

# Presentation of the Project

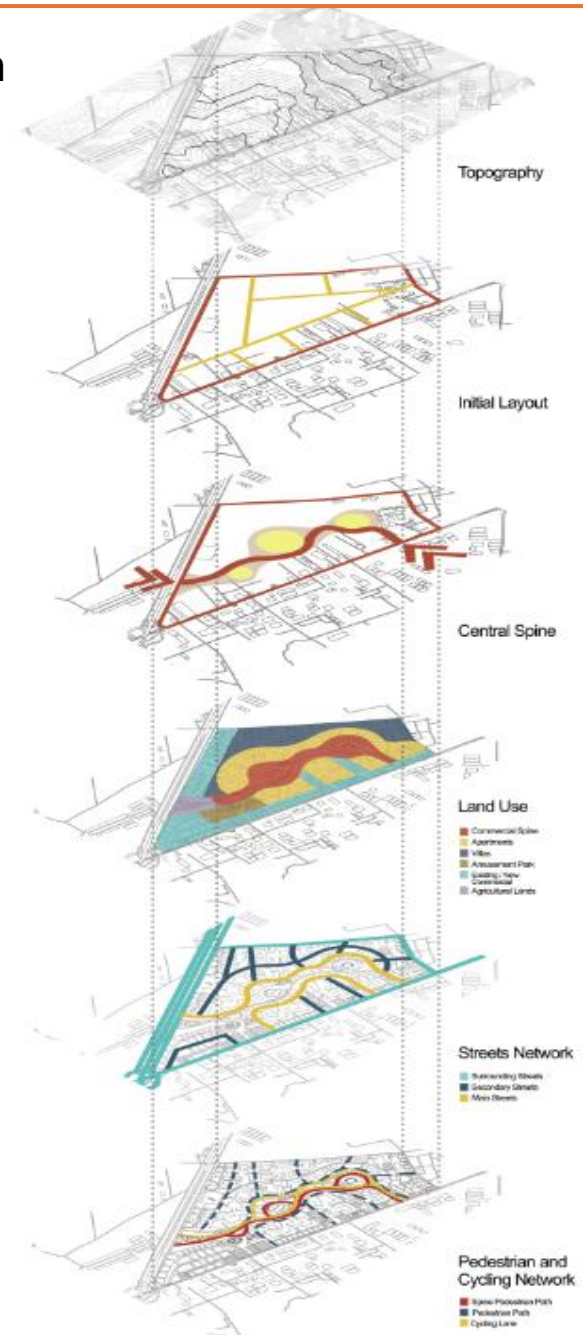
Document 2

# Design Concept

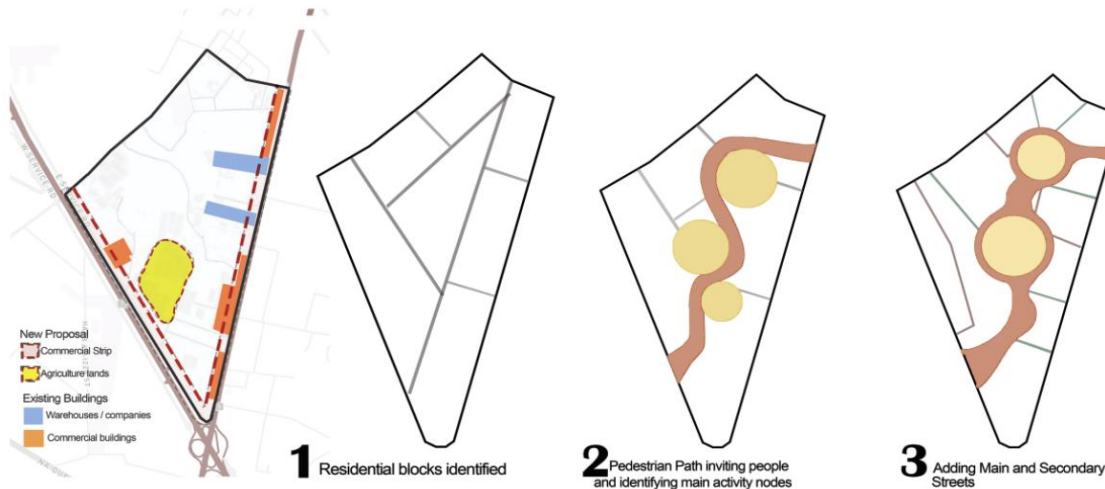
The design tells the story of traditional Jordanian life by giving each community its own identity, inspired by important aspects of the past—such as family gatherings, agriculture as a way of life, hospitality, and community areas as a key social space.



Exploded diagram showing urban planning layers



## Site Responses Concept Development



# Environmental assessment of the project

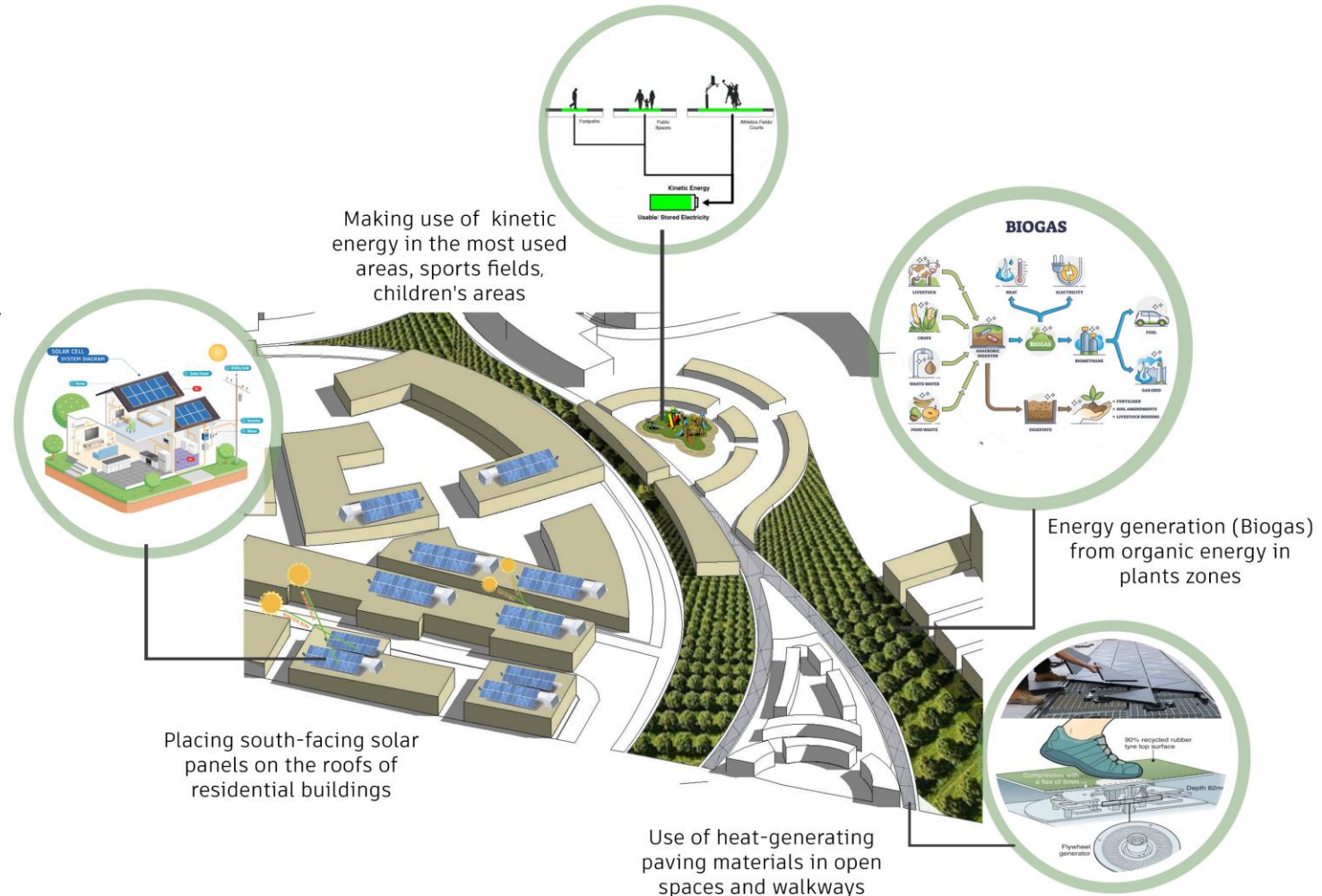
## Power Sustainability

In our project proposal , For the purpose of saving energy used to produce power, whether in residential units or at the level of public services and open spaces, we suggest :

1-Designing **solar panels** units on building roofs to face south for maximum benefit.

2-Utilizing **organic energy** in cultivated areas and converting it into fuel and other types of energy.

3- Use of **electricity-generating paving materials** in high-traffic areas and playgrounds.





# Environmental assessment of the project

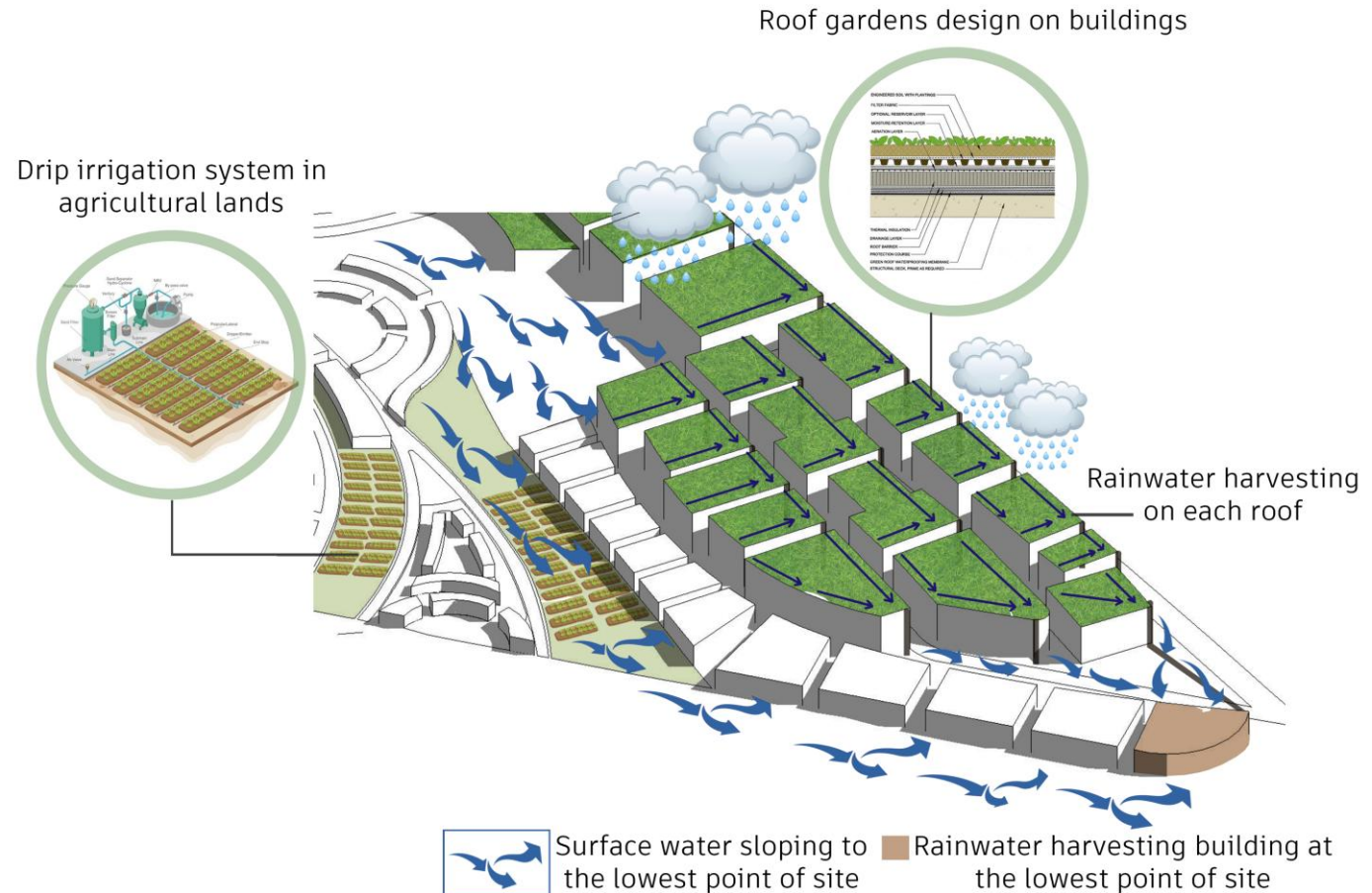
## Water Sustainability

Also in our design, we propose some solutions to reduce water loss at the site level and make the most use of it, including:

1- At the lowest point on the site, we have **placed a building to collect rainwater**, and surface water running off the natural slope, and excess water from the roofs of the buildings.

2-Using **drip irrigation** system in planted areas along the site

3-Designing **roof gardens** at the top of the buildings ,because It reduces the water that evaporates without being used.



# Environmental assessment of the project

## Green Sustainability

For enhancing green sustainability in our master plan design, we suggest:

- 1- **Creating community gardens and pocket gardens** across residential and public spaces to encourage local food production, enhance biodiversity, and strengthen community interaction.
- 2- Planting native trees as **natural buffers** along roads and between different zones to reduce noise, improve air quality, and provide shaded areas for pedestrians.
- 3- Designing **green roofs** on residential, commercial, and public buildings to reduce heat absorption, manage rainwater, and promote biodiversity.
- 4- **Using native and drought-resistant plants** in all landscaped areas to minimize water consumption and maintenance needs.



- 5- Allocating spaces for **urban farming** to support local food supply, reduce transportation emissions, and provide educational opportunities for the community.

# Evaluation of the community benefits of the project

## Project goals

**1. Health:** Creating a **buffer zone between residential and commercial areas** to enhance public health and comfort.

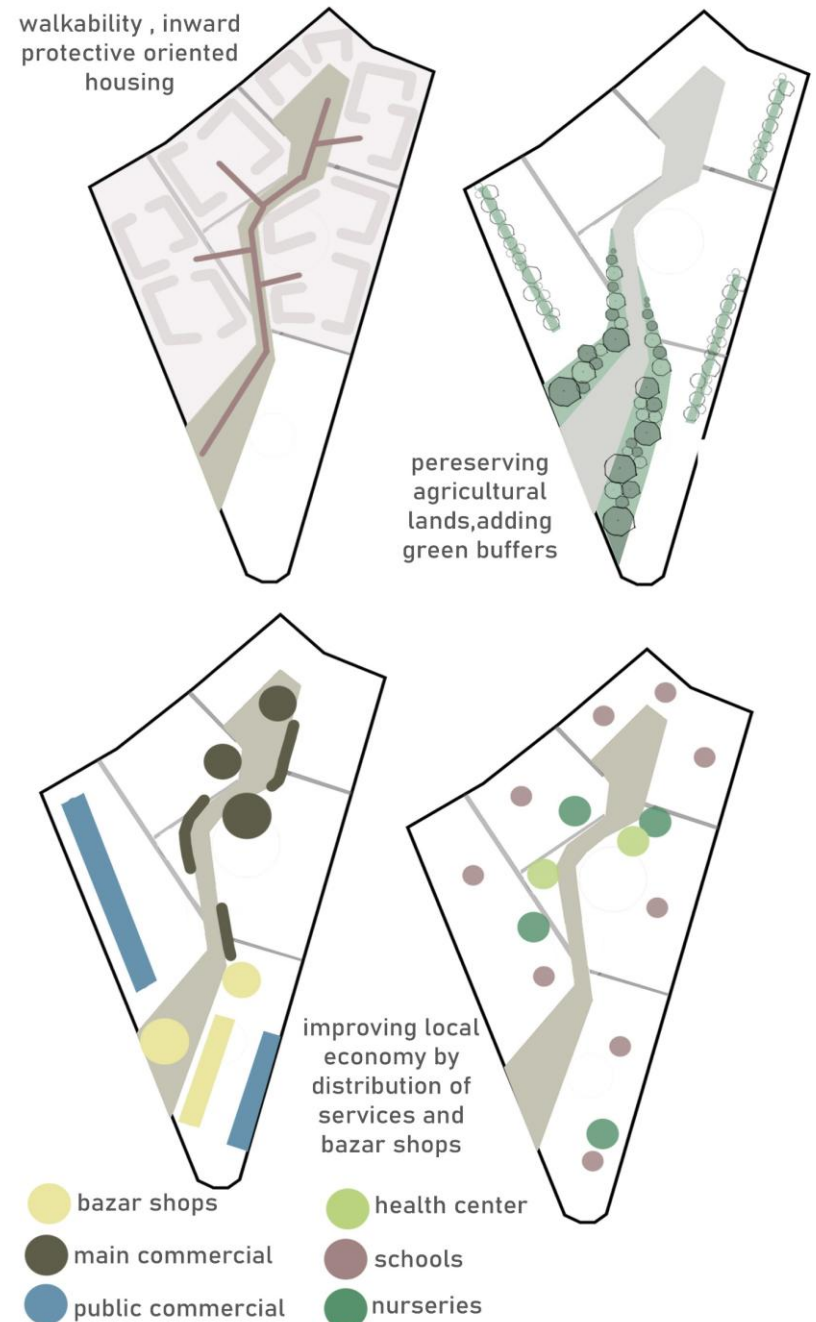
**2. Public Safety:** Enhancing **safety measures** and implementing effective solutions to ensure the security of the area.

**3. Walkability:** Improving **infrastructure** to make areas walkable in a safe and convenient manner.

**4. Provision of Services & Facilities:** Providing **government schools and clinics** to serve the local community.

**5. Economic Goals:** Supporting **the local economy** through the establishment of pharmacies, schools, and commercial shops.

**6. Environmental Protection:** this is implemented through **preserving natural areas**, such as agricultural land, and making them beneficial for the community.





# Evaluation of the community benefits of the project

In our project proposal, and in support of **Social Sustainability**, we aim to create inclusive, engaging, and community-oriented spaces that foster social interaction, cultural exchange, and a sense of belonging. Therefore, we suggest:

**1. Theater Zone:** Designing an open-air theater as a platform for cultural performances, community events, and local storytelling to strengthen cultural identity and social cohesion.

**2. Kids Zone:** Establishing a safe, interactive play area that encourages early childhood development, creativity, and integration between children from diverse backgrounds.

**3. Bazaar Zone:** Creating a community market space that supports local artisans and small businesses, encouraging local economic participation and enhancing social interaction among visitors.

**4. Cafe Zone:** Introducing a socially-oriented café space that serves as a community hub, promoting dialogue, inclusion, and shared experiences through casual social gatherings.

