# Memorial Benchscape:

The fusion and collision between memory and its physical expression

Jingxuan Tu | 5561442

First Mentor: Saskia de Wit Second Mentor: Machiel van Dorst Examiner: Reinout Kleinhans

23/06/2023





# WHAT IS A BENCHSCAPE?

"Benches are key players in these landscapes."



"Benches are perspectivesharers."

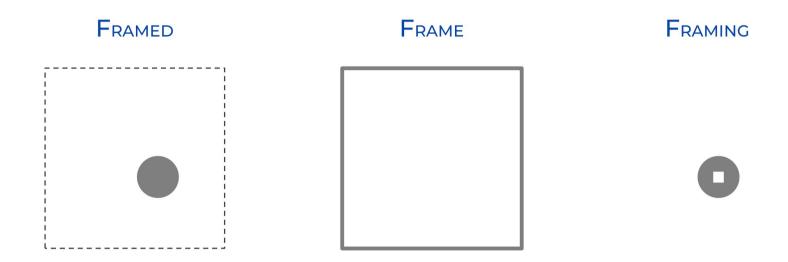




"Benches have their own life story."



# "THREE-FRAME CONCEPT"



## Perceived Benchscape



Bench + External surrounding landscape



Bench + Outward landscape



Bench's Internal micro-landscape

# CONCEIVED BENCHSCAPE

?

**U**RBAN PUBLIC SPACE (dune park)







## "Four-relation Model"

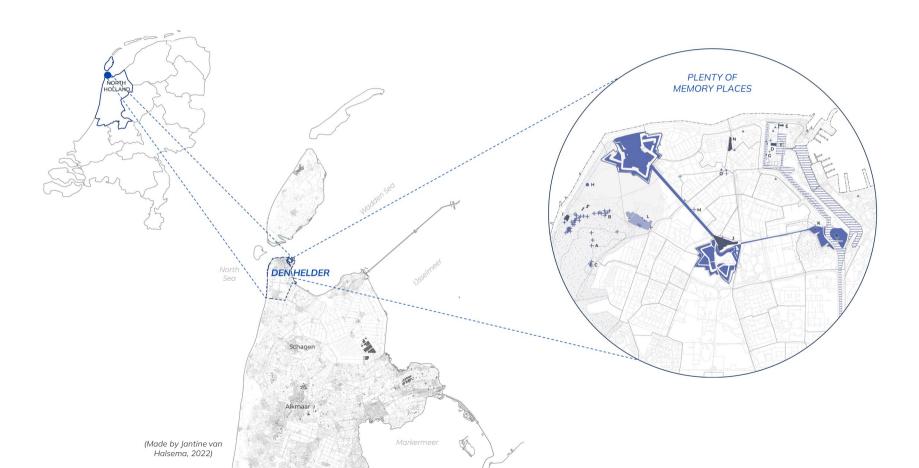
Material Visual Fuctional Routing Relation Relation

#### ROLES OF BENCH IN BENCHSCAPE

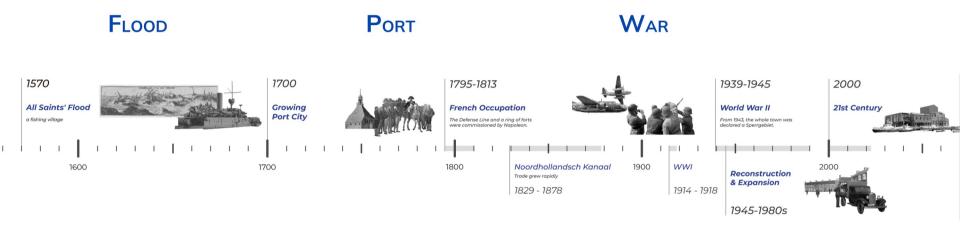
A. LANDMARK B. LINKAGE C. SPECIAL ELEMENT D. COMMON ELEMENT A-2 B-1 B-2 C-1 C-2 D-1 D-2 A-1 D-3 Exaggerated High Rest Point Way-finding Memorial Symbolic Rest Point Social Place Leading Dimensions Topography Bench Transformation a View

# VVHY A MEMORIAL BENCHSCAPE?

# Den Helder, Netherlands



## CITY MEMORY



# CITY MEMORY'S PHYSICALITY



Remnants + Monuments



Museums

# Losing City Identity



Stopover for Texel
(By istock, 2013)

## BENCH AS AN OPPORTUNITY



A LIVING MEMORIAL (more accessible, readable and touchable)

## BENCH & MEMORY



VEHICLE (story on/around a bench)





OBJECT (outward story)





ENTITY (story in a bench)

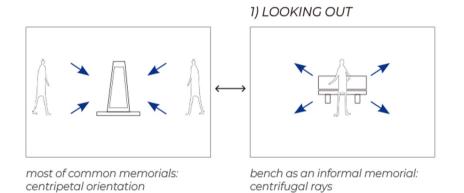


# Research Question

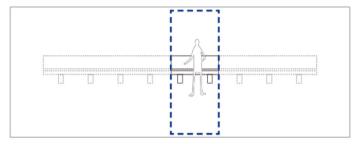
How can MEMORY AND ITS PHYSICALITY
be situated in and expressed through
BENCHSCAPES to enhance Public Awareness of City Identity
and help create Personal Significance?

# HOW TO DESIGN MEMORIAL BENCHSCAPES?

### Design Concept

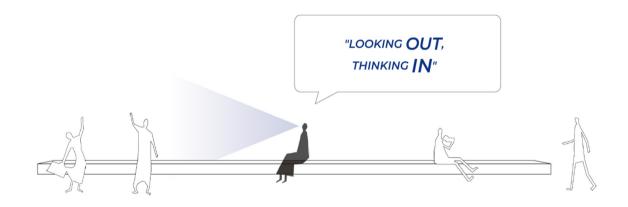


#### 2) THINKING IN



occupy and enjoy a personal space in a public space

# Design Concept

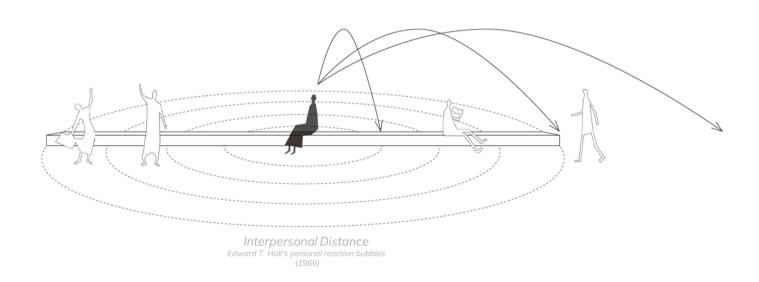


# "THIRD EMOTIONAL SPACE" (Avril Maddrell, 2013)

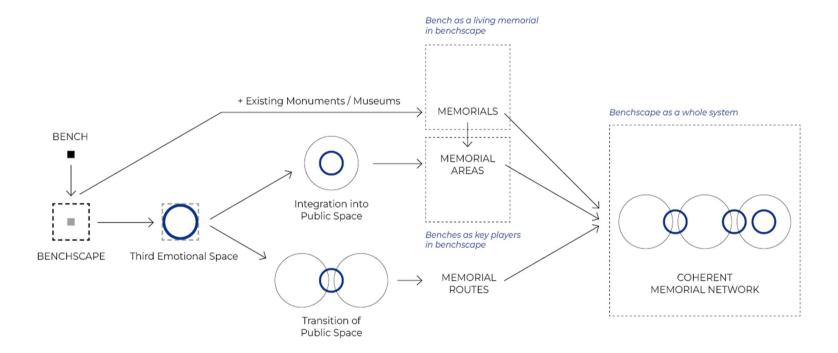
= To Place Individual Memory in Public Space

Non-present Emotional Space

- 1. Less-located
- 2. Specific Locations to Help Think Inwards

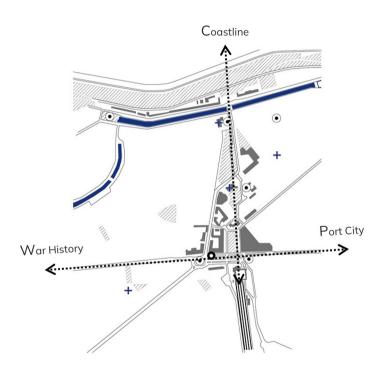


### Design Framework

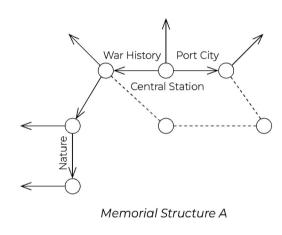


# BENCHSCAPE AS A WHOLE SYSTEM

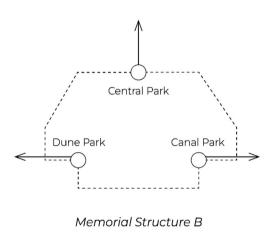
# HIDDEN CENTRAL AXES



## Two Main Memorial Structure

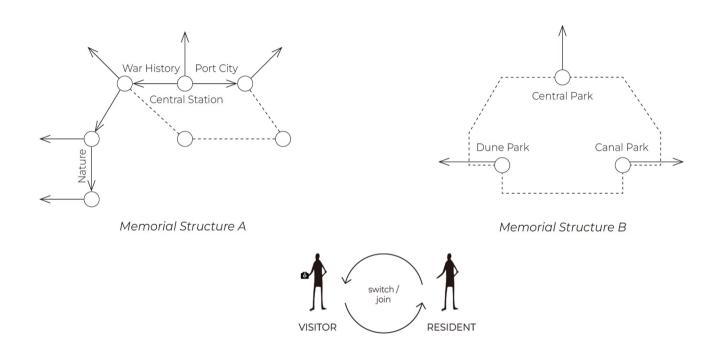


VISITOR

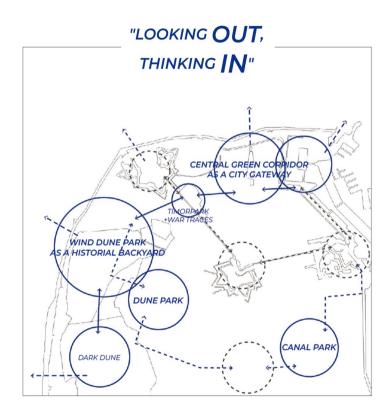




## Two Main Memorial Structure



## Integrated Memorial Structure



### Proposed Memorial Network

Memorial Benchscape Family

#### LEGEND

#### Memorial

memorial area

remnar

▲ monument

memorial building

#### Memorial Route

 primary memorial route

 secondary memorial route

#### Bench

O existing ordinary bench

O new ordinary bench

o new special bench

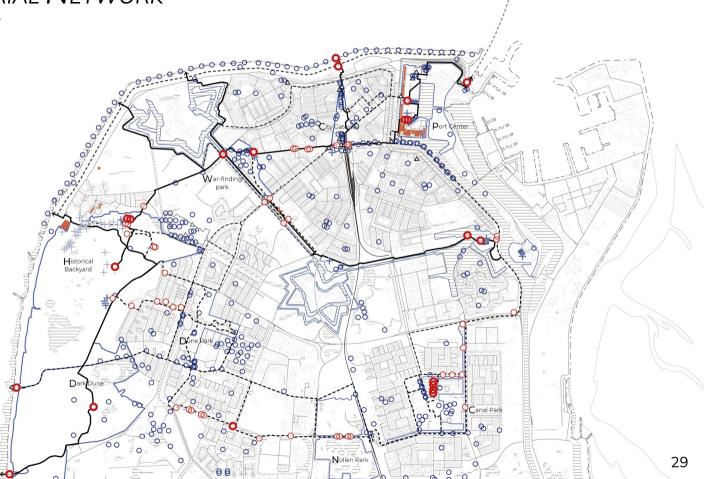
#### Other Elements

buildings

city roads

railways





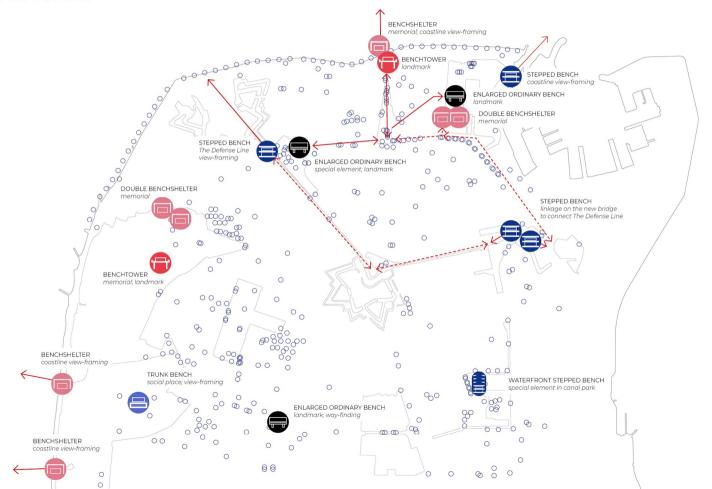
TO TEXEL

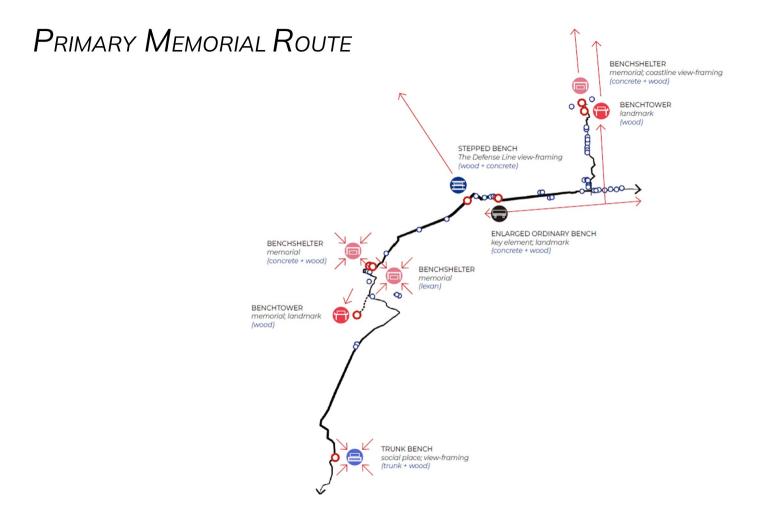
### SIX TYPES OF BENCHES

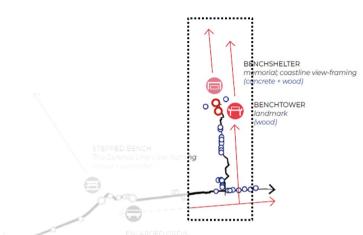


- ordinary bench
- enlarged ordinary bench
- benchtower
- stepped bench
- benchshelter
- trunk bench







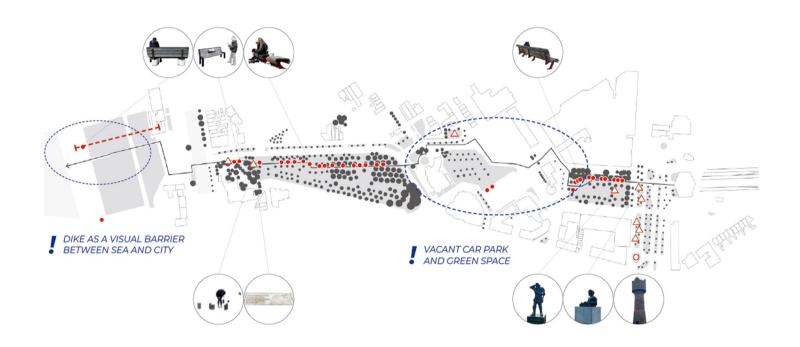


# ROAD A - CENTRAL GREEN CORRIDOR

BENCHTOWER memorial, landm

> TRUNK BENCH social place, view-framing (trunk + wood)

#### BEFORE



#### **AFTER**

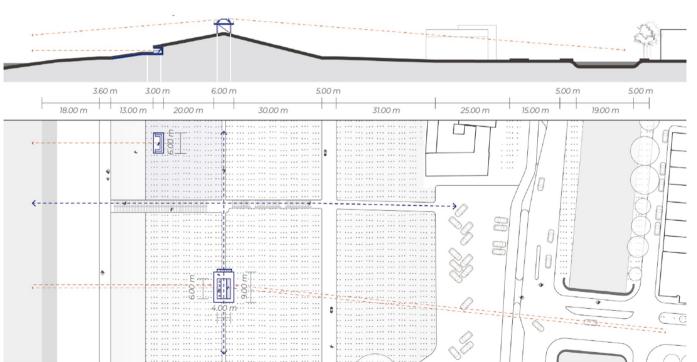




#### **AFTER**



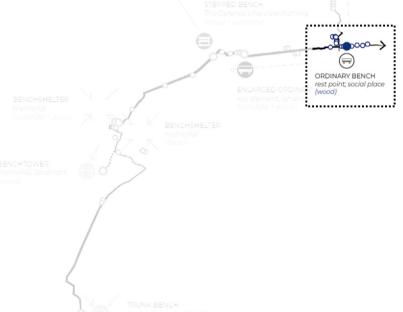




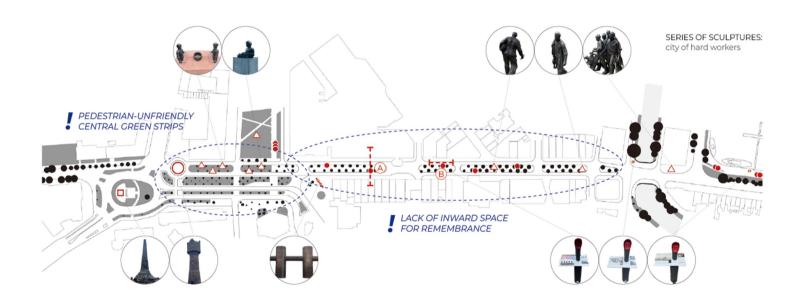


ianamark Necesi

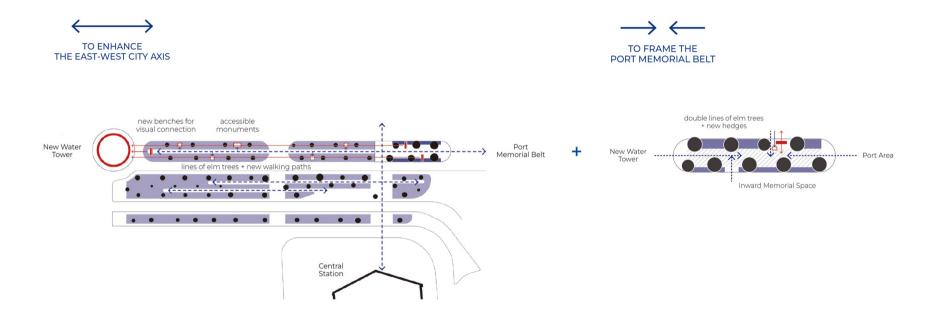
#### ROAD B - CENTRAL AXIS TO PORT



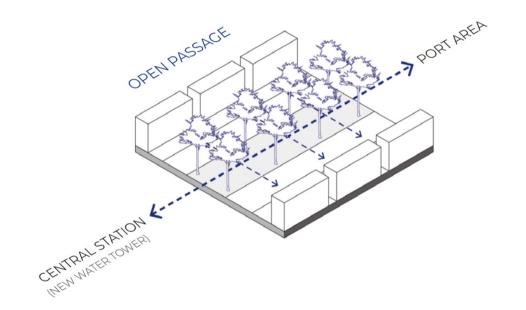
#### BEFORE

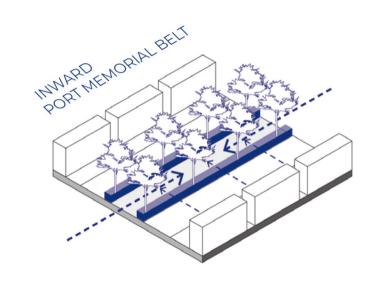


#### **AFTEF**



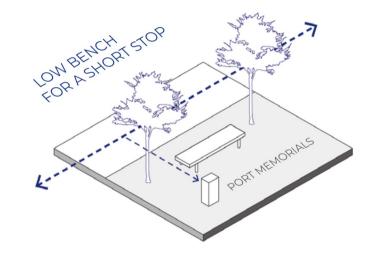
#### BEFORE

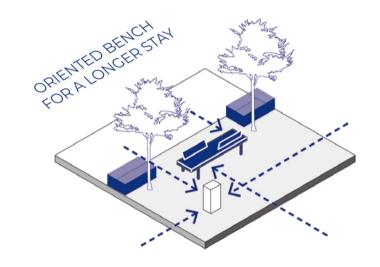




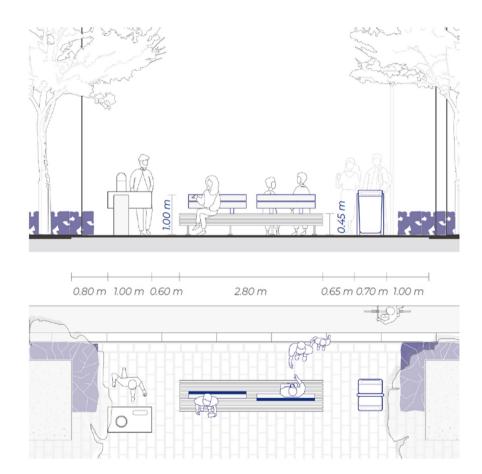


#### BEFORE

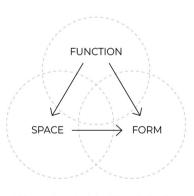




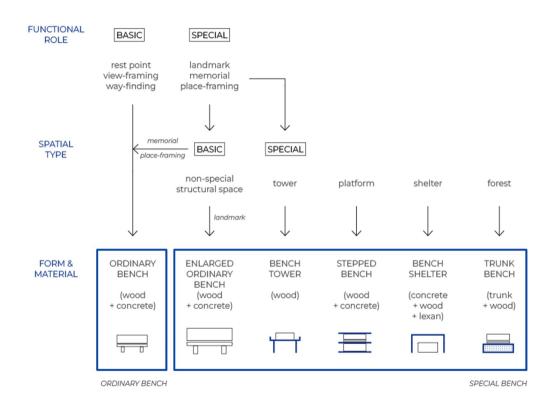




#### BENCH DESIGN PRINCIPLE

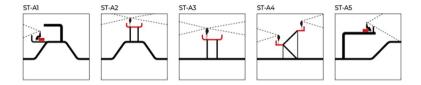


Triangular Model of Bench Design

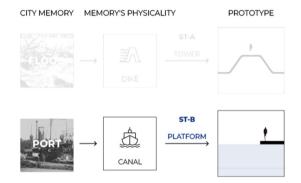


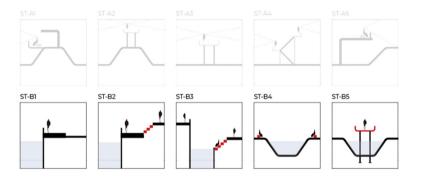
# BENCHTOWER



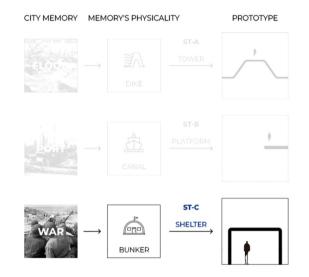


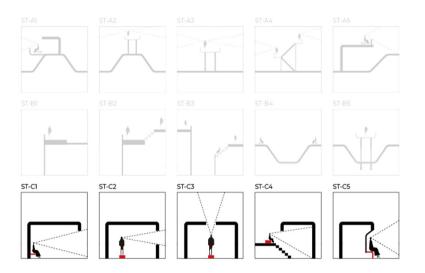
# STEPPED BENCH



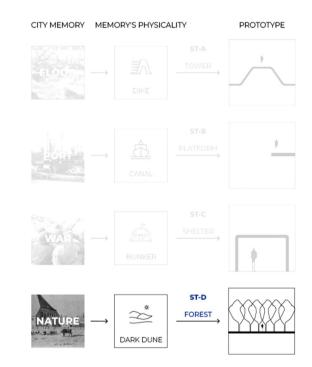


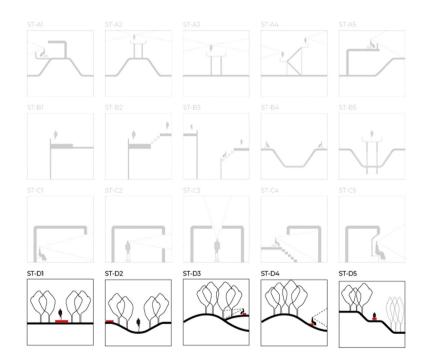
# BENCHSHELTER





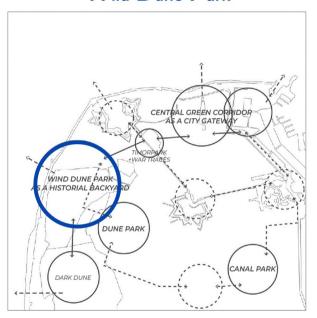
# TRUNK BENCH



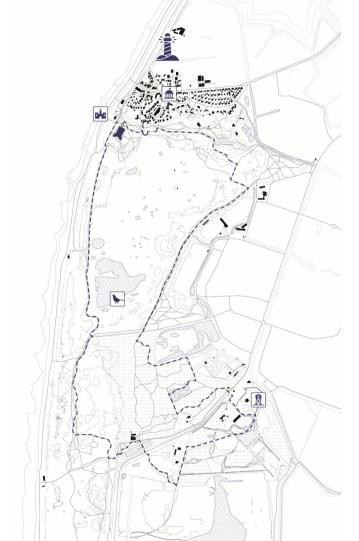


BENCHES AS KEY PLAYERS IN BENCHSCAPE

#### Wild Dune Park



## Dune Memory





1878 Water Extraction



1945 Military Use



2006 Protected Nature Reserve

### DUNE MEMORY'S PHYSICALITY



Abundant Biodiversity
(By Daniel Mulder, 2021)



**Cultural Ruins** 

## Intertwined Memory's Physicalities



Abundant Biodiversity

**Cultural Ruins** 

### INTERTWINED MEMORY'S PHYSICALITIES

REFORE

Water Extraction



Ditch Trace on Dune

Bomb Crater



Ecological Pool
(By Kata Karáth, 2017)

Historical Bunker



Sand Accumulation + Human Interaction

### Proposal: Historical Backyard

LEGEND

#### Memorial

memorial area

remnar

▲ monument

memorial building

#### Memorial Route

 primary memorial route

 secondary memorial route

#### Bench

O existing ordinary bench

O new ordinary bench

o new special bench

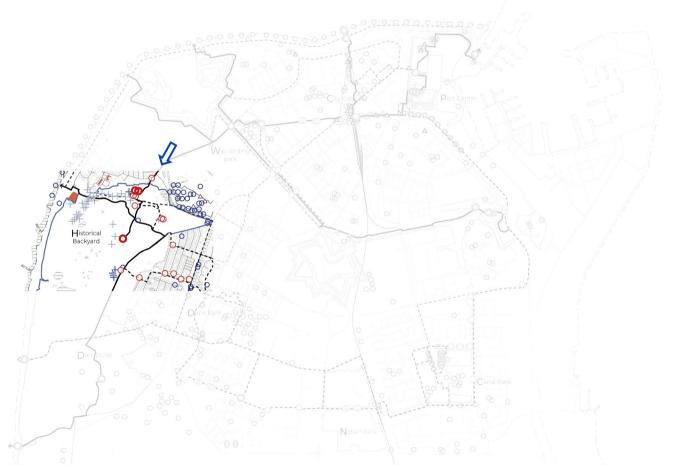
#### Other Elements

buildings

e city roads

railways





#### **O**VERVIEW OF **HISTORICAL BACKYARD**

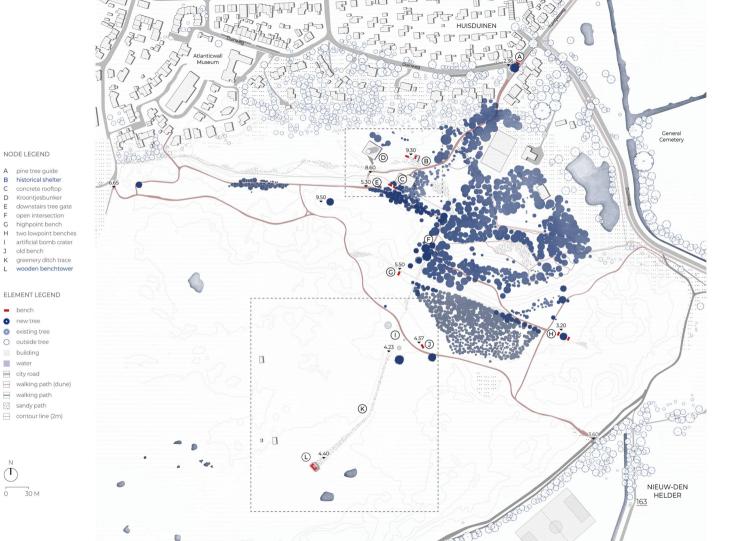
NODE LEGEND

old bench

bench new tree existing tree O outside tree building water city road

walking path sandy path

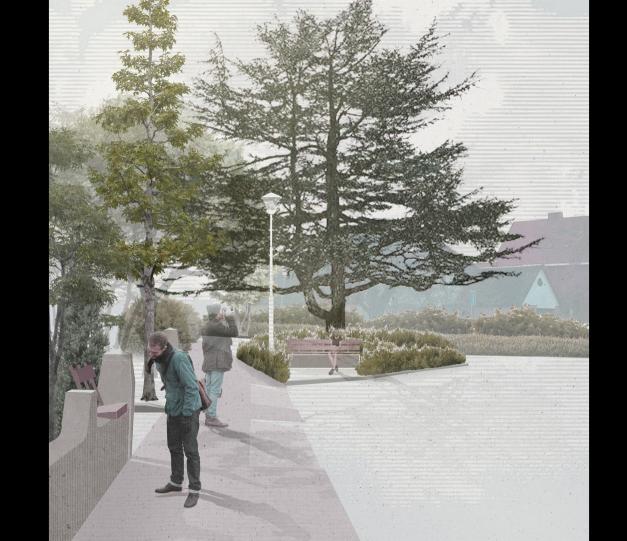
0 30 M



57

## WALK INTO THE HISTORICAL BACKYARD

IN DEN HELDER







•B



• C























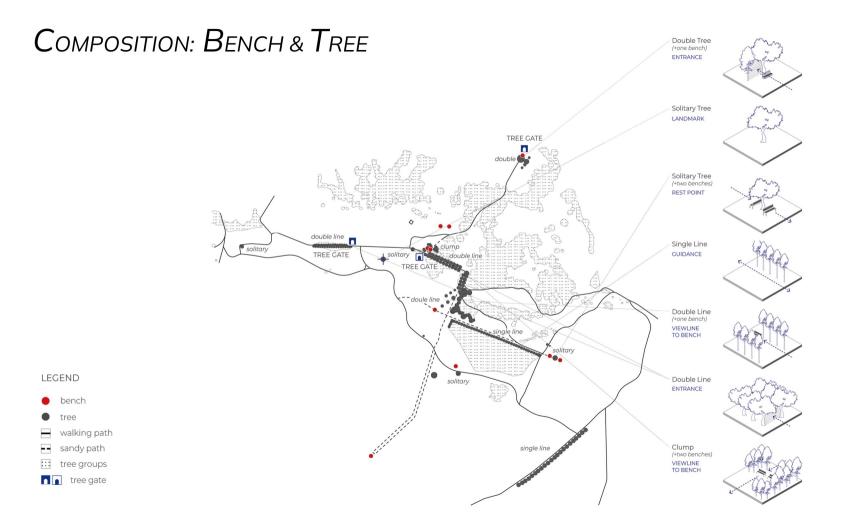




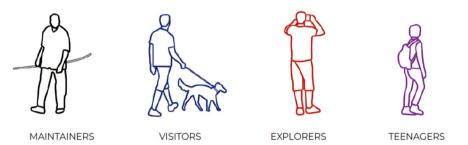






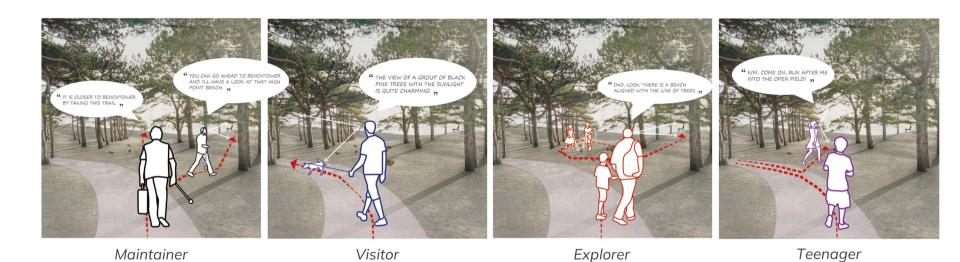


# Can Everyone Perceive This Conceived Benchscape? What benchstory will happen here?



#### PERCEIVED BENCHSCAPE

Node F – Open Intersection



# BENCH AS A LIVING MEMORIAL IN BENCHSCAPE

Node B - Historical Shelter

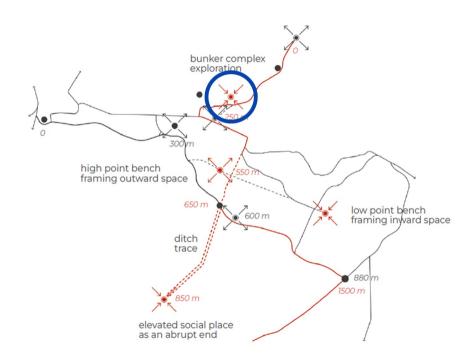




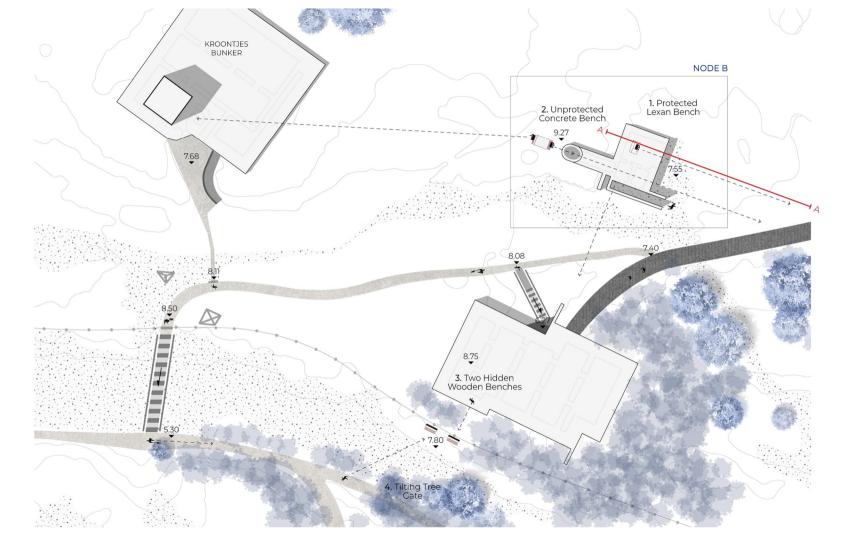


#### ROUTING RELATION

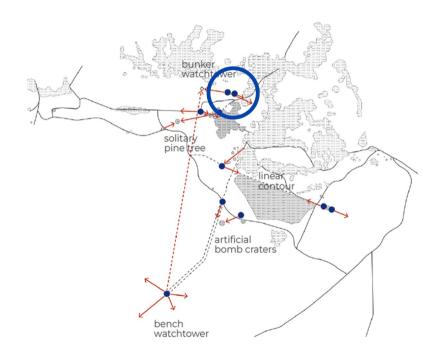
Moving, Stopping, Staying



- bench (staying)
- bench (stopping)
- staying point
- stopping point

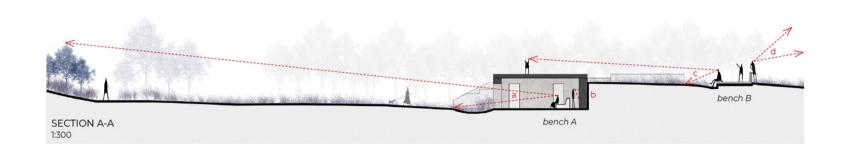


### VISUAL RELATION

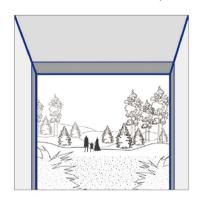


viewing pointwalking pathsandy pathmemorial route

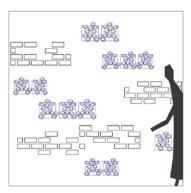
viewline



FRAME a - Wild Dune Landscape



FRAME b - Dilapidated Walls



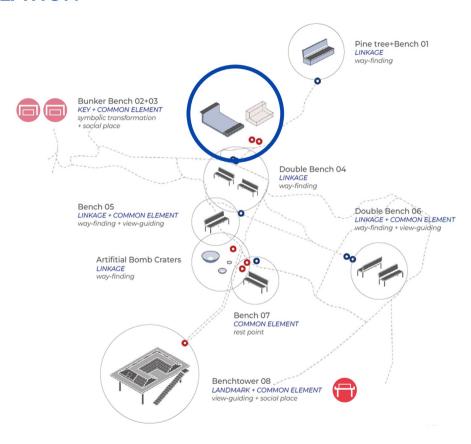
FRAME c - Historical Well



FRAME d - Crown Bunker



#### FUNCTIONAL RELATION

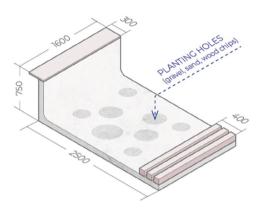




Bench A - outside(roof)

#### UNPROTECTED

Made of rough concrete and wood Shape like a piece of the bunker

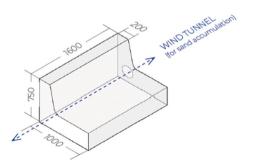




Bench B - inside bunker

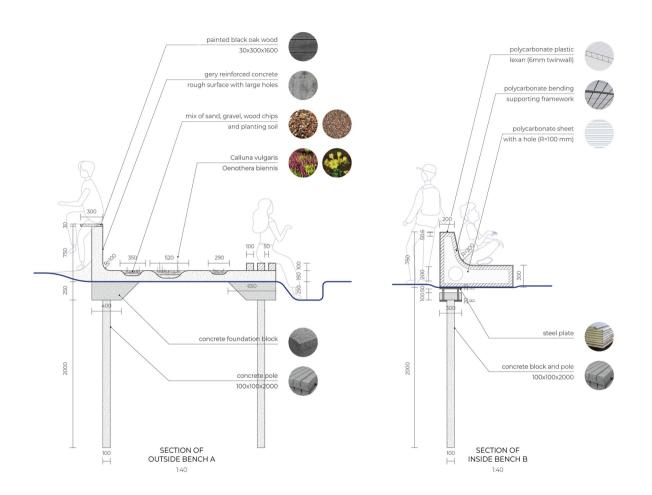
#### **PROTECTED**

Made of transparent lexan Stay with sand accumulation



### MATERIAL RELATION













# BENCHASA LIVING MEMORIAL THROUGH TIME

### LEXAN BENCH INSIDE BUNKER



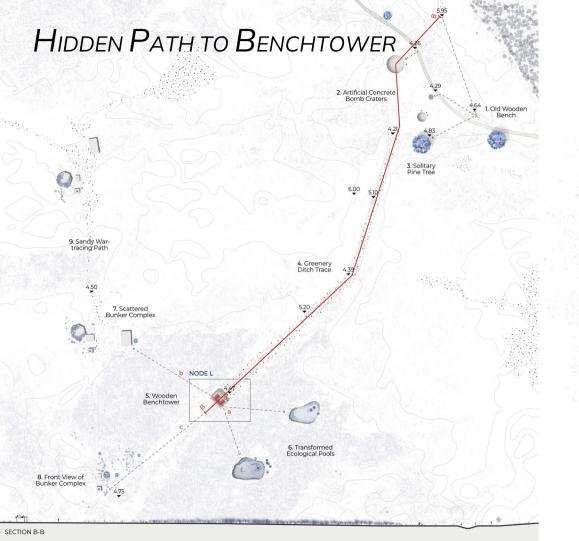
#### Concrete Bench Outside Bunker

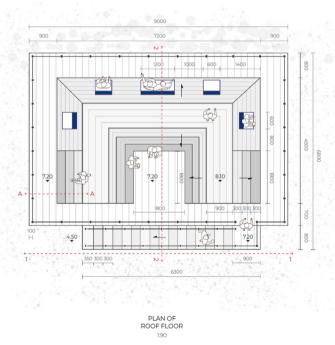


Node L - Wooden Benchtower

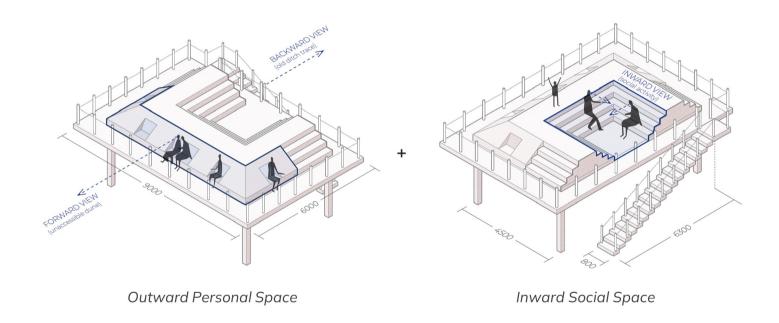






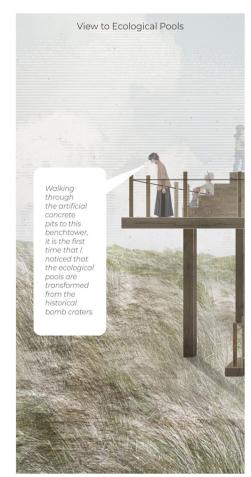


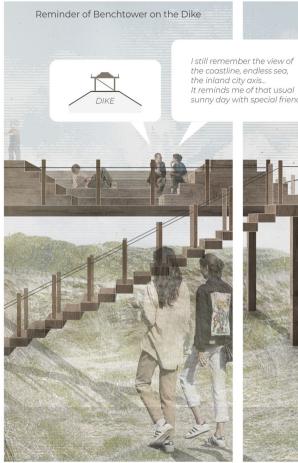
### U-SHAPED BENCHTOWER



## THROUGHSHAPE

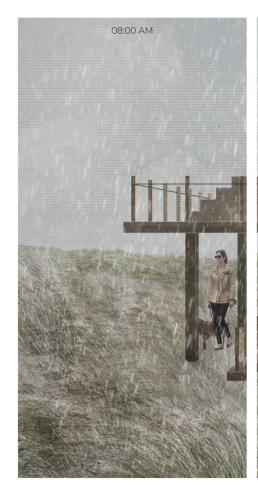
BENCHASA LIVING MEMORIAL







View to Scattered Bunkers







## CONCLUSION & REFLECTION

#### Conclusion

Inconspicuous element benchscape affordance Perceived Conceived Benchscape Benchscape "Three-frame Concept" "Four-relation Model" "Third Emotional Space"

#### Conclusion

Inconspicuous element benchscape affordance Perceived Conceived Benchscape Benchscape "Three-frame Concept" "Four-relation Model" "Third Emotional Space" Framed by Benchscape in **Partly Defined** Memorial Places (for city + individuals)

#### REFLECTION

General lesson from MEMORIAL BENCHSCAPE



INCONSPICUOUS
ELEMENT LIKE A BENCH



New perspectives of landscape



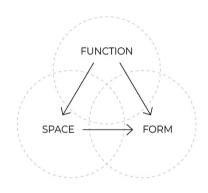
SCALE CONTINUUM OF BENCHSCAPE



WIDER
INTERPRETATION OF
MEMORIALS

### REFLECTION

#### General lesson for OTHER CITIES



Triangular Model of Bench Design

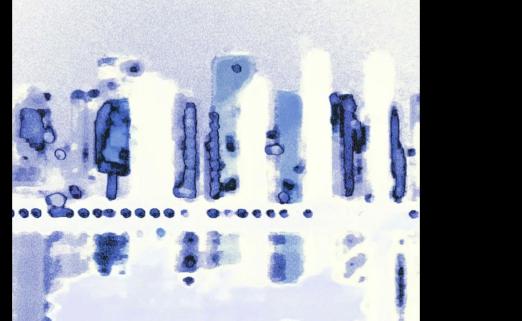
?

DIFFERENT INTERPRETATION OF MEMORIALS What do you see when you are walking on the streets of the city? Is it the buildings?
Or the cars on the road?
Or a street tree?

Every element of the city is a point, large or small, a component of our living environment.

Do you realize that many tiny landscape elements are so commonplace that their aesthetics and value are overlooked?

BENCH is one of them.



# Thanks for Your Attention!