

A woman with blonde hair tied back, wearing a black jacket over a white shirt, is leaning over a large, intricate model train set. The train set is built on a complex network of metal tracks that rise and fall in various directions, creating a multi-level structure. Numerous colorful toy trains are visible on the tracks. The background shows more of the track structure and some greenery, suggesting an indoor or semi-outdoor setting. The overall scene is one of a detailed and complex hobby project.

WEST UNIVERSITY PARK CAMPUS

A NEW METROPOLIS

AARON MICK

Hraztan Zeitlian - Citizenville - 10/21/13

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SYNOPSIS

Research for this project began as an investigation into the automotive culture of Los Angeles, and some of the problems brought about by this technology, while bearing in mind a consciousness about the effects of technology on the design process. Among a lack of coordinated urban development, many of citizen's complaints about living near USC or the Los Angeles area in general stem from an inconvenience of getting around, as well as a lack of private green space, or enjoyable outdoor space in general.

Other aspects of technology and urbanization quickly became a focus. It became clear that the westward expansion of USC's campus needed to be bolstered by hearty upgrades to infrastructure, including public transportation, and the re-introduction of water and agriculture back into the LA landscape. The need to be able to have a variety of reliable transportation alternatives became a priority, alongside the development of self-sustaining agriculture, and defensible spaces that offer private lawns and access to natural light and ventilation.

Images and plans were drawn from a variety of sources and projects possessing design features with special regard toward technology, transportation membranes, and self-sustaining agriculture. Among those selected are projects focusing on the direct relationship between the self-sustaining technology or concept and the literal form of the building. Metabolism in architecture became a precedent for initial selection of example plans, and generation of preliminary modular forms based on programmatic function.

As development of the master plan continued, greater attention was paid to overall massing of the site and macroscopic patterns in relation to the main transportation arteries and their connections to existing campus infrastructure and hotspots. A new urbanization design force rose, one that aimed to add density to the site near existing busy thoroughfares, while reserving a low-density central greenscape hosting parkland and agriculture.

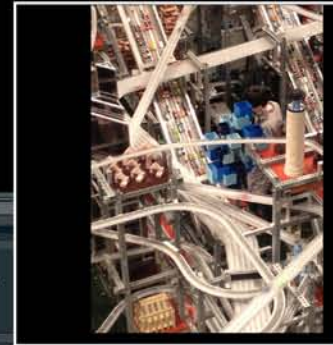
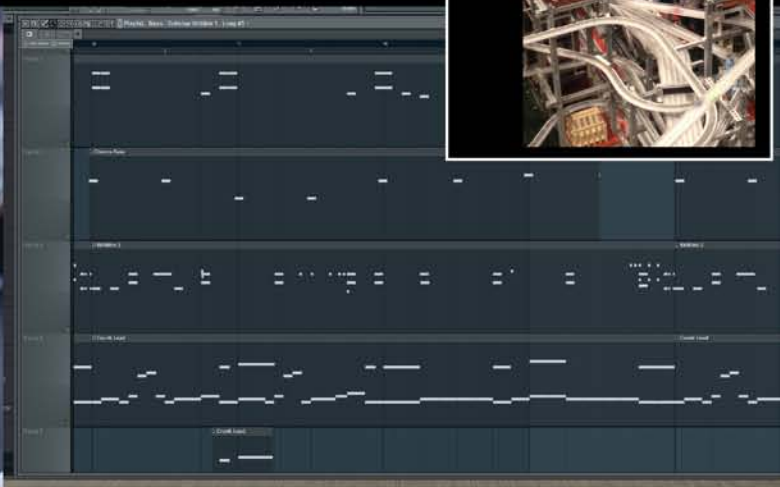
Further development of this concept continued in the refinement of the NorthEast Live/Work complex, featuring high density housing placed over a retail center, all with areas of green refuse throughout. The purpose of this building is to serve as a model of site design forces at an architectural level. On the ground floor, pedestrian and vehicular traffic circle retail storefronts, while above residential towers provide impressive views and open-air benefits.

In total, the project describes an approach that can be used to increase density in the western USC neighborhood, while at the same time not decreasing, but actually increasing the amount of usable greenspace also. Research, exhibition, and even commercial and retail spaces are placed to work in harmony with housing arrangements, transportation infrastructure, and outdoor areas, rather than in conflict.

WEST UNIVERSITY PARK CAMPUS



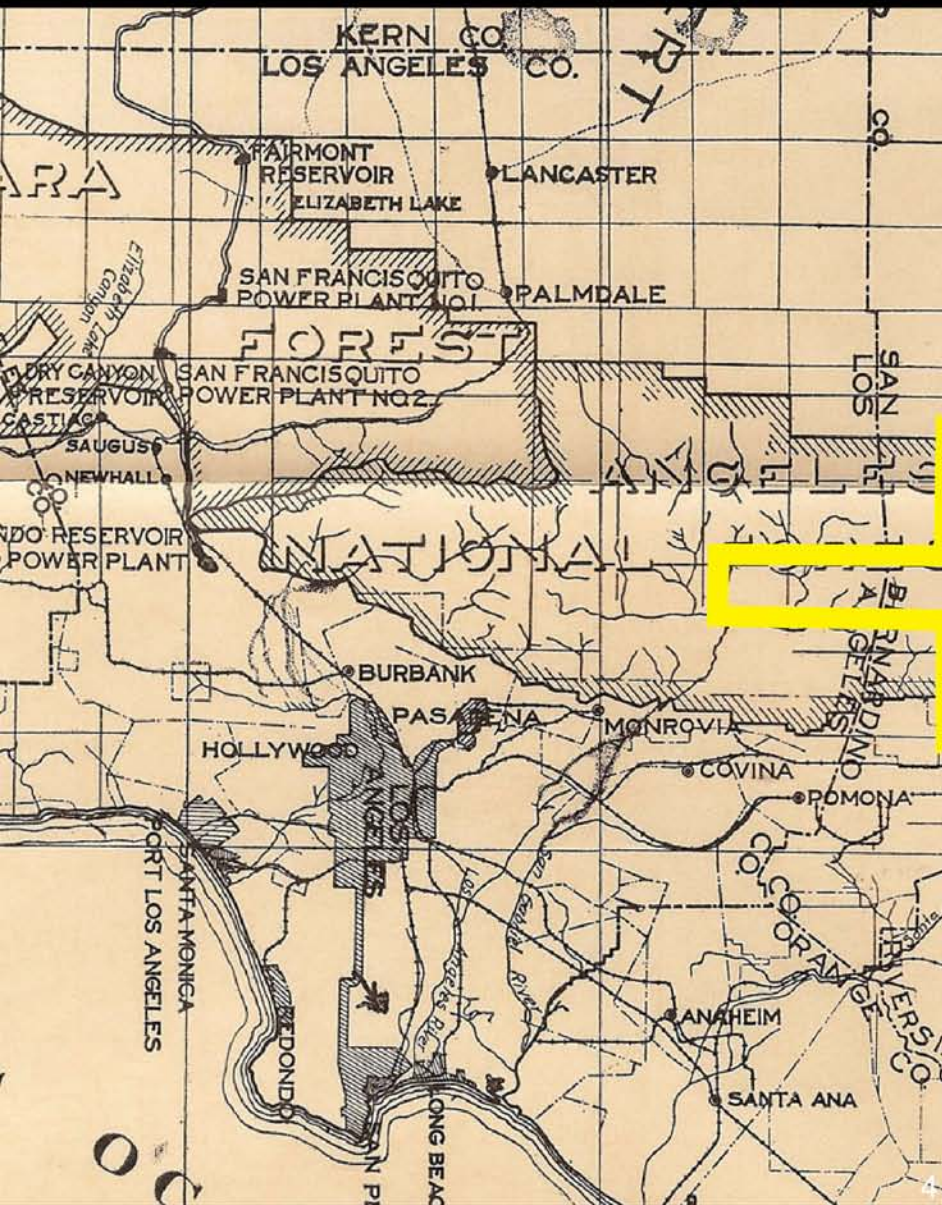
It used to be that you needed all this to create the sound of an orchestra...



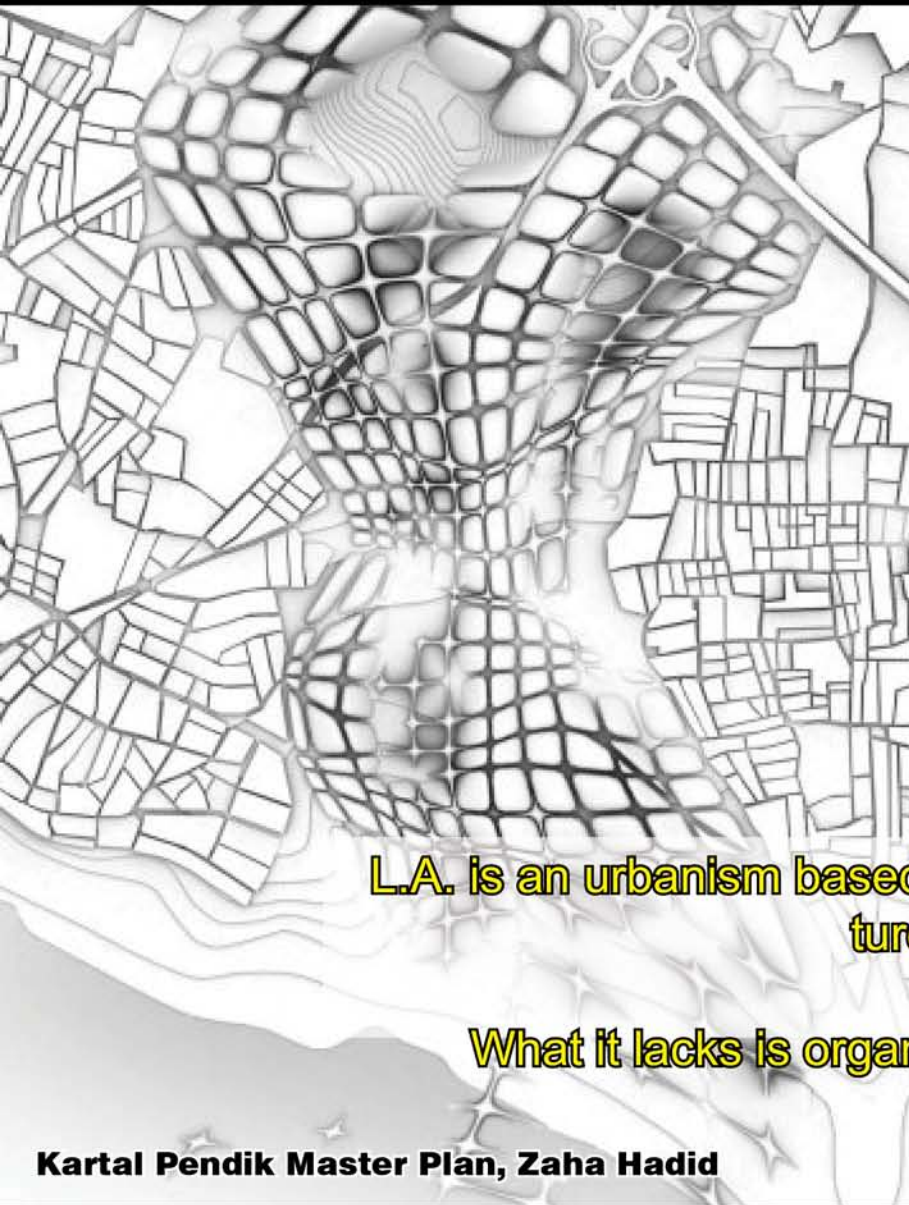
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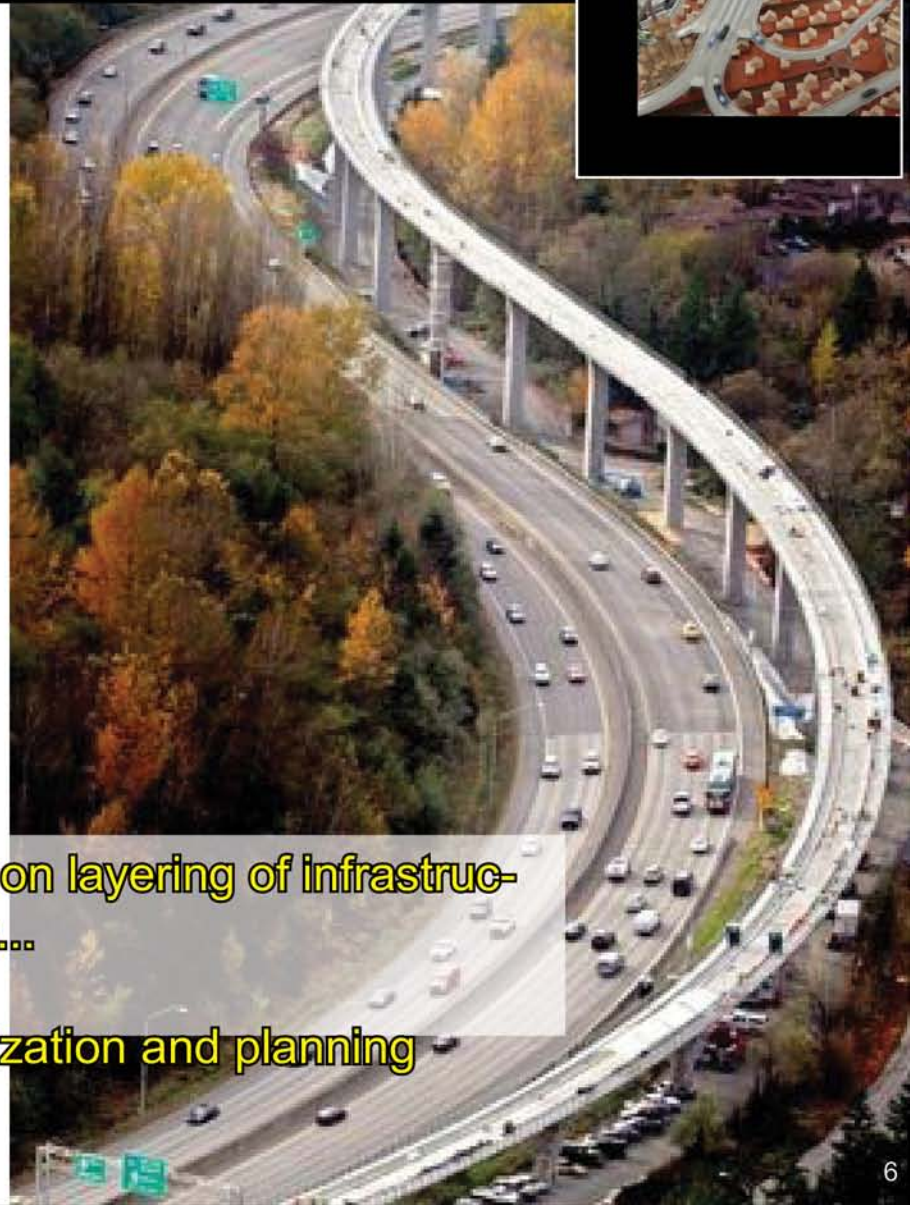
WEST UNIVERSITY PARK CAMPUS

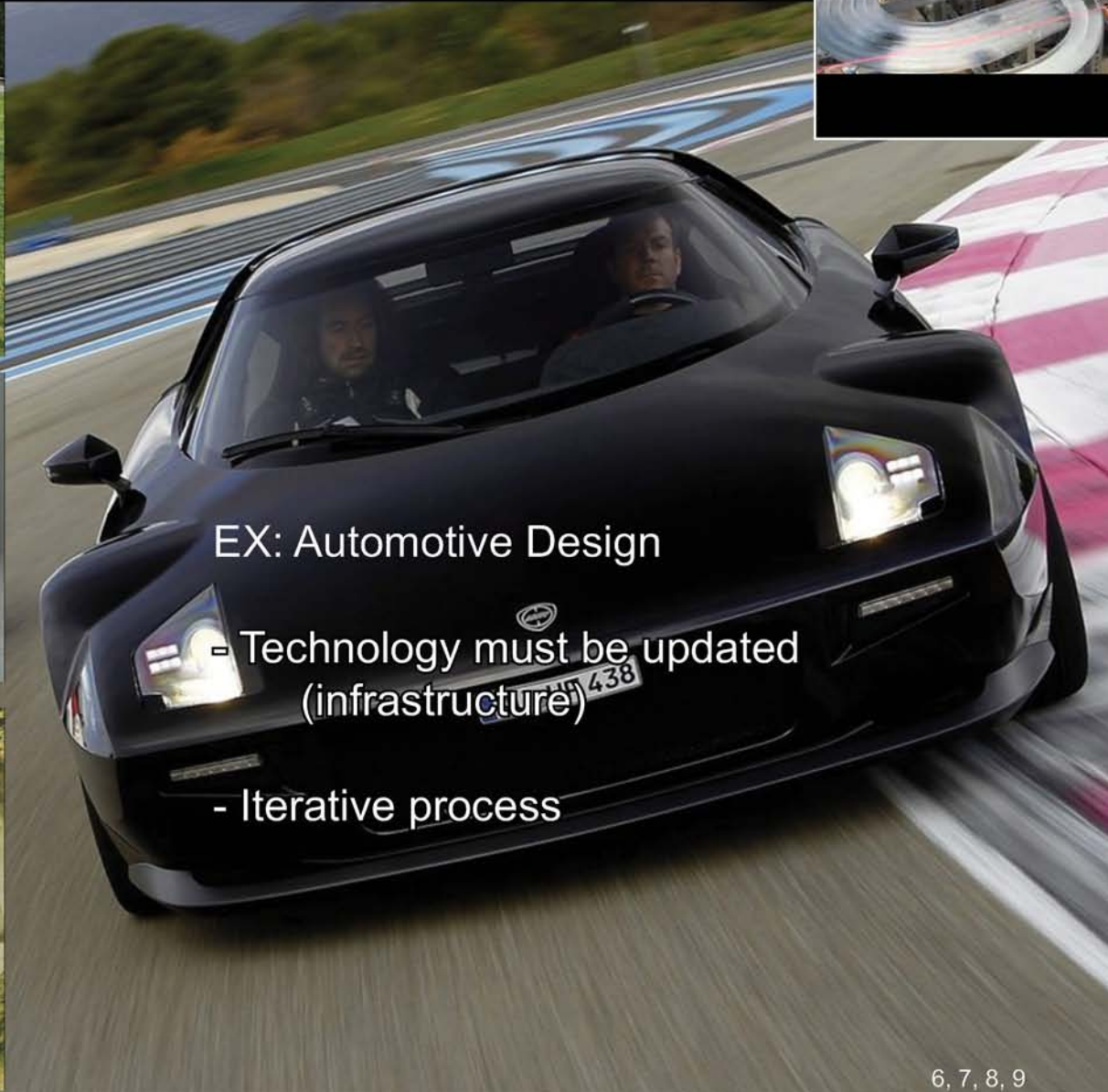


L.A. is an urbanism based on layering of infrastructure...

What it lacks is organization and planning

Kartal Pendik Master Plan, Zaha Hadid

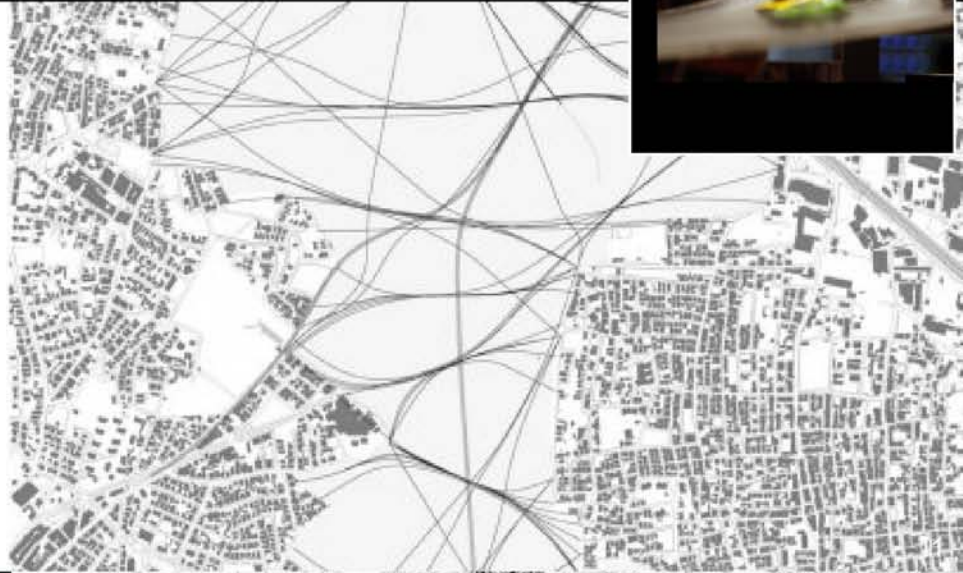




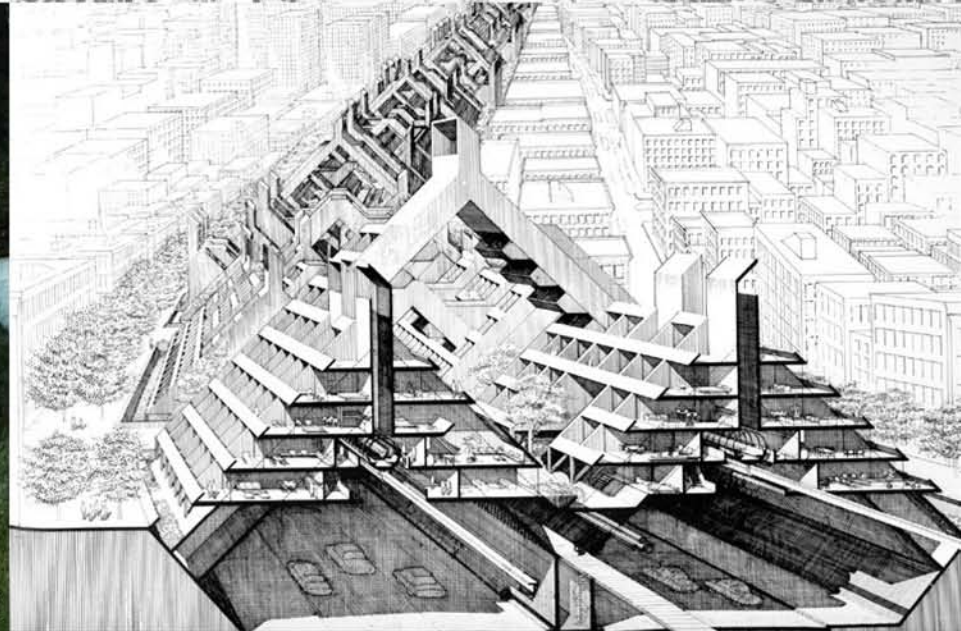
6, 7, 8, 9

TRANSPORTATION

- Connects everything
- Accessible at any level
- Primary, secondary, tertiary modes



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TECHNOLOGY

- Dynamic Infrastructure: Building acts as a mainframe for devices/terminals, and individuals within
- Buildings act as nodes/modules in larger campus mainframe (including transportation systems)



SELF-SUSTAINABILITY

- Community agriculture, arts, and entertainment
- Take advantage of natural energy, efficient design
- Parks/greenscapes prevalent throughout



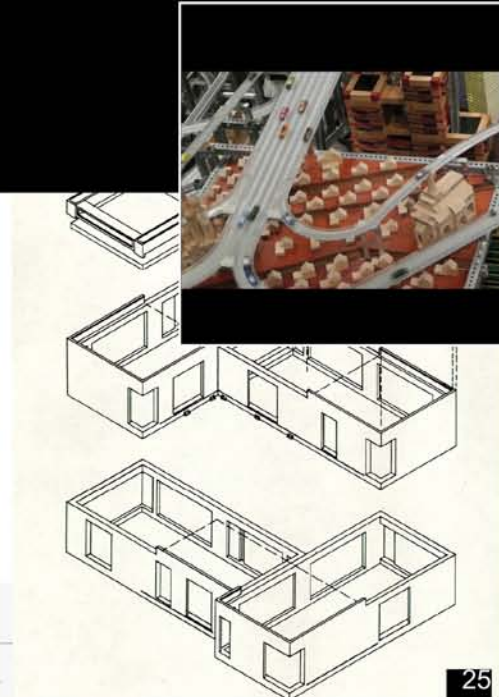
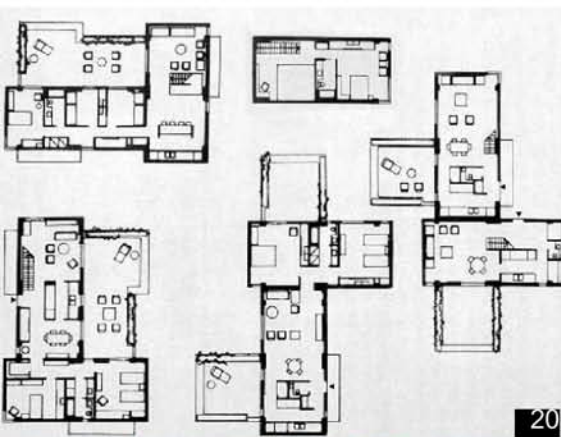
MODULAR GROWTH

- Expandable, possibly pre-fab
- Detail at any scale
- Moveable parts, modifiable, upgradable



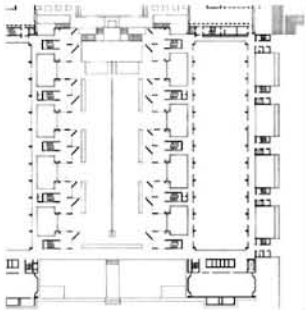
HOUSING

- Modular/prefab (all locations, styles, type)
- Variation in style, type (low to high rise, rural to suburban, private to communal).
- Can be Ribbon or Nodal in layout

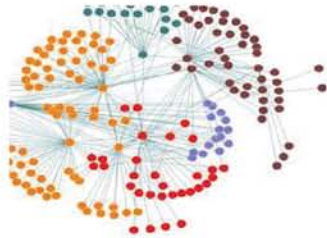


RESEARCH + EXHIBITION SPACES

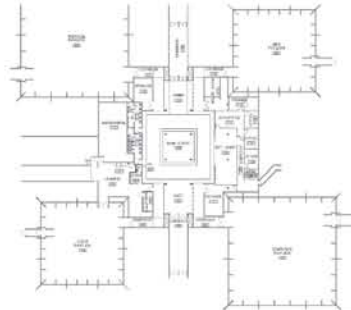
- Exhibit spaces act as gathering Nodes between research modules
- Multi-pupose space: Research, classrooms, exhibition, religious facilities, labs.



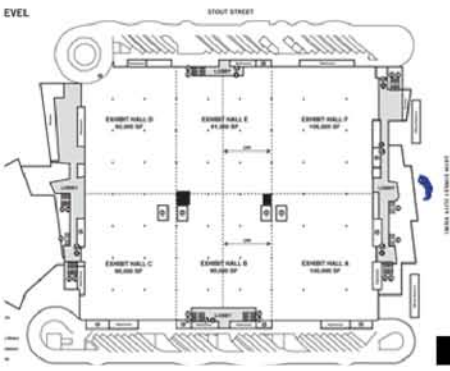
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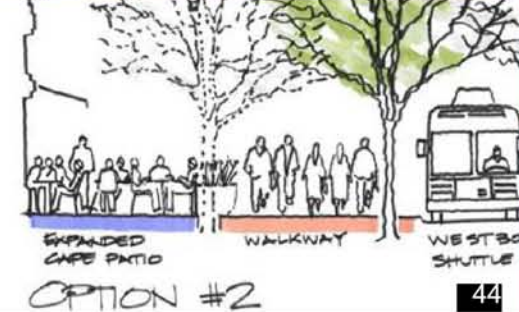
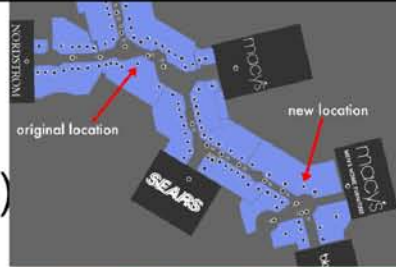
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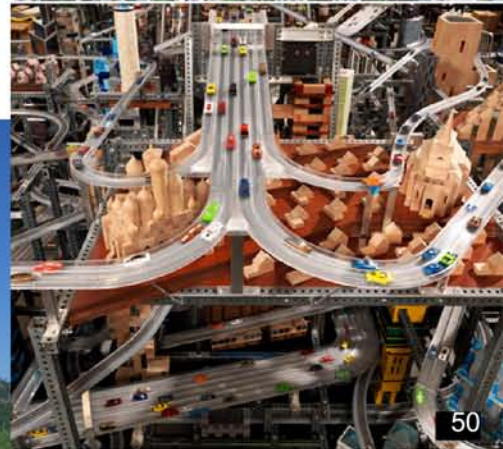
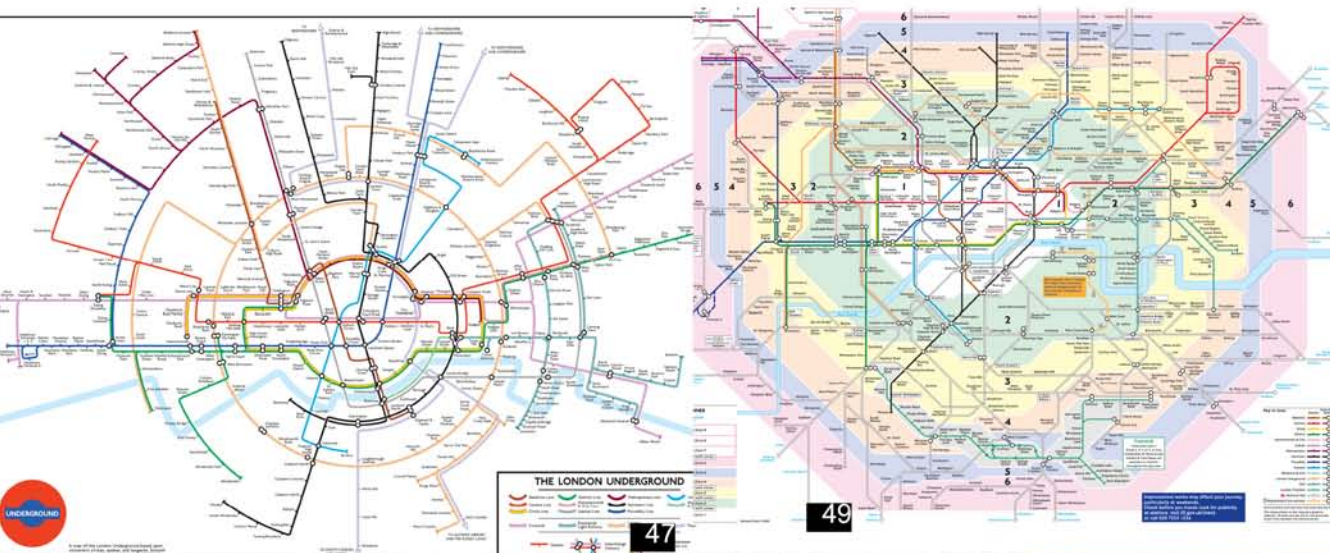
RETAIL + RECREATION

- Hospitality (cafes, markets, clinics)
- Sports facilities, theatres
- Open to public, outdoor connections, student businesses

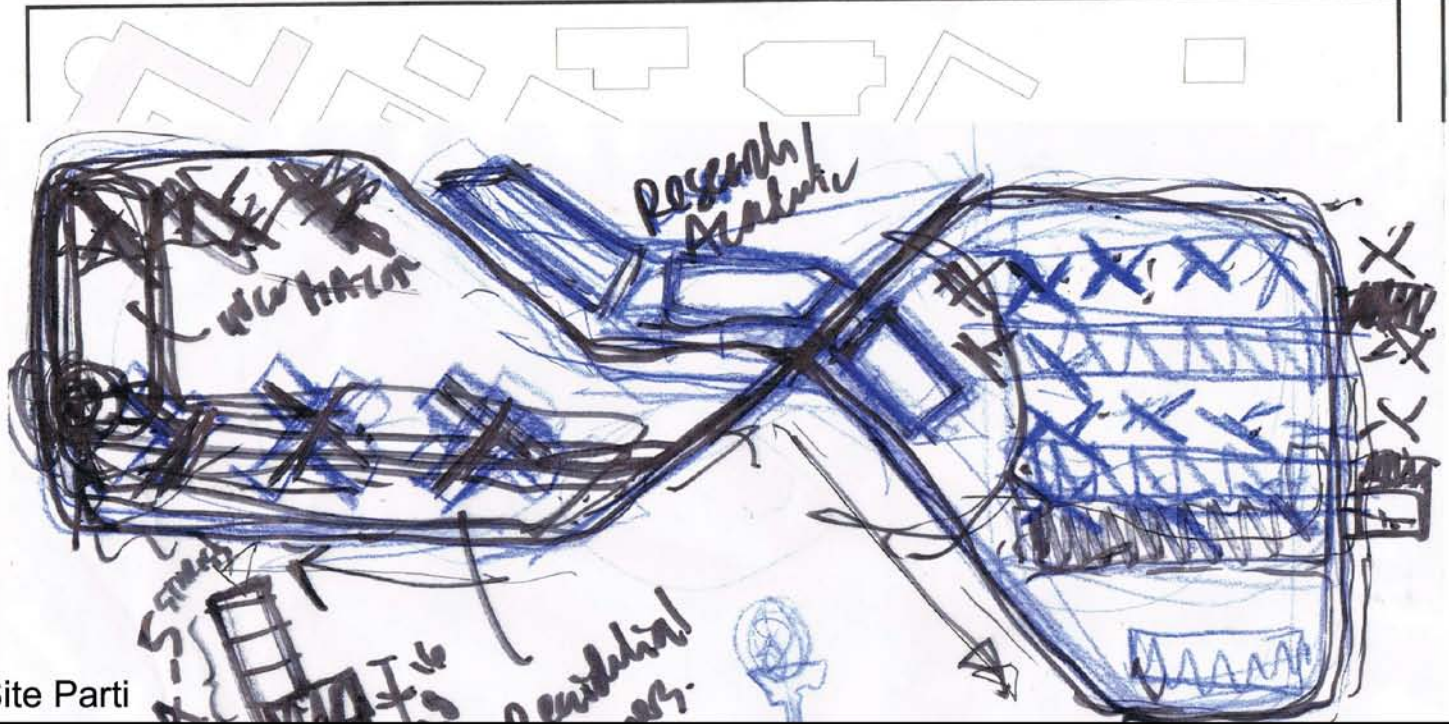
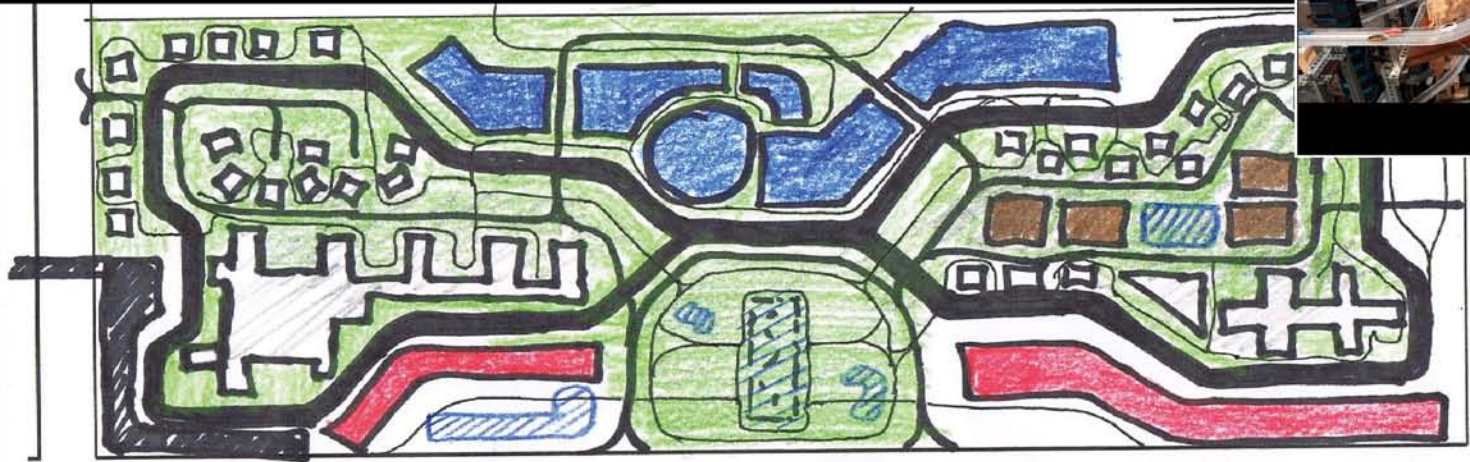


INFRASTRUCTURE

- Fluid transportation systems (branching, uninhibiting)
- Multiple pathways for each route (automobile, train, bike, pedestrian)



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Preliminary Site Parti



MASTER PLAN - NORTHWEST VIEW

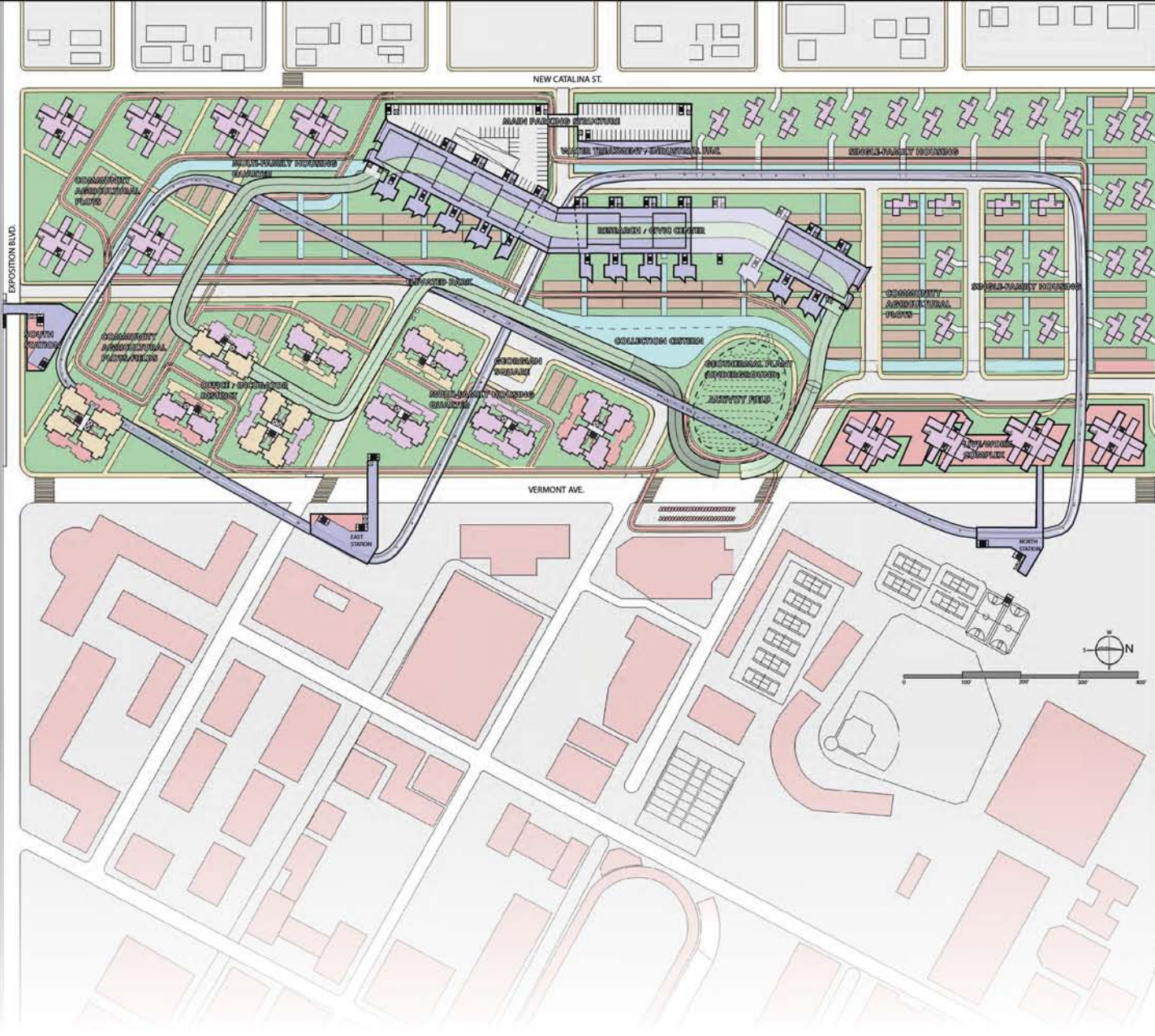


MASTER PLAN - SOUTHWEST VIEW



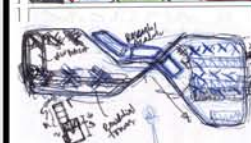
MASTER PLAN - AERIAL (LOOKING EAST (TOWARD CAMPUS))

MIDTERM MASTER PLAN



- GREENSCAPE / PARKLAND
- COMMUNITY AGRICULTURE
- RESEARCH + CIVIC CENTER
- HOUSING
- COMMERCIAL OFFICE / INCUBATOR
- RETAIL / RECREATION

PLAN COLOR KEY



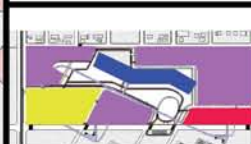
PRELIMINARY IDEAGRAMS



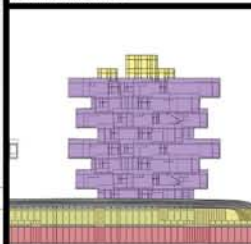
PATHWAY DIAGRAM



IRRIGATION DIAGRAM



GENERAL ZONING

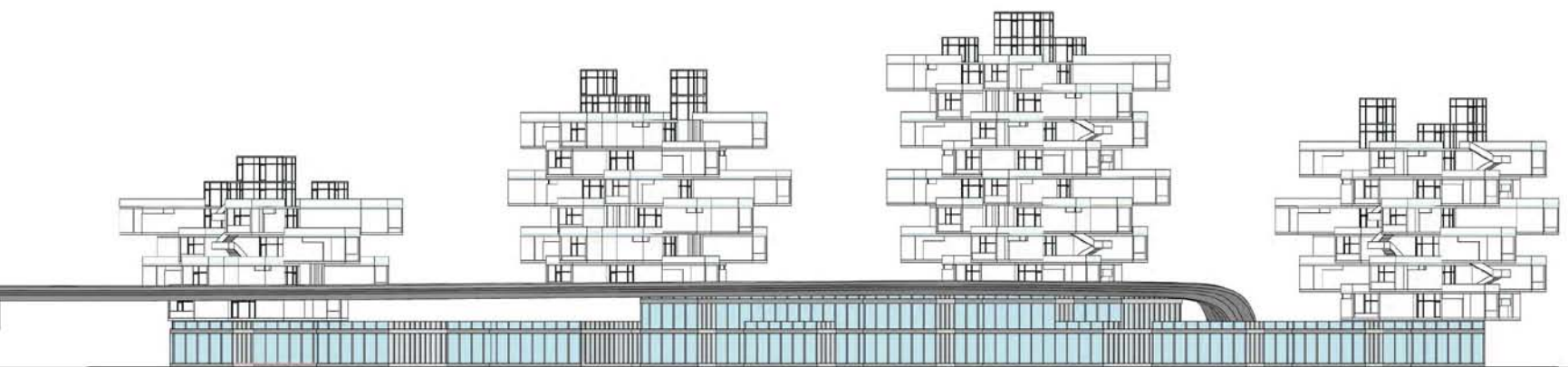


PROGRAM ORGANIZATION: LIVE + WORK

MIDTERM MASTER PLAN

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LIVE + WORK COMPLEX ELEVATION @ 1/16" = 1' - 0

MIDTERM LIVEWORK ELEVATIONS

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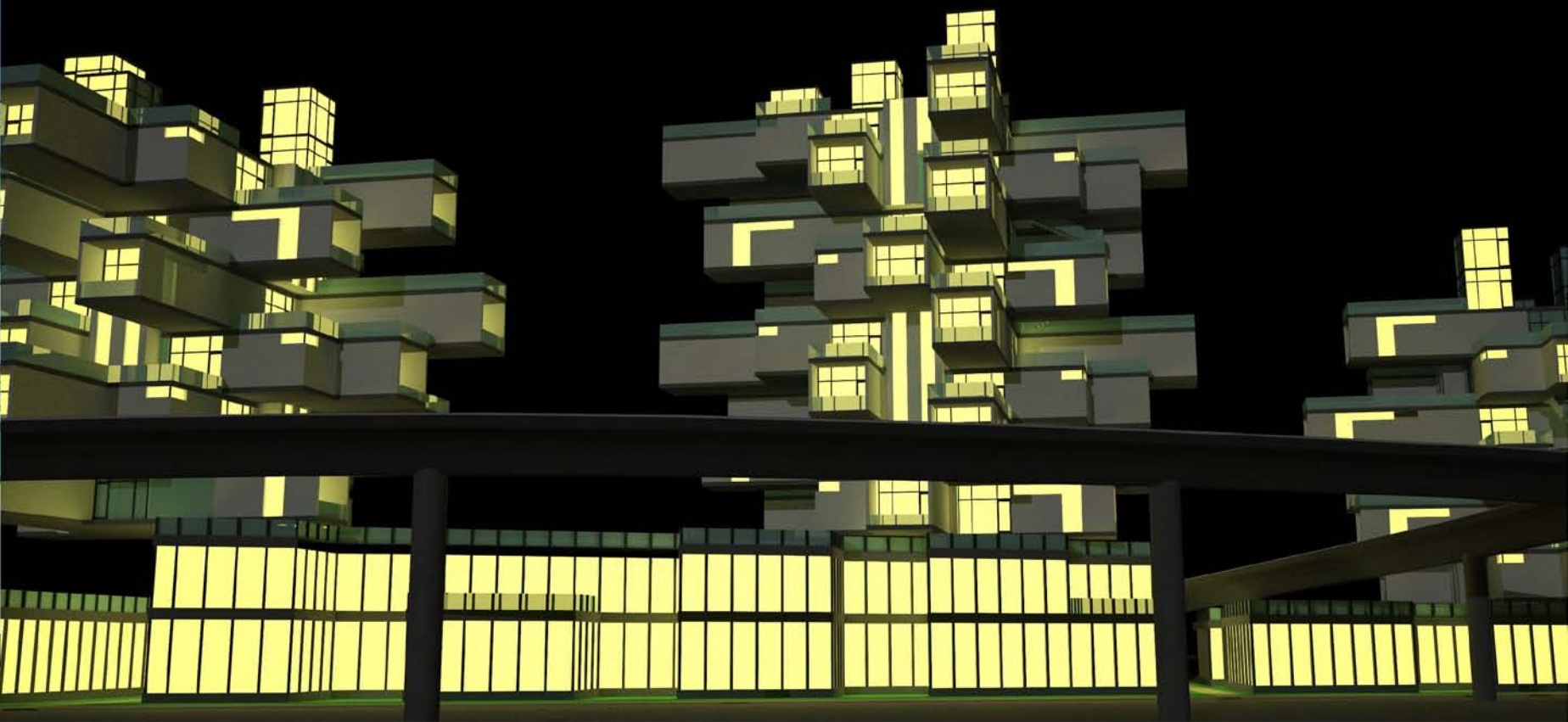


LIVE + WORK COMPLEX - DAYTIME RENDERING

MIDTERM RENDERING

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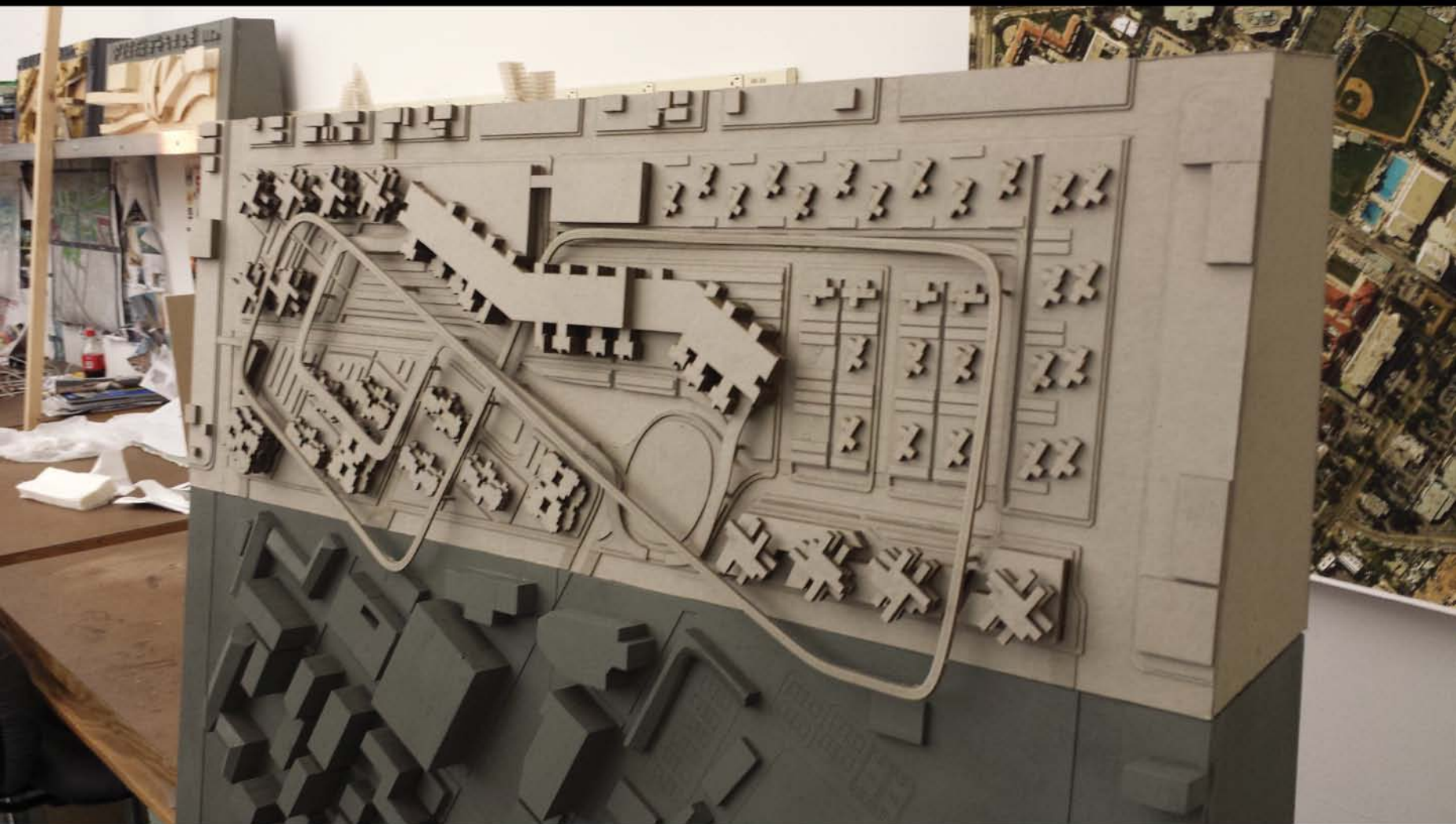


LIVE + WORK COMPLEX - NIGHTTIME RENDERING

MIDTERM LIVEWORK RENDERING

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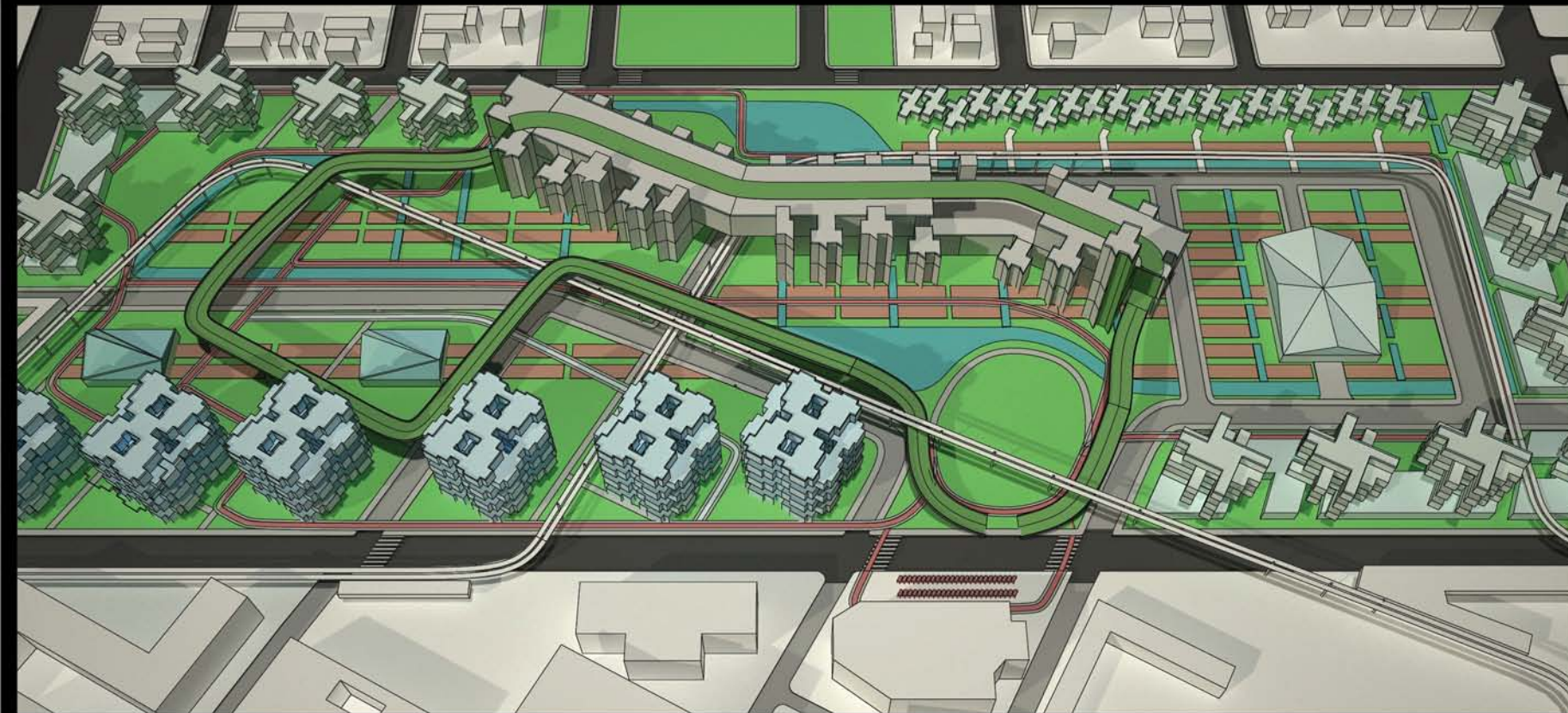
MIDTERM MASTERPLAN MODEL

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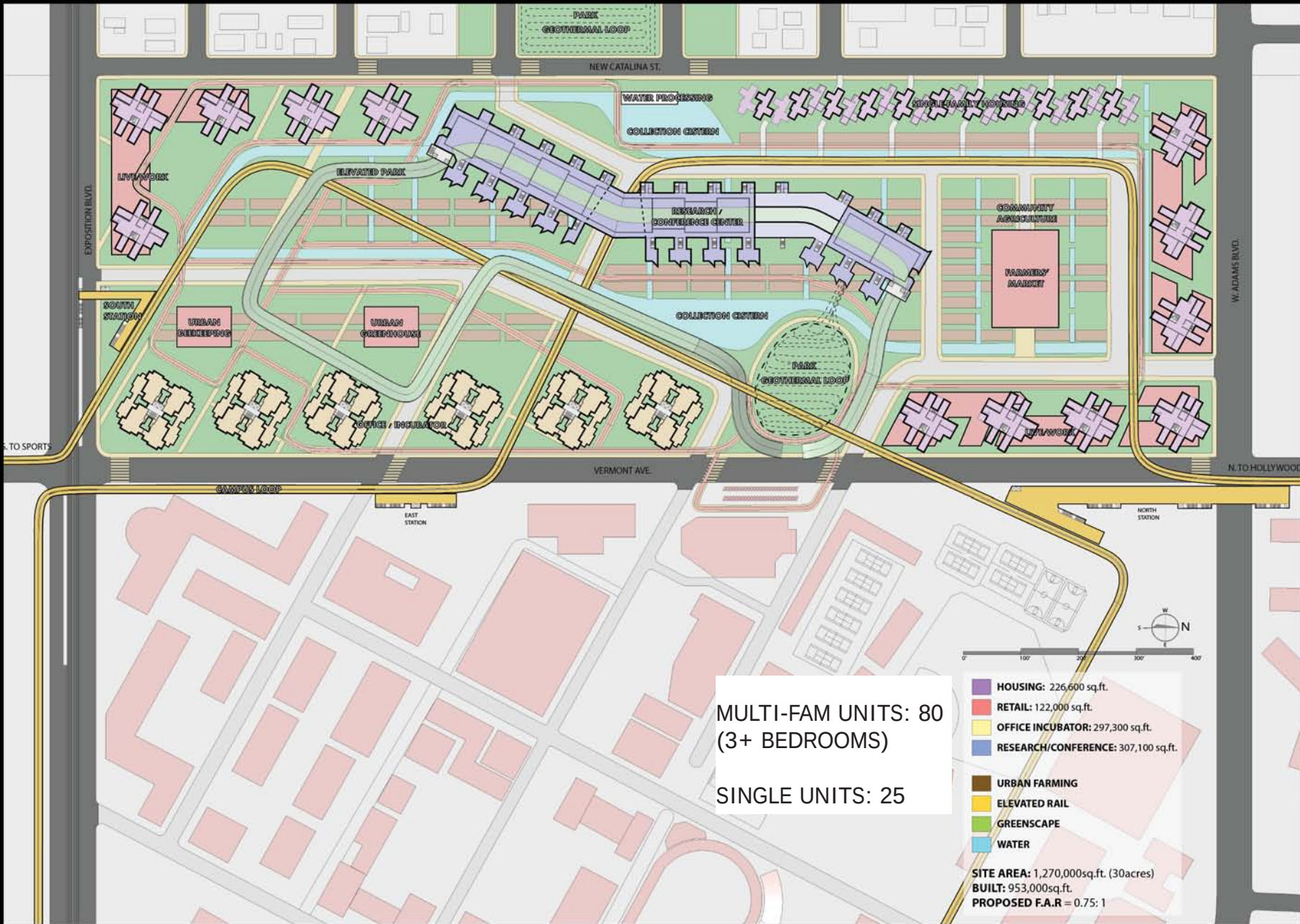


AERIAL VIEW OF MASTERPLAN

FINAL MASTERPLAN

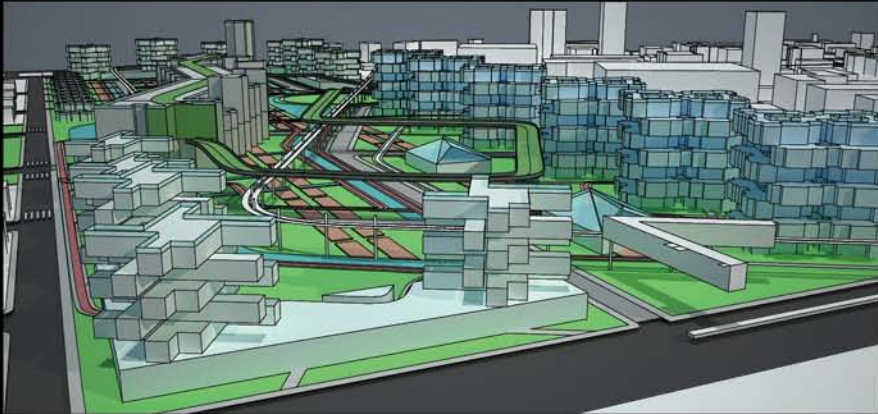
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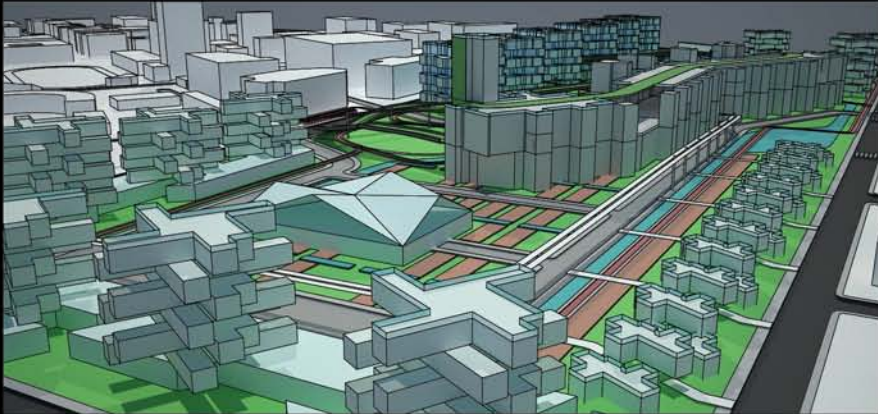


FINAL MASTERPLAN

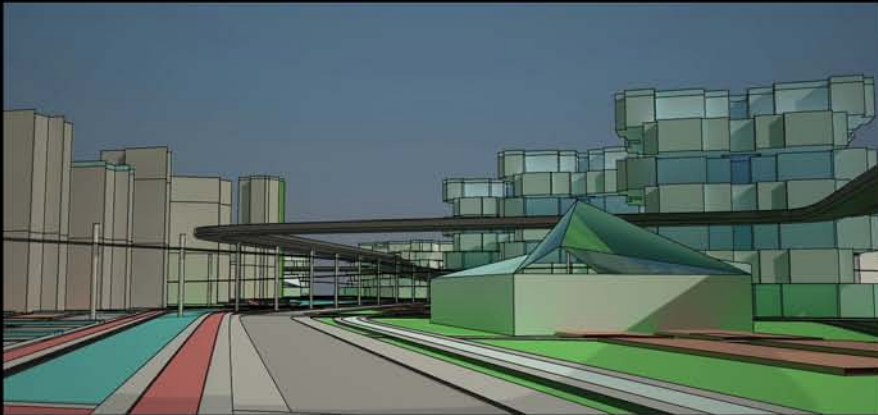
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AERIAL VIEW FROM SOUTH



AERIAL VIEW FROM NORTH



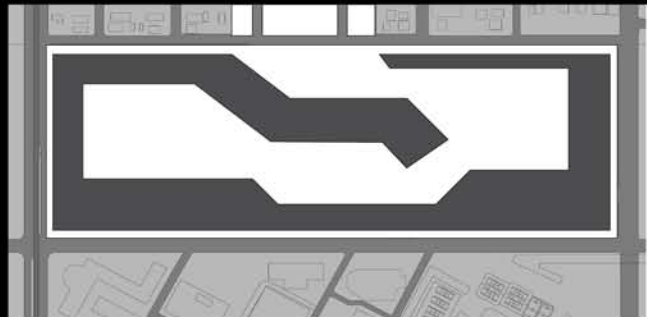
STREET VIEWS



TRANSPORTAION SYSTEMS



SUSTAINABLE AGRICULTURE



URBANIZATION / DENSITY

FINAL MASTERPLAN

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LIVE + WORK COMPLEX - DAYTIME RENDERINGS

FINAL LIVE/WORK CENTER

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FINAL LIVE/WORK CENTER

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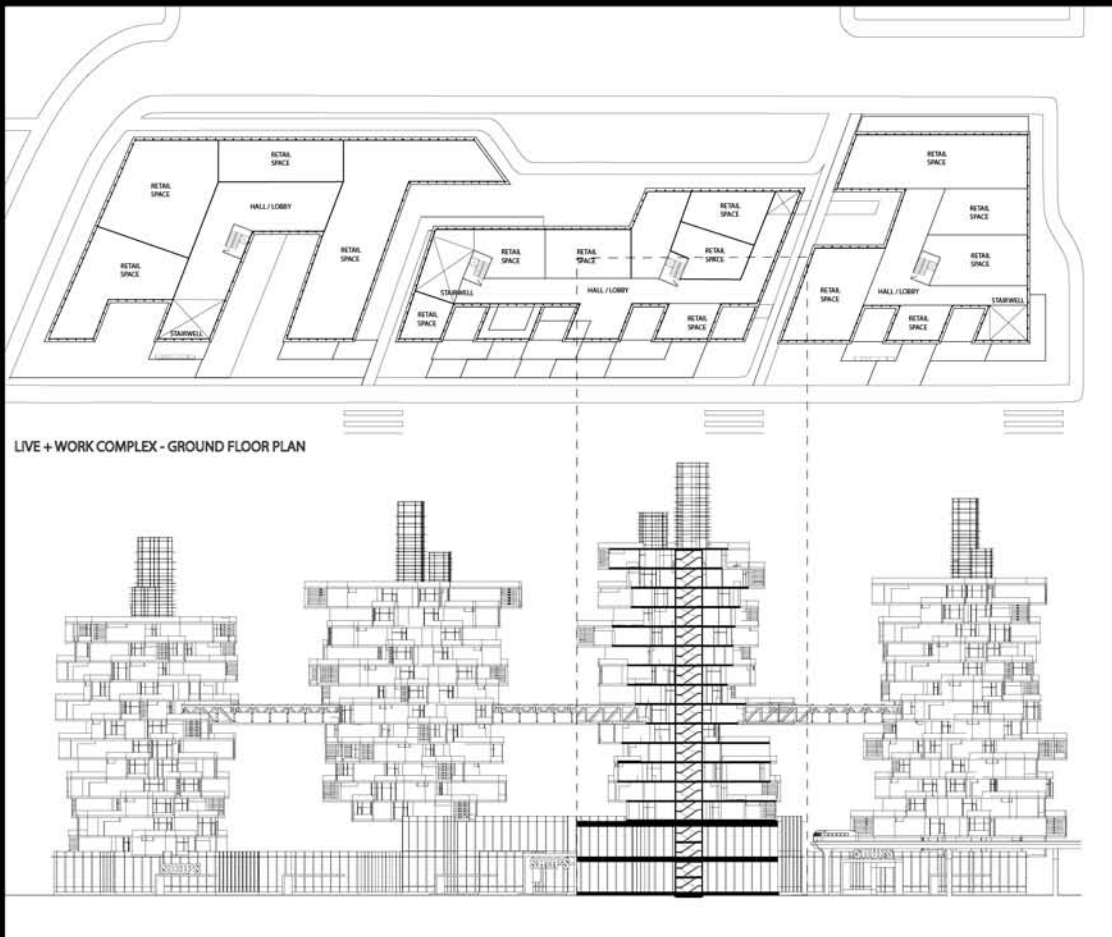
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FINAL LIVE/WORK CENTER

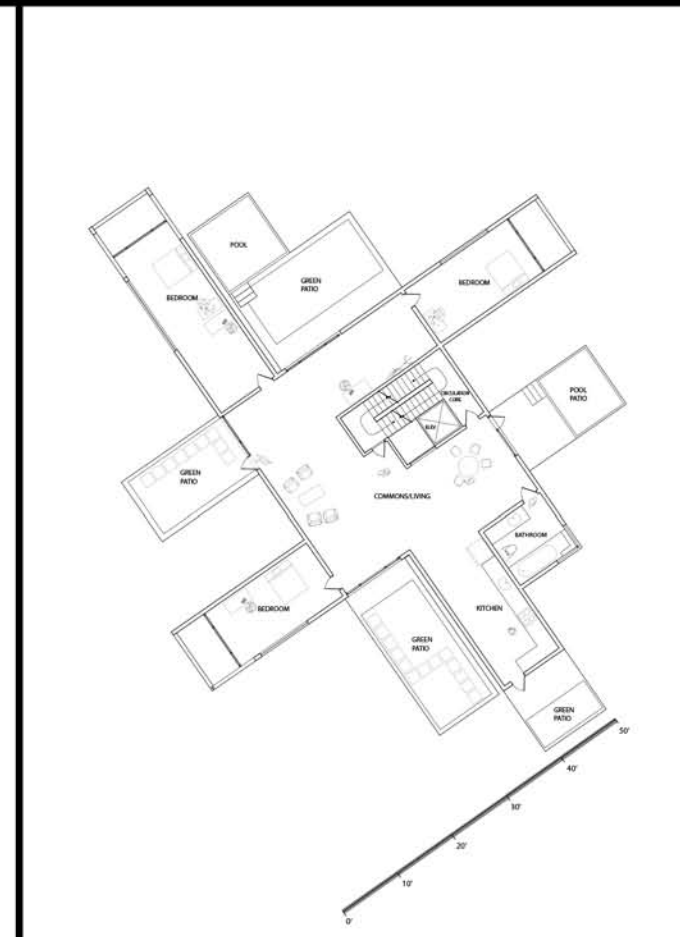
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LIVE + WORK COMPLEX - GROUND FLOOR PLAN

LIVE + WORK COMPLEX - ELEVATION + PARTIAL SECTION

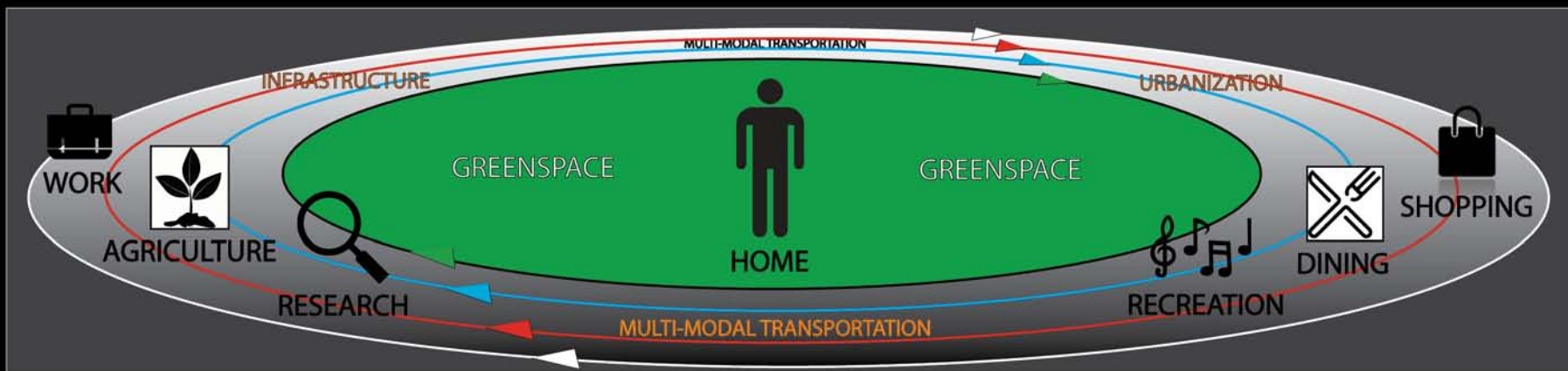


LIVE + WORK COMPLEX - UNIT PLAN

FINAL LIVE/WORK DRAWINGS

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SELF-SUSTAINABLE CYCLE

IDEA BOARD / CONCEPT DIAGRAM

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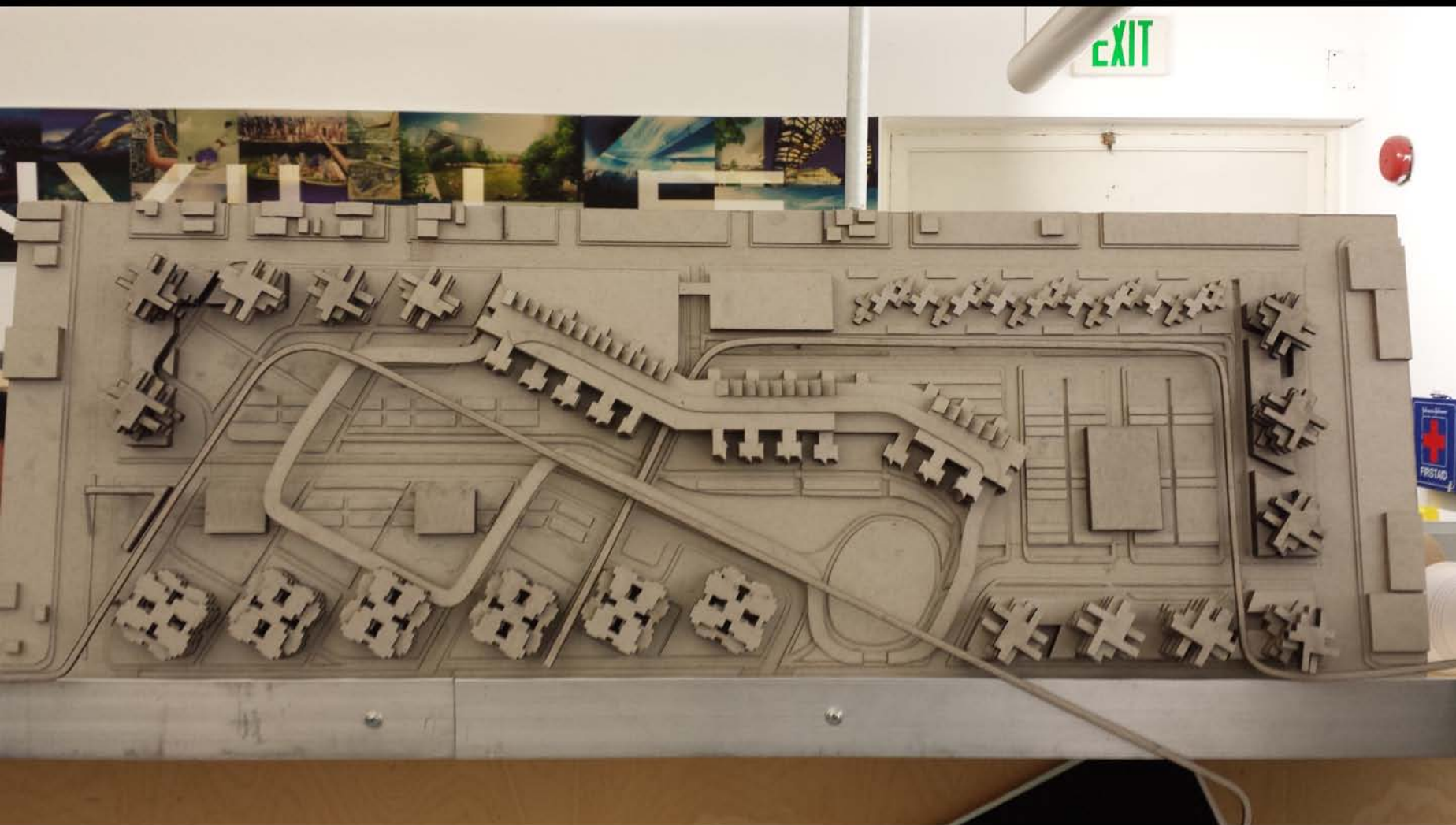


LIVE + WORK COMPLEX

FINAL RENDERING

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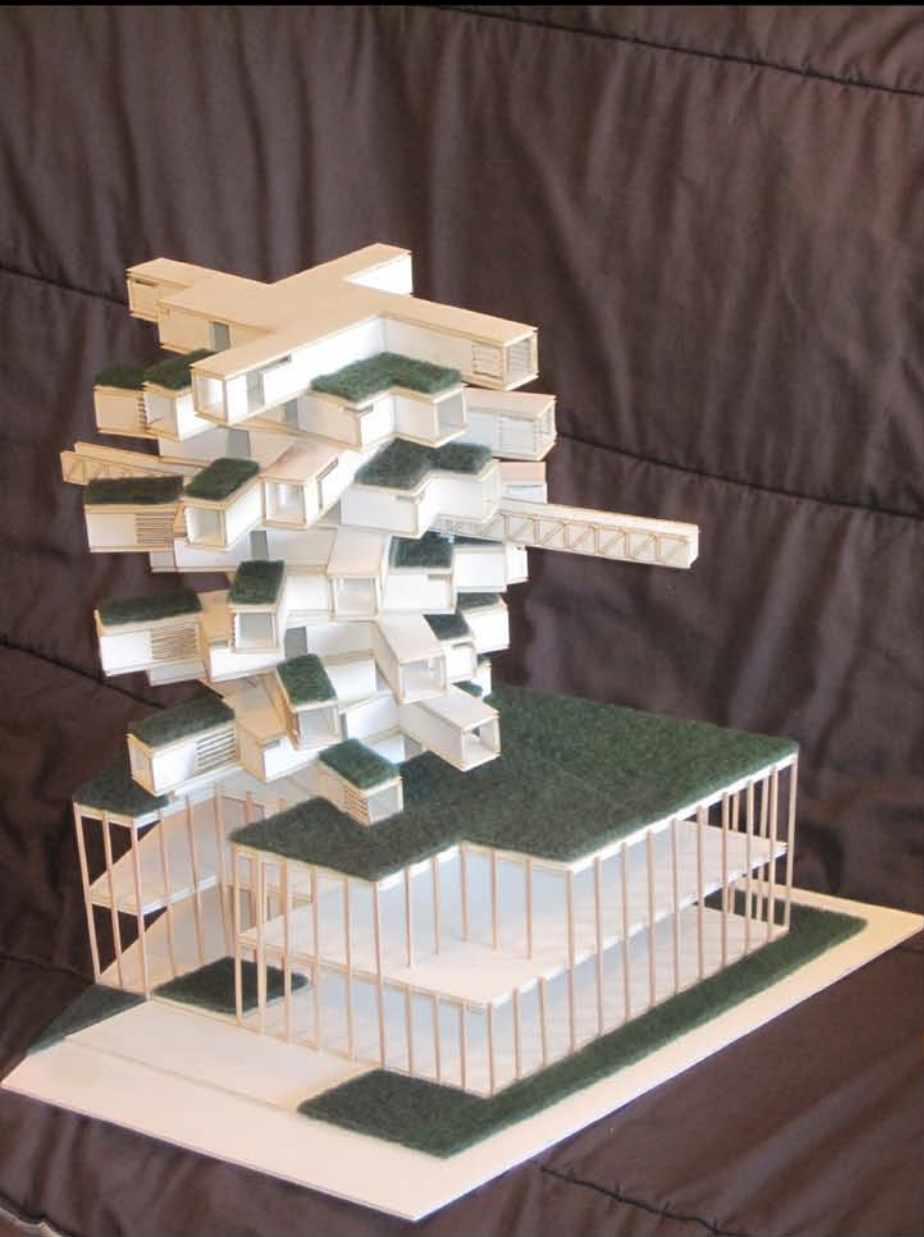
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FINAL RENDERING

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FINAL LIVE/WORK MODEL

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FINAL LIVE/WORK MODEL

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