

**Cat line and Recommendation on the Historic Urban Landscape-
The U2 Black Cat Squadron monuments and new urbanism in
Taoyuan aerotropolis area**

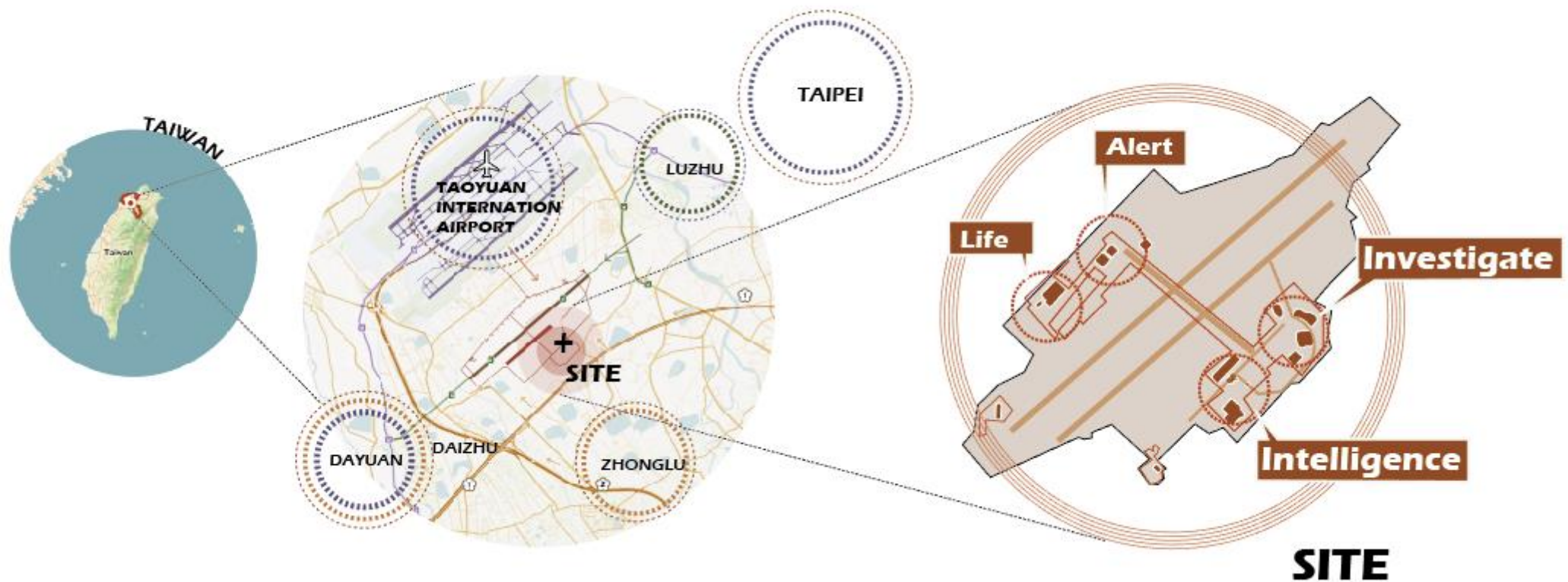
Project Statement

As a national-level major construction project in Taiwan, this site is located within the new urban development area of the Taoyuan International Airport Zone . It was formerly the base of the **U2 Air Force Black Cat Squadron**, a **cooperative venture** between the **US and Taiwan** during **the Cold War**.

The theme of the master planning is “ **Timeless and Sustainable Aerotropolis**.” Through the intersection of the Recommendation on the **Historic Urban Landscape**, aim to **preserve** the cultural assets of the Black Cat Squadron and **recreate** the historical site, thereby preserving the past space and showcasing its history, to create a temporal and spatial passage. Additionally, the plan takes into account human-centered convenient green corridors, shaping a park that embodies coexistence of people, greenery, and culture. It also highlights the friendly integration of history and environment by connecting various historical and natural elements. **Simplified design methods** will **connect with the original historic monument spaces and interfaces, revitalizing the surroundings and incorporating park green spaces**. This will become an important historical texture and green recreational space linking past and future urban development, and will also be a **significant highlight of the future Taoyuan Aerotropolis National Airport Gateway area** in Taiwan.

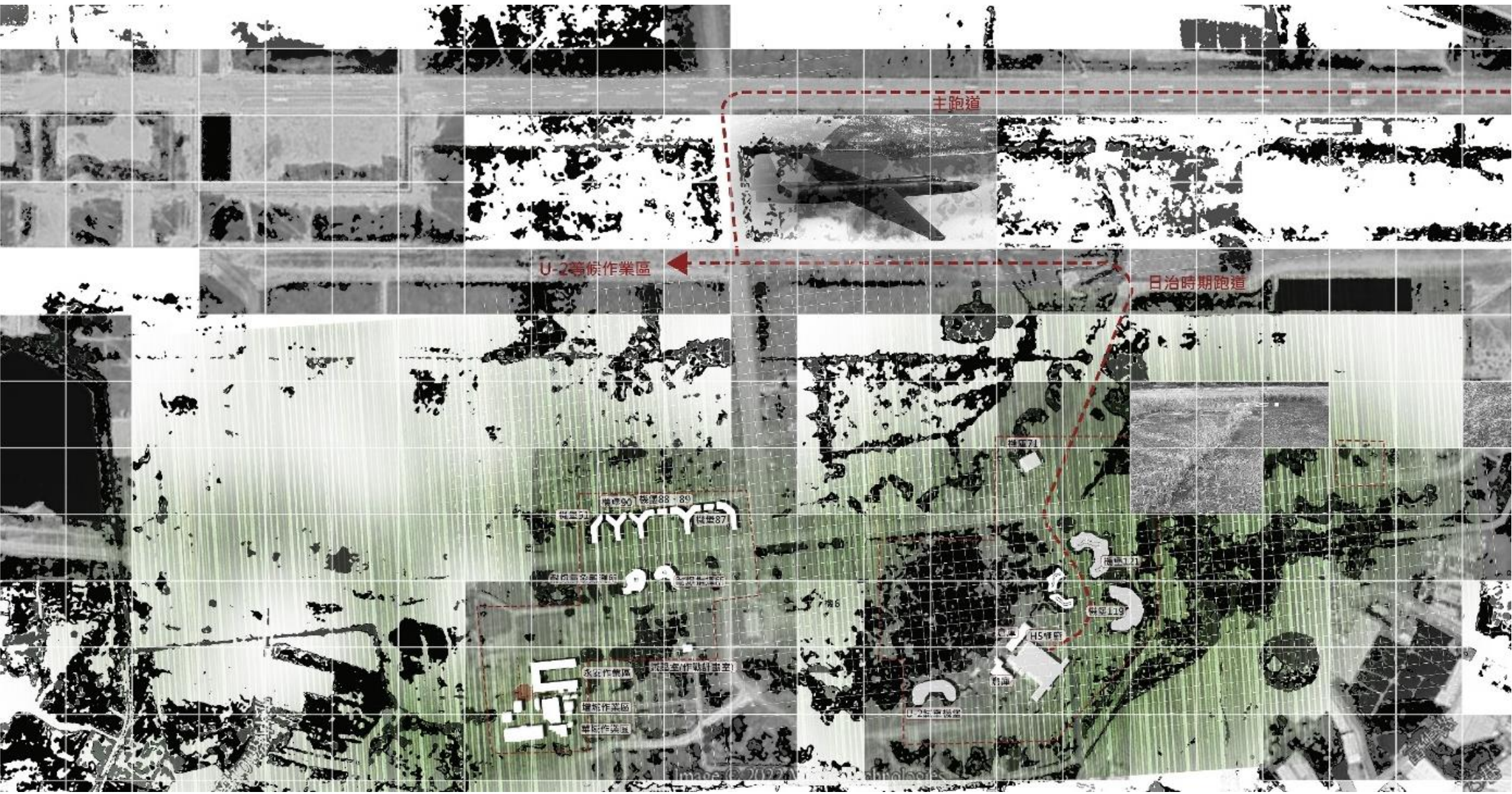
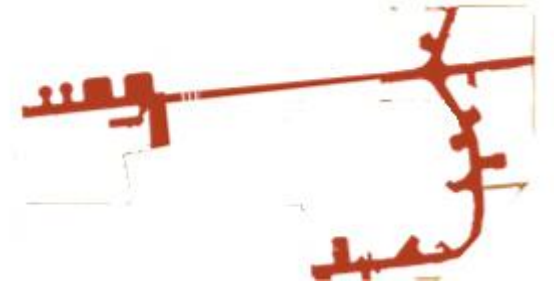
SITE POSITION

The site is located in Taoyuan City, Taiwan, within the Taoyuan International Airport Zone and its surrounding designated planning area, encompassing approximately 203,368 square meters. This area preserves the historical landscape of the U2 high-altitude reconnaissance squadron base, a remnant of the Cold War era collaboration between the United States and Taiwan.



CAT Line

The historical urban landscape connected by the old runways and facilities preserved from the U2 high-altitude reconnaissance squadron base, a cooperative venture between the US and Taiwan during the Cold War.



CAT Line + UNESCO+SDGs

The design principles of this project are based on the 2011 HUL Recommendation and the Sustainable Development Goals (SDGs) as the planning principles for the future urban park. The following are the key directions for the future vision:



Historical and Cultural Collection

Community
Interaction and
Collaboration



Hosting Various Activities
to Observe Settlement
Traces and Bring Cultural
Heritage Closer

HISTORICAL DEVELOPMENT

Human and Cultural History of the Base -2014Taoyuan Landscape Art Festival



In the past, this area was a closed naval base. Through the leadership of the Taoyuan City Government, the military-use Naval Taoyuan Base was transformed into a performance venue open to the public. Taking this opportunity, the city government designated the historical landscape as a heritage site, thereby establishing the historical tone for subsequent designs.

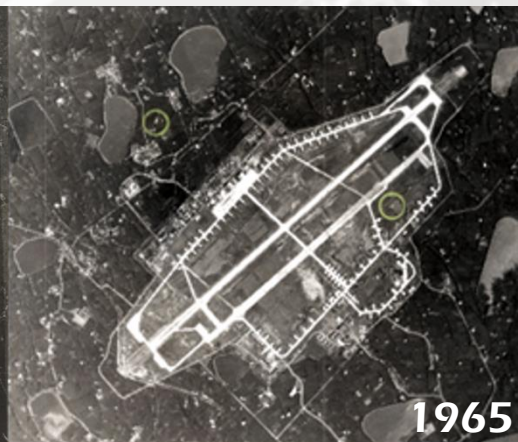
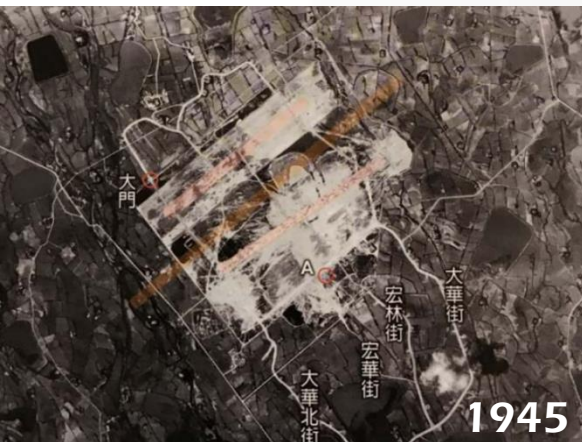


HISTORICAL DEVELOPMENT

CAT Lline -timeline

The site of this project was formerly the "Taoyuan Air Base." The air base was originally built in 1944 during the Japanese colonial period. The history of the base can be divided into four periods:

- 1 World War II: era
- 2 Chinese Civil War: era
- 3 Cold War: era
- 4 Post-US-Taiwan Diplomatic Break: The period from the severance of US-Taiwan diplomatic relations to the decommissioning of Taoyuan Air



HISTORICAL DEVELOPMENT

CAT Lline -timeline



1944

Construction of the Taoyuan Air Base during the Japanese colonial period.

1951

US military assistance advisory group stationed

1961

35th Squadron was founded

1972

- END of PROJECT RAZOR

1973

U.S. President Richard Nixon visited PRC

2014

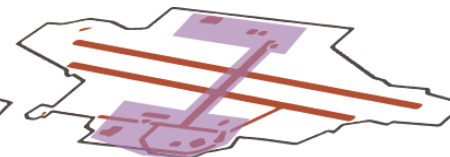
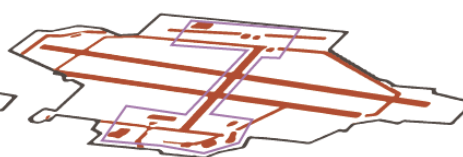
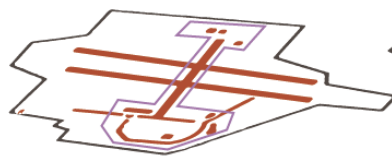
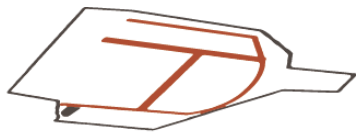
Taoyuan Landscape Art Festival

2016

The Black Cat Squadron base area was designated as a historical monument in Taiwan

2023

New urban development



1945

Construction of the Main Runway

1956

Military zones were established

1965

It became a frontline in the Cold War conflict between the East and West

1978

facilities were gradually constructed

2023

New urban development

Future Urban Planning Division

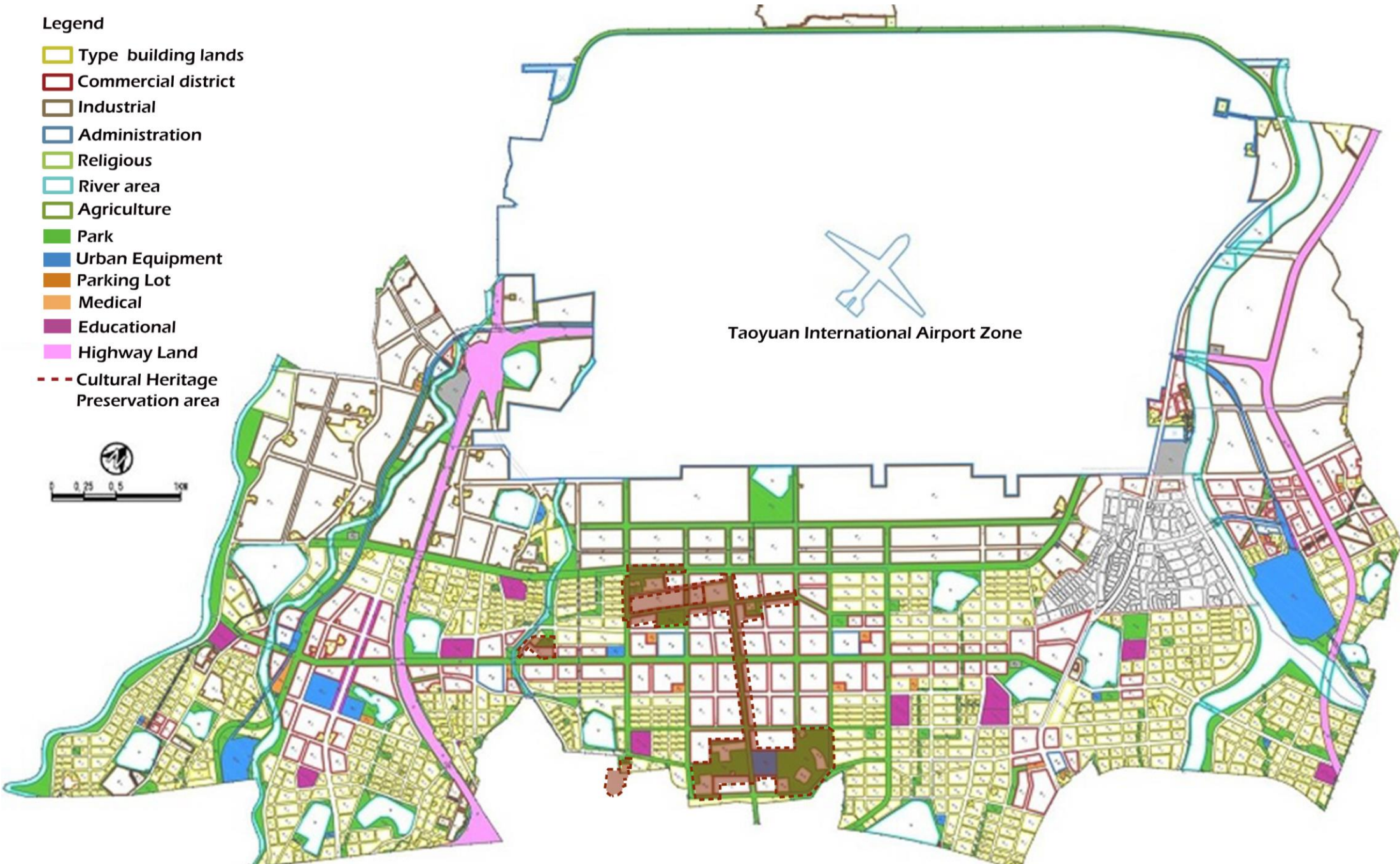
Land-use map

Legend

- Type building lands
- Commercial district
- Industrial
- Administration
- Religious
- River area
- Agriculture
- Park
- Urban Equipment
- Parking Lot
- Medical
- Educational
- Highway Land
- Cultural Heritage Preservation area



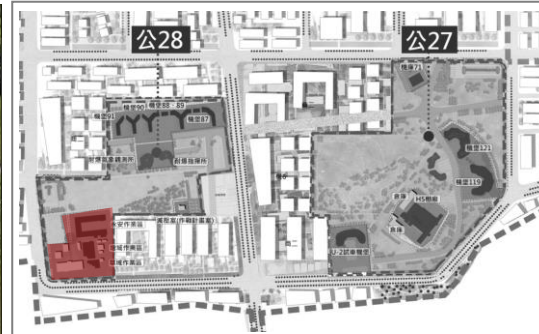
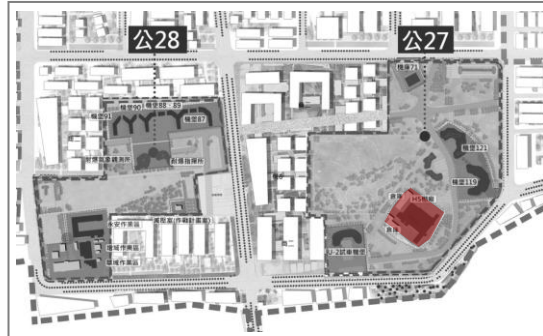
Taoyuan International Airport Zone



Current Site Conditions

Park land 27 and 28 were formerly an air force base. It is designated as the southern preservation and buffer zone of the "Former Taoyuan Air Base Facilities Group" heritage conservation area.

H5 Hangar(Before construction)



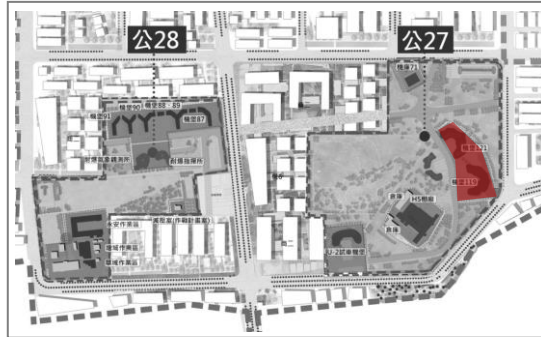
The Photography Technical Group Facility

meteorological observatory



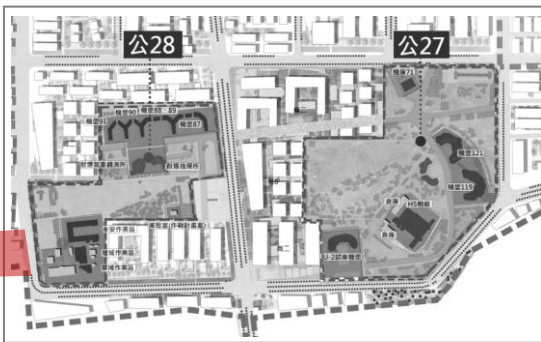
Current Site Conditions

Hangar 119、121



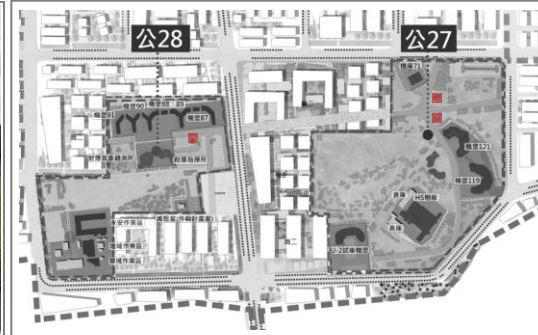
71 Hangar

U-2 Test Vehicle Hangar



Current Site Conditions

Six Major Flight Operation Zones



Outpost

Current landform



Core Historical Values of the Base

American-style
Aircrew Living Quarters



Aircraft Maintenance
and Repair Techniques

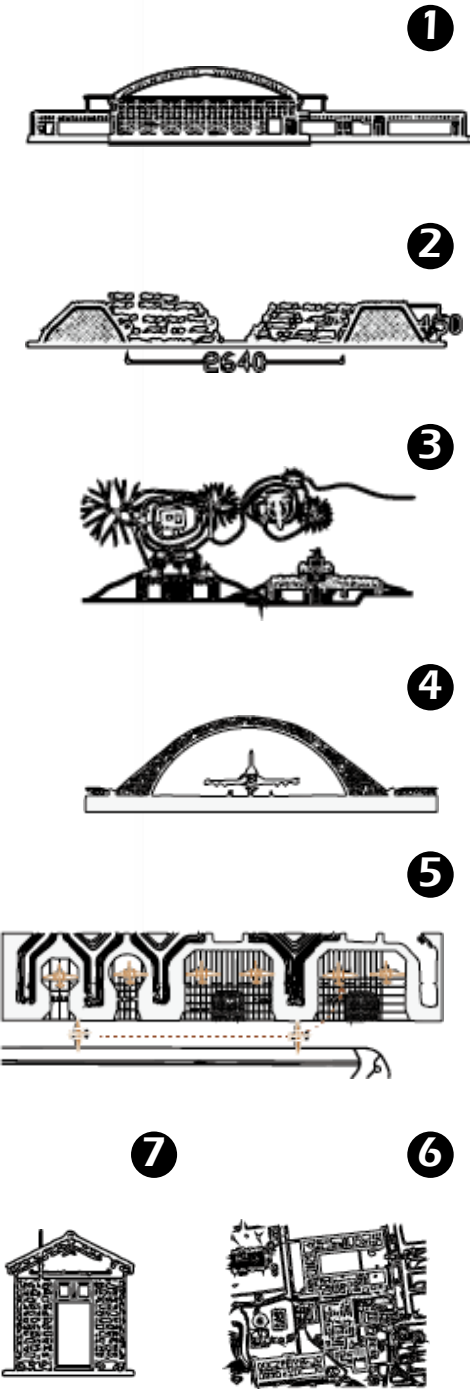
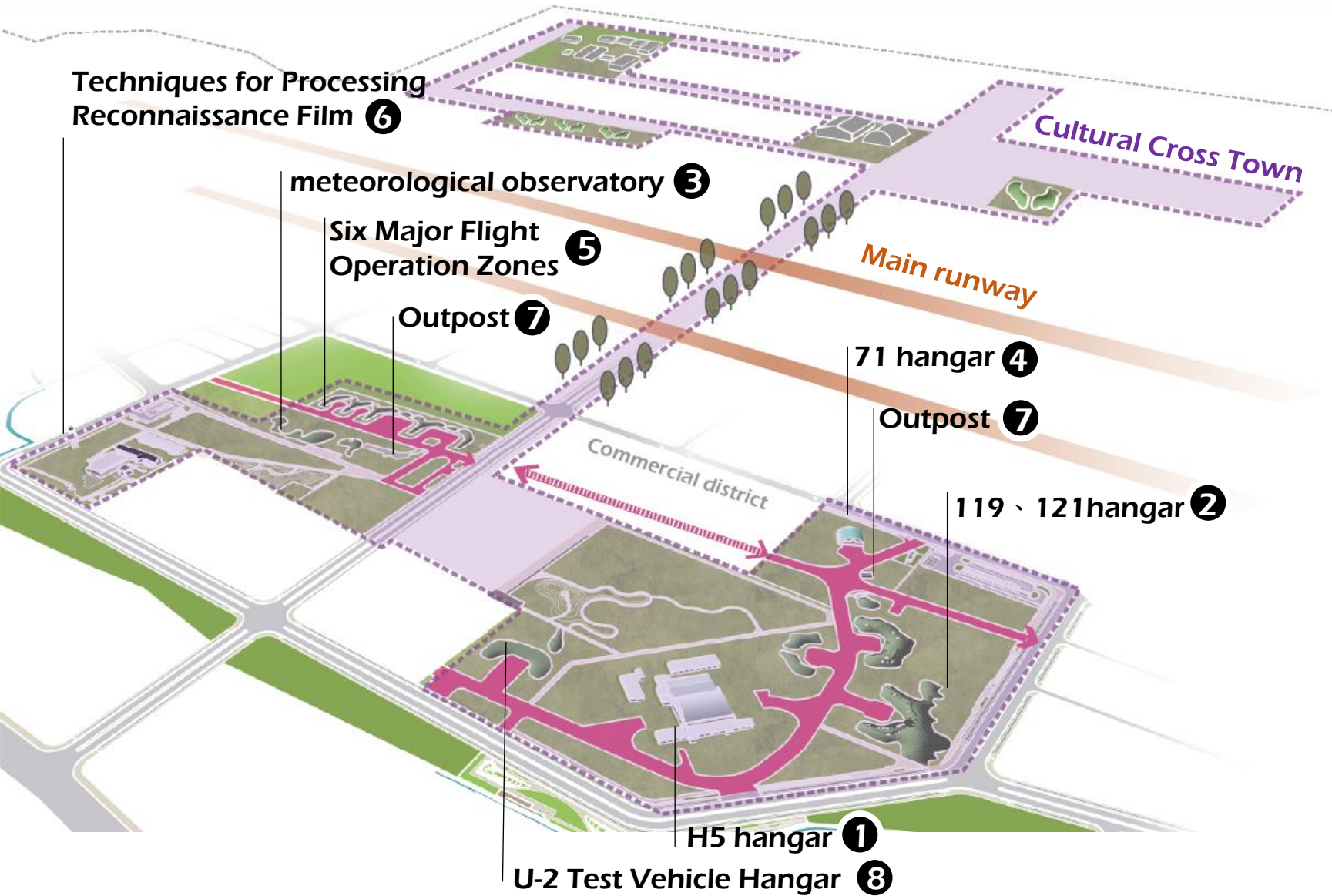


Techniques for Processing
Reconnaissance Film



Heroic Deeds of the
Black Cat Squadron





Conceptual Design Framework

A linear space centered around the facilities of the Black Cat Squadron from the past. Through the preservation of the connecting route (existing runway) of the historical landmarks, combined with newly introduced linking pathways, the overall open space usage becomes more diverse and activated, creating an experience of wandering and traversing between new and old cultures. This links the new and old urban spaces and textures.

Conceptual Design Framework

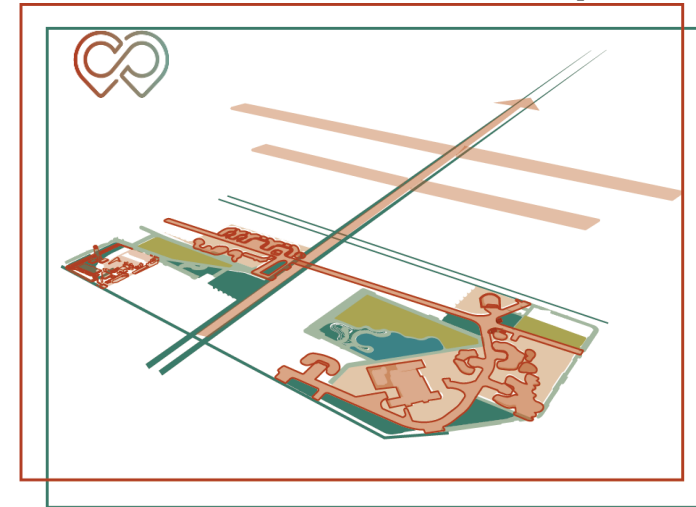
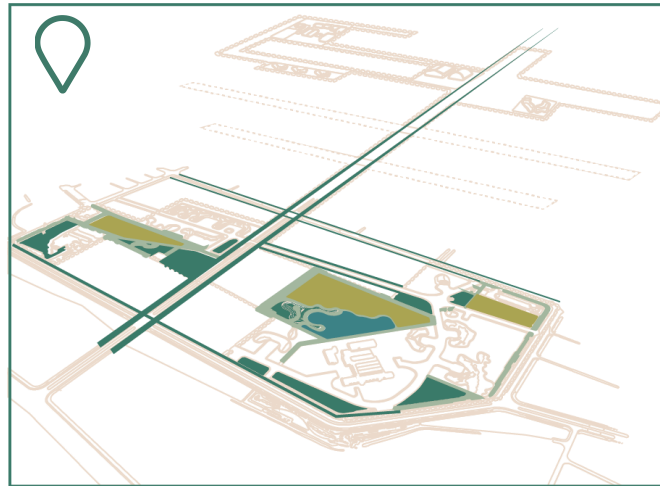
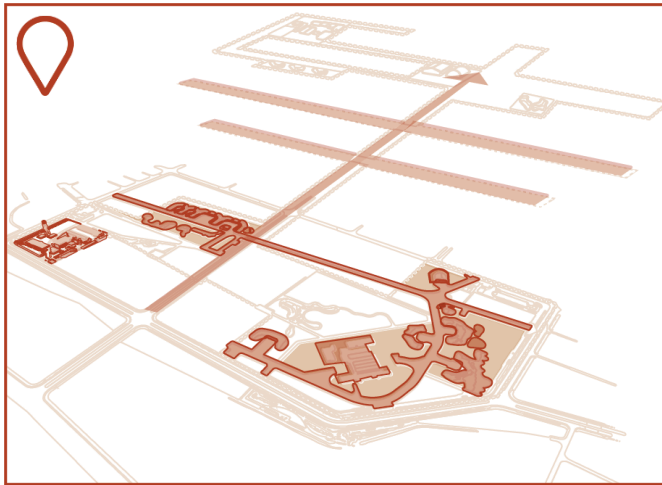
CAT Line

+

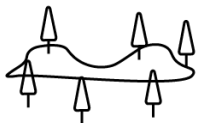
New Urbanism

=

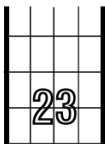
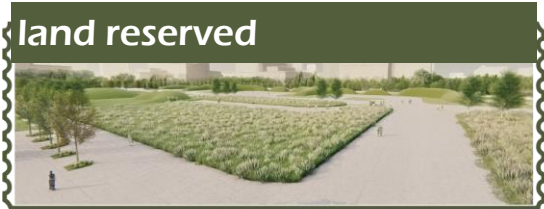
Recommendation on the
Historic Urban Landscape



Dialogue between New Urban Spaces and Historic Scenes



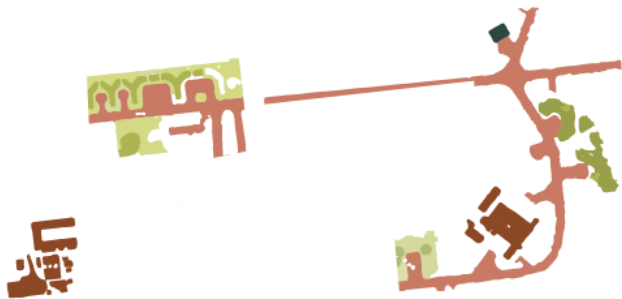
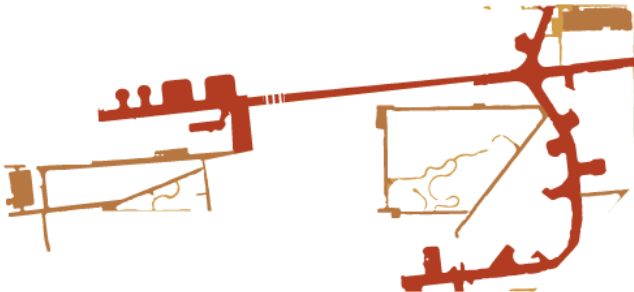
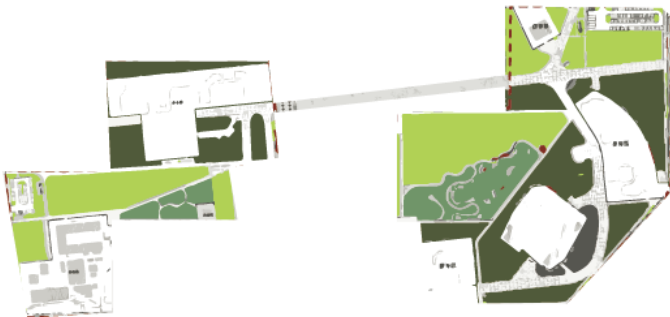
Green Frame



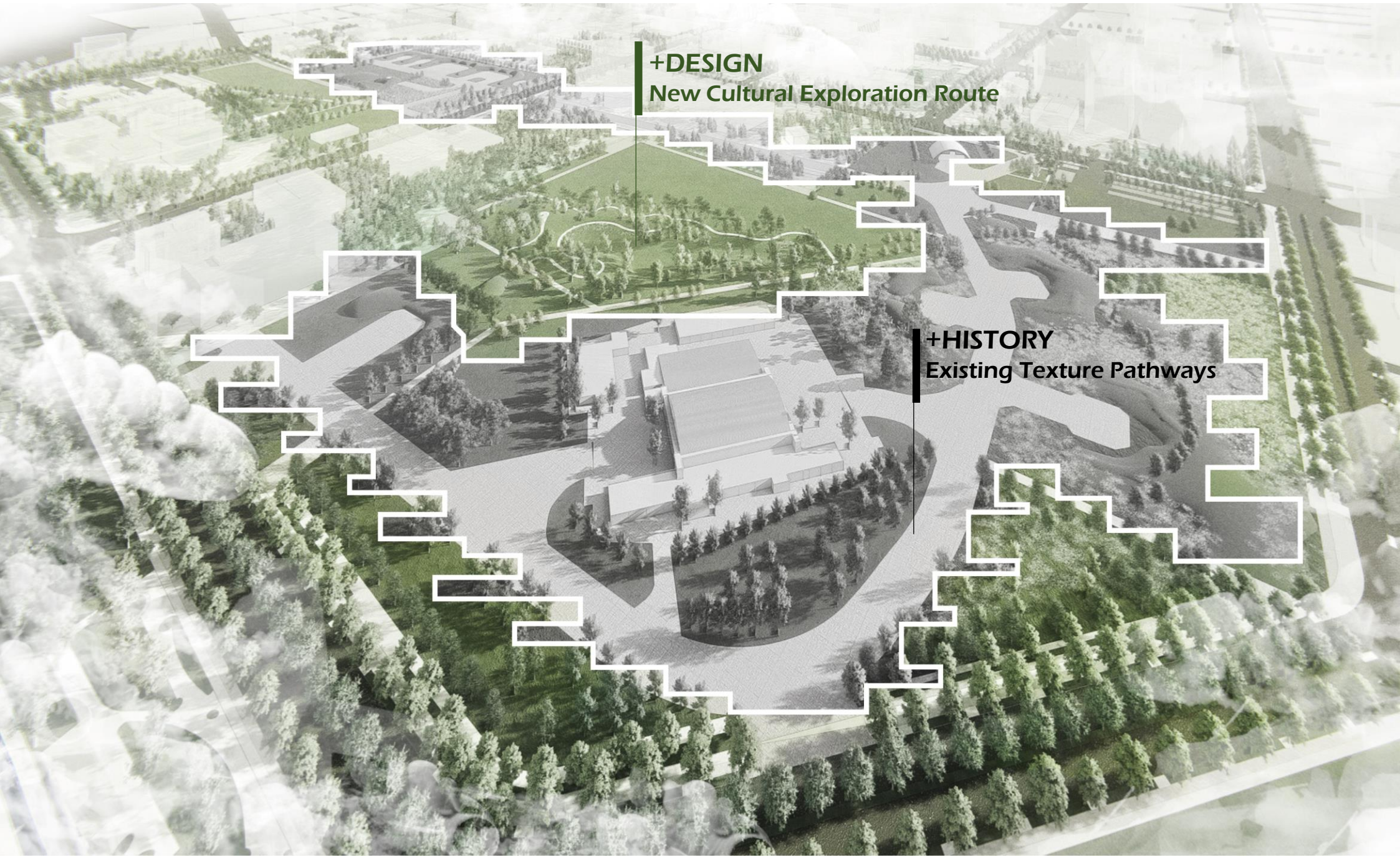
Loop Path



Connecting the historical scenario



Overlay of New and Old Urban Texture



+DESIGN

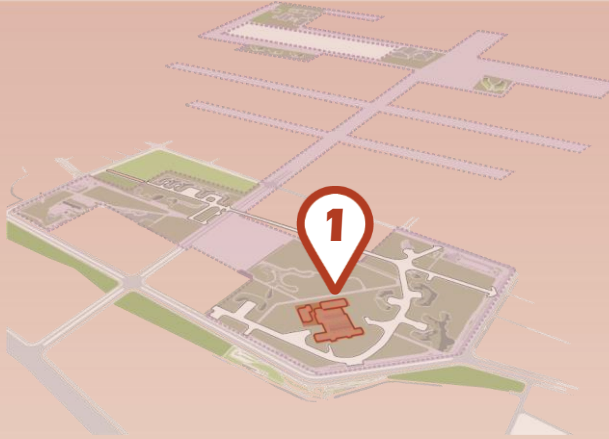
New Cultural Exploration Route

+HISTORY

Existing Texture Pathways

CAT Line+ Urban Design

H5 Hangar



Urban Sanctuaries of
Knowledge and Artefacts

BEFORE



Base structure of Black Cat Squadron

AFTER



Open Spaces and
Heritage Viewing

Historical and Cultural Museum

CAT Line+ Urban Design

The Main Runway



Cultural Pathway Interconnection

BEFORE



Preserving the original airplane taxiway as a historical pathway runway used for reconnaissance aircraft sorties during the Japanese colonial period and post-war era.

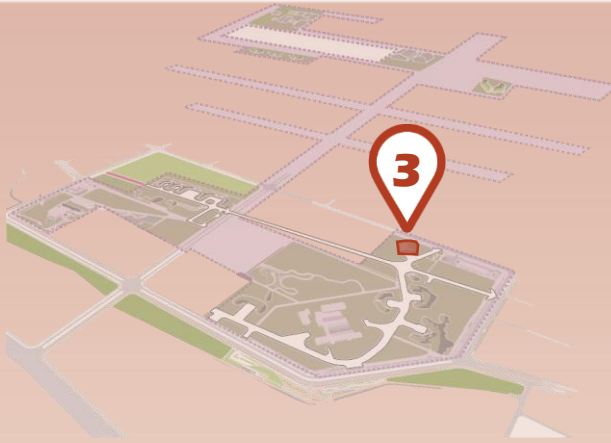
AFTER



To be utilized in the future as roads, pedestrian walkways, and bicycle lanes.

CAT Line+ Urban Design

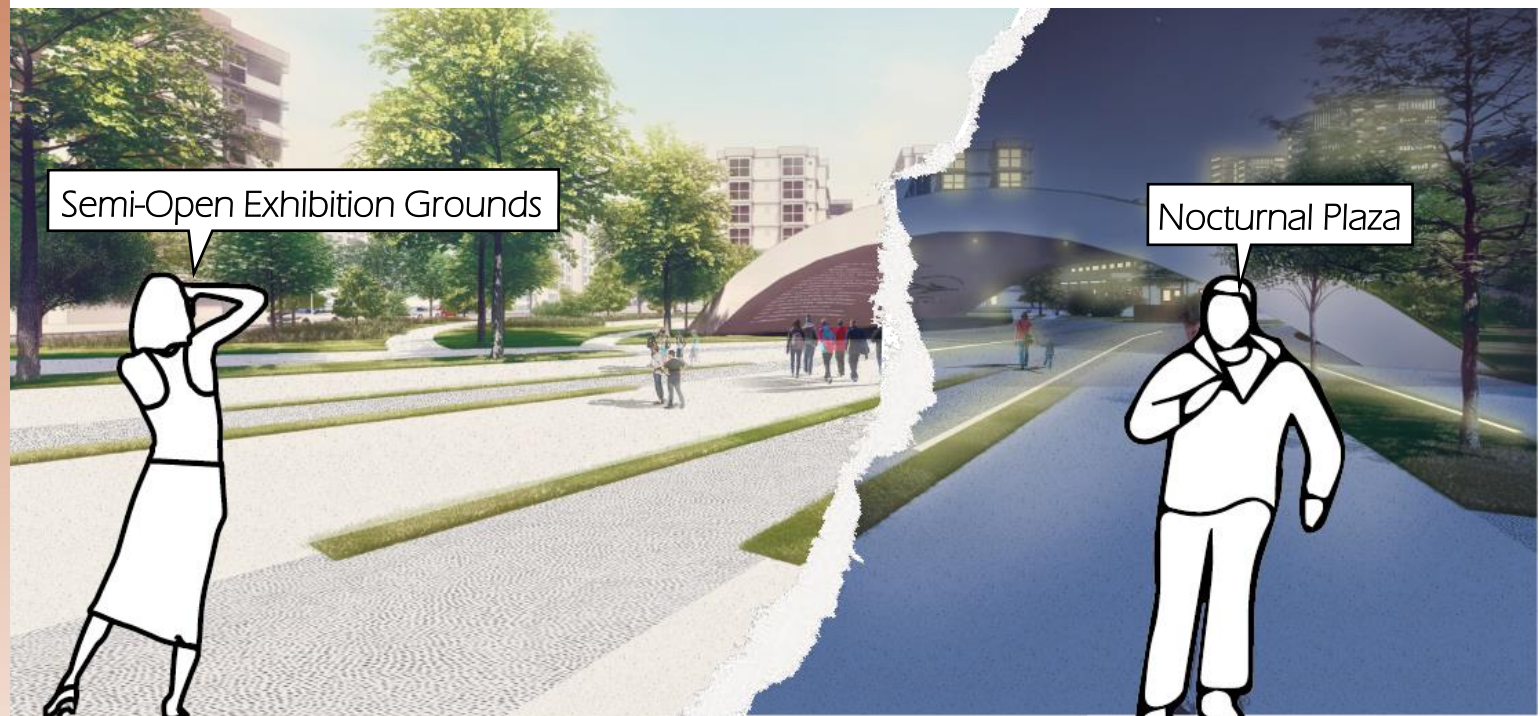
71 hangar



BEFORE



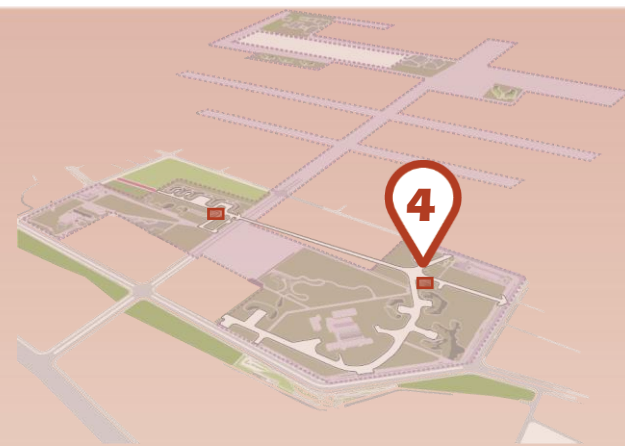
AFTER



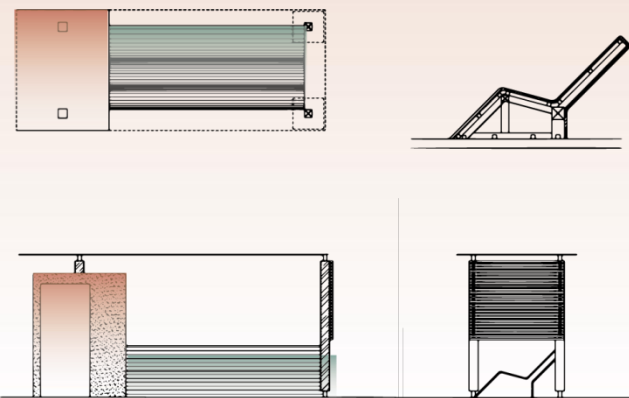
Diverse
Semi-Outdoor Exhibition and Activity
Spaces or Nighttime Activity Areas

CAT Line+ Urban Design

Outpost



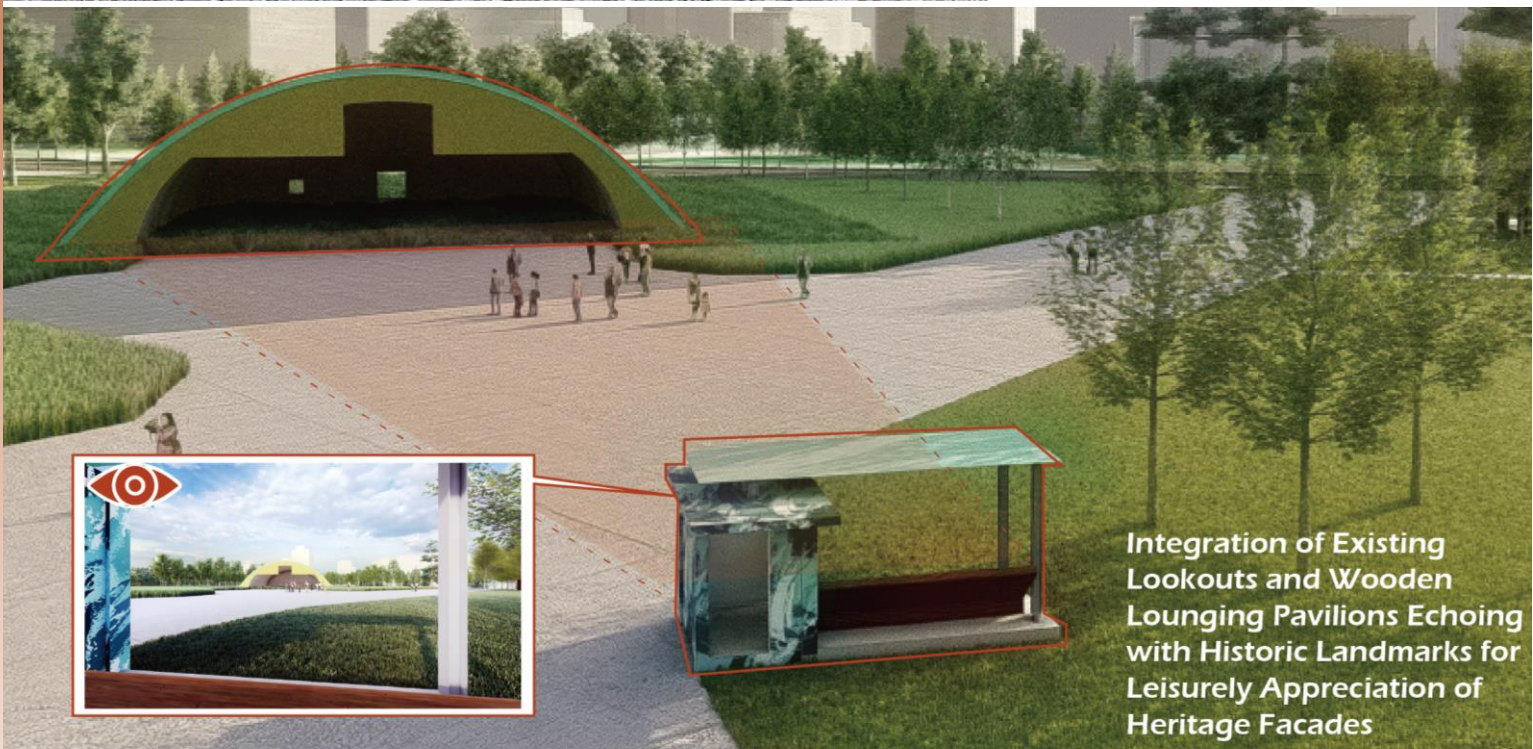
Premier Viewing Vista



BEFORE



AFTER



Integration of Existing Lookouts and Wooden Lounging Pavilions Echoing with Historic Landmarks for Leisurely Appreciation of Heritage Facades

CAT Line+ Urban Design

The hangars and Flight Operation Zones



BEFORE



Micro-Terrain Landscapes
Created by Natural Mounds

AFTER

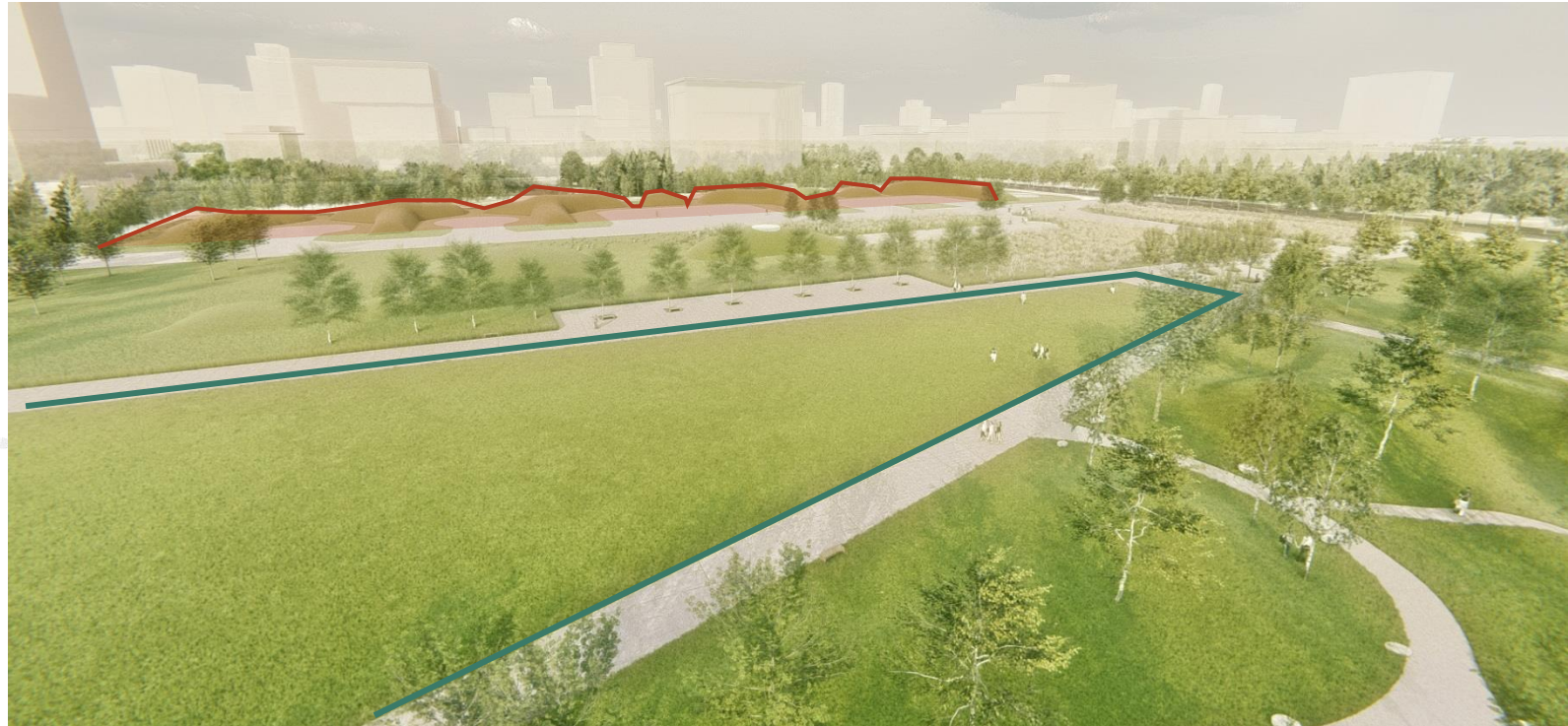


Preservation of Bastion-Risen Mounds
as Novel Overlooks Leisure

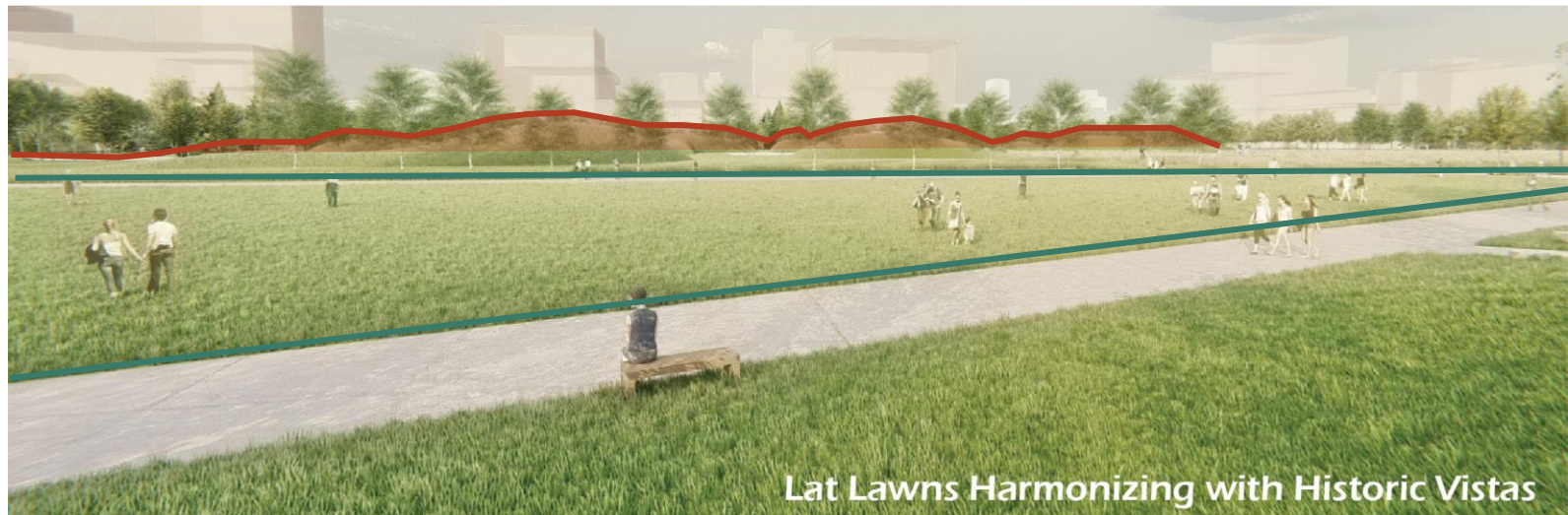
Preservation of Bastion-Risen Mounds
as Novel Leisure Overlooks"

CAT Line+ New Public Space

Versatile Leisure Meadow



Flat Lawns Harmonizing with
Historic Vistas



Lat Lawns Harmonizing with Historic Vistas

CAT Line+ New Public Space

Park Pathways



Crafting a path of urban cultural experience that seamlessly blends the old with the new.

CAT Line+ New Public Space

Micro-terrain mounds and natural textures



Planting and Greening
Ecological Spaces



Placement of Half-Hewn Stone Seats
Along Curved Pathways to Echo the
Natural Contours of Terrain Mounds

CAT Line+ New Public Space

Resilience and Ecological Environment–LID Resilient and Sustainable Spaces



Recreational Grass Slopes



Catchment Areas

Incorporating the original terrain preservation, to prevent flooding of historical sites, utilizing existing natural water channels for landscaping and green infrastructure. These areas can serve as recreational grass slopes on sunny days and function as water catchment areas during rainfall, thereby enhancing urban ecological resilience.

Grass Swales and Drainage

CAT Line + Lighting Design

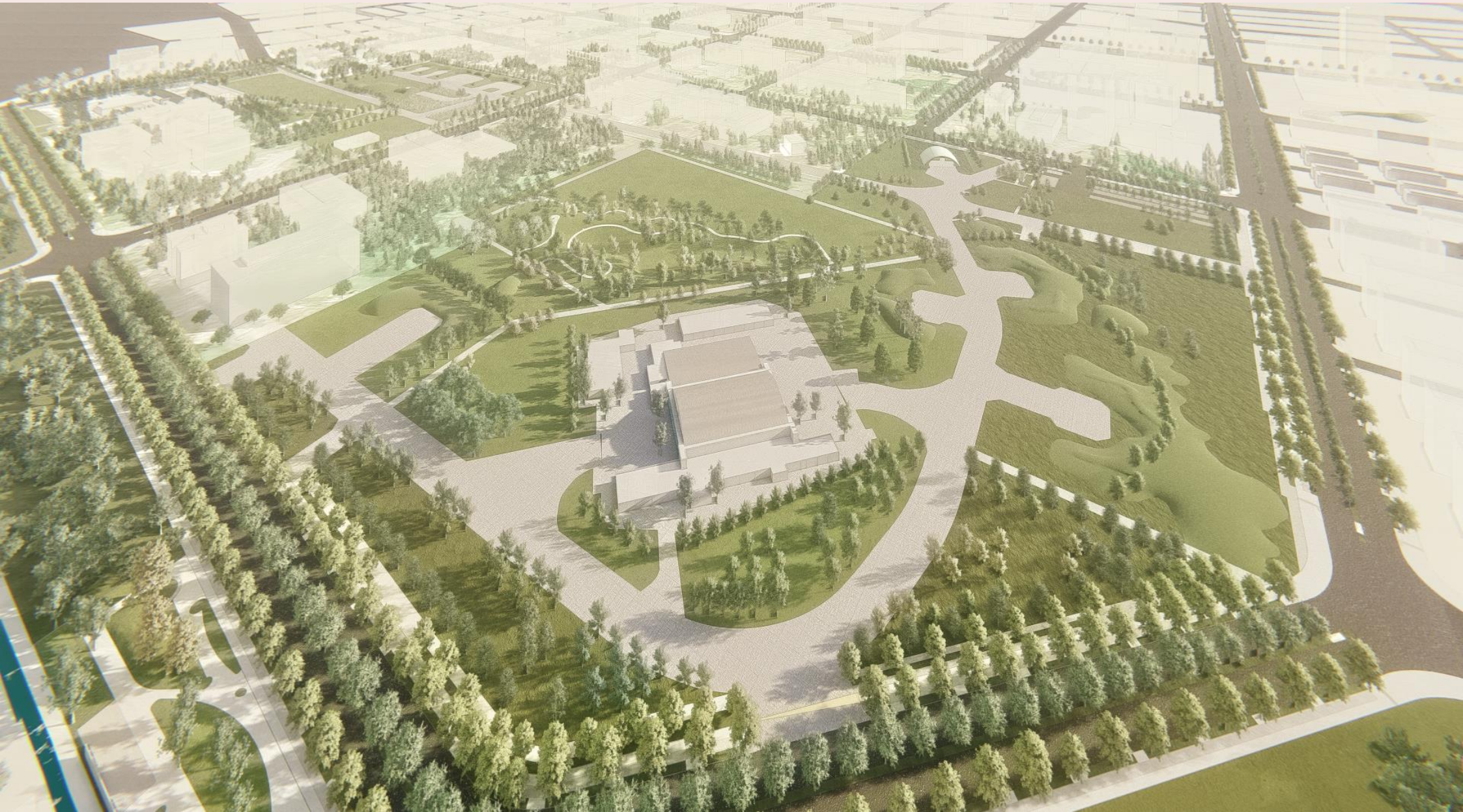
- Creating a fusion of cultural heritage museums with new urban living environments.



Low Lighting feature to highlight the historical runway

New Historical Status and Urban Vision New Urbanism

- ❑ Preserve the significant historical urban landscape valued at 460 million USD as a new urban park.
- ❑ Craft a path of urban cultural experience that seamlessly blends the old with the new.
- ❑ Create a park system that balances urban disaster prevention and ecological resilience.



New Historical Status and Urban Vision New Urbanism

- Establish a fusion of cultural heritage museums with new urban spaces and living environments.
- Utilize the ESG concept to create cultural and environmental educational spaces.
- Through design optimization and reduction, achieve carbon reduction and carbon sequestration benefits, with a total carbon 50,507 kgCO₂e/yr

