The Hashemite University
Department of Architecture

ARCH422: ARCHITECTURAL DESIGN 6

A. Al-Husban, Arch. E. Khassawneh, Arch. Q. Al-Khaldi

SPC: A5-B2

Project:Urban Design

Mohammad Ahmad Azab

Project Description: This project focuses on designing high-density neighborhood housing within Jordan's socio-cultural and environmental context. A design vocabulary is developed to encompass theoretical issues of urban design, urban spaces, urban structure, urban continuity, urban services, public realm, placemaking, defensible space, spatial planning, community identity, privacy, proximity, territoriality, quality of life, perception, regulations, architectural aesthetics, and details, etc.

CONCEPT 01

THE FLOW OF VITAL MOVEMENT.

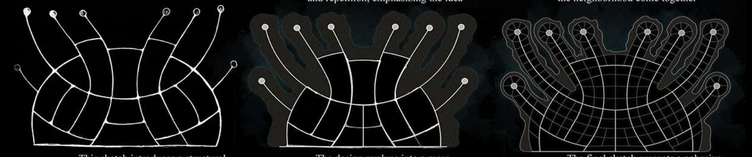
RESIDENTIAL NEIGHBORHOOD WITH ORGANIC URBAN FORM



01 This sketch explores the basic idea of using curves and waves as a foundational element to create a dynamic and interconnected design.

02 In this stage, the wave patterns are refined to create a more structured and balanced design. The circular elements introduce a sense of harmony and repetition, emphasizing the idea

03 The focus here is on creating an interwoven pattern that symbolizes connection and integration. The overlapping lines represent how different parts of the neighborhood come together



04 This sketch introduces a structural framework that organizes the wave patterns into a more defined layout.

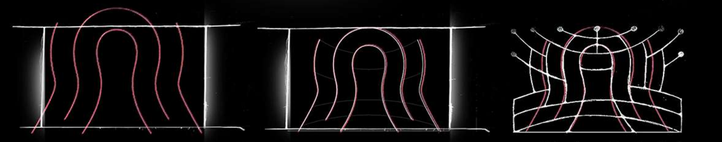
05 The design evolves into a more detailed layout, where the wave patterns are integrated into a grid system.

06 The final sketch presents a cohesive and harmonious design that combines the fluidity of waves with a clear structural framework.

CONCEPT 02

BLOOMING BY THE SHORE

RESIDENTIAL NEIGHBORHOOD ROOTED IN WATER



01 This sketch introduces the foundational wave pattern, emphasizing fluidity and movement. The simple curves set the stage for further development and integration into the neighborhood design

02 "This alternative refines the wave pattern by introducing more defined curves and intersections. The enhanced structure adds complexity while maintaining

03 This option combines the refined wave patterns with a structured grid system. The interplay between organic waves and rigid lines creates a balanced design



04 "This sketch explores a dynamic layout where the wave patterns are integrated into a flowing framework.

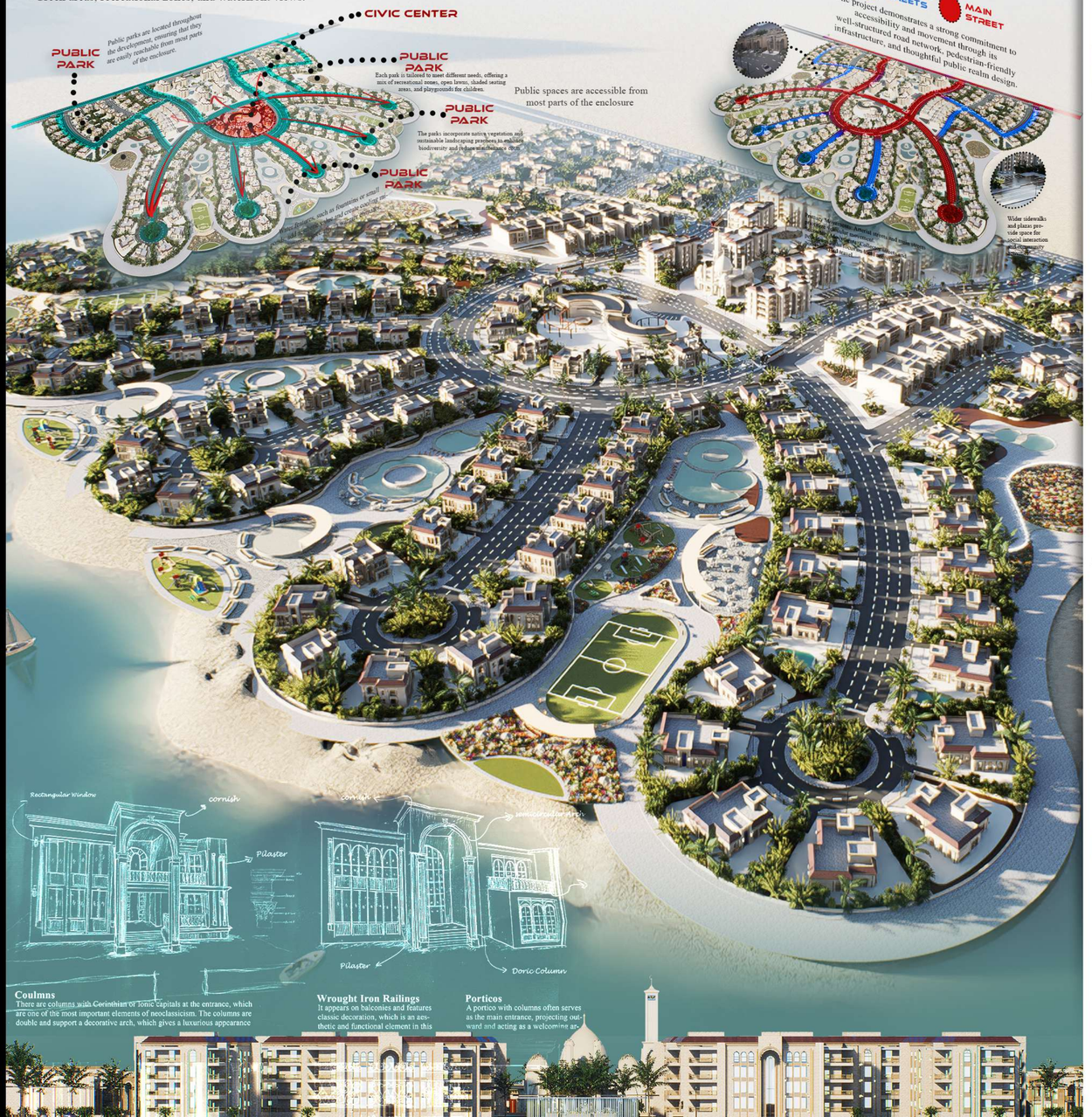
05 This alternative showcases the seamless integration of structured elements with wave forms. The combination ensures clarity and order while maintaining the fluidity and warmth of the design

06 "This final sketch presents a unified design that blends the structured grid with the organic wave patterns. The result is a cohesive

MOHAMD AZAB

RIPPLENEST NEIGHBORHOOD

- A variety of housing types (single-family homes, apartments, clustered buildings).
- Centralized and distributed public spaces.
- Green areas, recreational zones, and waterfront views.





ROW HOUSE

The Row House offers a modern and efficient living space with a well-planned layout. The ground floor includes essential areas like the living room, kitchen,



GROUND FLOOR PLAN 1:100

The first floor offers additional private spaces, including bedrooms and bathrooms, ensuring privacy and comfort for all residents. The layout promotes a seamless flow between different areas.

FIRST FLOOR PLAN 1:100

The first floor offers additional private spaces, including bedrooms and bathrooms, ensuring privacy and comfort for all residents. The layout promotes a seamless flow between different areas.

APARTMENTS

The apartment complex offers a modern and efficient living space with a well-planned layout. Each unit includes essential areas like the living room,



FLOOR PLAN

The apartment complex offers a modern and efficient living space with a well-planned layout. Each unit includes essential areas like the living room,

DOUBLE VILLA

The Double Villa is a meticulously designed residential structure that emphasizes functionality, comfort, and aesthetic appeal.



GROUND FLOOR 1:100

Welcome to the Double Villa, a harmonious and spacious home designed for comfort and elegance. This villa features a well-planned layout with ample living spaces, modern amenities, and tasteful finishes.

FIRST FLOOR 1:100

The Double Villa combines modern design with practical living. The ground floor features a spacious living room, kitchen, master bedroom, and dining area, while the first floor offers private bedrooms and a study room for added comfort.

SINGLE VILLA

The Single Villa offers a harmonious blend of modern design and traditional elegance. The ground floor layout includes a spacious living room, kitchen, master bedroom, dining area, and additional rooms for versatile use.



GROUND FLOOR PLAN 1:100

The villa's exterior features classic architectural elements with warm lighting that enhances its inviting ambiance. The well-manicured landscaping adds to the overall aesthetic appeal.

THE PROGRAM:

Living Room
Kitchen
Master Bedroom
Bathroom
Dining Room
Terrace

The Hashemite University
Department of Architecture

ARCH422: ARCHITECTURAL DESIGN 6

Dr. A. Al-Husban, Arch. E. Khassawneh, Arch. Q. Al-Khaldi

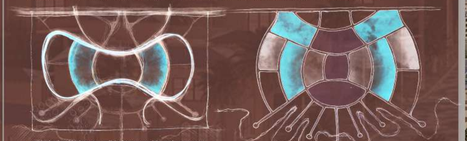
SPC: A5-B2

Project: Urban Design St. Name: Hamzah Al-Sayed

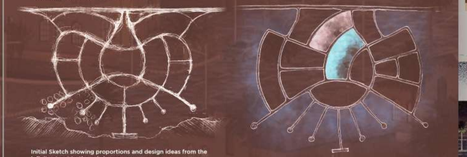
Project Description: This project focuses on designing high-density neighborhood housing within Jordan's socio-cultural and environmental context. A design vocabulary is developed to encompass theoretical issues of urban design, urban spaces, urban structure, urban continuity, urban services, public realm, placemaking, defensible space, spatial planning, community identity, privacy, proximity, territoriality, quality of life, perception, regulations, architectural aesthetics, and details, etc.

CONCEPT

This residential neighborhood is organized around cul-de-sacs to promote privacy, safety, and a strong sense of community. Its globally neutral identity and sustainable design make it adaptable, inclusive, and timeless.



With the land being accessible from one side and one street, the main street inside the neighborhood must reach the maximum area without being too long



Initial Sketch showing proportions and design ideas from the infinity street to the cul-de-sac



Then lining the edge of the beach and the integration of the Mediterranean sea water to the neighborhood, and defining the main whole blocks befor land subdivision

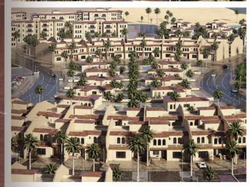
Continuing with the land subdivision, the baighborhood is made symmetrical to show strength, formality, unity and to emphasize the axis to the sea



THE CORAL

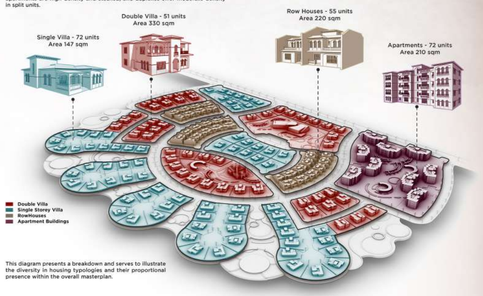
THE ART OF TIMELESS LIVING



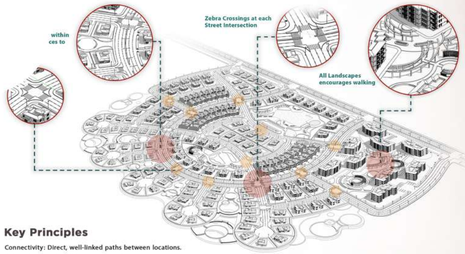


HOUSING STYLES

Housing typology classifies homes by form and density: single-family homes are low-density and detached, rowhouses are medium-density and attached, apartments are high-density and stacked, and duplexes offer moderate-density in split units.



This diagram presents a breakdown and serves to illustrate the diversity in housing typologies and their proportional presence within the overall masterplan.



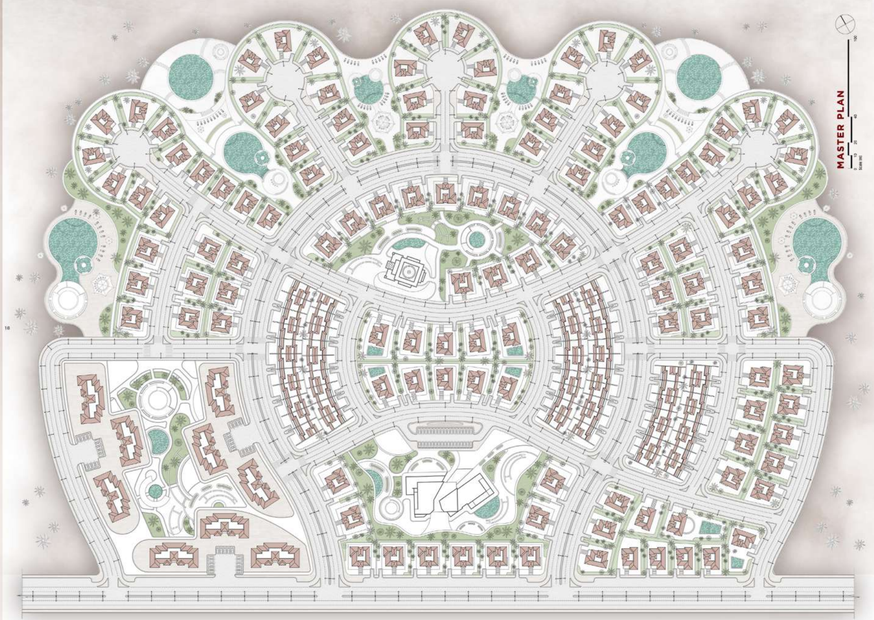
Key Principles

Connectivity: Direct, well-linked paths between locations.

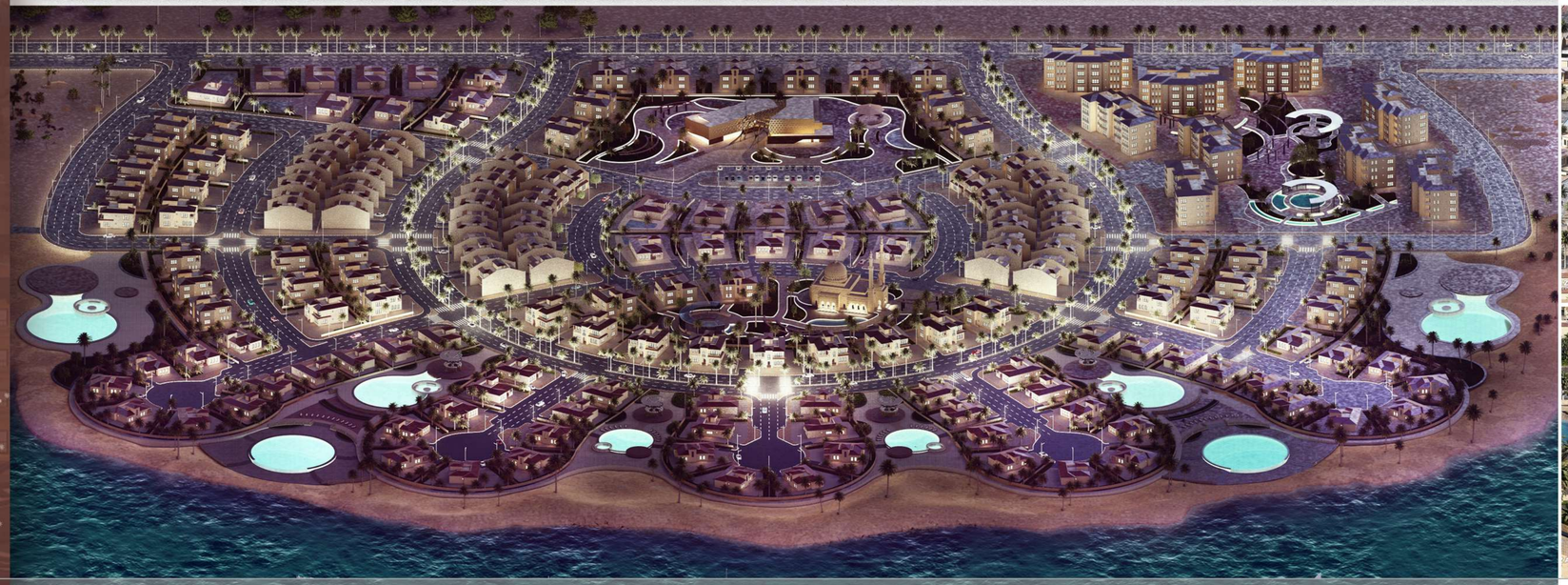
Safety: Protected, well-lit, and low-traffic pedestrian routes.

Human-Scale Design: Streets and buildings designed for comfort and visual interest.

Aesthetics: Pleasant environments with trees, art, and inviting facades.







UNITS

The neighborhood's Mediterranean-style units combine warm tones, simple forms, and climate-friendly features like shaded balconies, recessed entrances, and courtyards for comfort and charm.

DOUBLE VILLA

Area 330sqm

A luxurious two-level residence, Designed for larger families, it offers expansive living spaces, multiple bedrooms, and a private outdoor area.

SPACES DIMENSIONS

Living Room: 5 * 4.6m
Kitchen: 5.8 * 6m
Guest Room: 4.5 * 5.8m
Bedroom: 4.6 * 5.8m
Bathrooms: 2.4 * 1.5m
Bedroom: 3.9 * 4.6m
Master: 5.8 * 4.6m
Bathrooms: 2.4 * 1.5m



SINGLE VILLA

Area 147sqm

A spacious and elegantly designed home offering privacy and comfort. Ideal for families or individuals seeking easy accessibility and a seamless indoor-outdoor lifestyle.

SPACES DIMENSIONS

Living Room: 5 * 4.6m
Kitchen: 4.5 * 4m
Guest Room: 4.4 * 5.2m
Bedroom: 3.5 * 5m
Master: 4.5 * 4m
Bathrooms: 2.4 * 1.5m



ROW-HOUSE

Area 220sqm

A stylish and efficient housing option with a contemporary design, rowhouses offer a balance of affordability and functionality.

SPACES DIMENSIONS

Living Room: 5 * 4.6m
Kitchen: 5.8 * 6m
Guest Room: 4.5 * 5.8m
Bedroom: 4.6 * 5.8m
Bathrooms: 2.4 * 1.5m
Bedroom: 3.9 * 4.6m
Master: 5.8 * 4.6m
Bathrooms: 2.4 * 1.5m



APARTMENTS

Area 210sqm

A stylish and efficient housing option with a contemporary design, Apartments offer a balance of affordability and functionality.

SPACES DIMENSIONS

Living Room: 5 * 4.6m
Kitchen: 5.8 * 6m
Guest Room: 4.5 * 5.8m
Bedroom: 4.6 * 5.8m
Bathrooms: 2.4 * 1.5m
Bedroom: 3.9 * 4.6m
Master: 5.8 * 4.6m
Bathrooms: 2.4 * 1.5m







The Hashemite University
Department of Architecture
ARCH422: ARCHITECTURAL DESIGN 6

SPC: A5-B2

حي الآمال

PROJECT: Urban Design

St. Name: Razan Alamad

PROJECT DESCRIPTION: This project focuses on designing high-density neighborhood housing within Jordan's socio-cultural and environmental context. A design vocabulary is developed to encompass theoretical issues of urban design, urban spaces, urban structure, urban continuity, urban services, public realm, placemaking, defensible space, spatial planning, community identity, privacy, proximity, territoriality, quality of life, perception, regulations, archi-

DIVERSITY AND FORDABILITY OF HOUSING

Distribution and mixed-use buildings including homes, schools,shoops ,health care, leisure and employment. Proximity to services Facilities and public transportat s increasingly essential for social and economic reasons. A diversity of housing











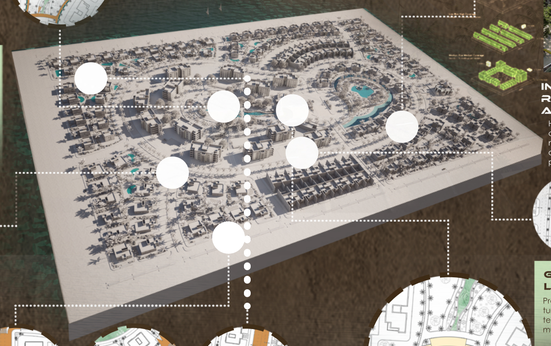
NEIGHBORHOODS THAT PROMOTE WALKING

SIDEWALKES are an essential component of the urban environment and serve as key corridors for people goods and commerc





DESIGN PRINCIPALS OF SUSTAINABLE NEIGHBORHOODS



HIGH QUALITY TRANSIT

Designing high- quality transits elements also means adopting sustainability principles and practices that minimize the negative environmental,social,and economic impacts of the transit system and maximize its positive contributions to the urban development.





INCREASE MOBILITY REGULATING PARKING AND ROAD USE

High density is the key to low- carbon cities, but to avoid congestion, housing needs to be close to public transport and jobes, talking into account the capacity of nearby transport modes.



GREEN SPACES (PUBLIC)

Provide public and private infastructure-such as roads,sewage systems,parkes, energy grides, telecommunication networkes



STREET NETWORK HIERARCHY

PRIMARY ROADS (free and limited- access high-

SECONDARY ROADS (major and artrial roads)

LOCAL ROADS (collectors and local streets)

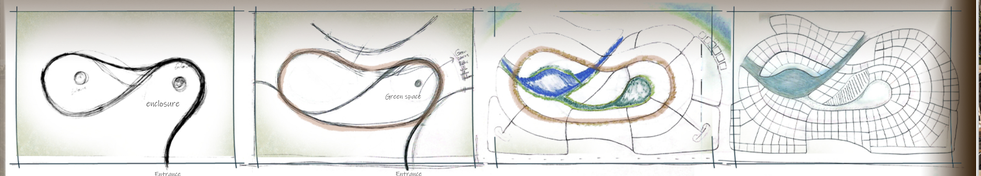






WHERE GREEN MEETS FLOW, THE CITY EMERGES AS A WHISPER WITHIN THE SOUL OF PLACE.

حي الآمال



01 The main street harmoniously weaves around the two key anchors of the site, forming a central park and water space.

02 The emphasis on the key anchors is reinforced by extending a line from the main street, ensuring continuity in movement and enhancing the connection between different spaces.

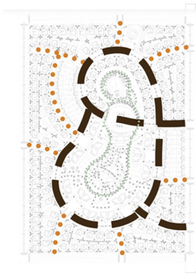
03 The pieces are distributed around the two centers to emphasize the importance of natural spaces and enhance interaction in the area.

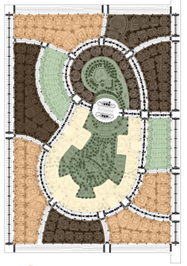
04 The units are distributed within the plot in two lines to reduce the number of streets and better utilize the spaces.

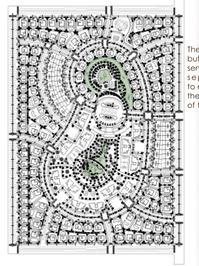
ACCESSIBILITY AND MOVEMENT

PRIVACY AND SURVEILLANCE









UNITS

DOUBLE VILLA



ROW HOUSE



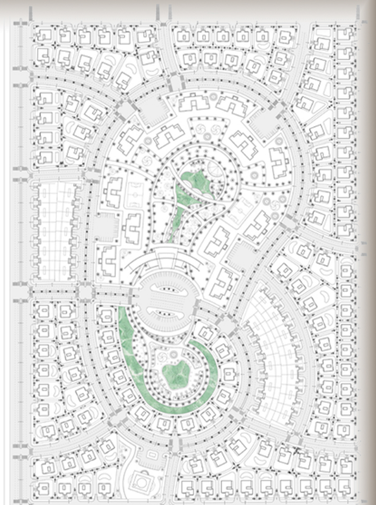
SINGLE VILLA



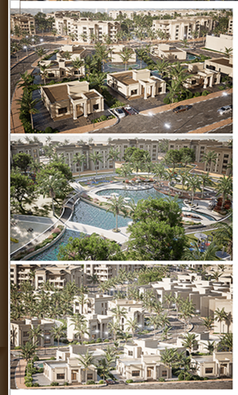
APARTMENT



MASTER PLAN















The Hashemite University
Department of Architecture

ARCH422: ARCHITECTURAL DESIGN 6

Dr. A. Al-Husban, Arch. E. Khassawneh, Arch. Q. Al-Khaldi

SPC: A5-B2

Project:Urban Design

St. Name: **MARAM ALESSAWI**

Project Description: This project focuses on designing high-density neighborhood housing within Jordan's socio-cultural and environmental context. A design vocabulary is developed to encompass theoretical issues of urban design, urban spaces, urban structure, urban continuity, urban services, public realm, place-making, defensible space, spatial planning, community identity, privacy, proximity, territoriality, quality of life, perception, regulations, architectural aesthetics, and details, etc.

CONCEPT

WHAT ?

Designing a residential neighborhood requires all its parts to work together in harmony, much like how the human body functions — where the ribcage protects and supports the internal organs, allowing them to work together as one unified system





Diagrams show a skeletal structure of curved streets connecting various zones.

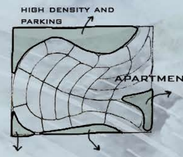


Central point represents the "heart" of the neighborhood where main services converge.



STREETS CIRCULATION







NAAB

The duplex villa 6 plots in this residential neighborhood.

area: 55015m

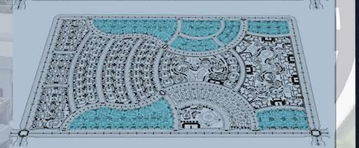




The single villa 7 plots in this residential neighborhood.

area: 65100m

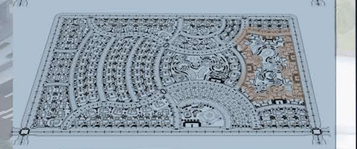




The apartment one Large plots in this residential neighborhood

area:36365m²

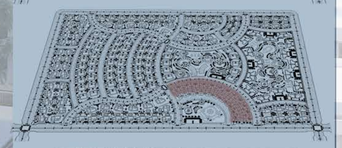




The row house one Large plots in this residential neighborhood.

area:10505m²

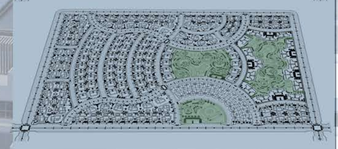




The Public place one Large plots in this residential neighborhood.

area: 27200m





حي النرجس



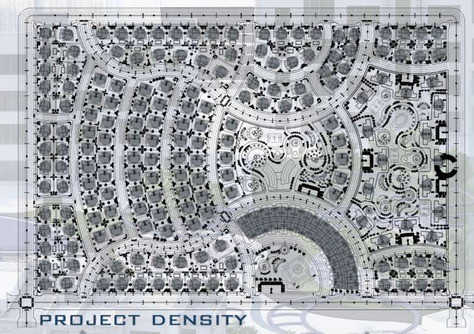


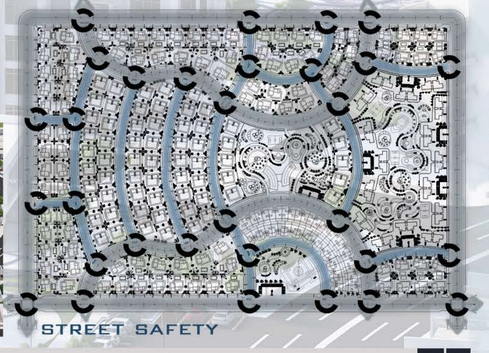




















DOUBLE VILLA

A DUPLEX VILLA IS A TWO-STORY HOME WITH SOCIAL SPACES DOWNSTAIRS AND PRIVATE BEDROOMS UPSTAIRS, OFFERING COMFORT, PRIVACY, AND A PRACTICAL LAYOUT.



QUANTITY : 81

PROGRAM :

LIVING ROOM
BEDROOM
MASTER BEDROOM
KITCHEN
GUEST ROOM
WC

AREA : 310m²





SINGLE VILLA

A SINGLE VILLA IS A PRIVATE, STANDALONE HOME WITH A GARDEN AND PARKING, IDEAL FOR FAMILIES SEEKING COMFORT AND PRIVACY.



PROGRAM :

LIVING ROOM
BEDROOM
MASTER BEDROOM
KITCHEN
GUEST ROOM
WC

AREA : 185m²

QUANTITY : 68





APARTMENT

AN APARTMENT IS A SMALL, AFFORDABLE HOME WITHIN A LARGER BUILDING, SUITED FOR CITY LIVING.

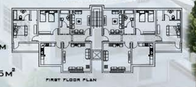


PROGRAM :

LIVING ROOM
BEDROOM
MASTER BEDROOM
KITCHEN
GUEST ROOM
WC

AREA : 185m²

QUANTITY : 16





ROW HOUSE

A ROW HOUSE IS A SMALL, AFFORDABLE HOME THAT PROVIDES PRIVACY AND SPACE EFFICIENCY.



PROGRAM :

LIVING ROOM
2 BEDROOM
MASTER BEDROOM
KITCHEN
GUEST ROOM
WC

AREA : 185m²

QUANTITY : 42



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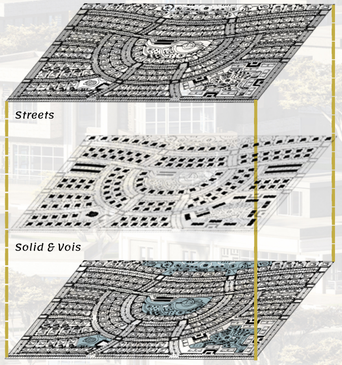


Project:Urban Design

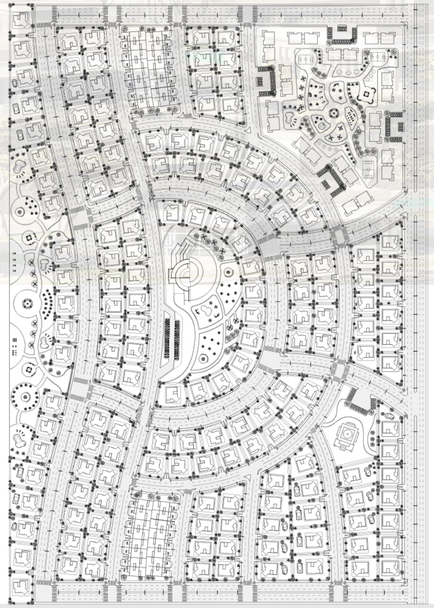
St. Name: Nada Belal Mustafa

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Layers (Master Plan)







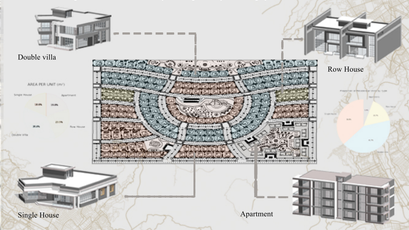




Units Diversity

DIVERSITY AND AFFORDABILITY OF HOUSING

A mix of residential and multifunctional buildings—such as homes, schools, retail spaces, healthcare centers, recreational facilities, and workplaces—located near essential services and accessible public transport is becoming increasingly vital for both social well-being and economic sustainability. Offering a variety of housing options is also crucial



Double Villa

Area : 326 m²

The Program	
Guest Room	22m²
Living Room	16m²
Dining Room	16m²
Kitchen	23m²
Bedroom	20m²
Bathroom	5m²



Row House

Area : 202 m²

The Program	
Guest Room	14m²
Living Room	12.5m²
Dining Room	10m²
Kitchen	23m²
Bedroom	20m²
Bathroom	4.5m²



Single House

Area : 160 m²

The Program	
Guest Room	22m²
Living Room	18.8m²
Kitchen	15.5m²
Bedroom	17m²
Bathroom	6m²



Apartment

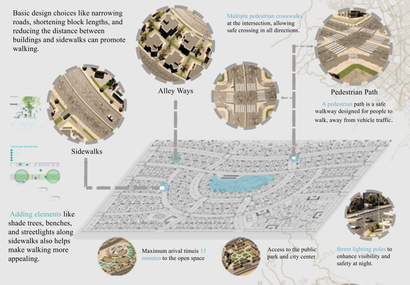
Area : 170 m²

The Program	
Guest Room	20m²
Living Room	19m²
Dining Room	15m²
Kitchen	18m²
Bedroom	20m²
Bathroom	5m²



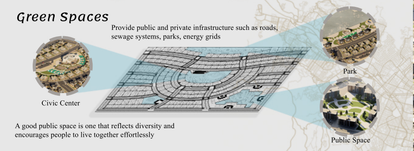
Walkability Supported

Basic design choices like narrowing roads, shortening block lengths, and reducing the distance between buildings and sidewalks can promote walking.



Green Spaces

Provide public and private infrastructure such as roads, sewage systems, parks, energy grids



A good public space is one that reflects diversity and encourages people to live together effortlessly













The Hashemite University
Department of Architecture
ARCH422: ARCHITECTURAL DESIGN 6
Dr. A. Al-Husban, Arch. E. Khassawneh, Arch. Q. Al-Khaldi

SPC: A5-B2



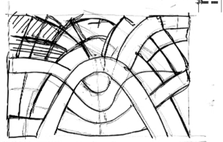
Project:Urban Design St. Name: Leen odeh

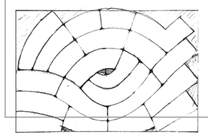
Project Description: This project focuses on designing high-density neighborhood housing within Jordan's socio-cultural and environmental context. A design vocabulary is developed to encompass theoretical issues of urban design, urban spaces, urban structure, urban continuity, urban services, public realm, placemaking, defensible space, spatial planning, community identity, privacy, proximity, territoriality, quality of life, perception, regulations, architectural aesthetics, and details, etc.

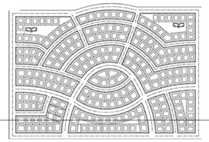
URBAN MASTER PLAN



Streets and blocks radiate outward in a circular or semi-circular manner, forming a visually coherent and organized pattern.





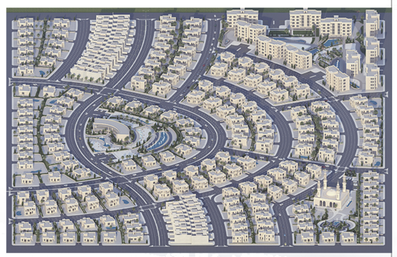




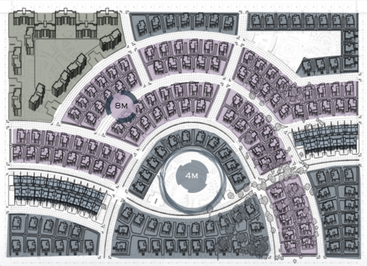






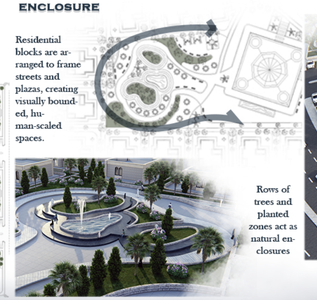






WALKABILITY AND PEDESTRIAN ZONES

ENCLOSURE







DOUBLE VILLA



SINGLE VILLA



NEO-CLASSICAL STYLE
A grand villa in neo-classical style, featuring tall columns, arched windows, and symmetrical design. The façade is elegant and formal, with classical details like balustrades and stone finishes, set within a landscaped courtyard.

ROW HOUSE



APARTMENT

