



**Shekoofah Abdullah Khedhri** | Manager | Architect | Planner

[Shekoofah.Khedhri@gmail.com](mailto:Shekoofah.Khedhri@gmail.com)

[www.ShakStudio.com](http://www.ShakStudio.com)



**Manager** | Architect | Planner



Dubai Design Center, Dubai, U.A.E.



Palm Dierah - Frond Units, Dubai, U.A.E.

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## Dubai Design Center

Client: Nakheel  
Role: Project Manager, Client Representative  
Consultants: Bruce Henderson, Architects  
DMJM, Master Plan  
ACE, Infrastructure  
Future Brand, Branding  
Buy Van, Commercial Strategy  
Project Location: Al Warsan, Al Awir, Dubai, U.A.E.

A world class hub for International building product traders both wholesale and retail together on one site. The complex includes a total floor area of approximately 868,00 m<sup>2</sup>, a massive 530,000 m<sup>2</sup> approximate of retail area, in addition to associated exhibition and promotional spaces, entertainment zones and servicing areas, 100,000 m<sup>2</sup> of offices and a pair of 3 and 4 hotels to “bookend” the development



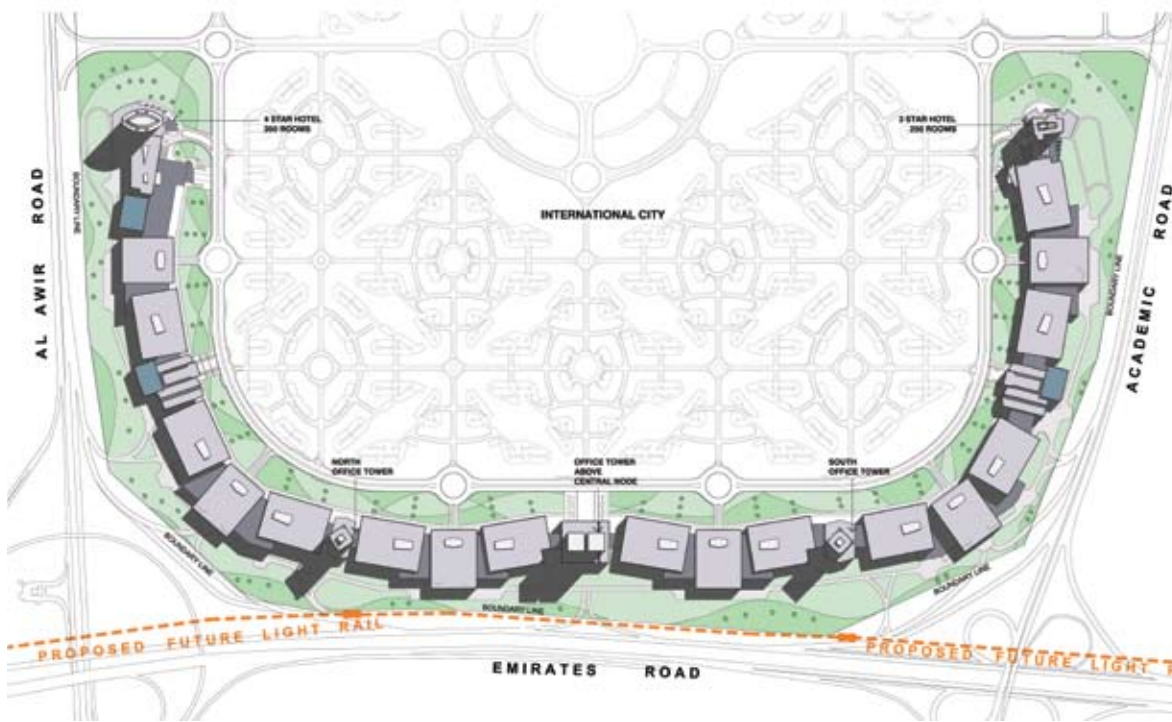


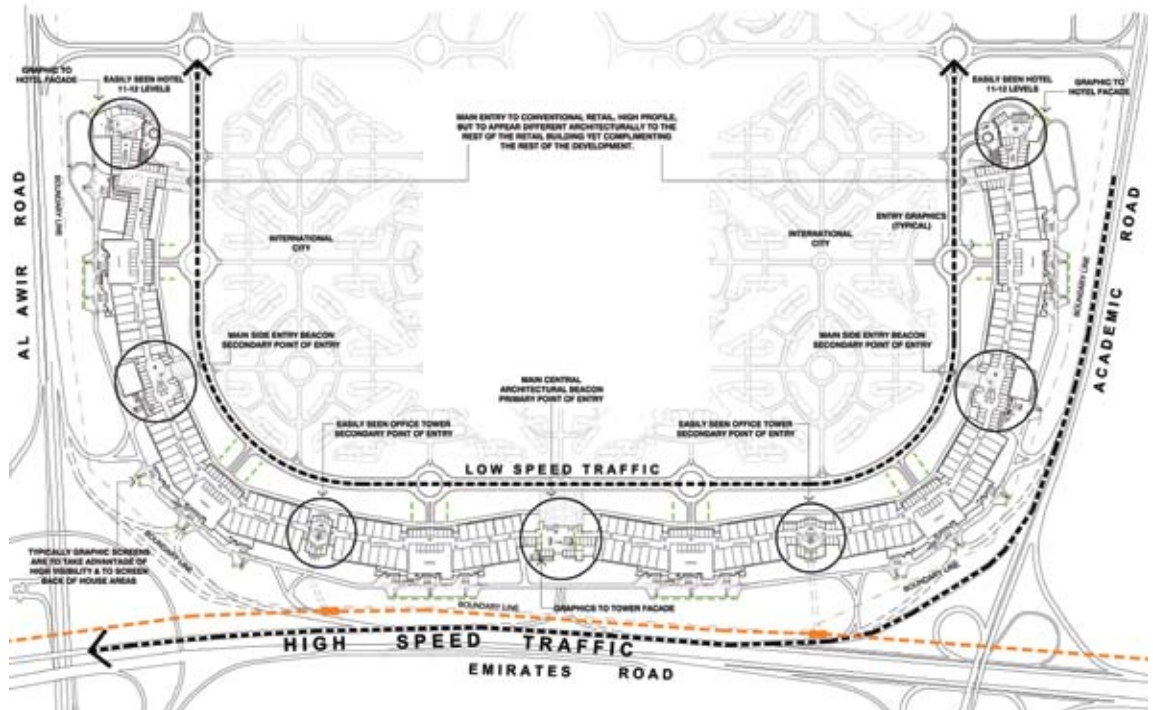
مركز  
دبي  
للتصميم

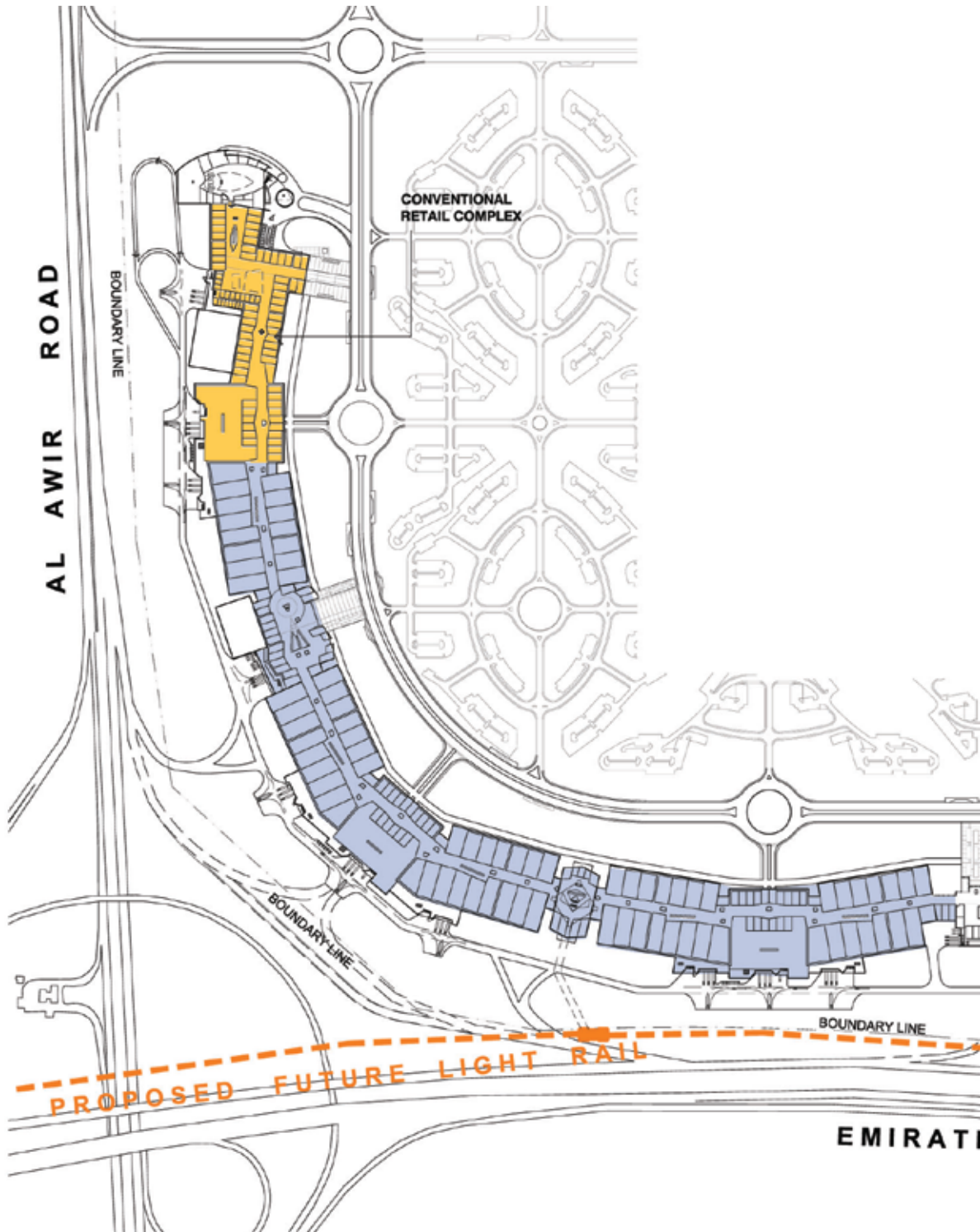
DUBAI DESIGN CENTRE

FURNISHINGS

FURNISHINGS







AL AWIR ROAD

CONVENTIONAL  
RETAIL COMPLEX

BOUNDARY LINE

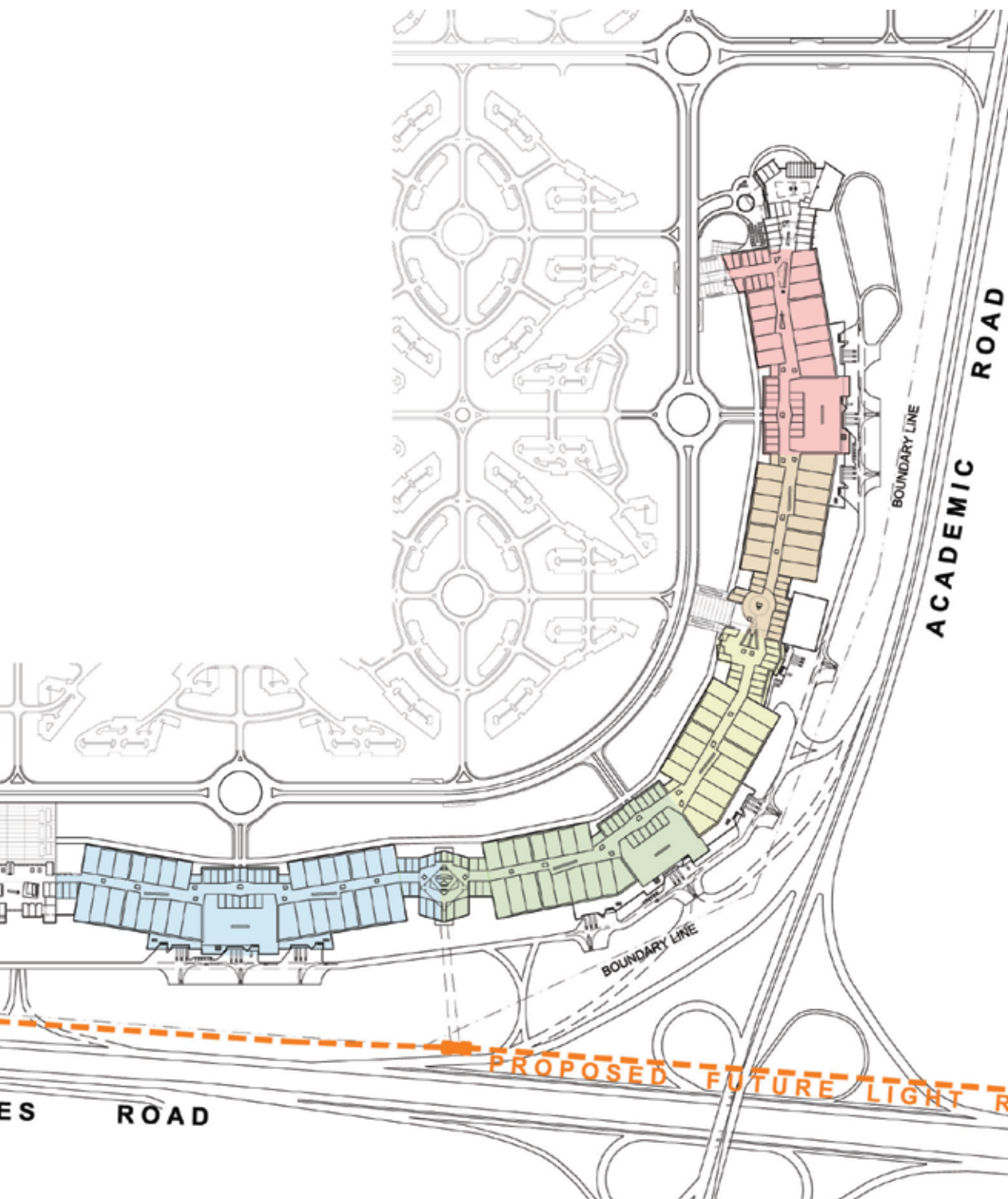
BOUNDARY LINE

BOUNDARY LINE

PROPOSED FUTURE LIGHT RAIL

EMIRATI





**Zone A:**  
 Furniture  
 Bedding lounges  
 Tables and Chairs  
 General home-wares  
 Garden decor

**Zone B:**  
 Furnishing  
 Carpet  
 Fabrics  
 Artwork

**Zone C:**  
 Electrical  
 Hi-fi and home theater  
 Electrics and data  
 Lighting  
 Air-conditioning

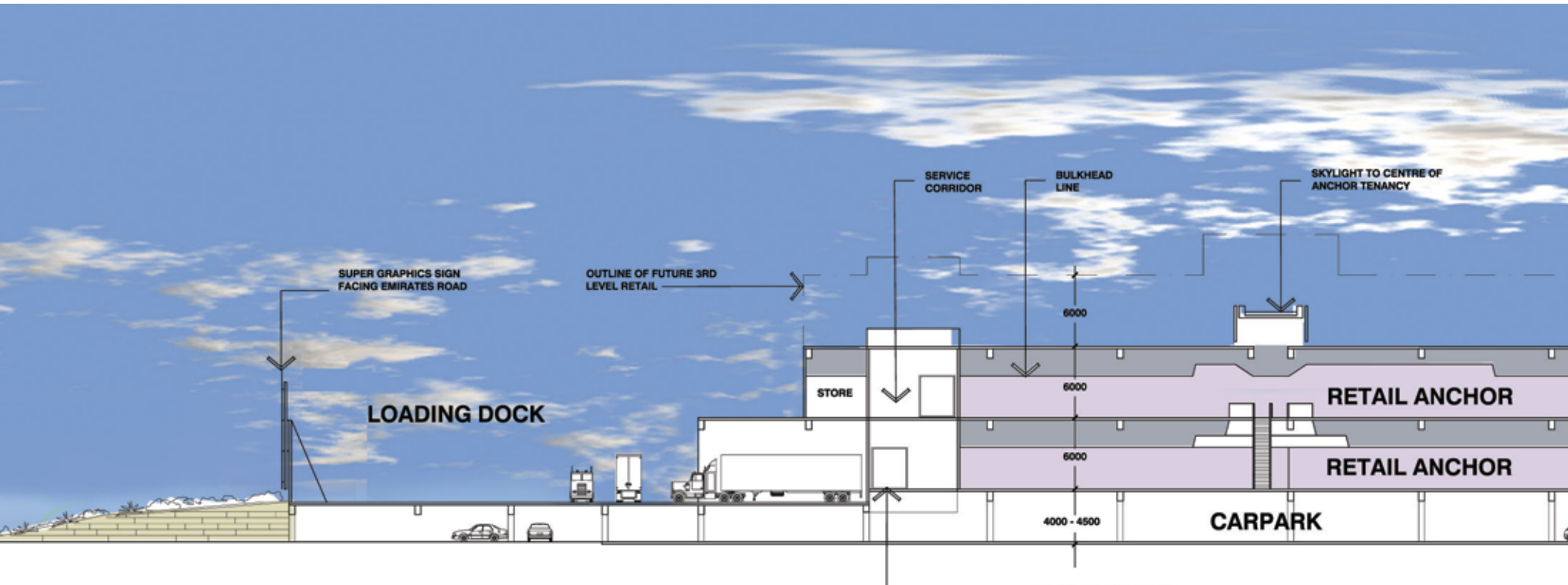
**Zone D1:**  
 Plumbing supplies  
 Baths, basins, etc.  
 Tap ware  
 Hardware  
 Doors and windows  
 Tools

**Zone D2:**  
 Tiles, Pavers and Stone  
 Glass  
 Joinery and Shelving  
 Fixings  
 Paints

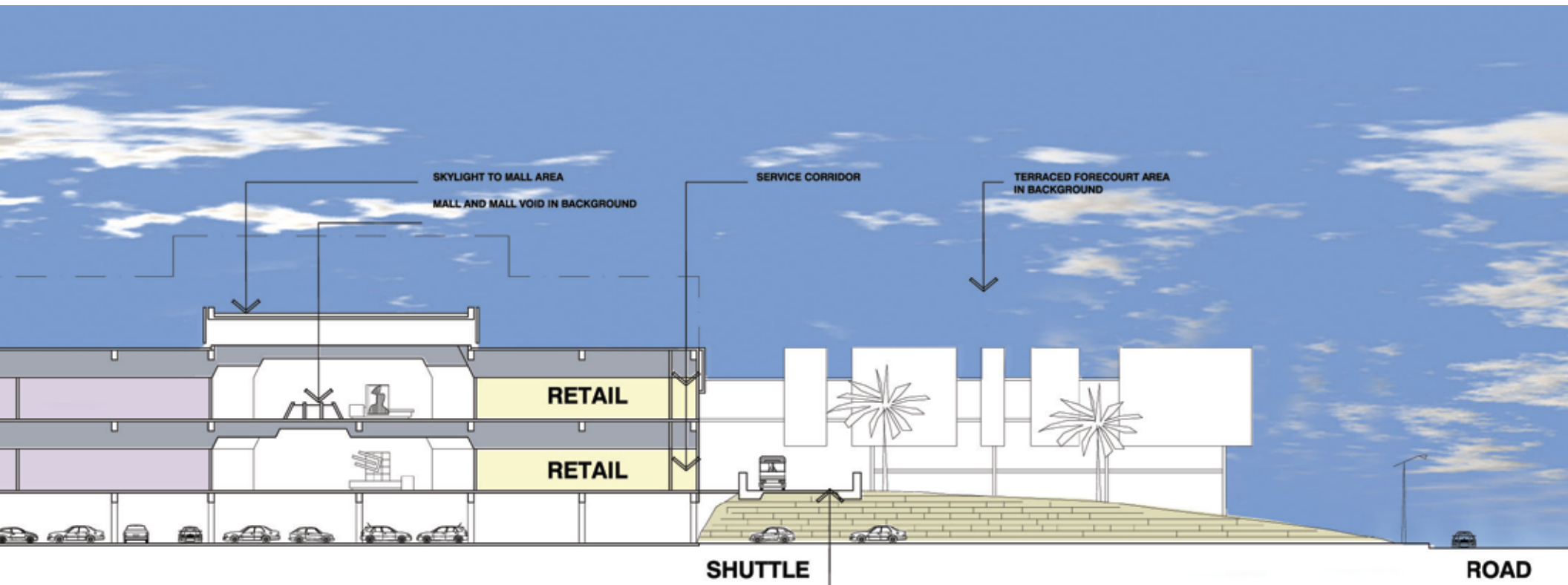
**Zone D3:**  
 Timber supplies  
 Steel supplies  
 Block-work  
 Insulations  
 Plaster  
 Roofing  
 Garden and Landscape  
 Pools and spas

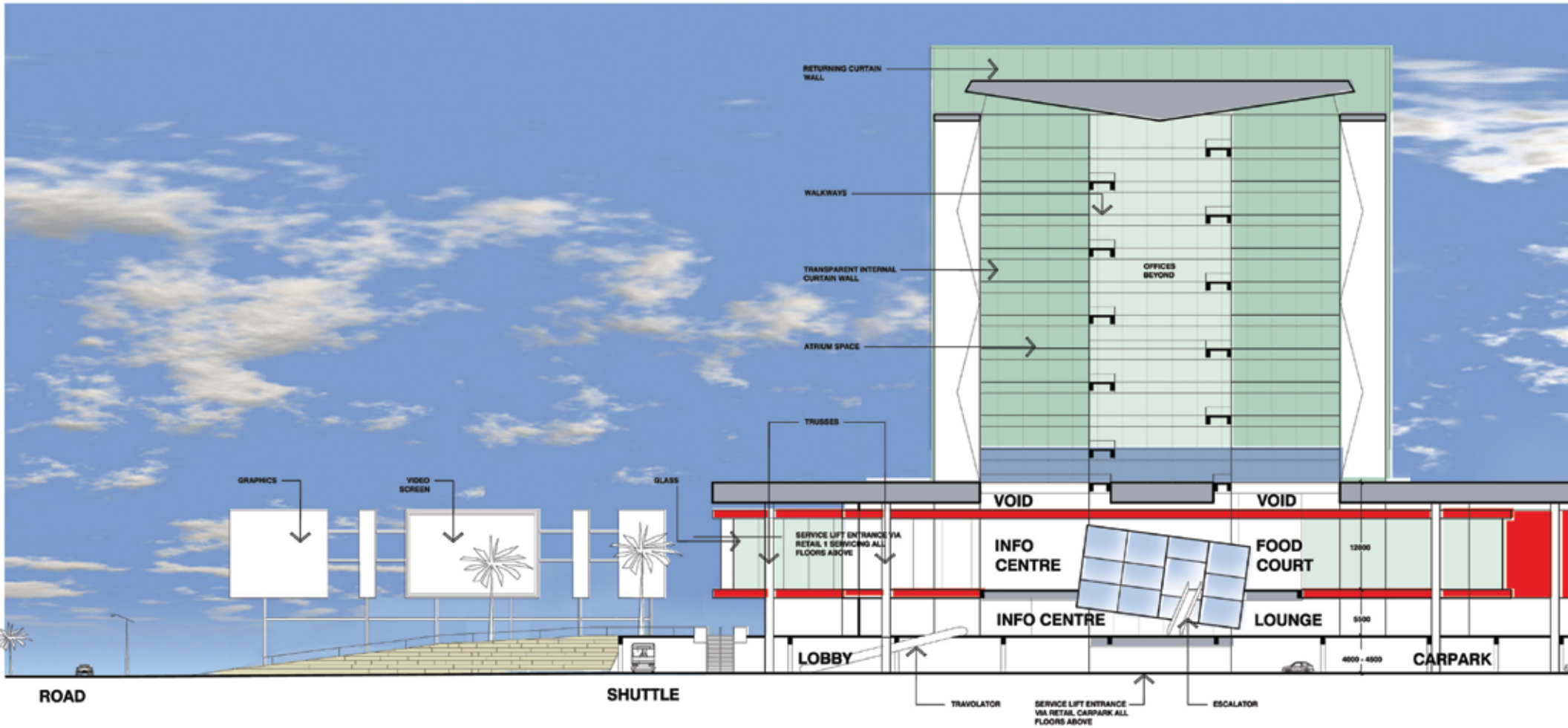


Main Entrance.



The design is laid out in a horseshoe configuration around the proposed "International City" residential area, with a series of public plazas and entrances designed to punctuate its 4.5km of facade. The continuous internal mall space is divided into 6 separately themed functional zones.





ROAD

SHUTTLE

LOBBY

INFO CENTRE

LOUNGE

FOOD COURT

INFO CENTRE

CARPARK

TRUSSES

VOID

VOID

ATRIUM SPACE

OFFICES BEYOND

TRANSPARENT INTERNAL CURTAIN WALL

WALKWAYS

RETURNING CURTAIN WALL

GRAPHICS

VIDEO SCREEN

GLASS

SERVICE LIFT ENTRANCE VIA RETAIL 1 SERVICING ALL FLOORS ABOVE

SERVICE LIFT ENTRANCE VIA RETAIL CARPARK ALL FLOORS ABOVE

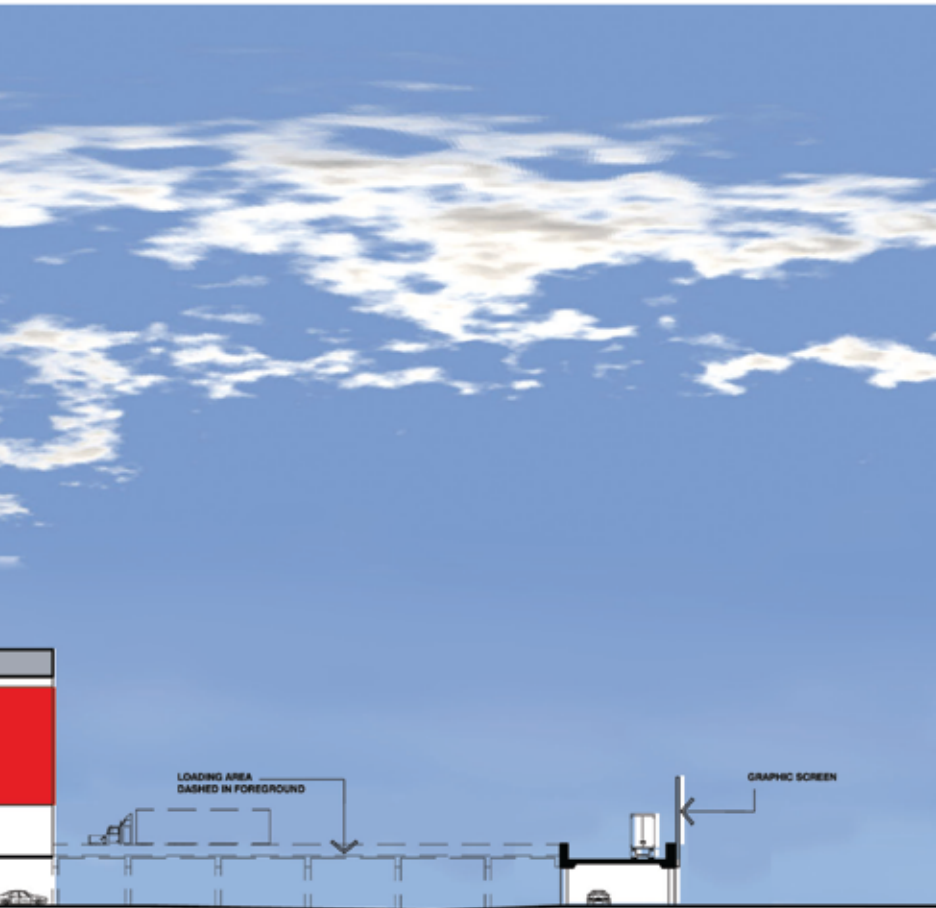
TRAVOLATOR

ESCALATOR

12000

5000

4000 - 4500



**SERVICE ROAD**





**Manager** | Architect | Planner



Dubai Design Center, Dubai, U.A.E.



Palm Dierah - Frond Units, Dubai, U.A.E.

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## The Palm Deira: Frond Units

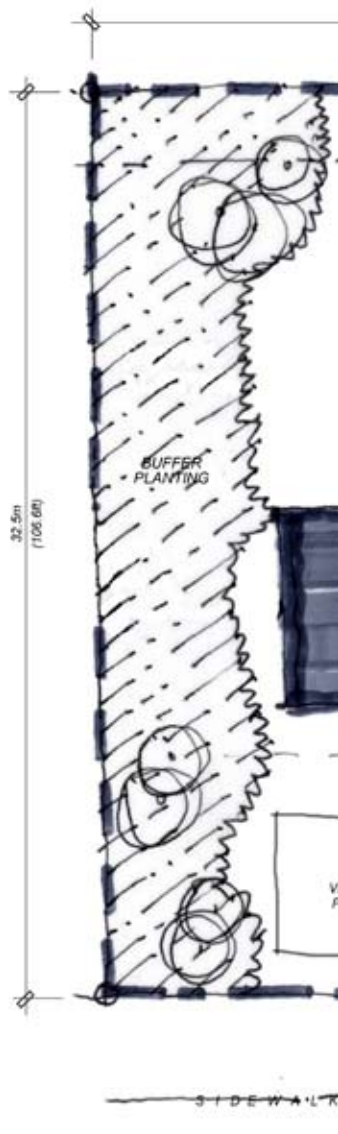
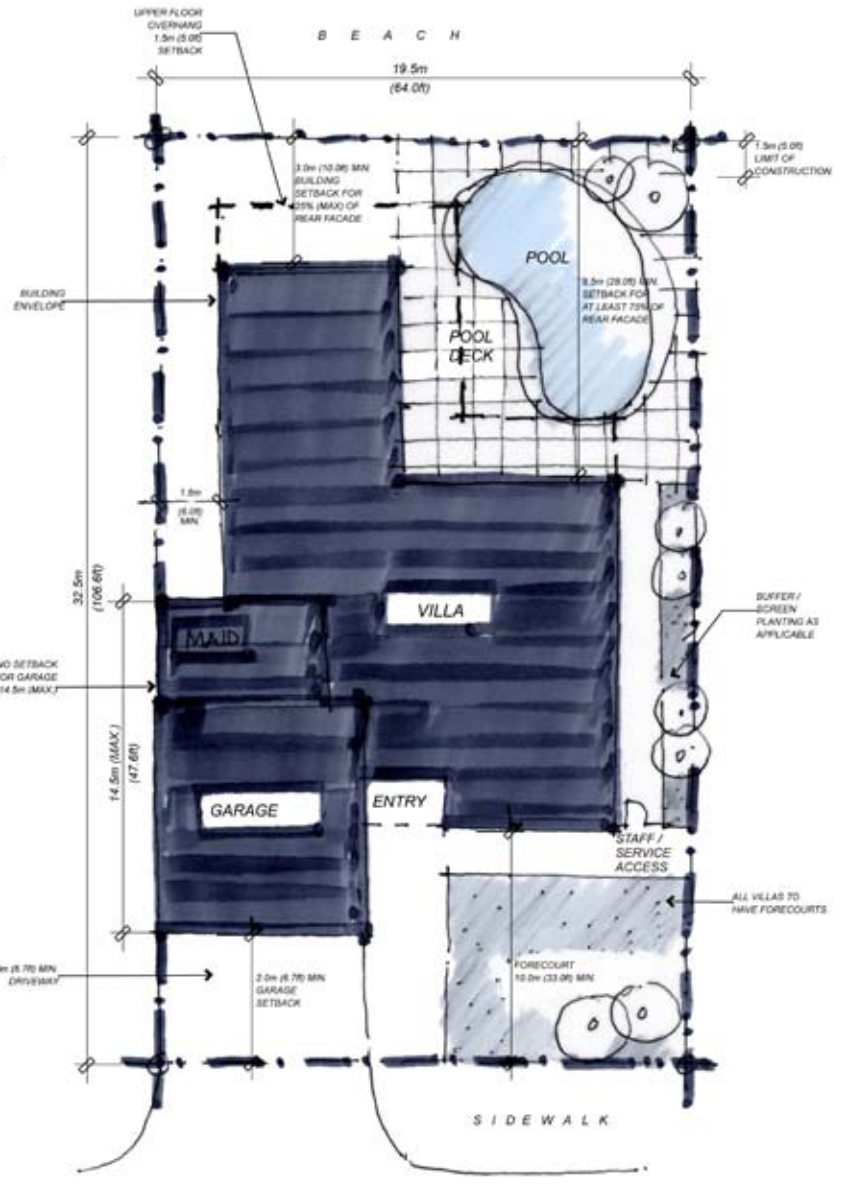
**Client:** Nakheel  
**Role:** Project Manager, Client Representative  
**Consultants:** Shankland and Cox, Architecture  
Calthorpe Associates, Master Plan  
Nihon Sekai, Engineers  
**Project Location:** Deirah coastal area of Dubai.

The Deira Palm will cover 14 kilometers (8.7 miles) in length and 8.5 kilometers (5.3 miles) in width and have an area of 80 square kilometers (861 million square feet). It will consist of residential property, marinas, shopping malls, sports facilities, and clubs. The residential area will be located on the fronds and will contain 8,000 two-storey town houses in three distinct styles Premier Villas, Grand Villas and Vista Town Homes.





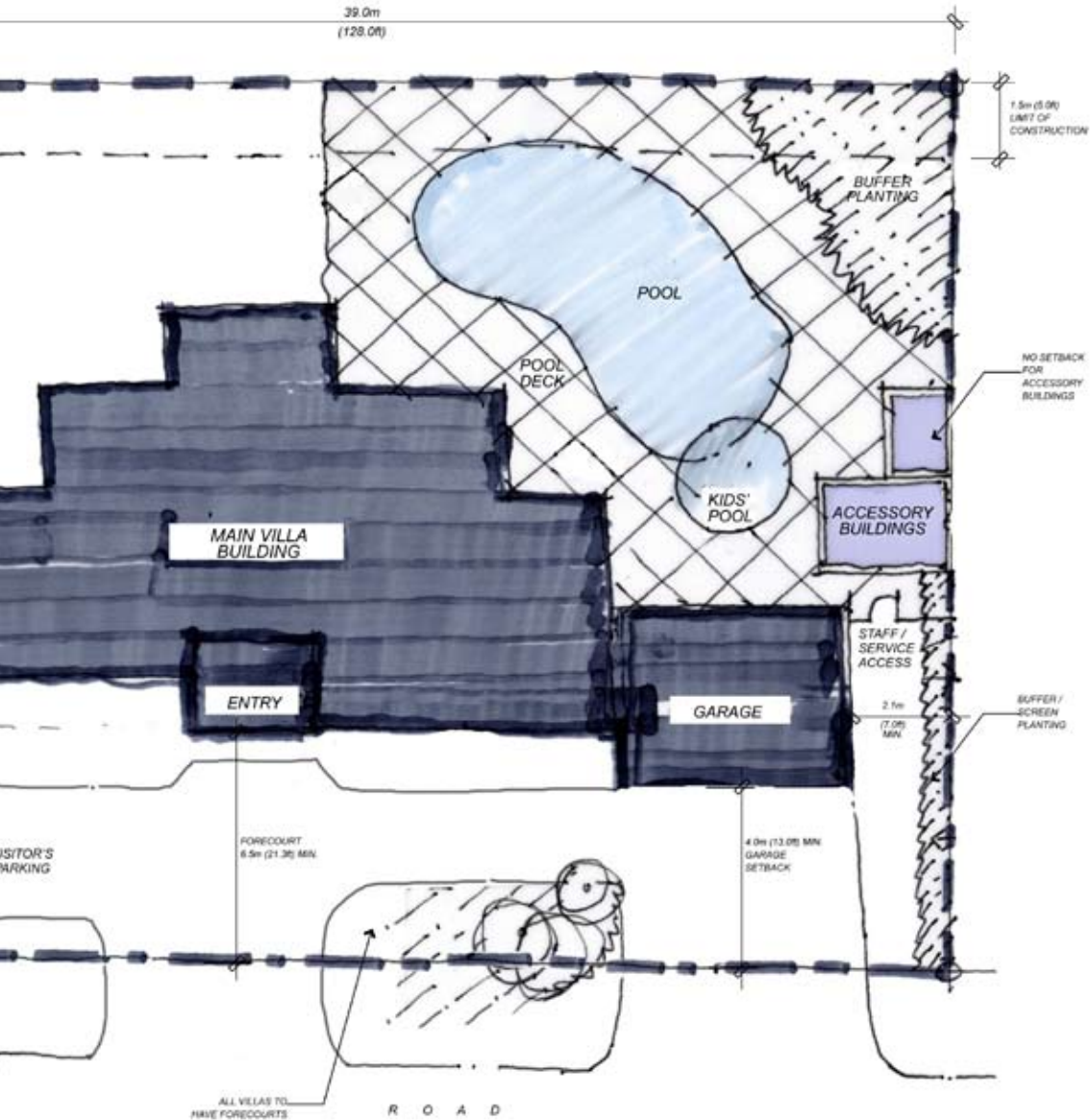




R O A D

R O A D

SIDEWALK



**Space**

**Garage**  
**Bedroom (min size)**  
**Master Bedroom**  
**Master Bathroom**

**Vista Homes**

2 cars  
 3.5 x 4.0 m  
 4.0 x 4.5 m  
 2 Basins  
 WC  
 Bidet  
 Shower  
 Bath tub with  
 Jetronic spray

**Grand Homes**

2 cars  
 3.8 x 4.7 m  
 4.2 x 4.7 m  
 2 Basins  
 WC  
 Bidet  
 Shower with  
 Jetronic Spray  
 Bath tub with  
 Jetronic spray

**Premier Homes**

2/3 cars - attached/detached  
 4.0 x 4.5 m  
 4.5 x 5.0 m  
 2 Basins  
 WC  
 Bidet  
 Shower  
 Bath tub with  
 Jetronic spray  
 Sauna (Optional)

**Service Bathroom**  
**Dining**  
**Elevator**  
**Swimming Pool**  
**Outdoor Jacuzzi**  
**Children's pool**  
**Maid Room**  
**Diver's Room**

Through garage  
 8 seaters  
 No  
 Optional  
 No  
 No  
 Single Bed  
 No

Through garage  
 8 seaters  
 Optional  
 50 sq m  
 Optional  
 No  
 Single Bed  
 No

Through garage  
 10 seaters  
 Yes  
 72 sq m  
 Yes  
 Yes  
 Double Bed  
 Yes





**Type 1 - Eastern**



Ground Floor



First Floor



Jumeirah Home



Red Sea, Egypt

**Type 2 - Western**



Ground Floor



First Floor



Palm Beach, Florida



Nice, France

**Type 1 - Eastern**



Ground Floor



First Floor



Marbella, Spain



Jumeirah Home

**Type 2 - Western**



Ground Floor



First Floor



Ball Hall



Palm Beach, Florida

**Type 1 - Eastern**



Ground Floor



First Floor



Jumeirah Home



Red Sea, Egypt

**Type 1 - Eastern**



Ground Floor



First Floor

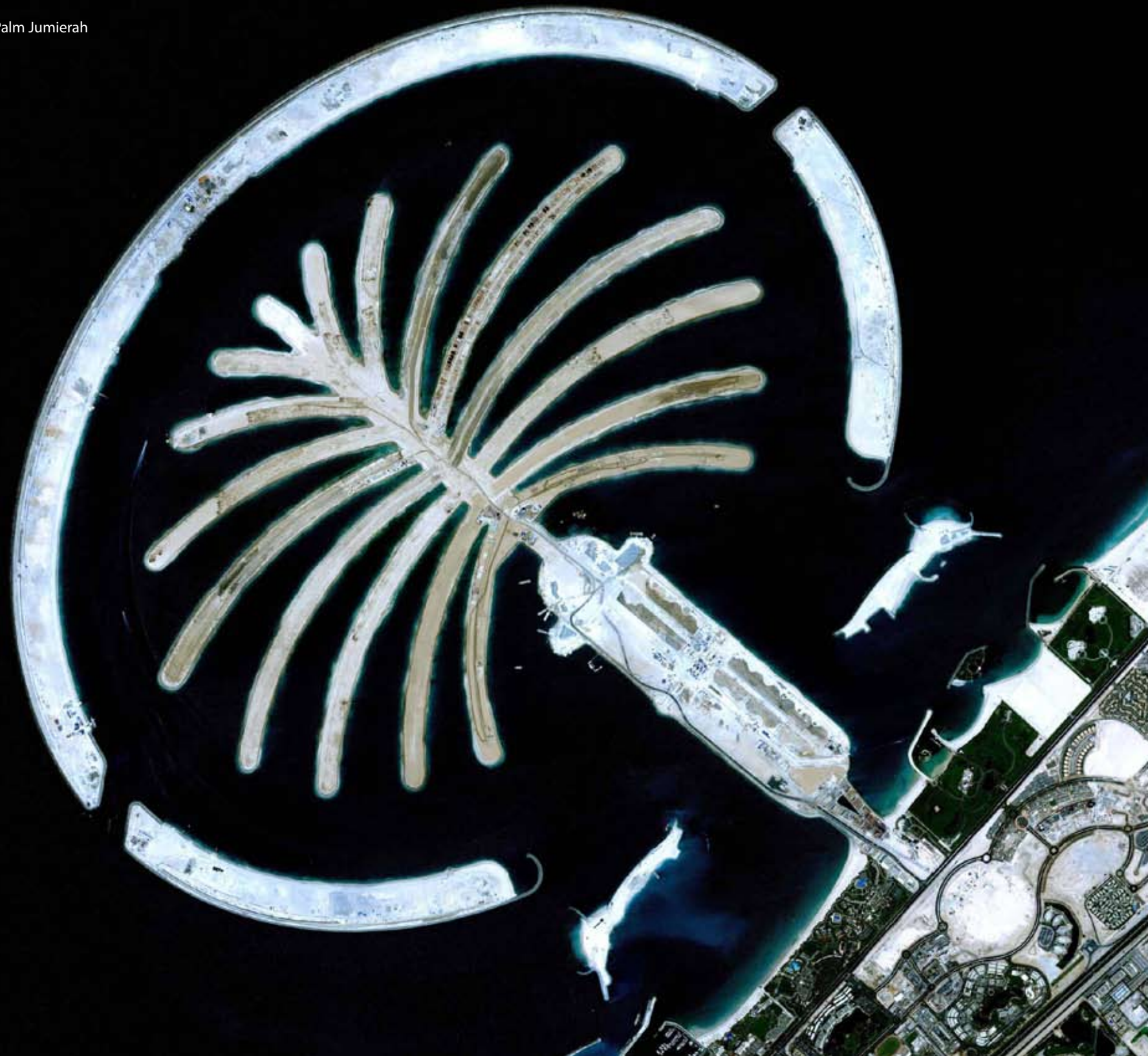


Ball Hall



Nice, France

Scale demonstration based on Palm Jumierah  
Satellite image of June 2004











**Client Lifestyles:**

Layouts have been designed so as to meet the demands of the different lifestyles of the clients in Dubai. These are primarily made up of two major lifestyles - Eastern and Western cultures. The major impact of this principle has primarily been on arrangement of spaces within the villas, the relationships between them and the treatment of external spaces.

- Primarily the focus has been on:
- Arrangement of interior spaces
  - Living Unit on Ground Floor
  - Kitchen layouts
  - External spaces
  - Swimming pools
  - Beach Views



Manager | **Architect** | Planner



Single Family Residential Unit, Dubai, U.A.E.



Space and Atomic Discovery Center, Dubai, U.A.E.

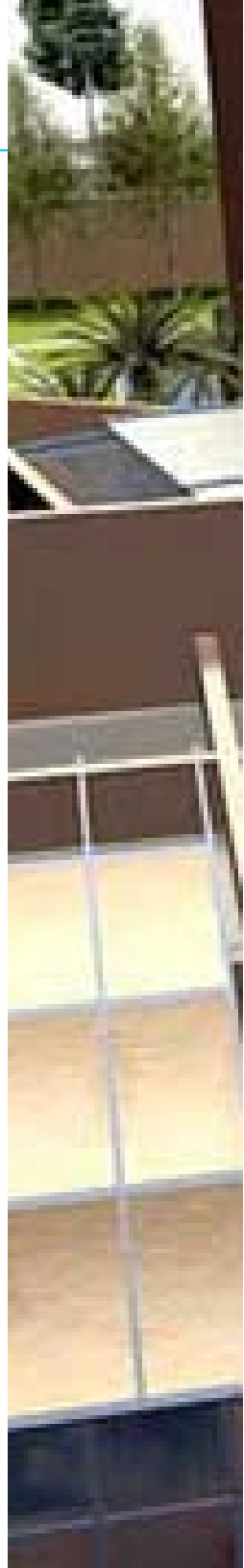
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## Single Family Residential Unit

**Company:** Naga Architects Designers Planners  
**Role:** Architect  
**Project:** Single Family Residential Unit  
**Project Location:** Mirdif District, Dubai, U.A.E

A group of young and newly graduated professional designed and developed a luxurious residential unit. Although the scale of the project is not large, the details were carefully designed and studied.

This project is influenced by Dubaian architectural elements such as: Wind tower at the service quarter, the openings as well as the materials and the texture of the building.





**Visitors Quarter:**

Foyer  
Two major reception areas  
Bathroom  
Gym  
Office

**Living Quarter:**

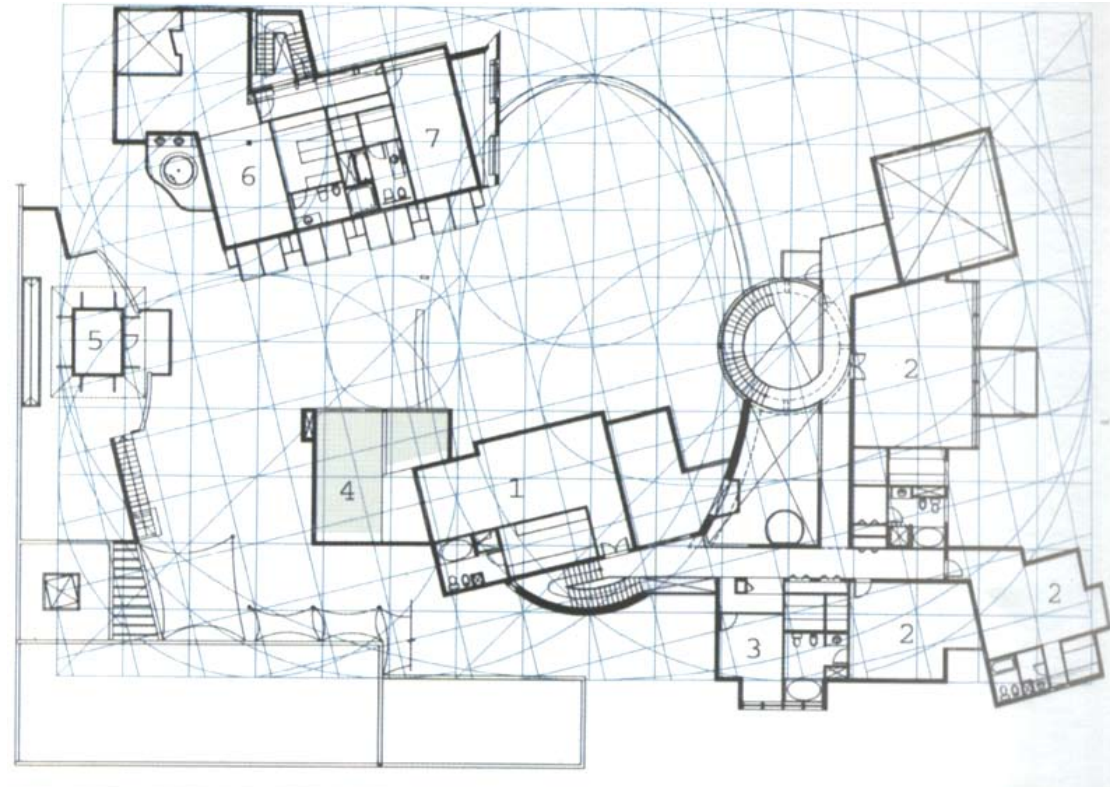
Dining space  
Two living spaces

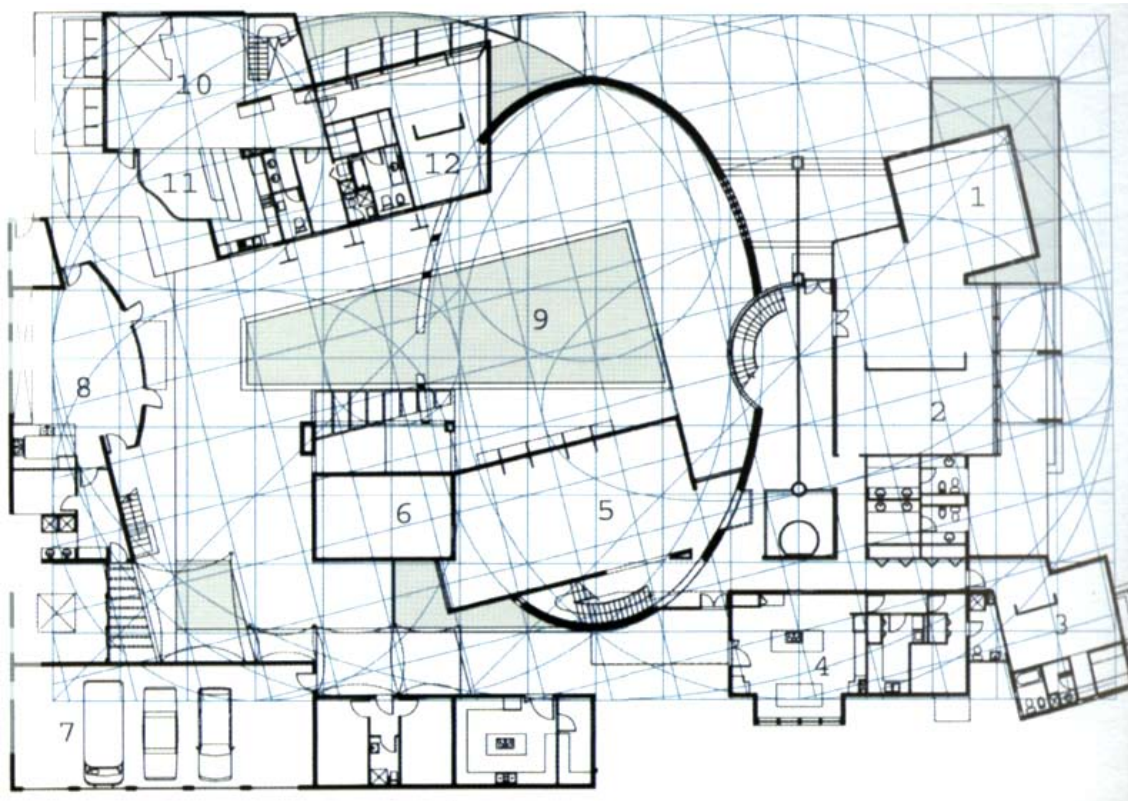
**Master Bedroom Quarter**

Bedroom and bathroom  
Office  
Private swimming pool

**Master Bedroom Quarter**

Three bedroom and bathroom  
Pantry  
Studios and Offices





**Entry Quarter:**

Drivers bedroom and bathroom  
Storage  
External pantry  
5 Car park space

**Sons Quarter:**

Living room  
Majlis and bathroom  
Dining  
Kitchen and storage  
Master bedroom and bathroom  
A bedroom and bathroom  
Office

**Guest Quarter:**

Living room  
Pantry and dining  
Master bedroom and bathroom









Manager | **Architect** | Planner



Single Family Residential Unit, Dubai, U.A.E.



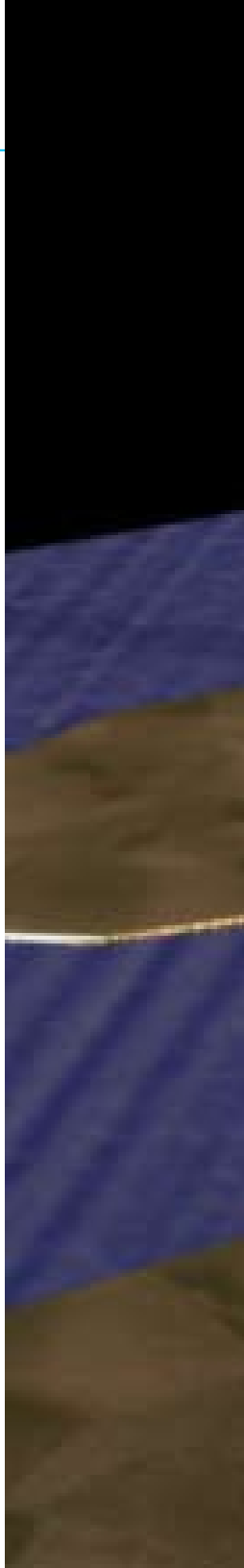
Space and Atomic Discovery Center, Dubai, U.A.E.

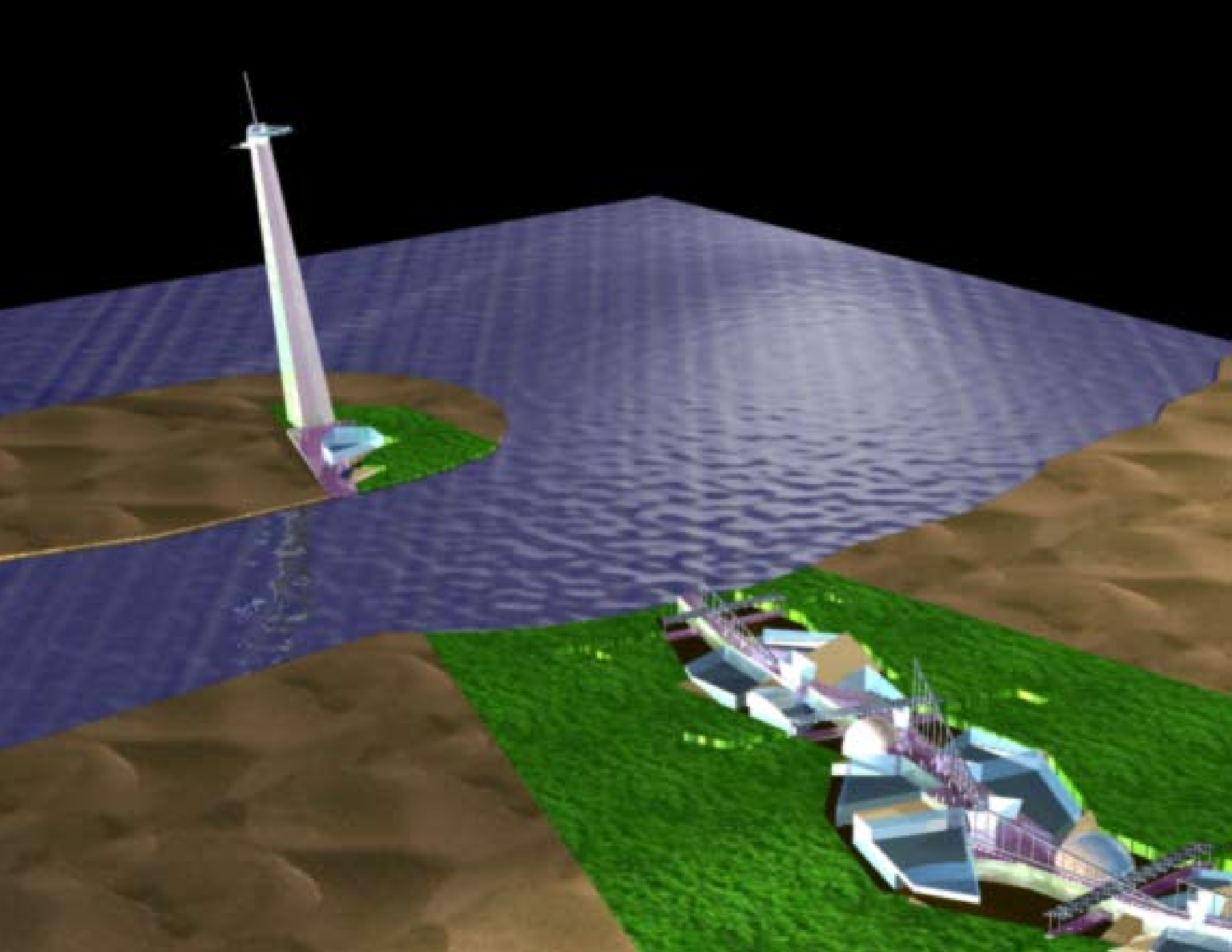
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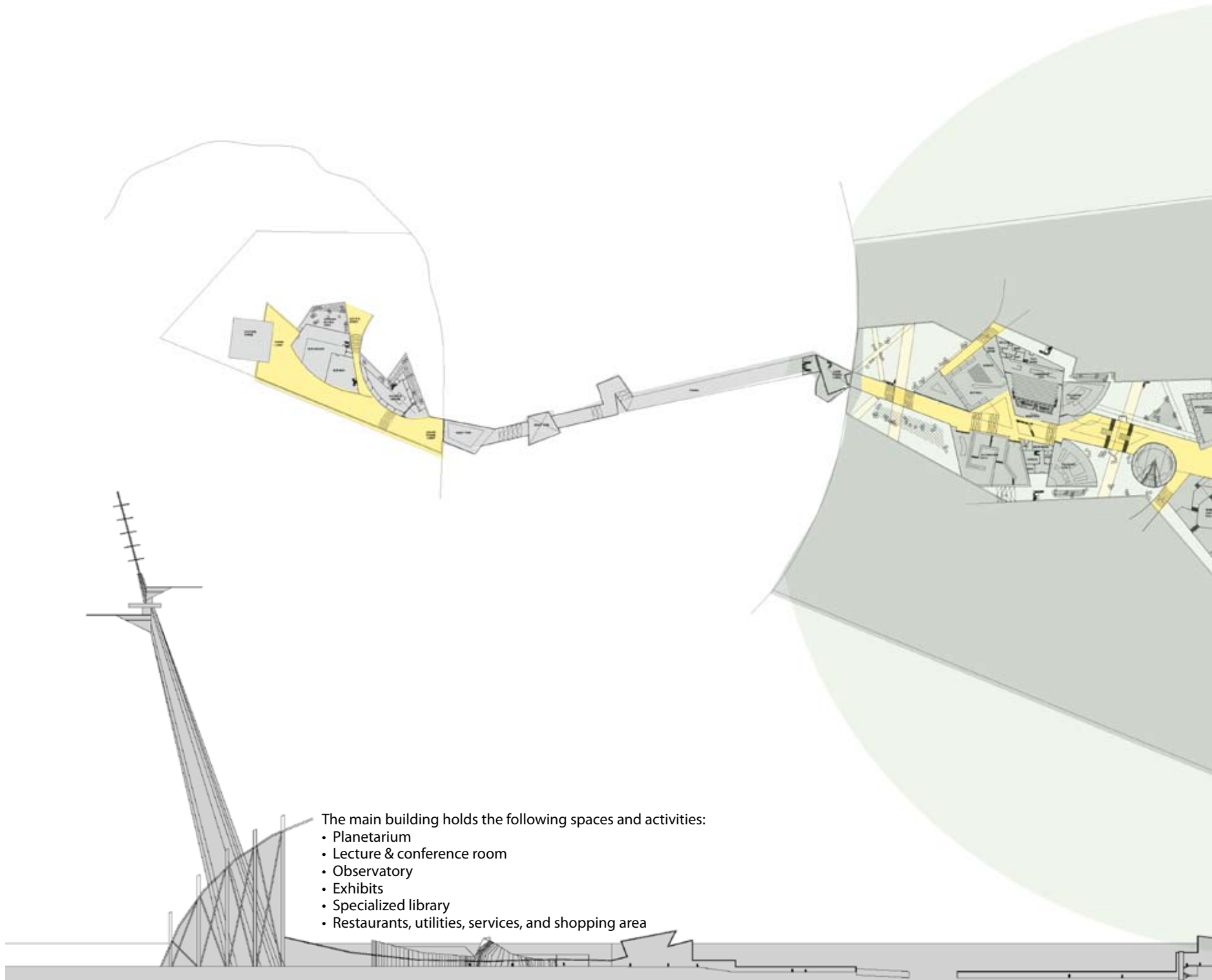
## Space and Atomic Discovery Center

**School:** U.A.E University, Alain  
**Degree:** Bachelor of Architectural Engineering  
**Project Location:** Dubai Creak, U.A.E.  
**Project Theme:** Journey of discovering the universe

Heisenberg's uncertainty principle says that one can never be exactly sure of both the position and the velocity of a particle; the more accurately one knows the one, the less accurately one can know the other. This project adapts Heisenberg's principle by creating a narrative space, by moving through the building one is being told the story of the universe through the configuration of the spaces.







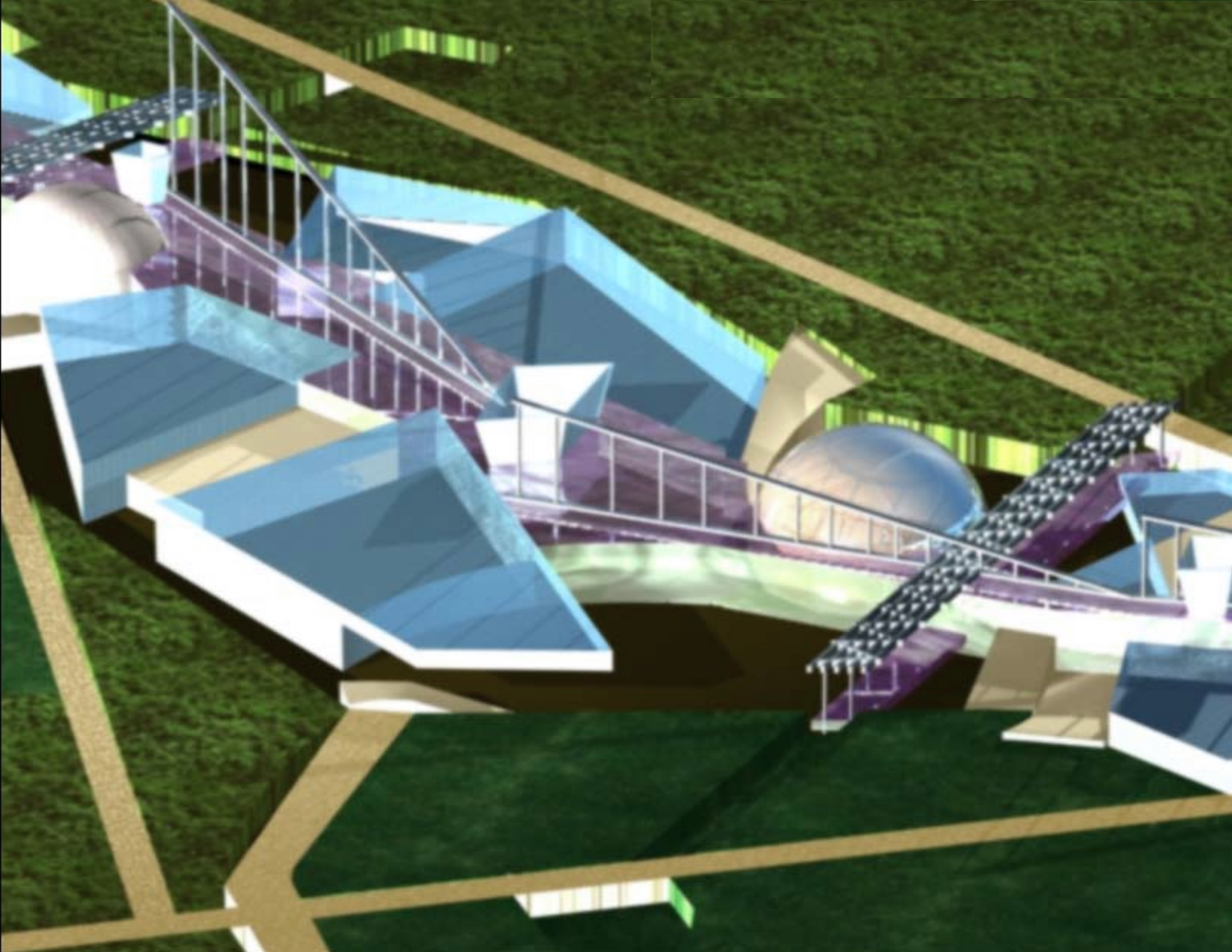
The main building holds the following spaces and activities:

- Planetarium
- Lecture & conference room
- Observatory
- Exhibits
- Specialized library
- Restaurants, utilities, services, and shopping area

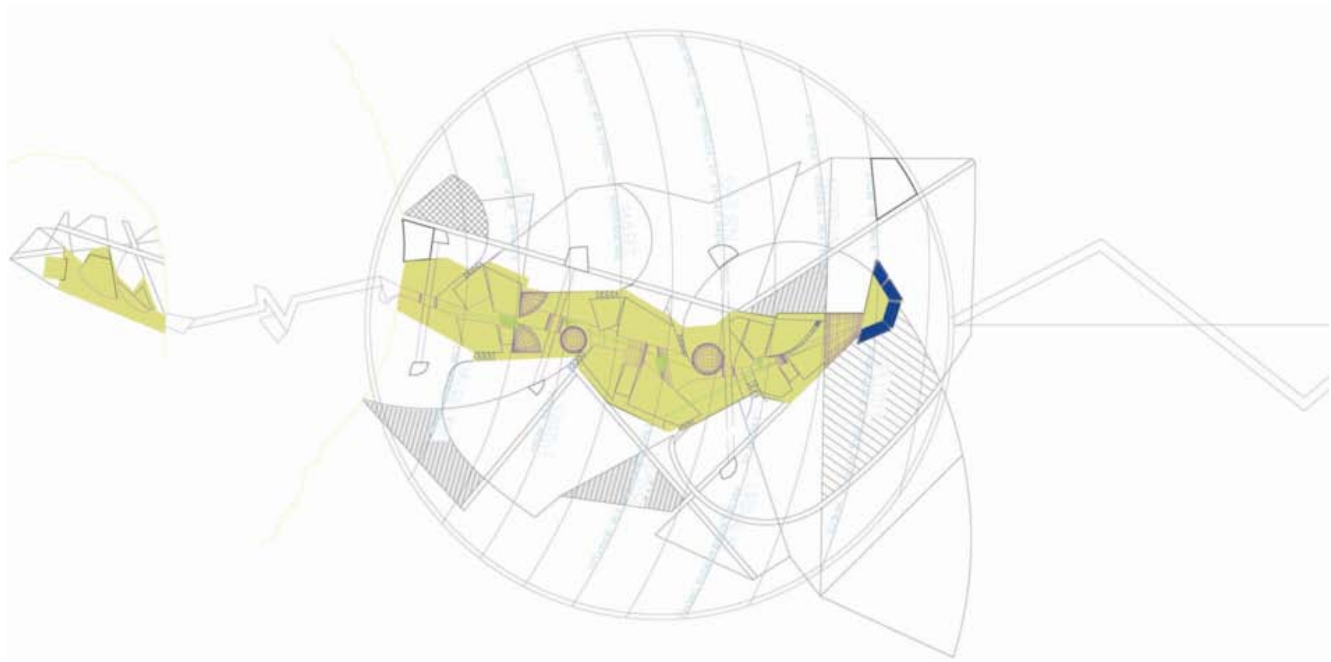
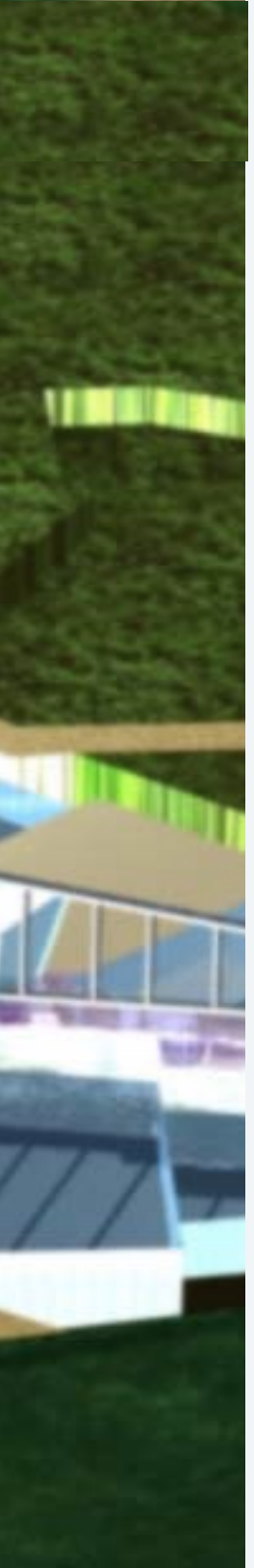


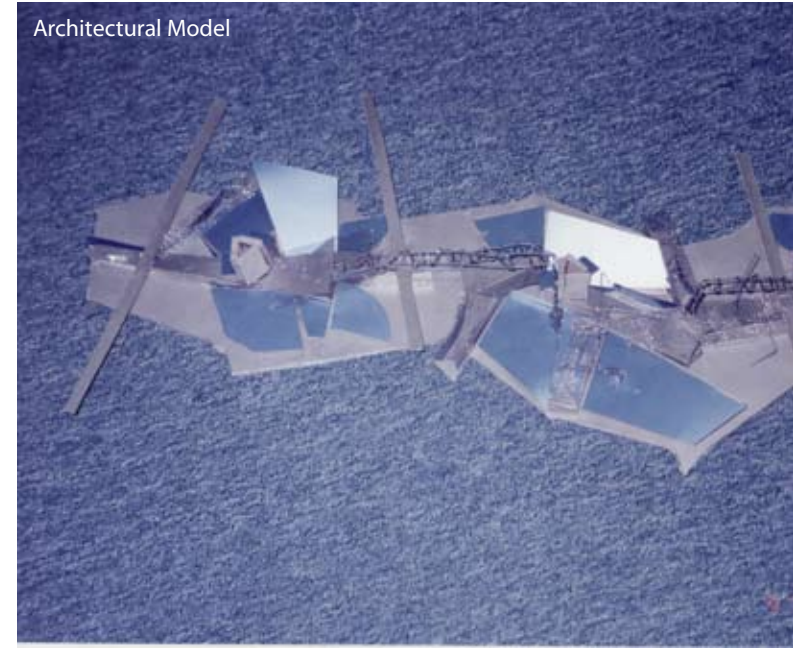
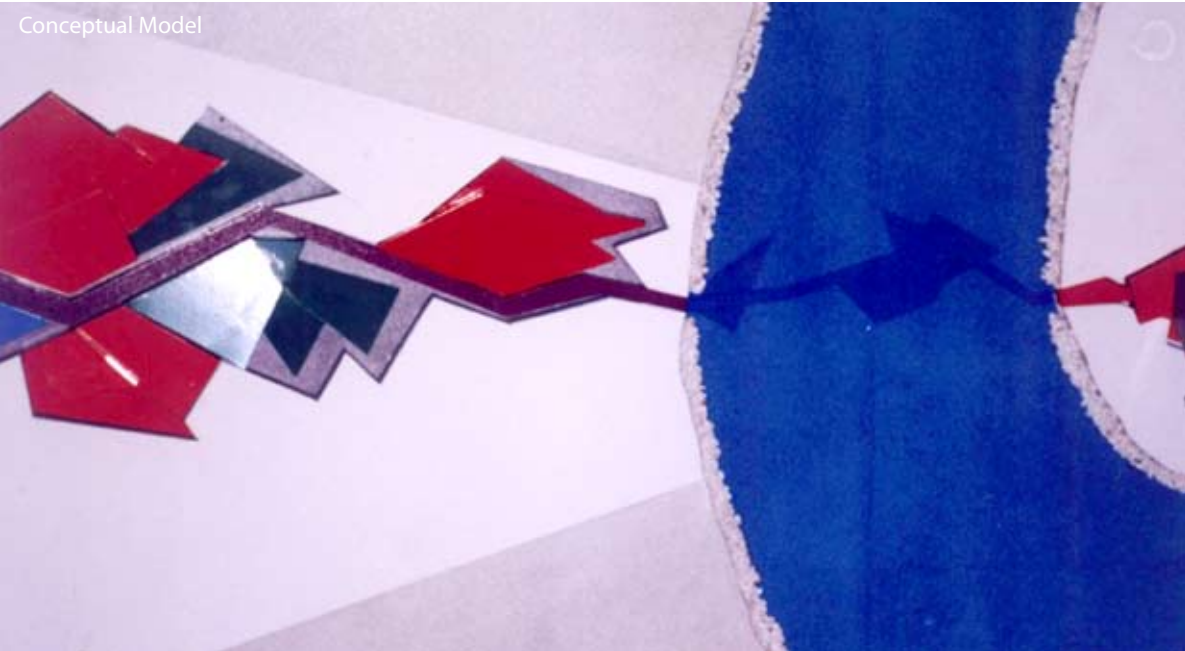
The project consists of three main parts:  
**First part** is the main building  
**Second part** is the tower  
**Third part** is the park





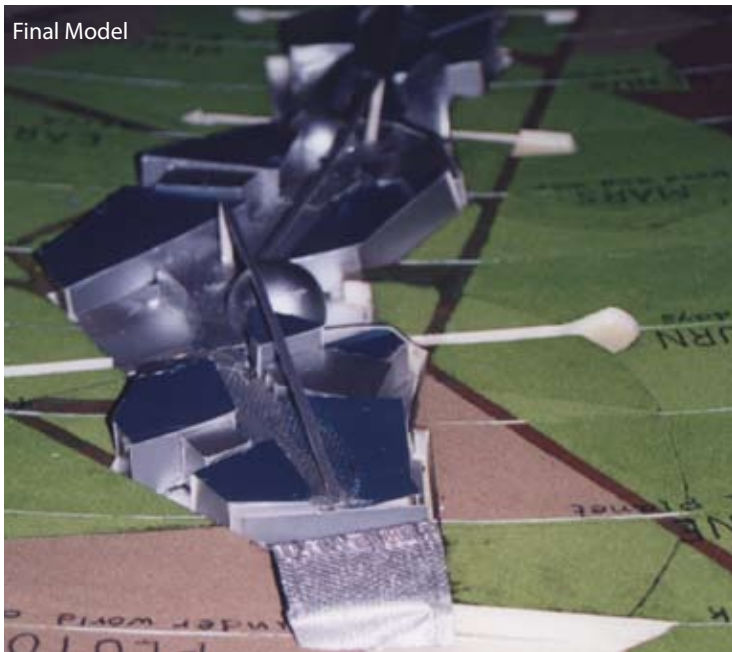




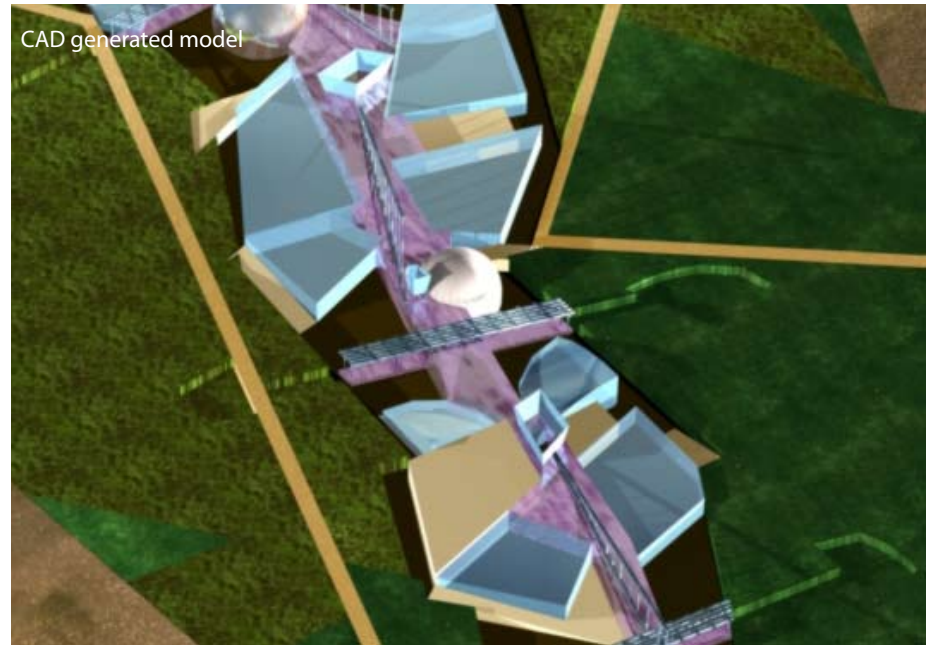




Final Model

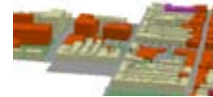


CAD generated model





Manager | Architect | **Planner**



SoPhi, Philadelphia, Pennsylvania

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## SoPhi, Washington Avenue

**School:** University of Pennsylvania  
**Degree:** Master Program of City Planning  
**Client:** Passyunk Civic Association  
**Project Location:** South Philadelphia, Pennsylvania

Downtown Plan for Washington Avenue recommends dense building massing on the west side of Washington Avenue with a gradual transition to a lower neighborhood scale in the approach to 6th Street. Additionally, the plan suggests the greening of Washington Avenue, including streetscape redesign and a raised median. Other areas addressed by the plan include streetscape design, key site designs, general design guidelines, and zoning proposals. The plan recommends implementation strategies, including a three-pronged phasing of development, the creation of a community development organization.





Broad St

13th St

12th St

11th St

10th St

09th St

08th St

07th St

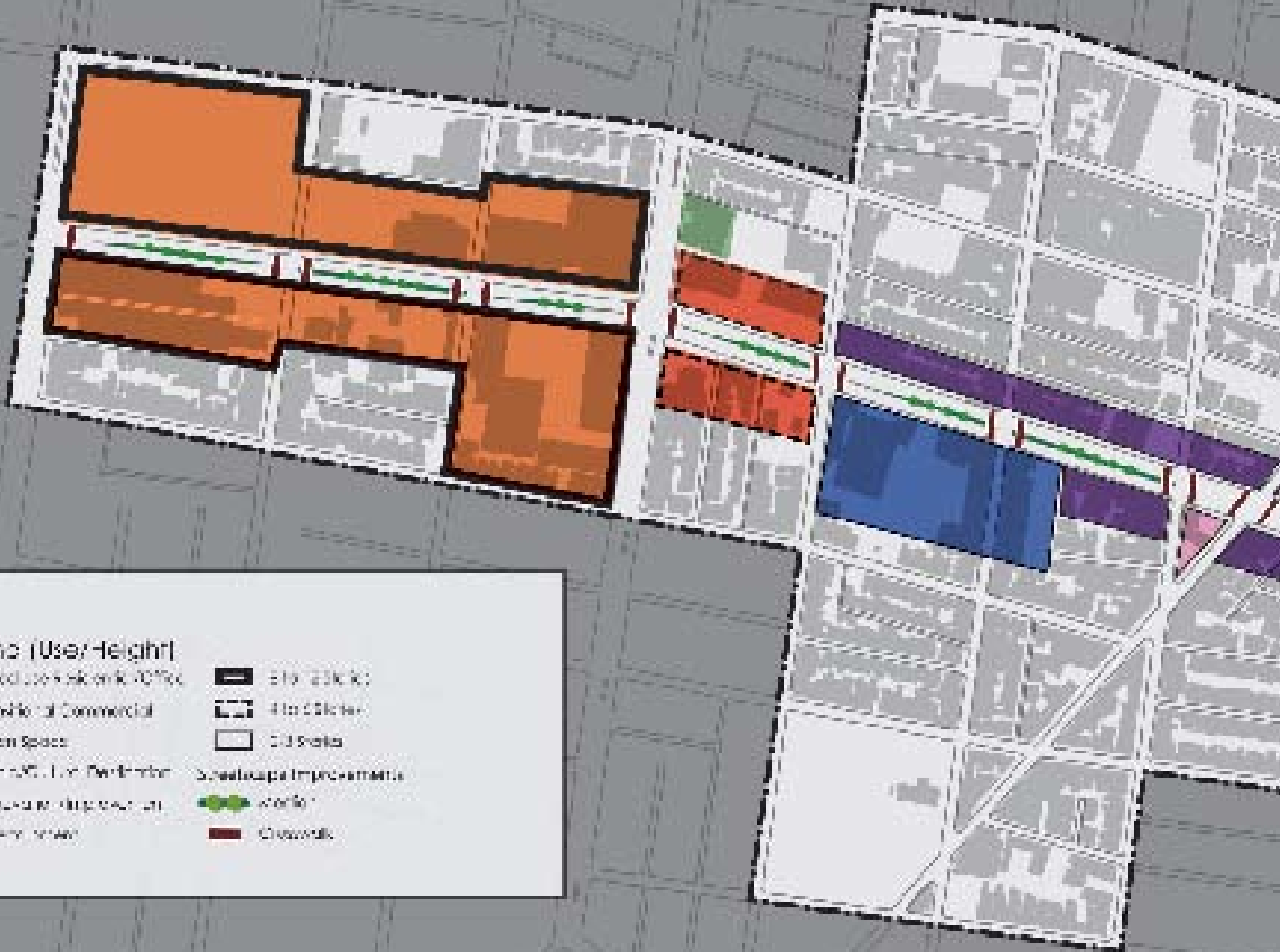
Passyunk Ave

Montrose St










Kimball St

Federal St

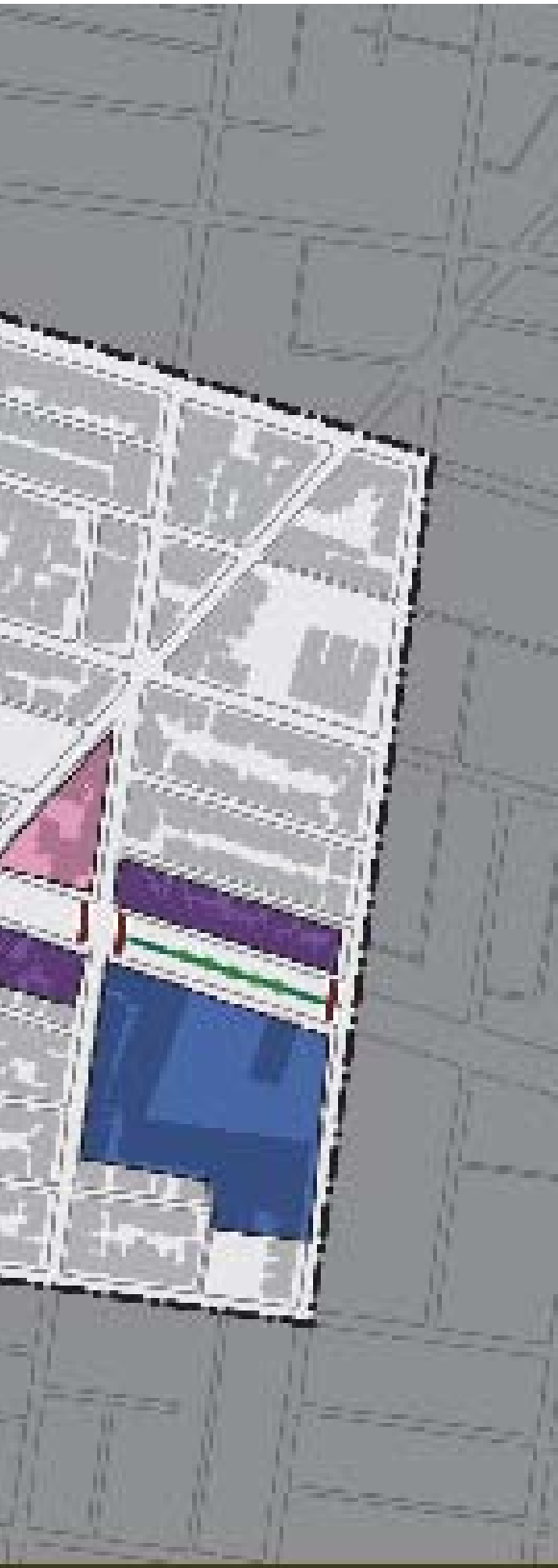
Wharton St

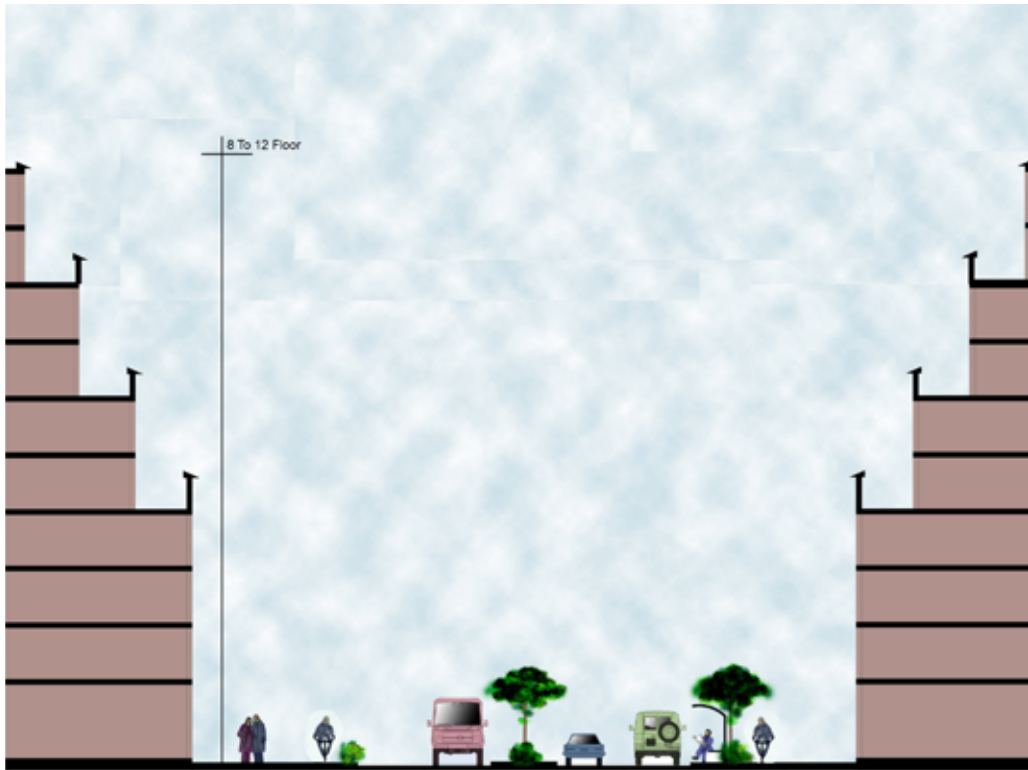


**Legend (Use/Height)**

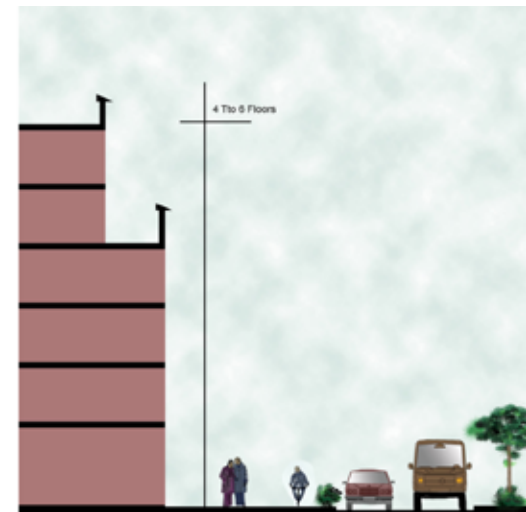
- |  |   |
|--|---|
|  Mixed Use (Retail/Office)  |  20+ Stories     |
|  Functional Commercial      |  4 to 20 Stories |
|  Open Space                 |  2-3 Stories     |
|  Medium Density Residential | <b>Streetscape Improvements</b>   |
|  Medium Density Residential |  "Green" Streets |
|  Other/Unlabeled            |  Crosswalk       |







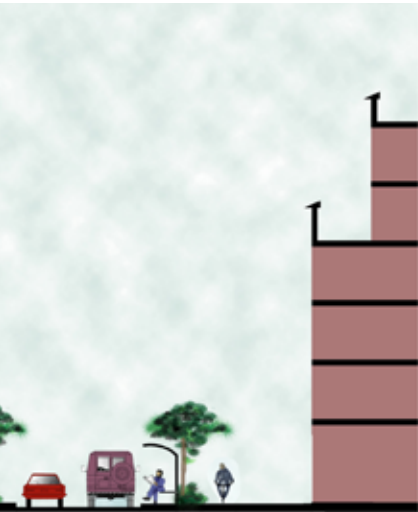
Broad street to 11th Street



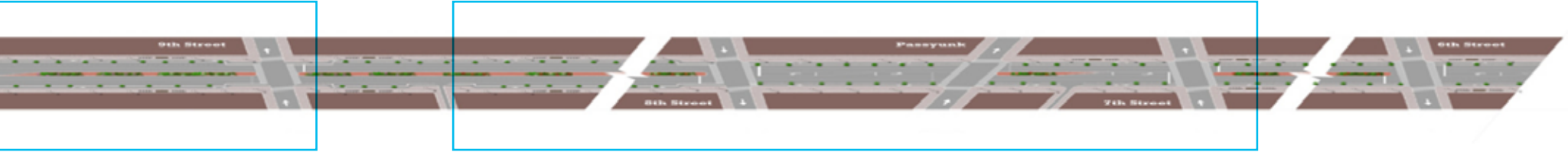
11th Street to 10th Street

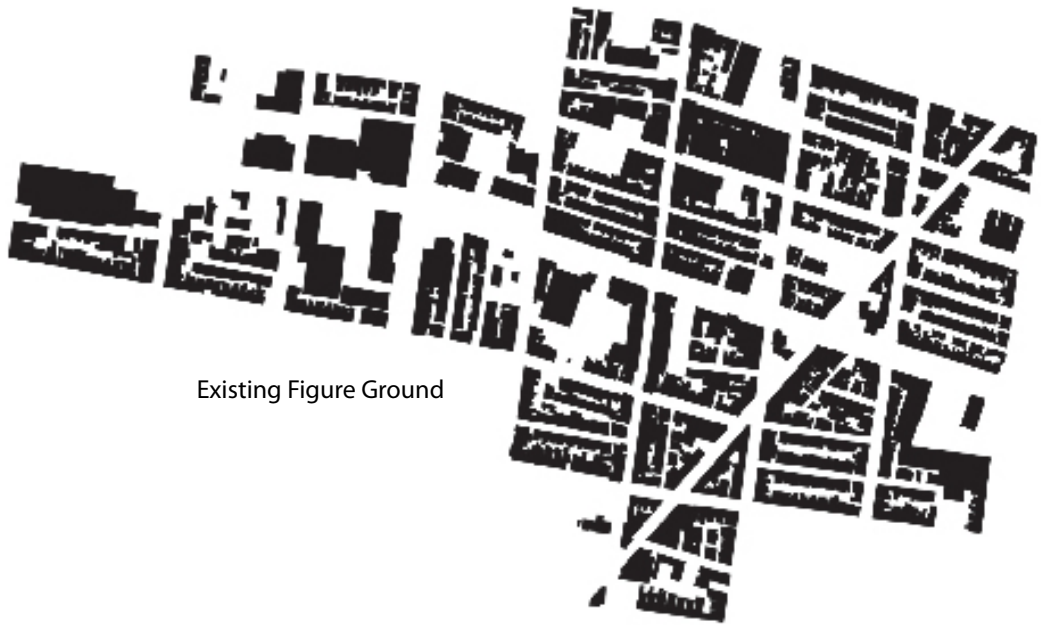


Design guidelines applying to streetscape and building facades along Washington Avenue will promote a more pleasant pedestrian experience and aesthetically appealing environment. The guidelines shall call for a green median, enhanced bicycle lanes, and street furniture.



10th Street to 6th Street





Existing Figure Ground

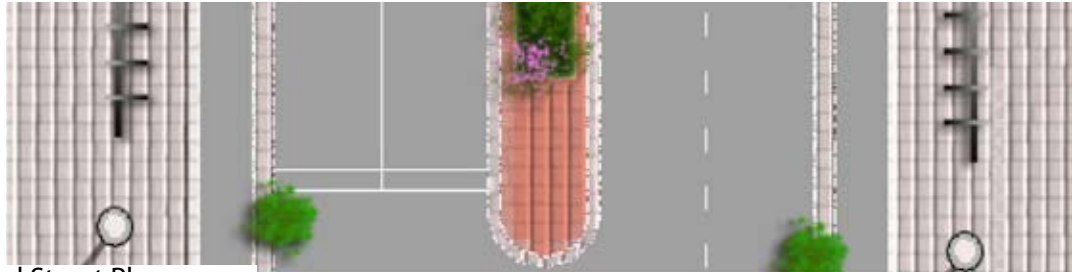




Proposed Plan

- Existing Development
- New Development
- Civic Buildings

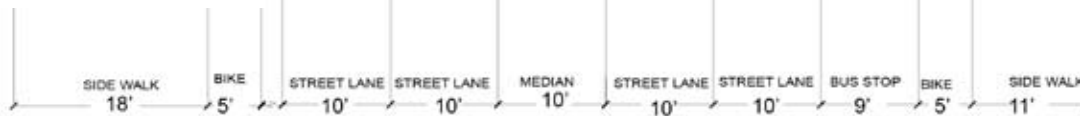




Proposed Street Plan



Proposed Street Section



Existing Street Section

