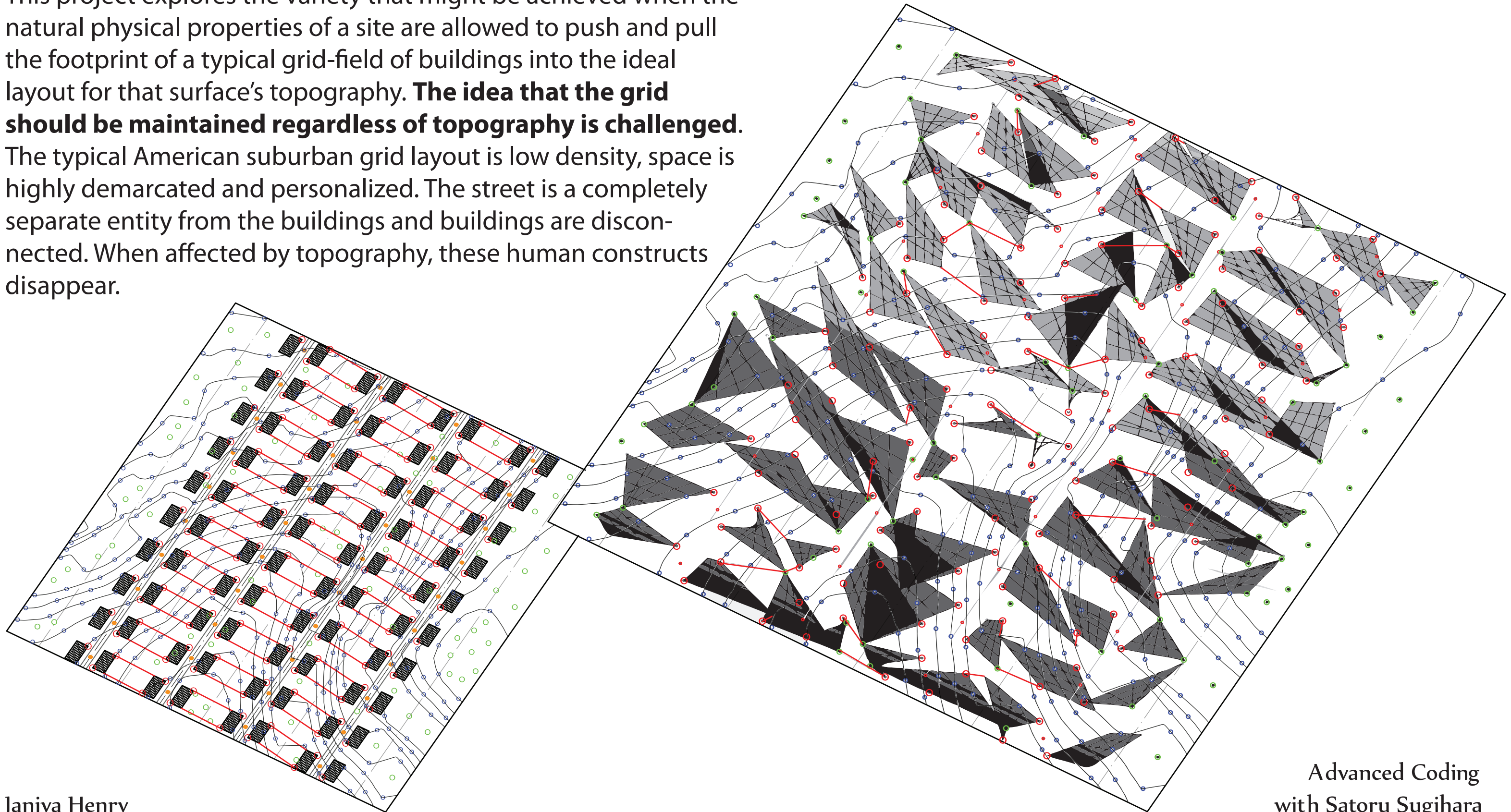
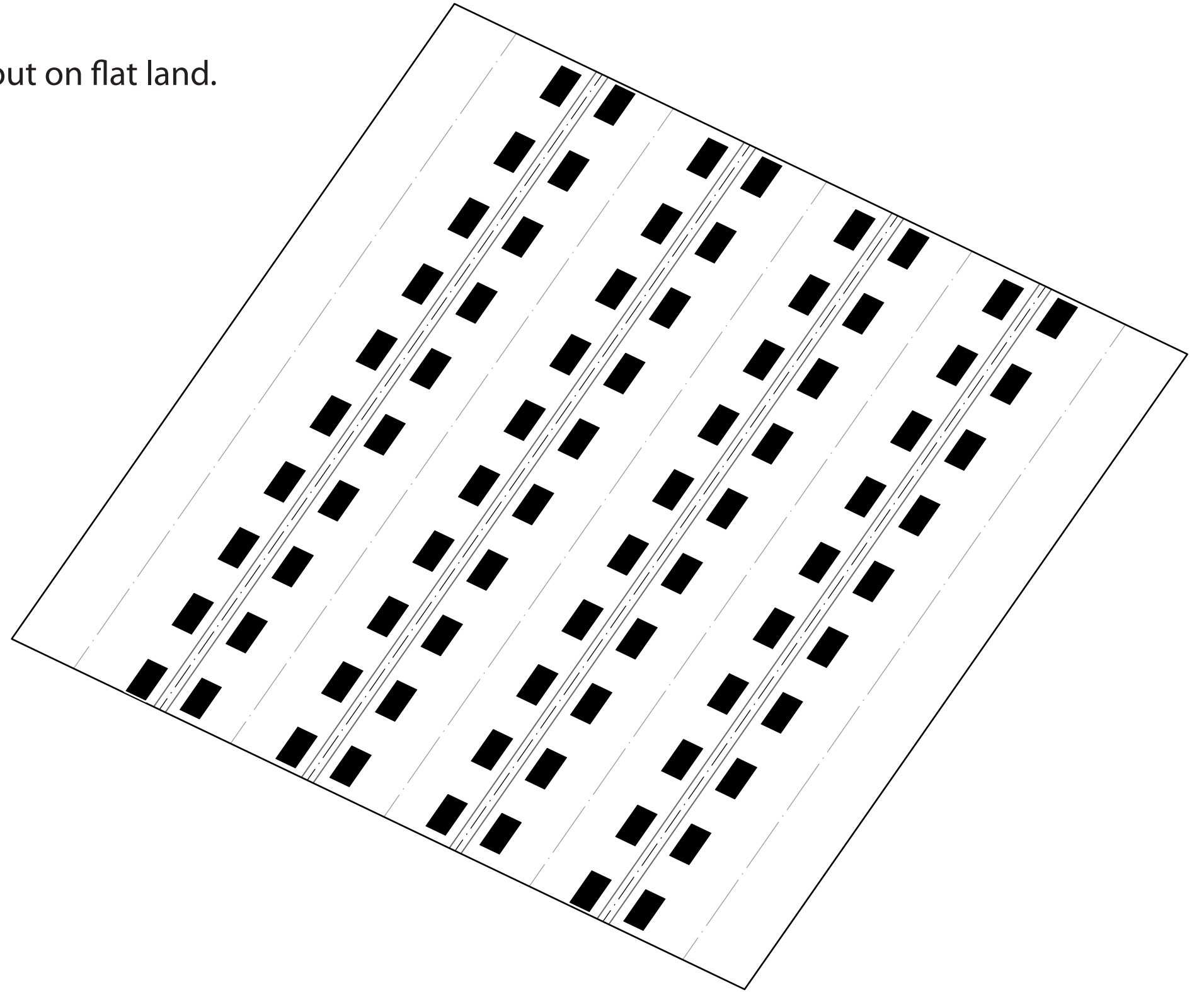


Topographical Interference

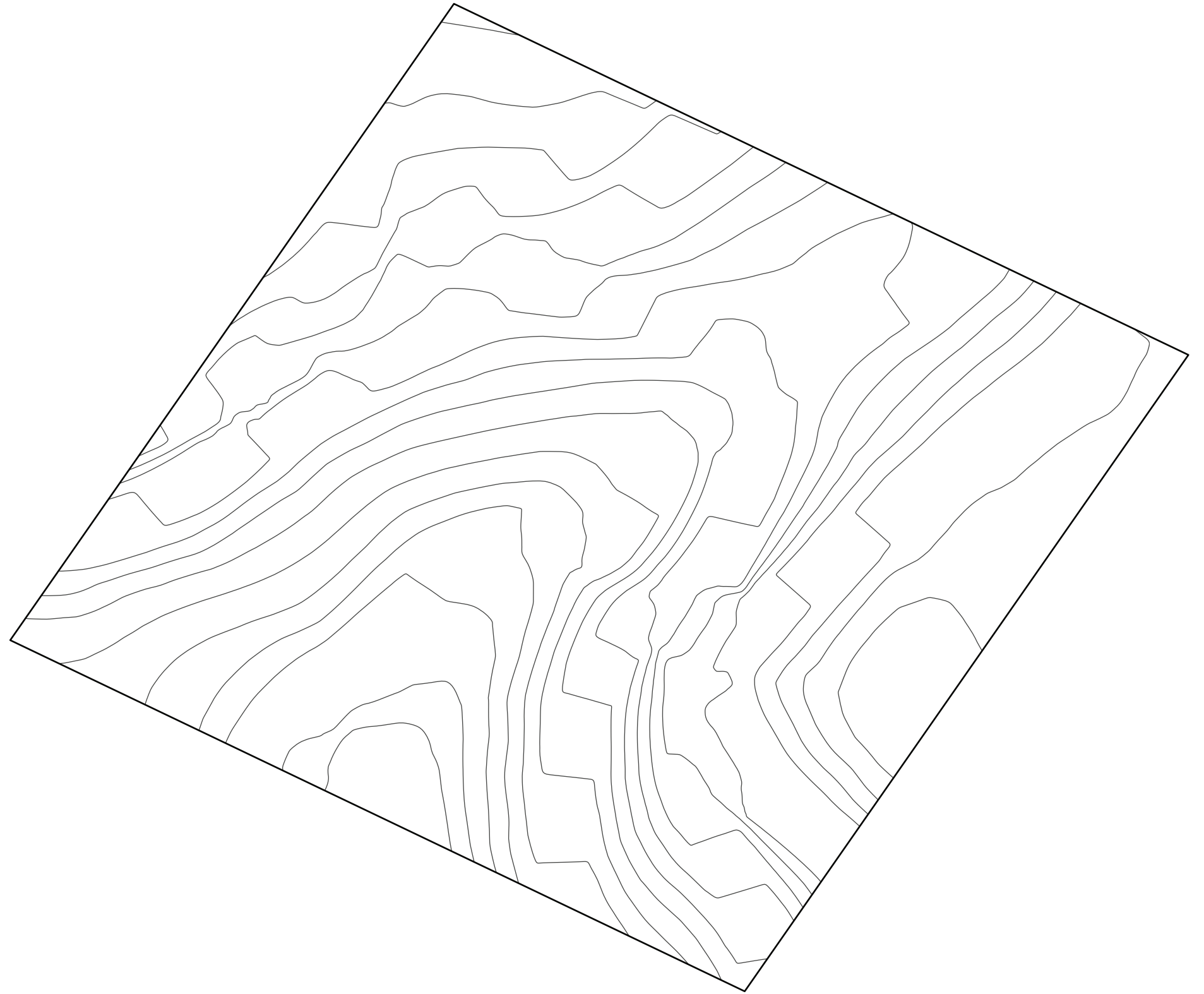
This project explores the variety that might be achieved when the natural physical properties of a site are allowed to push and pull the footprint of a typical grid-field of buildings into the ideal layout for that surface's topography. **The idea that the grid should be maintained regardless of topography is challenged.** The typical American suburban grid layout is low density, space is highly demarcated and personalized. The street is a completely separate entity from the buildings and buildings are disconnected. When affected by topography, these human constructs disappear.



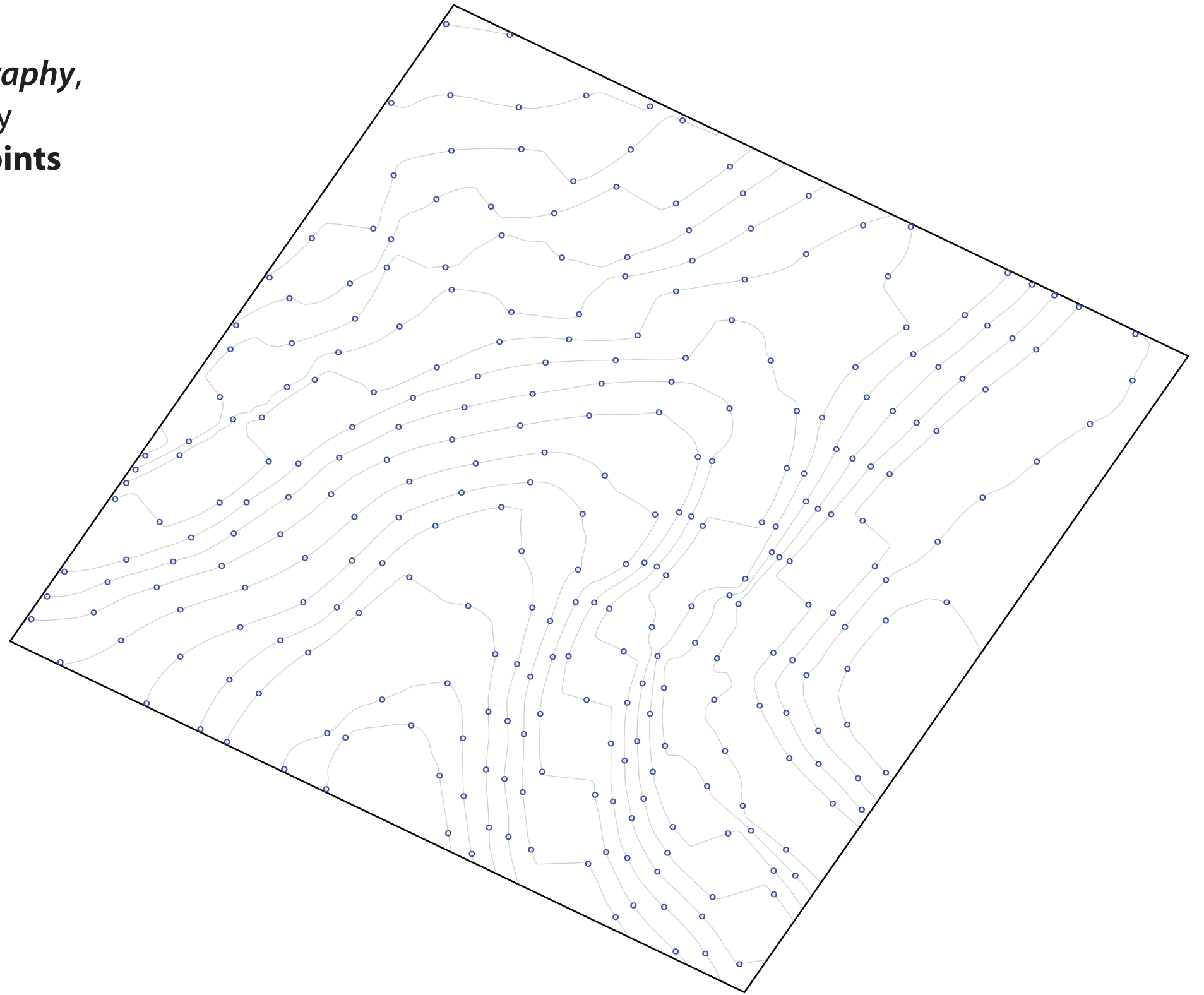
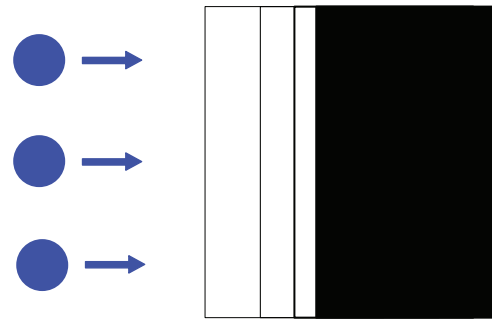
The **Typical American Suburban Grid** layout on flat land.



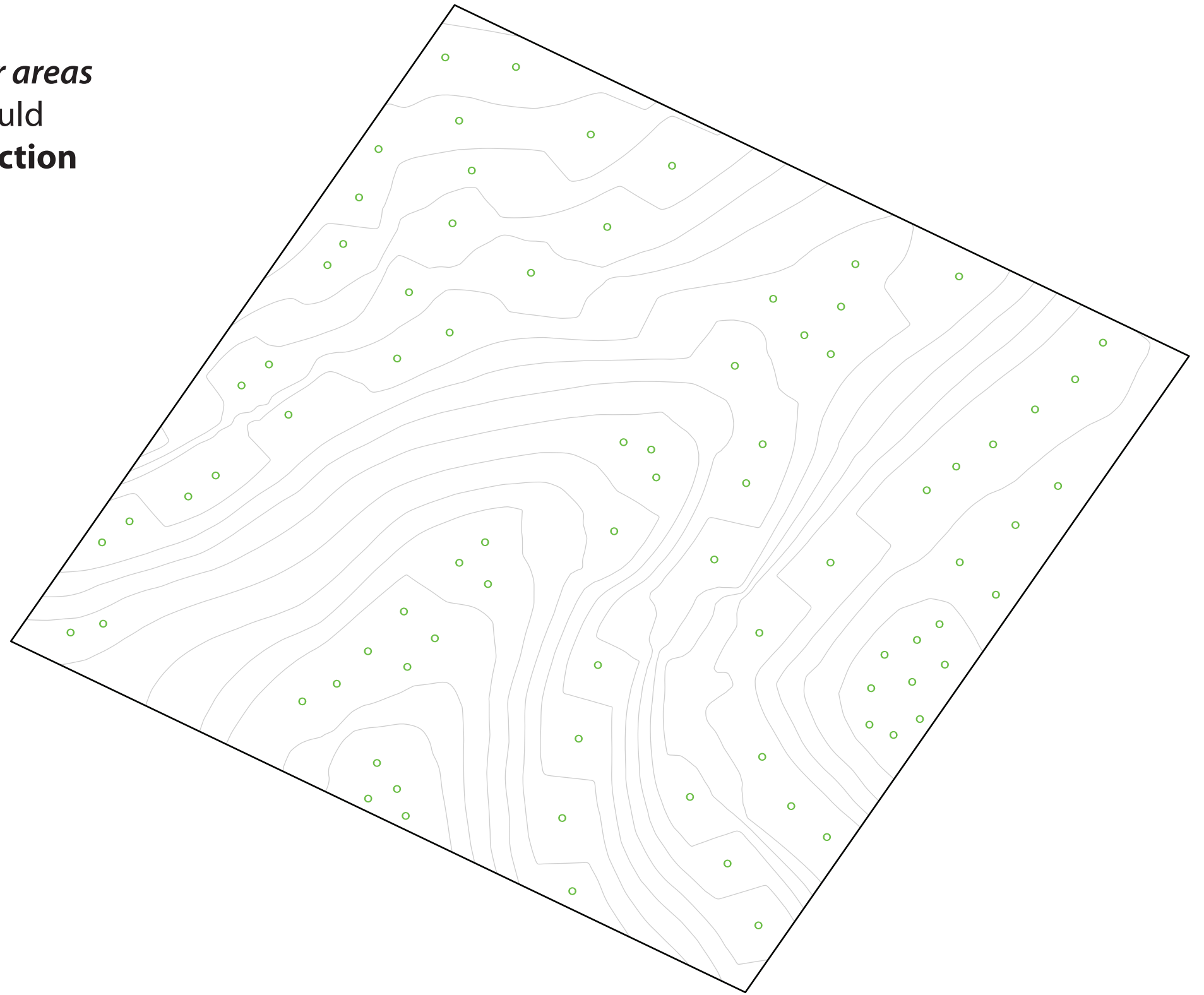
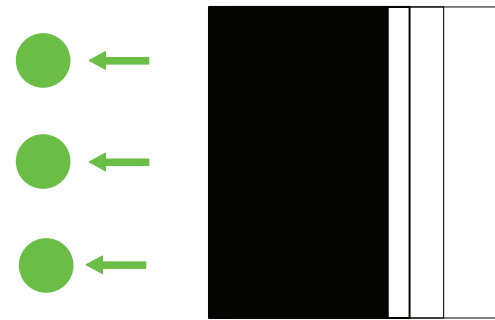
A **Topography** is introduced.



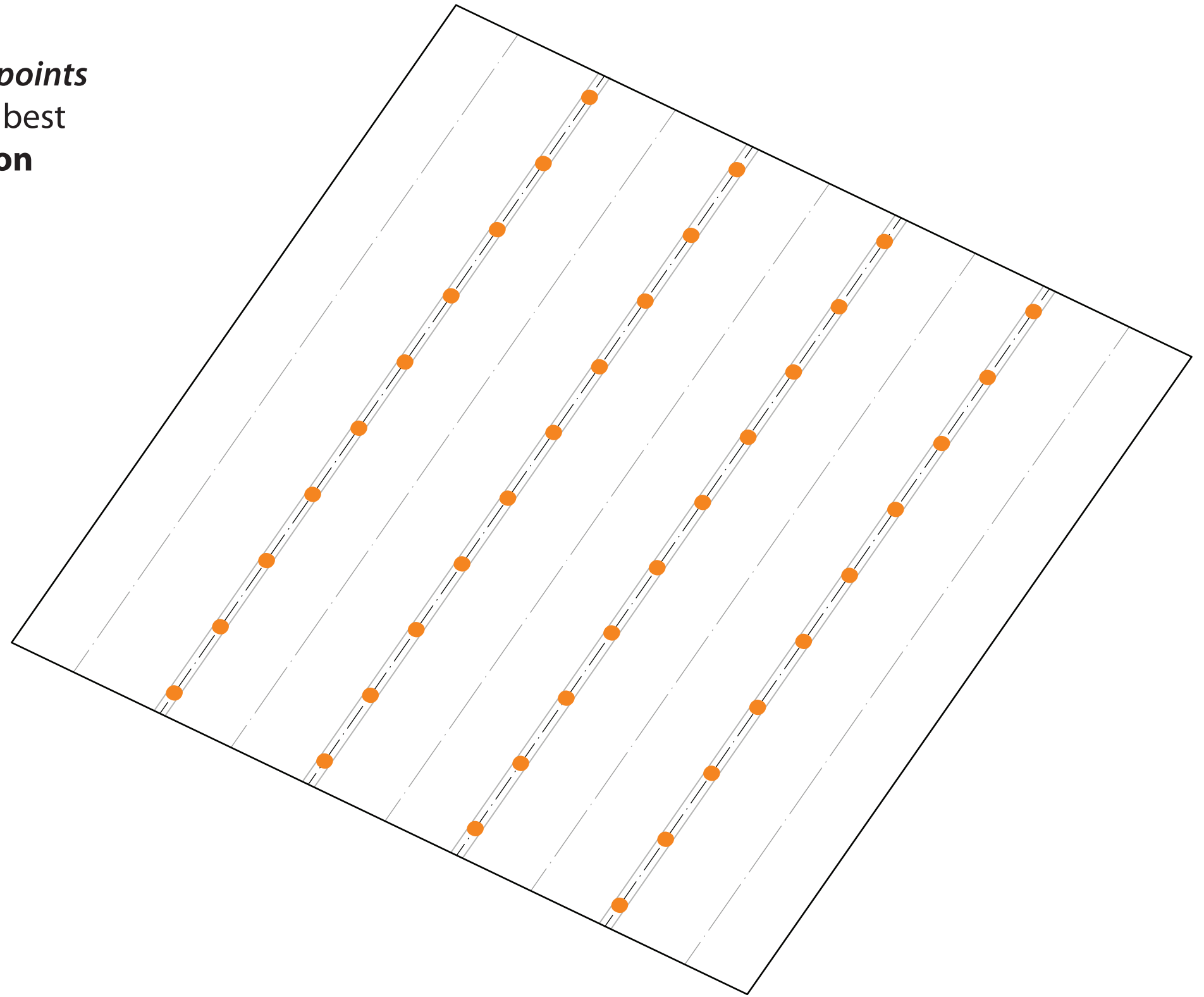
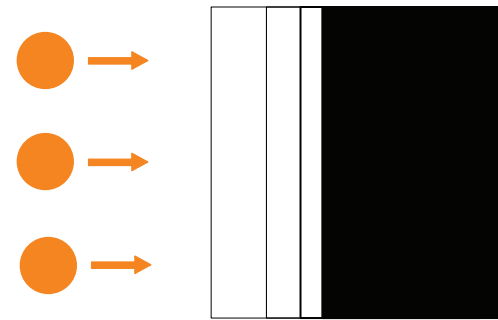
Repulsion points are placed on the *topography*, indicating that construction would naturally move away from steep areas. **Repulsion points push objects away.**



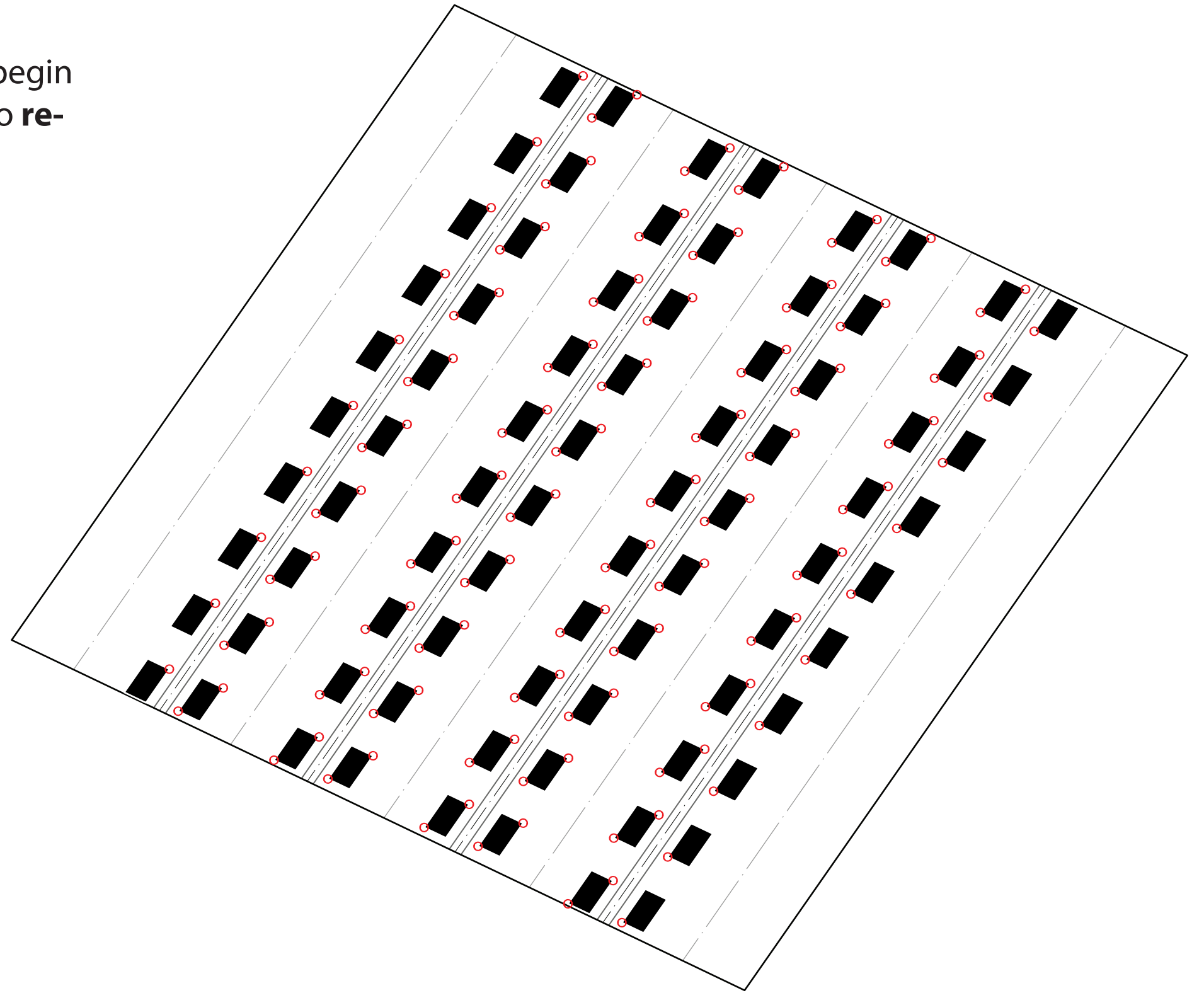
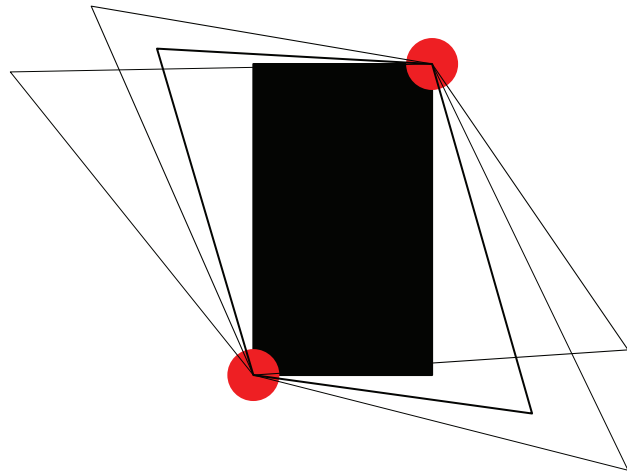
Attraction points are placed on the *flatter areas of the site*, indicating that construction would naturally move towards flatter areas. **Attraction points pull objects.**



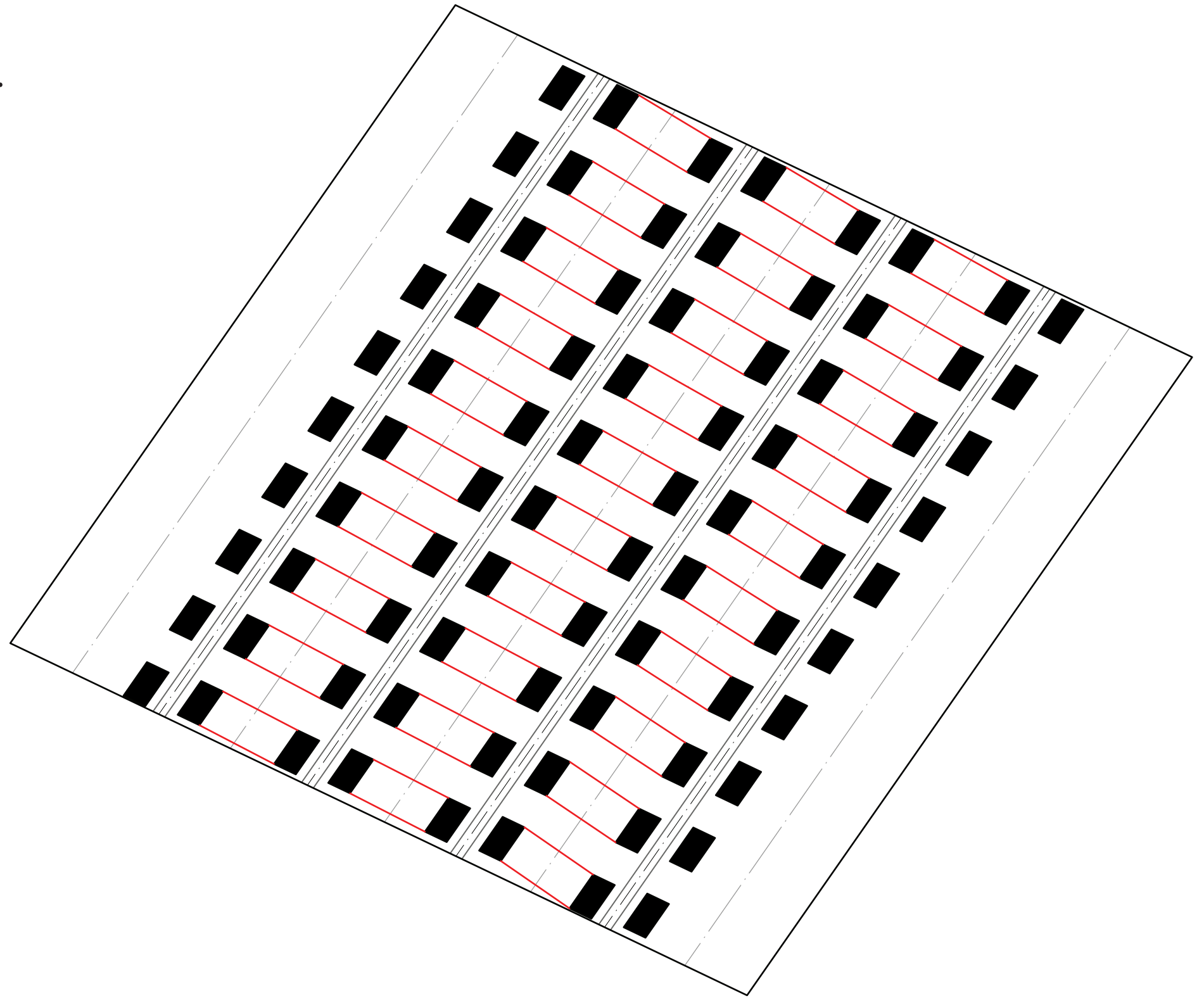
Repulsion points are placed at the *center points of streets*, indicating that vehicles function best when streets are free of obstacles. **Repulsion points push objects away.**



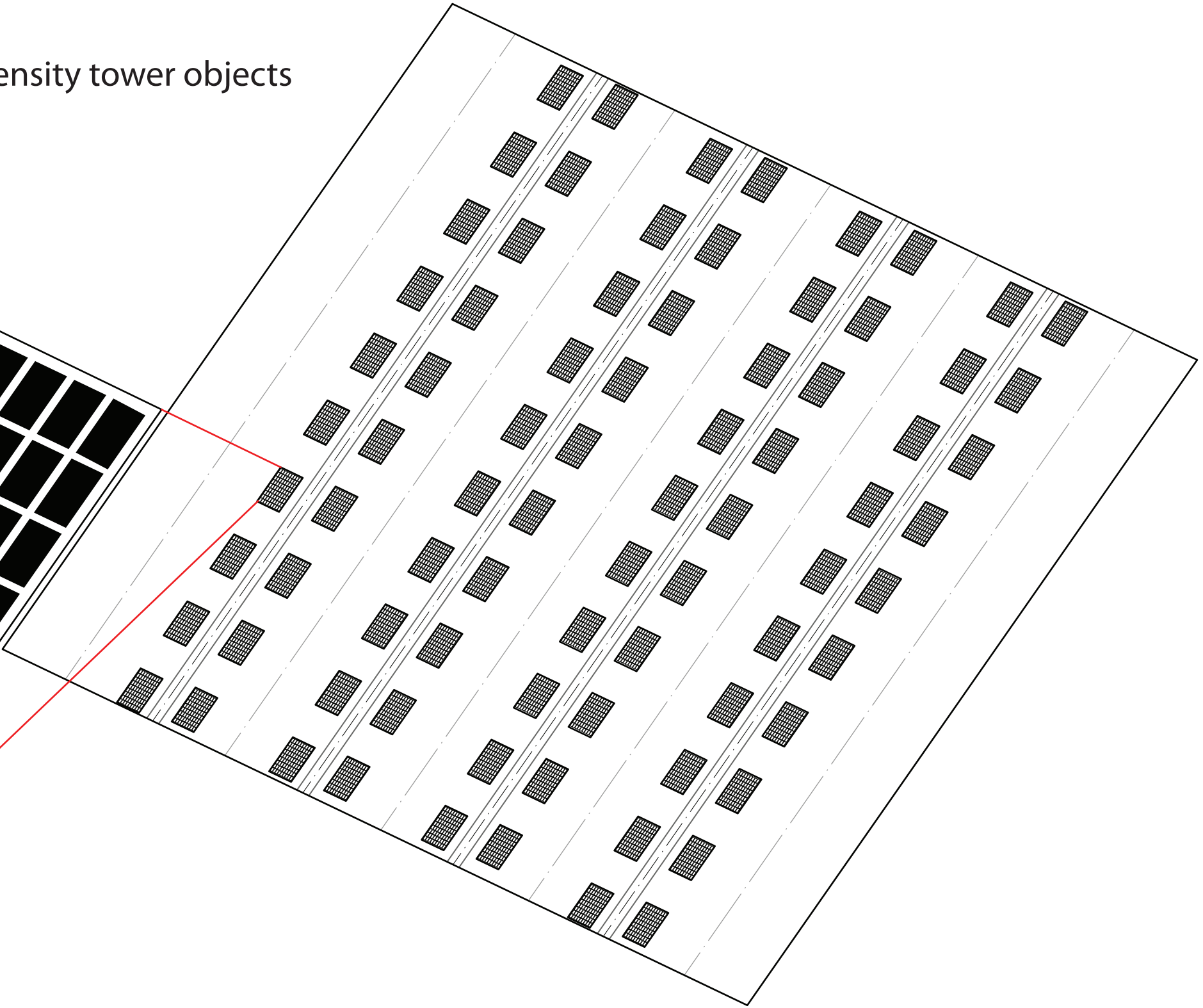
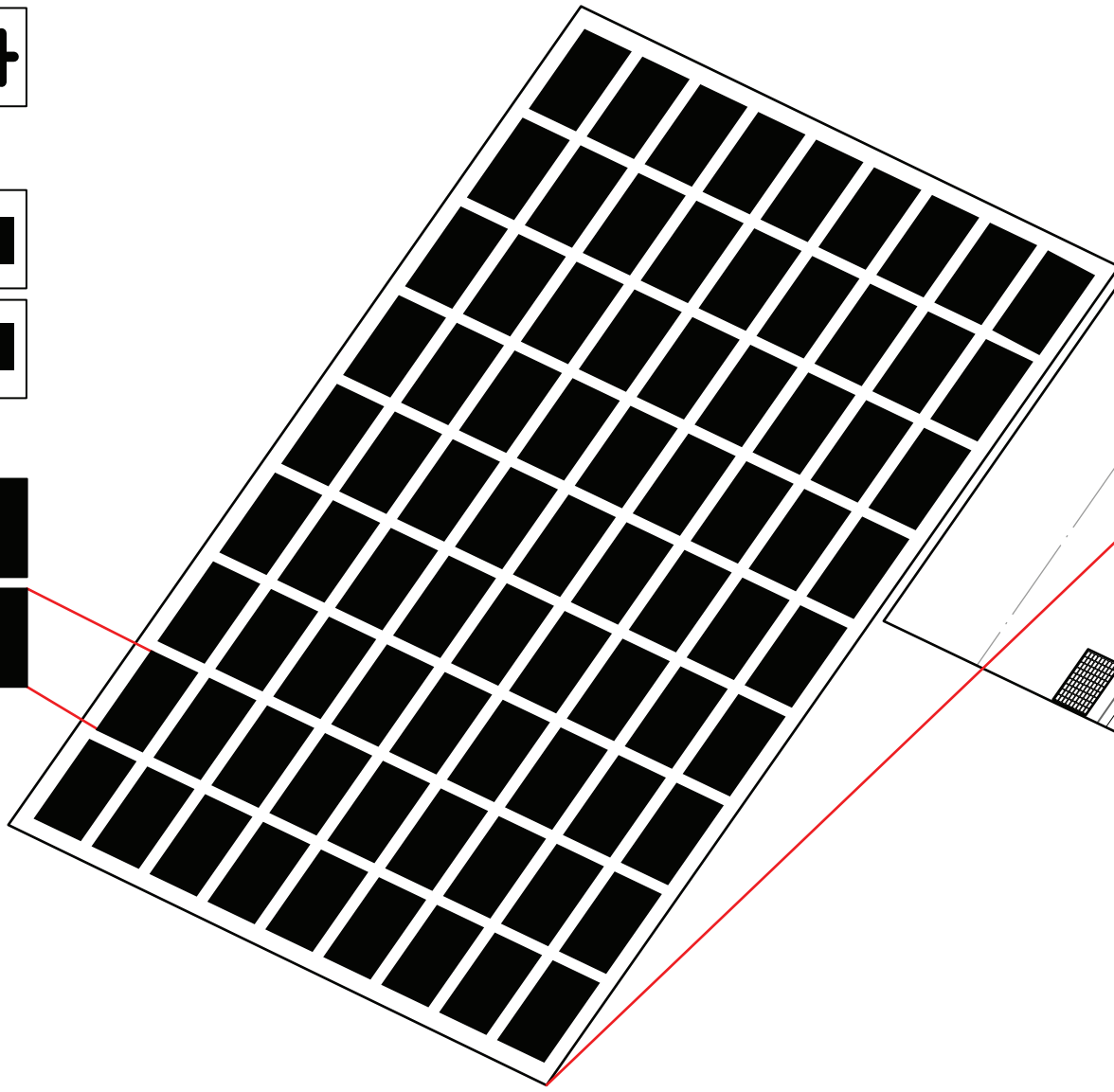
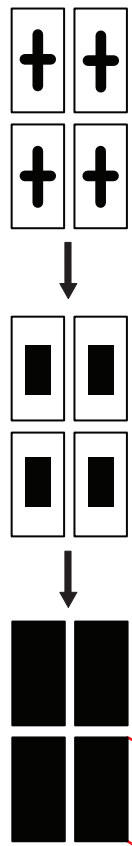
When the Attraction and Repulsion forces begin to act on objects, **Fixed points** are added to **restrict motion**.



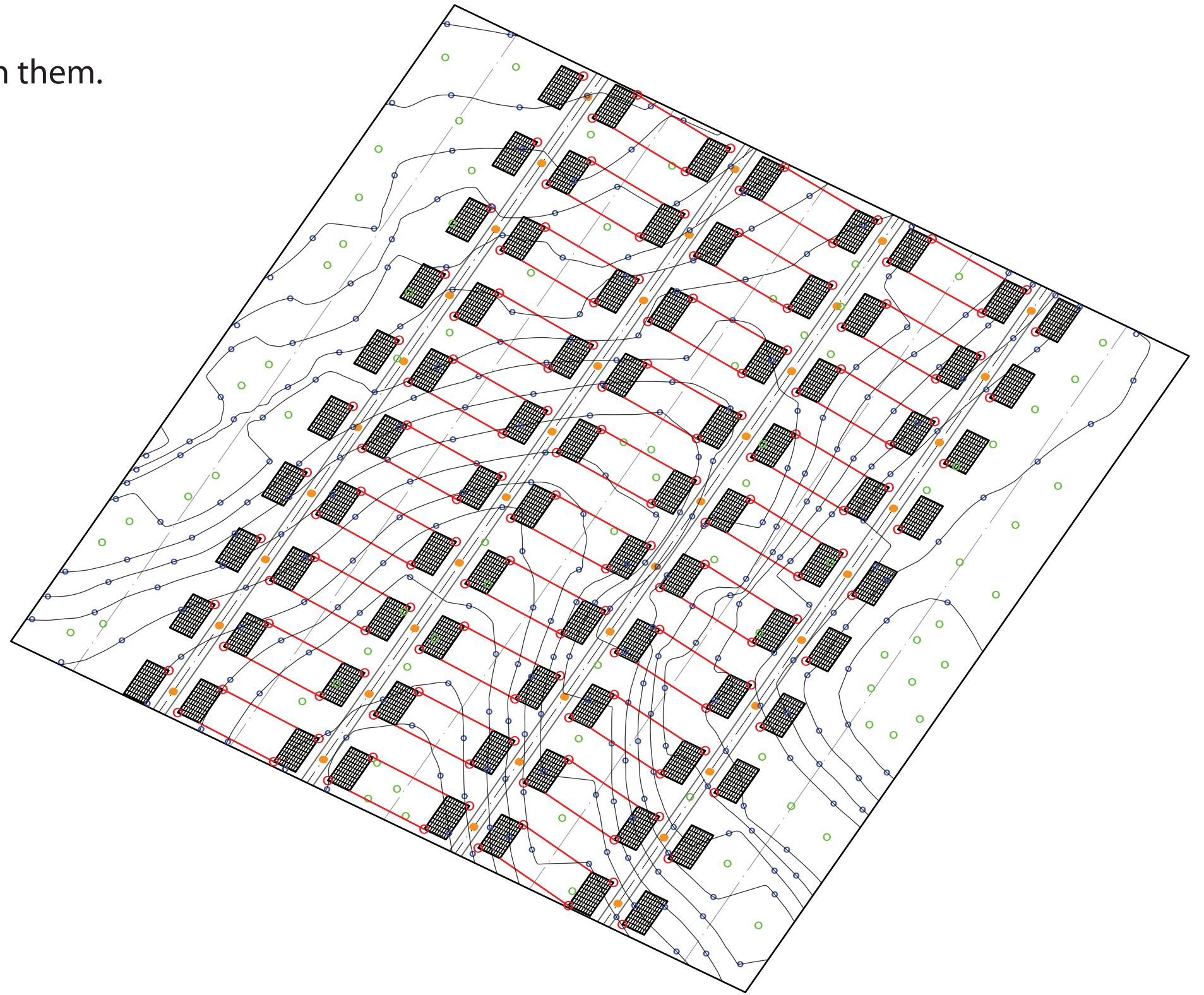
Tension lines *cross* ownership boundaries.



Modernism to its absurd extreme. High density tower objects placed in open space.



All objects and the forces that will act upon them.

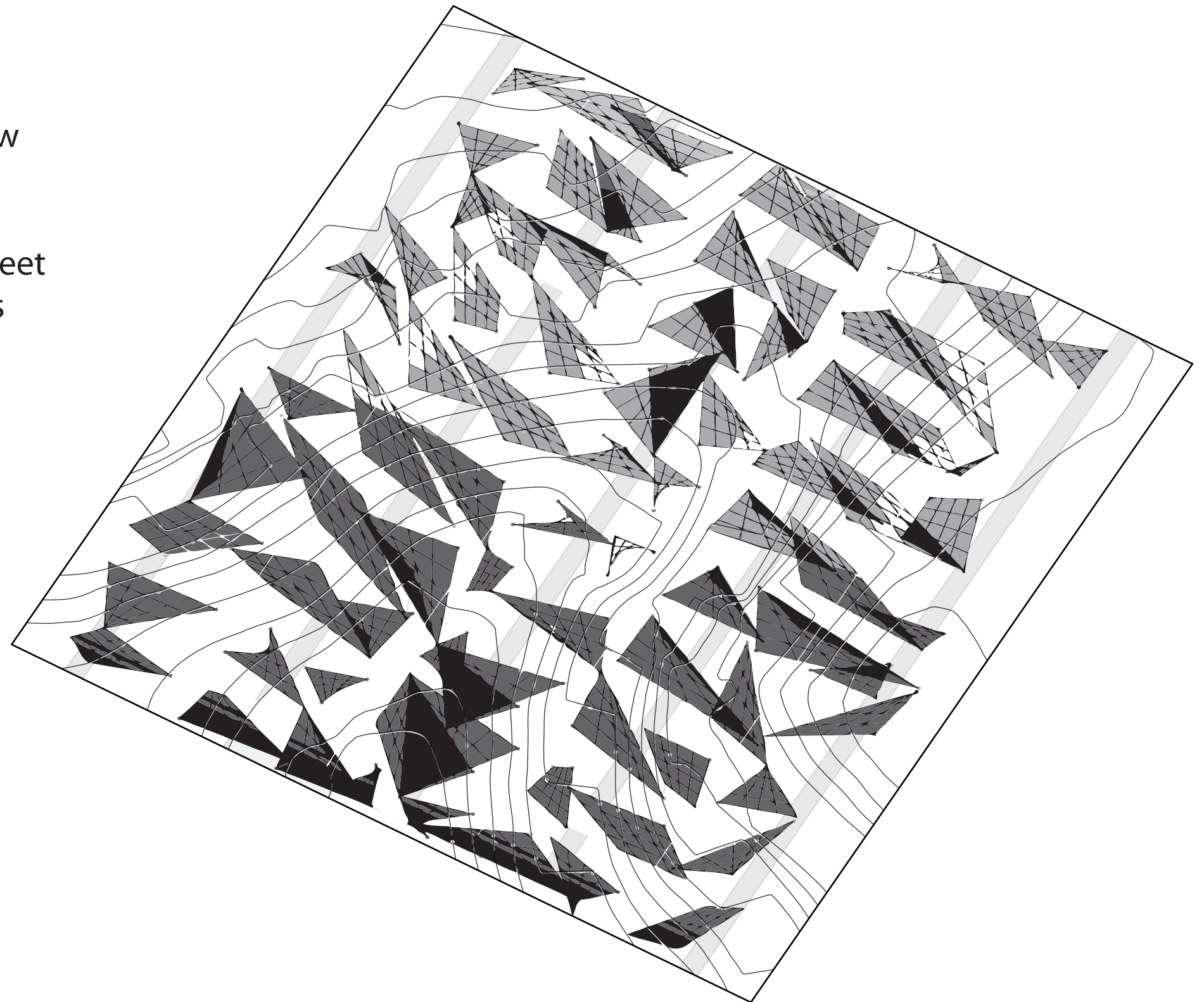


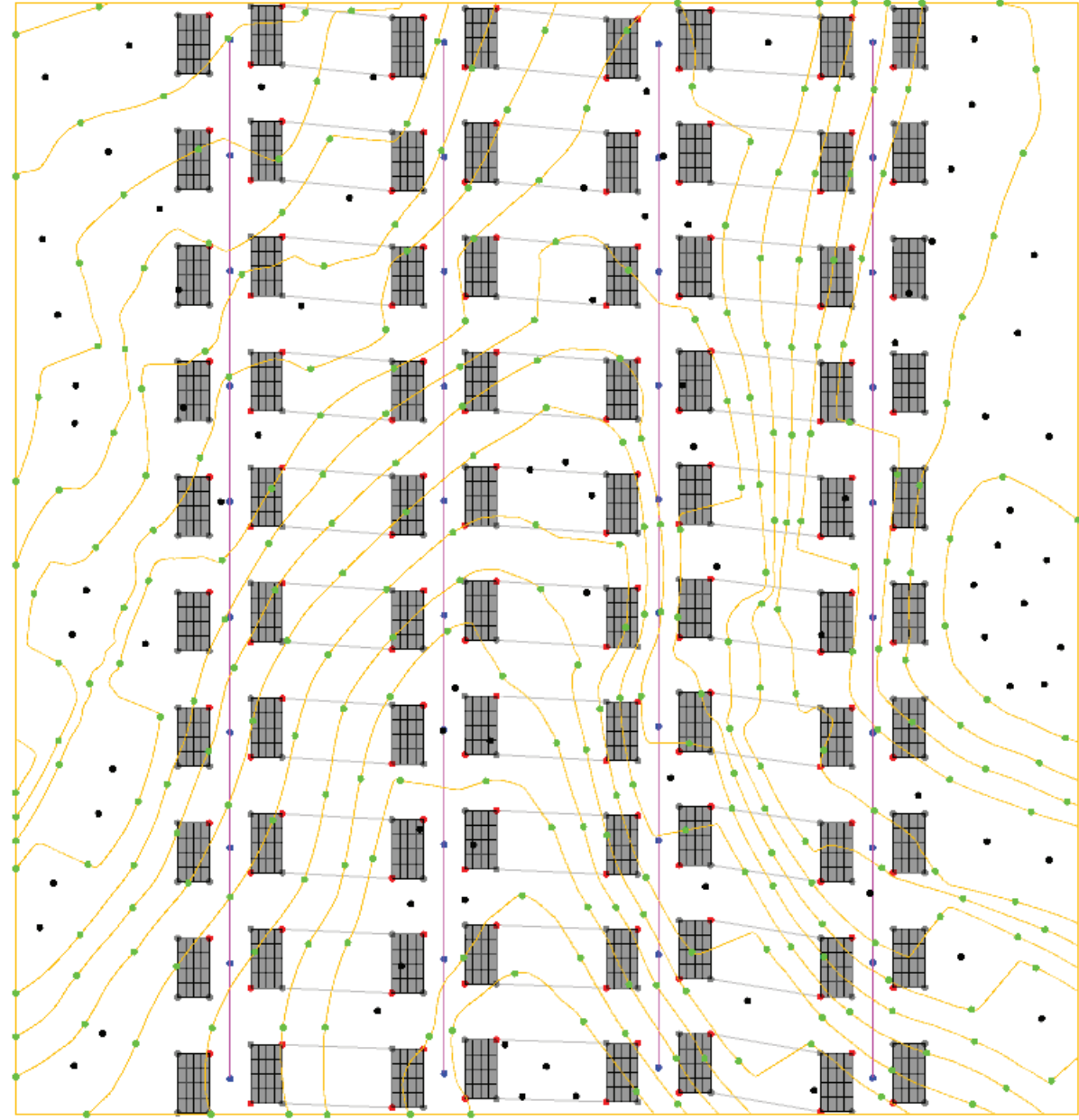
The resultant is:

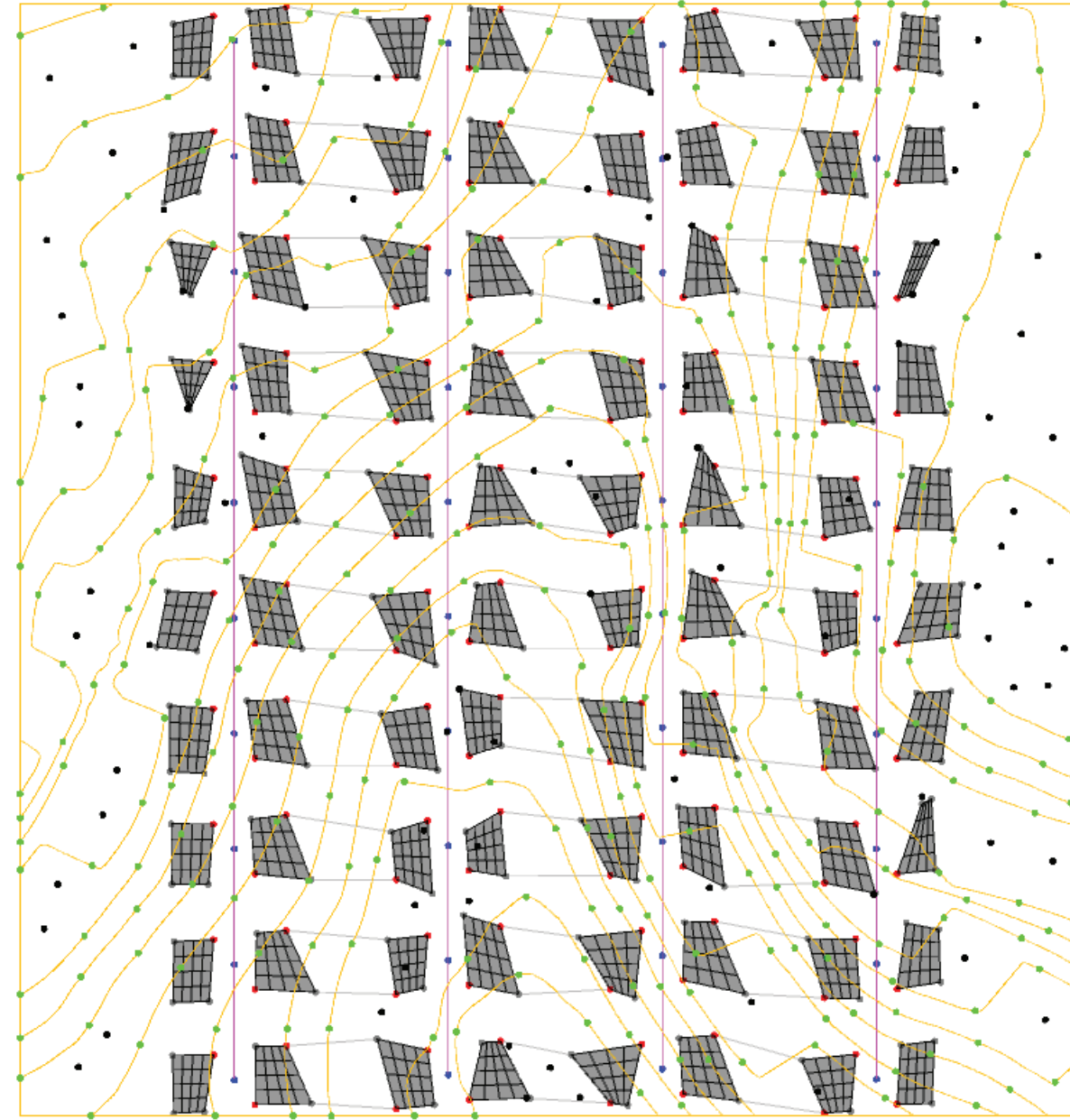
Higher density.

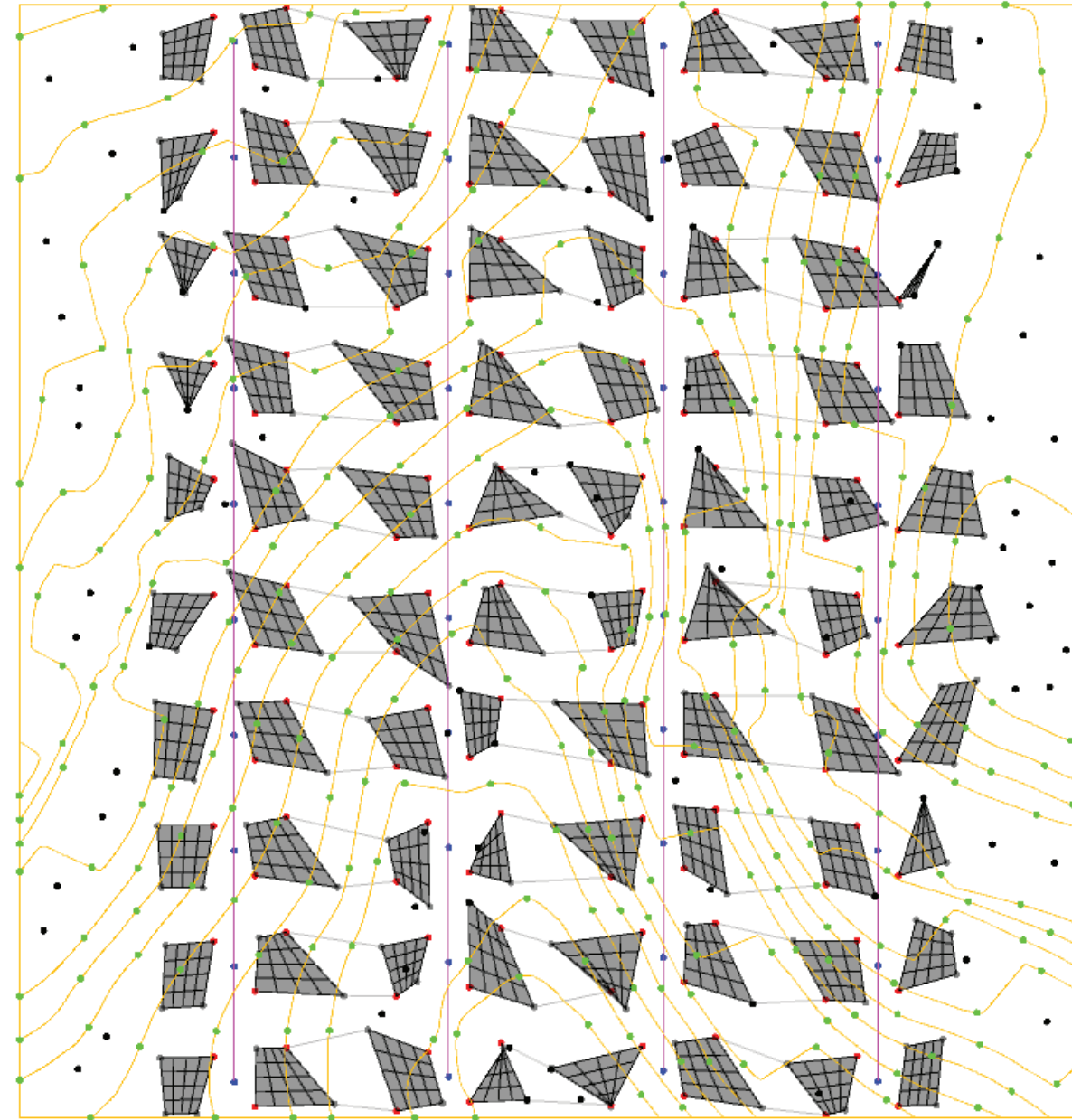
A combination of smaller structures to allow larger and more **varied program**.

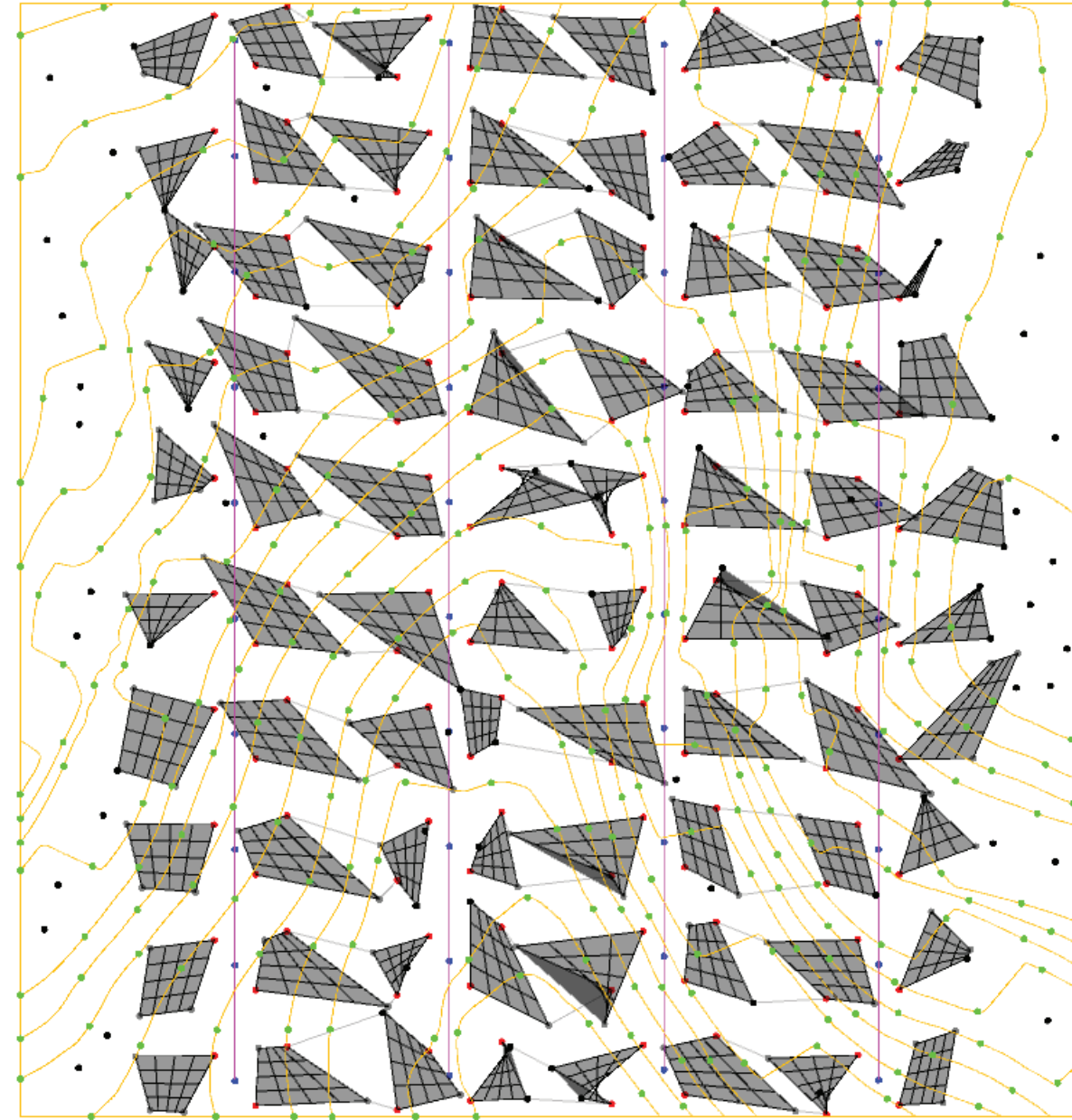
A **hybrid of street and road**, where the street continues through structures and connects multiple structures.

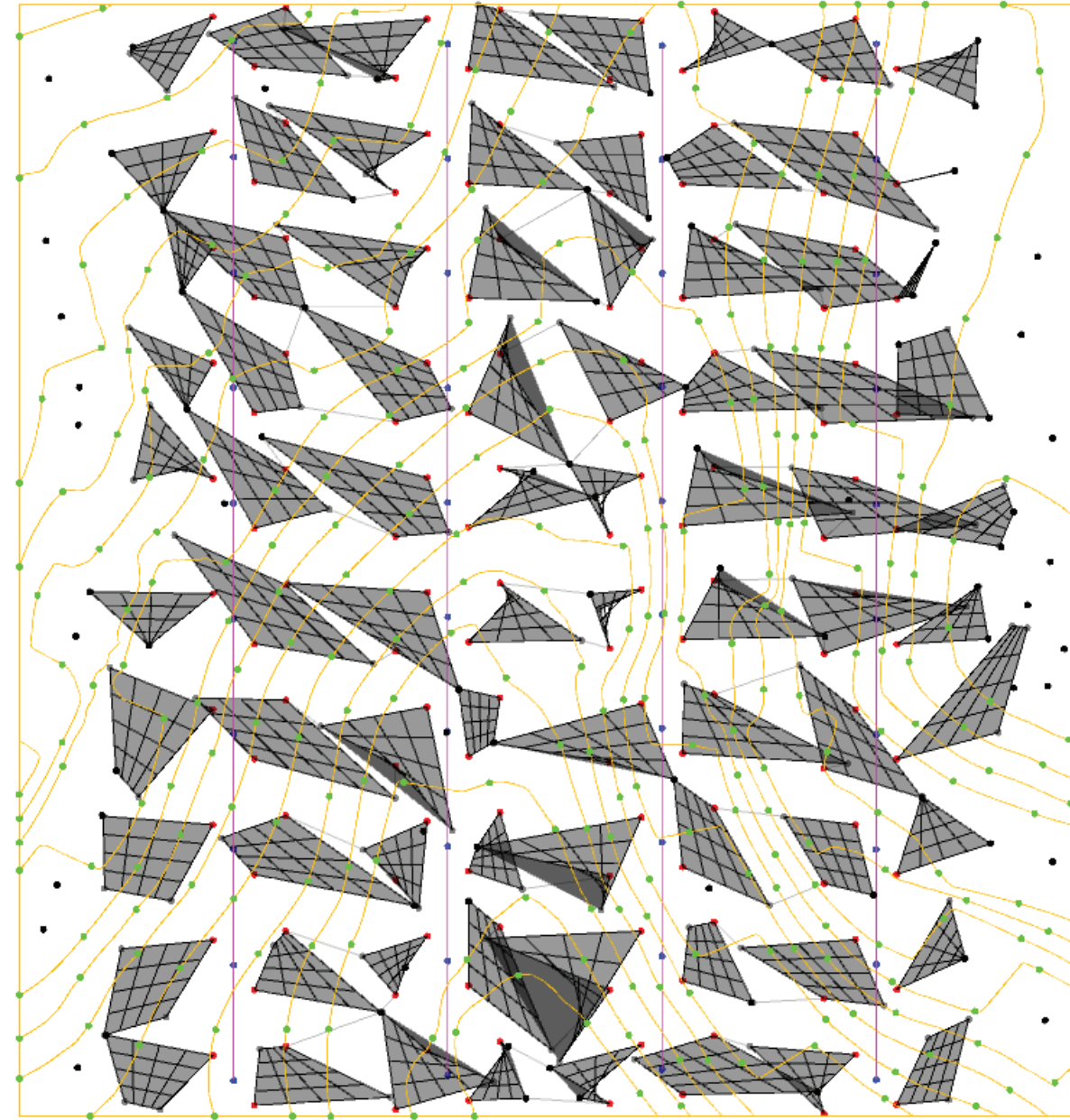


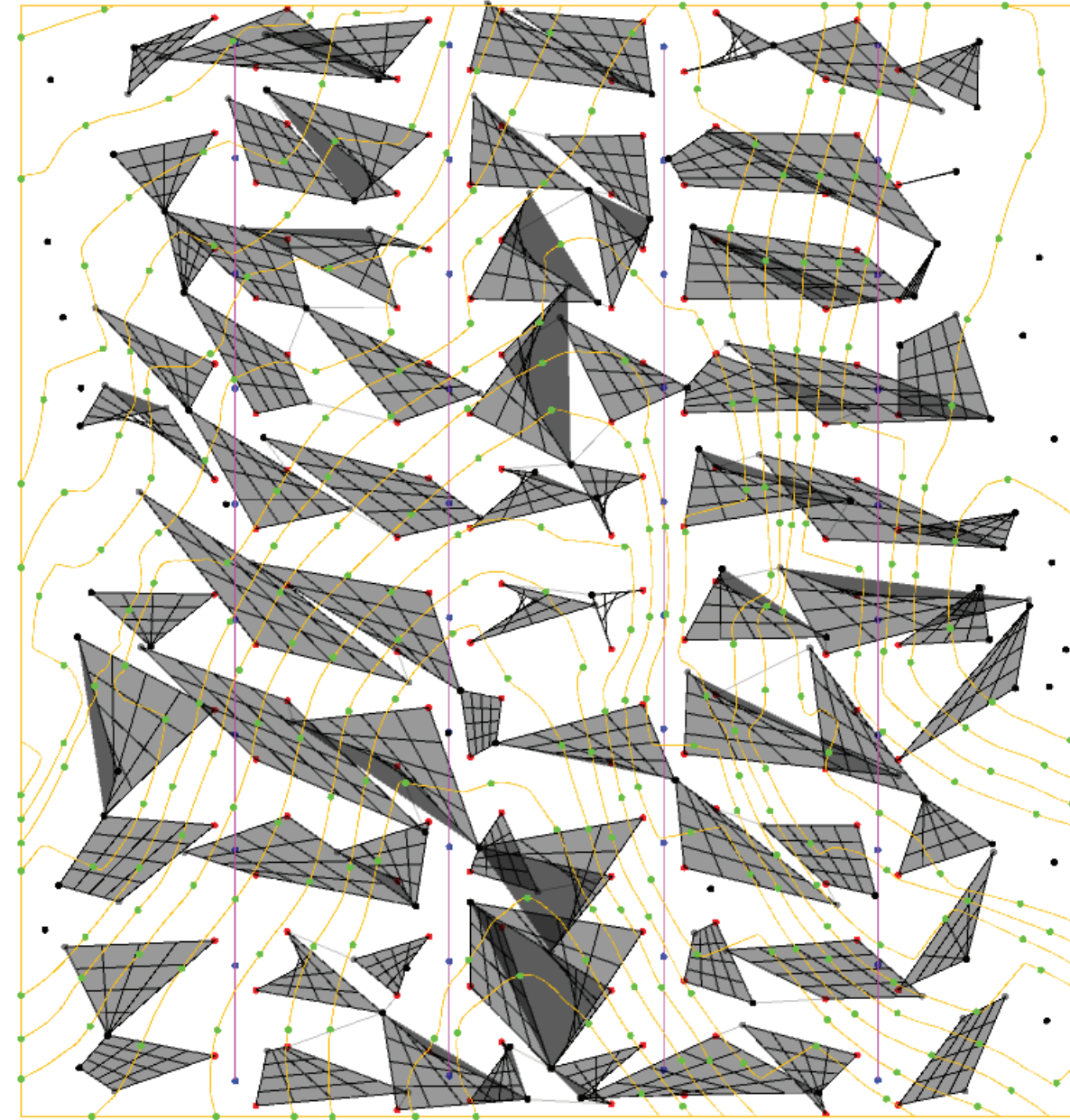




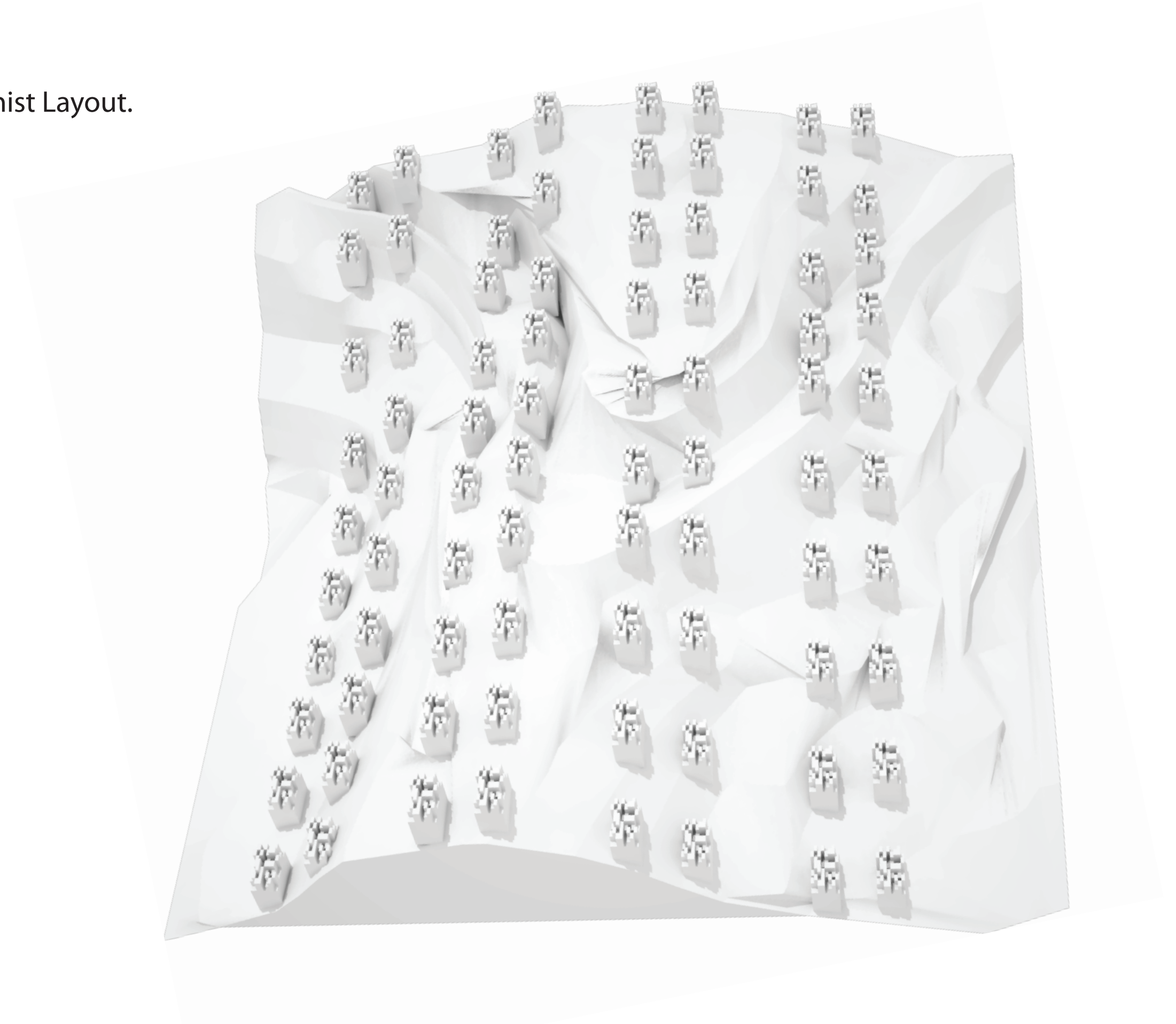








Low Density/ Extreme Modernist Layout.



High Density/ Site Dictated Layout

