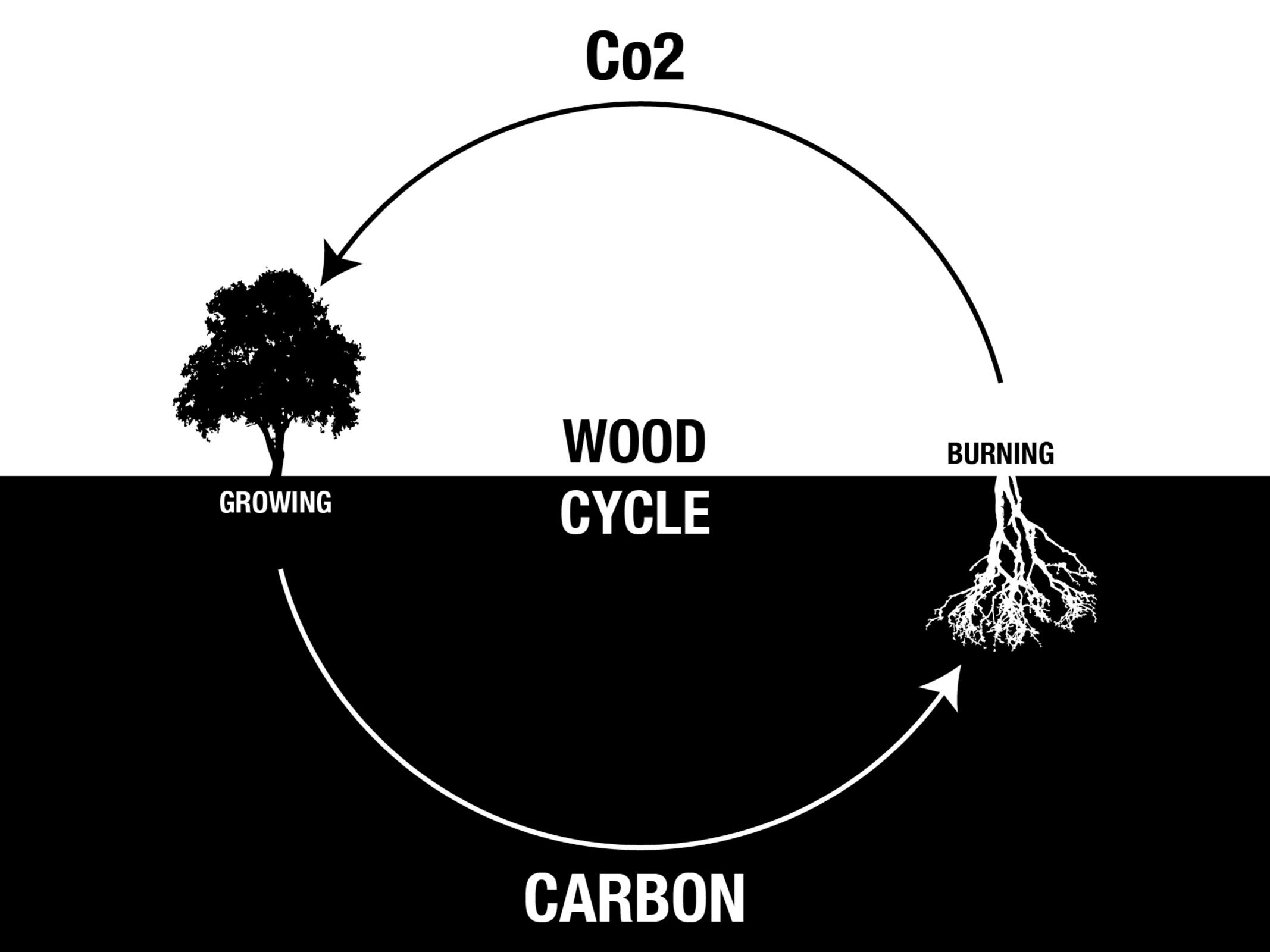
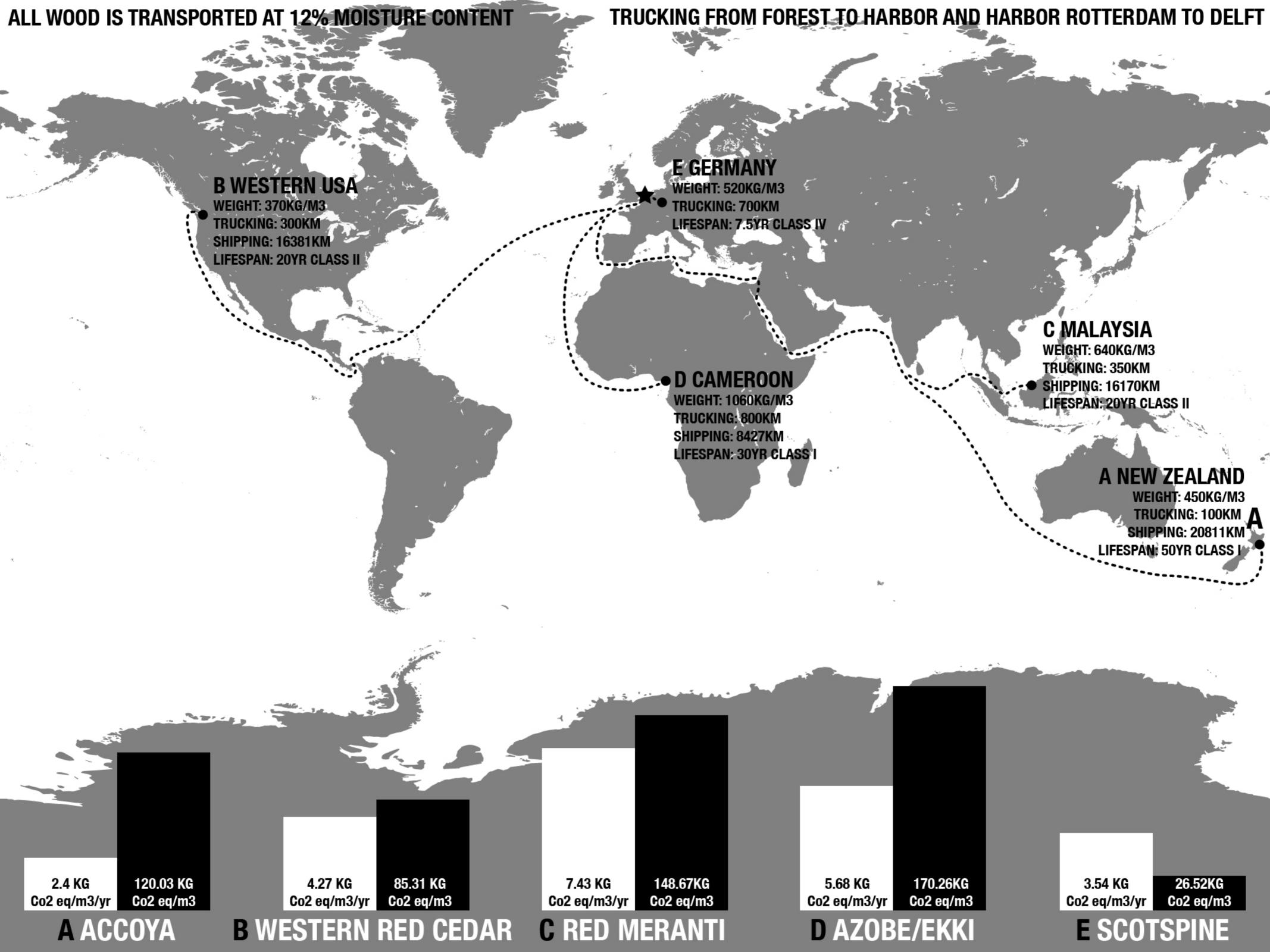


GLOBAL WARMING

HOW CAN ARCHITECTURE REDUCE IT?





BUILD WITH WOOD

REQUIREMENTS

long preservation

energy reduction

healthy environment

DESIGN OBJECTIVE

flexible space

climate roof

internal garden

2020 STUDENT HOUSING

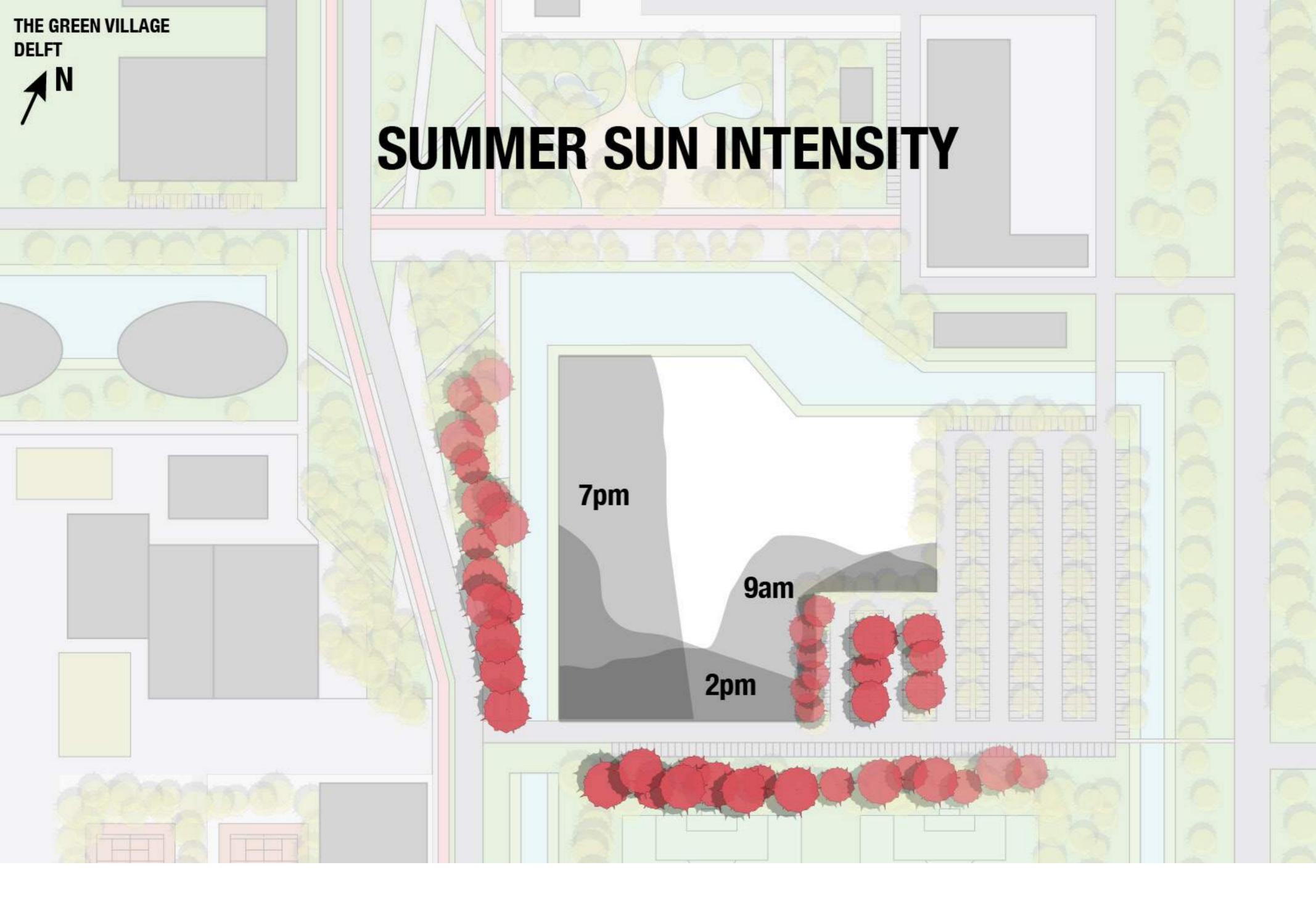
2050 2100 2150

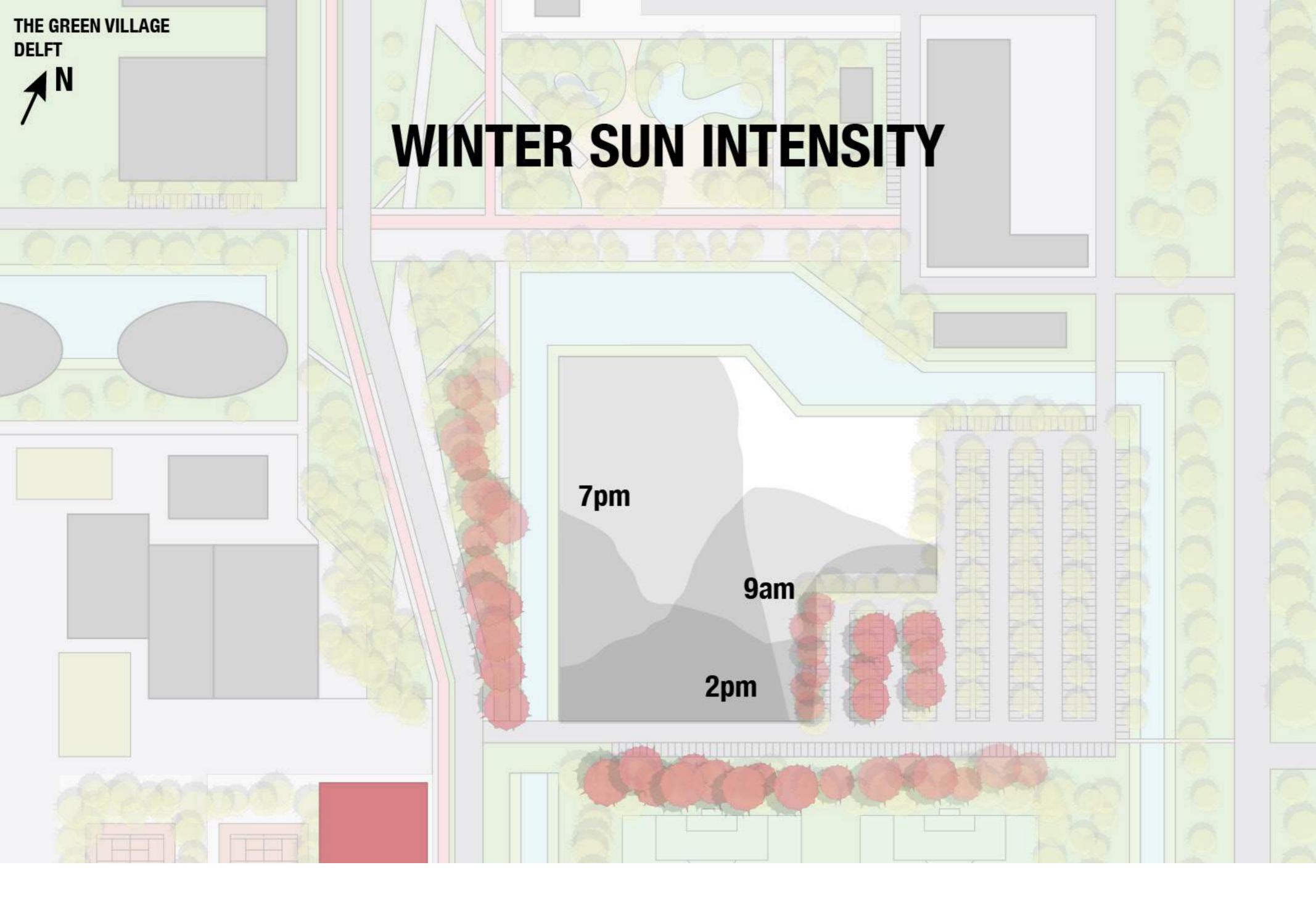


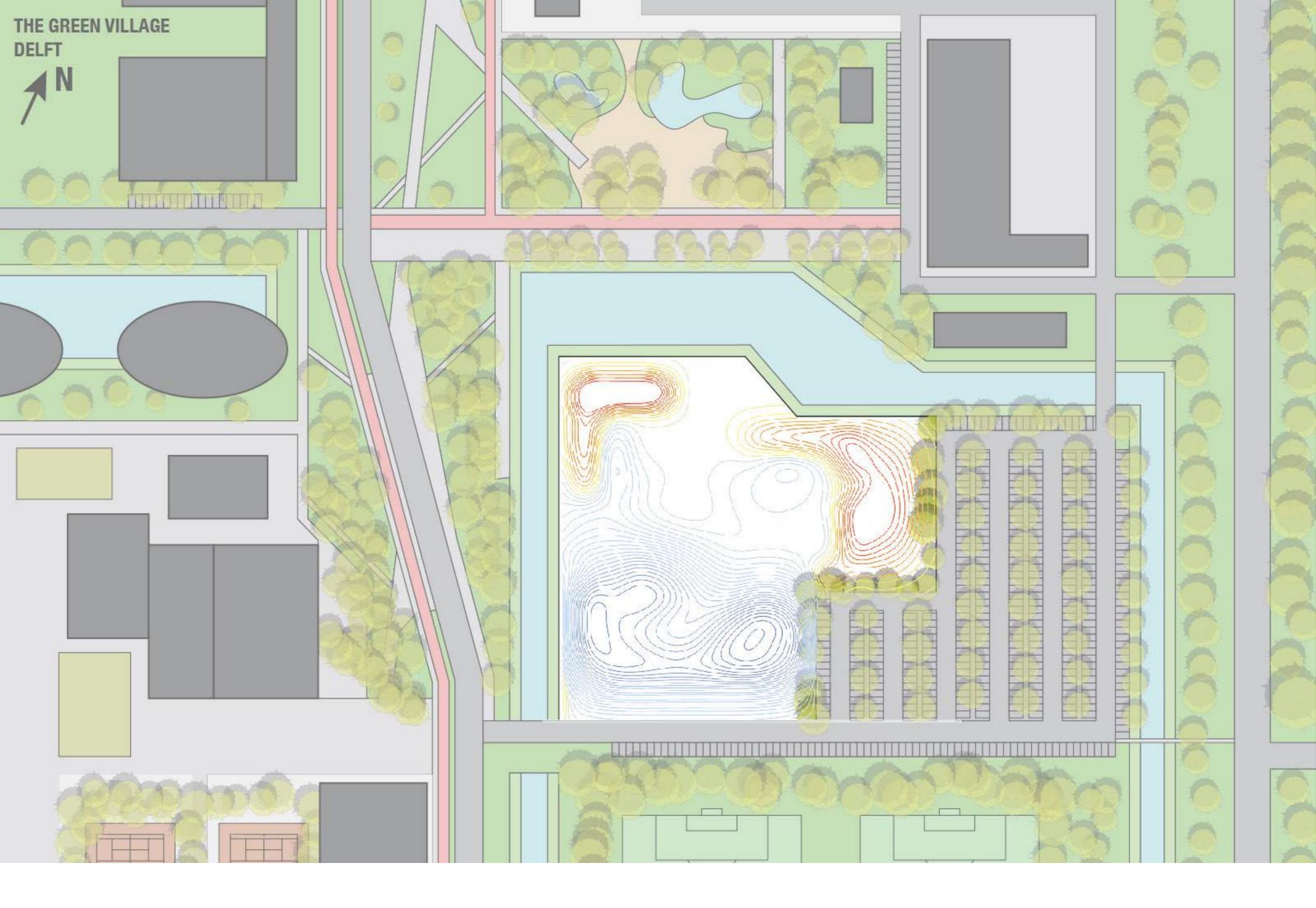
OFFICE? HOTEL/HOSTEL? DWELLING?

PROGRAM FLEXIBLE SPACE

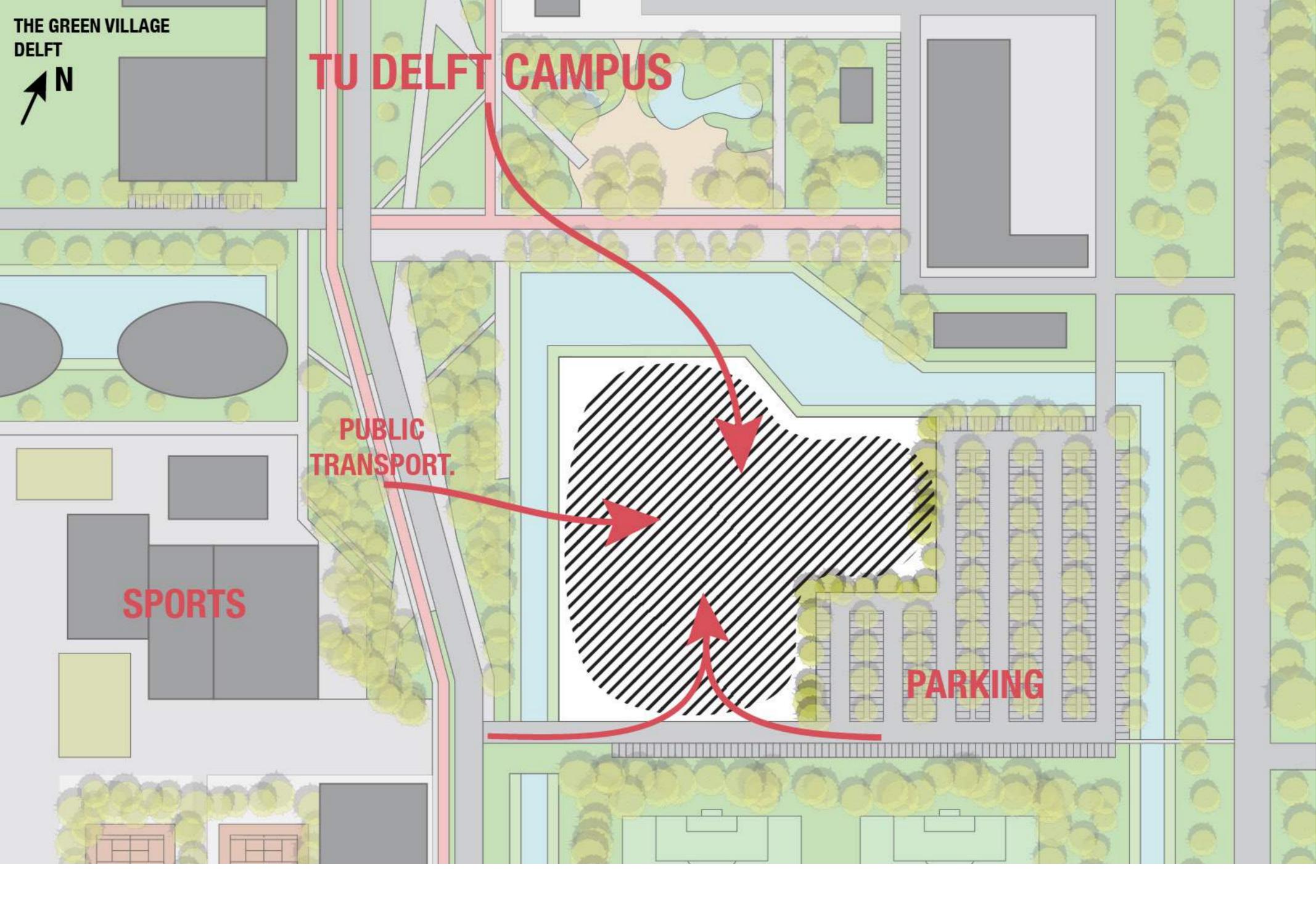




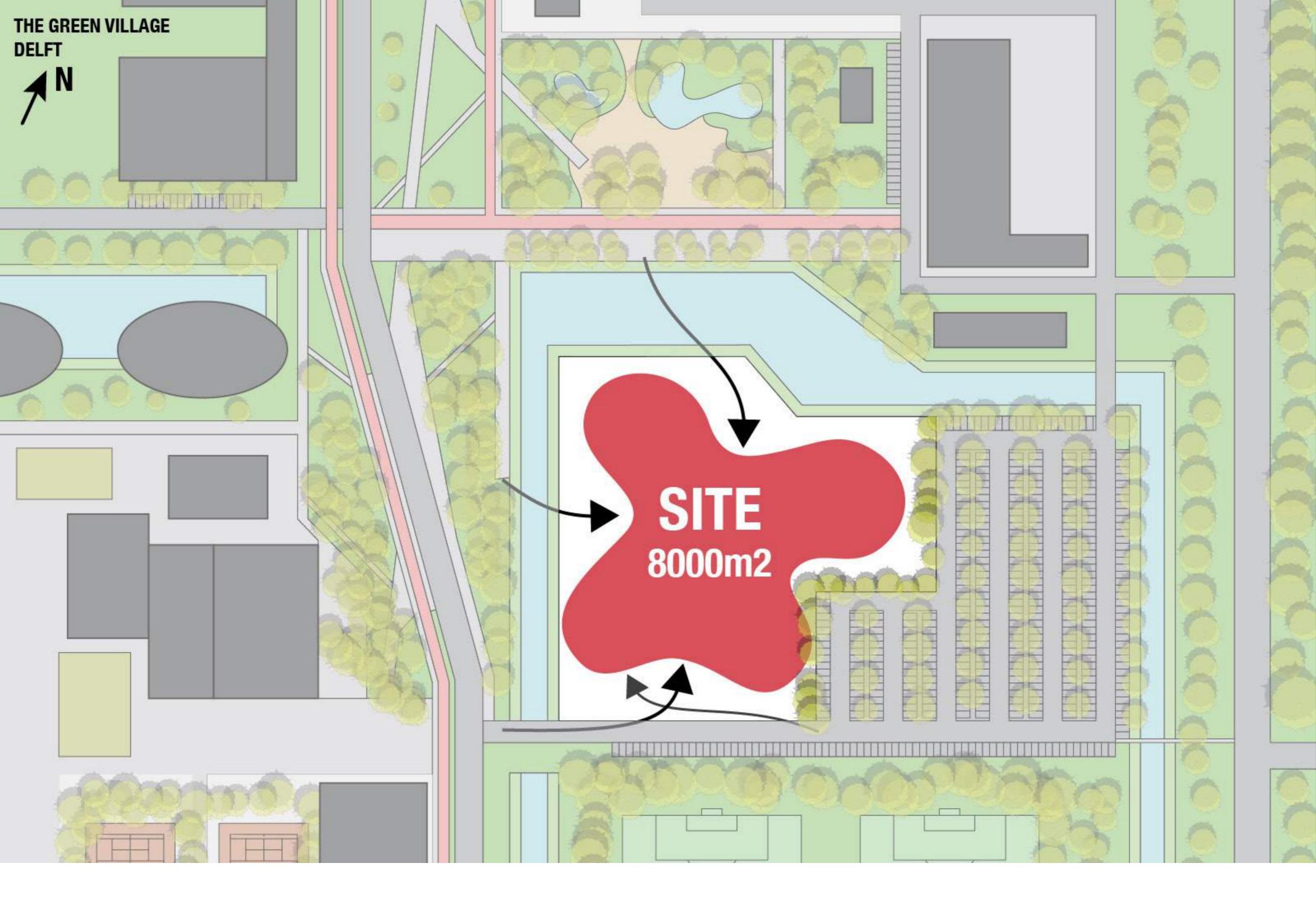




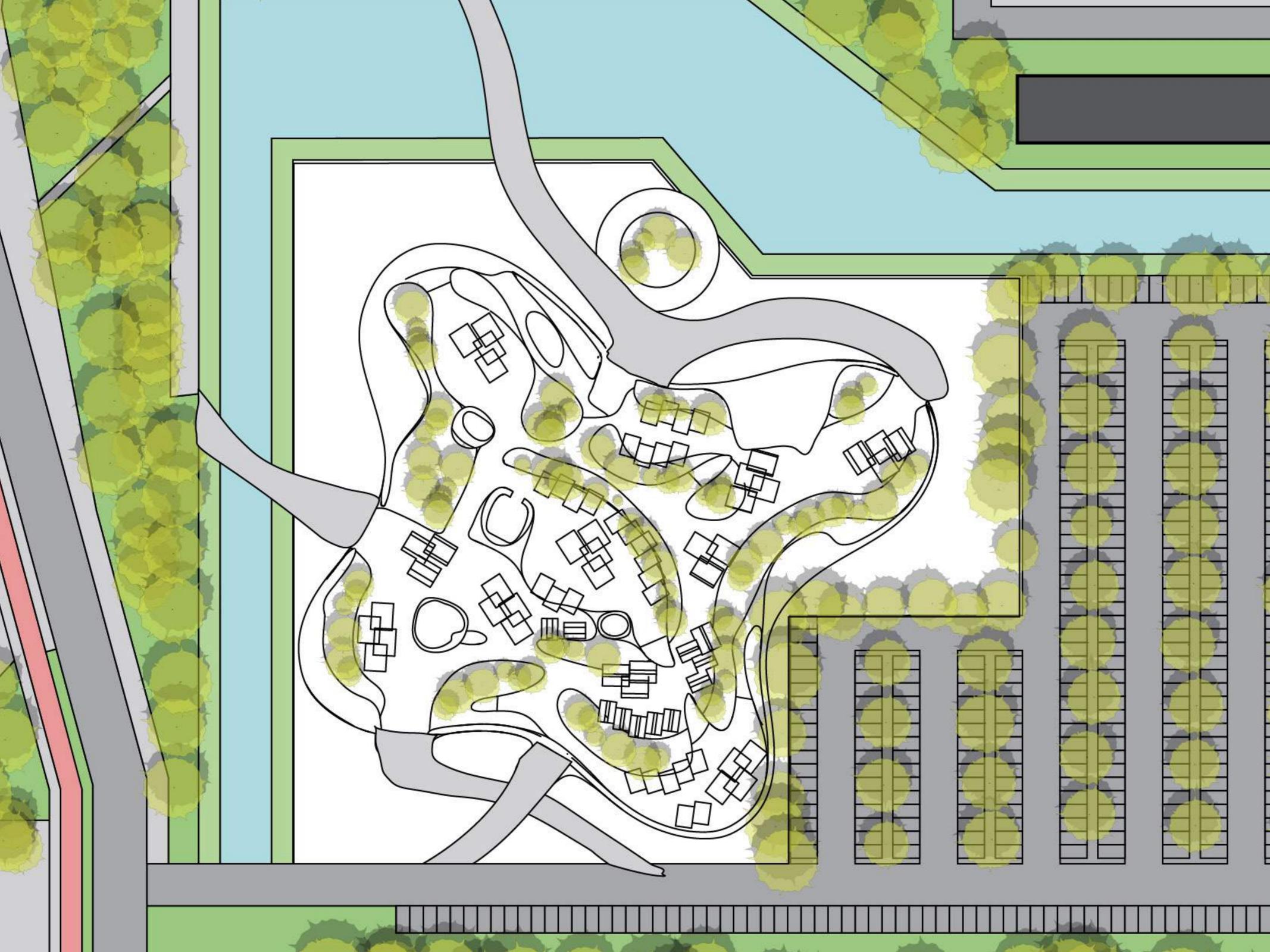
LANDSCAPE

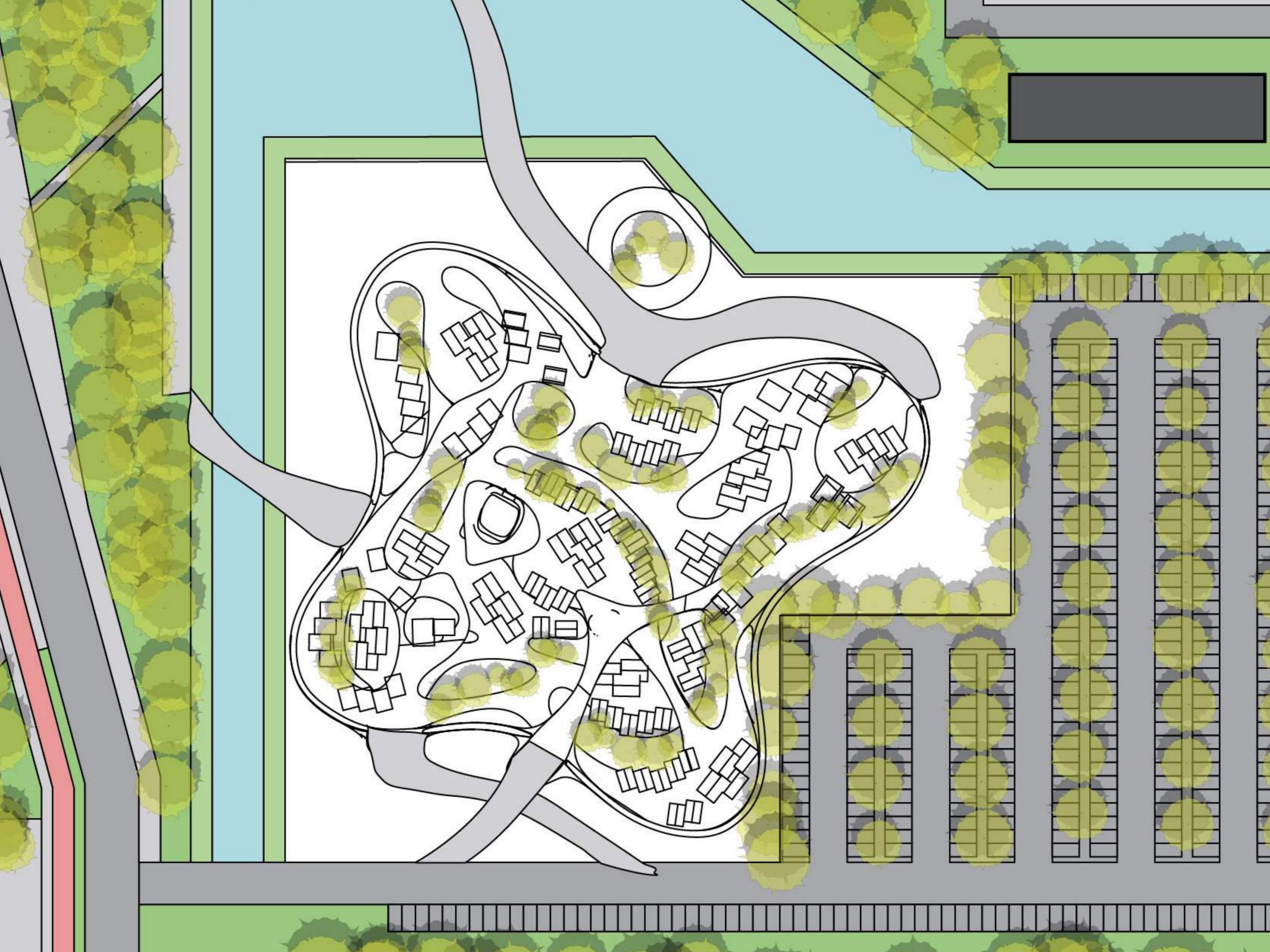


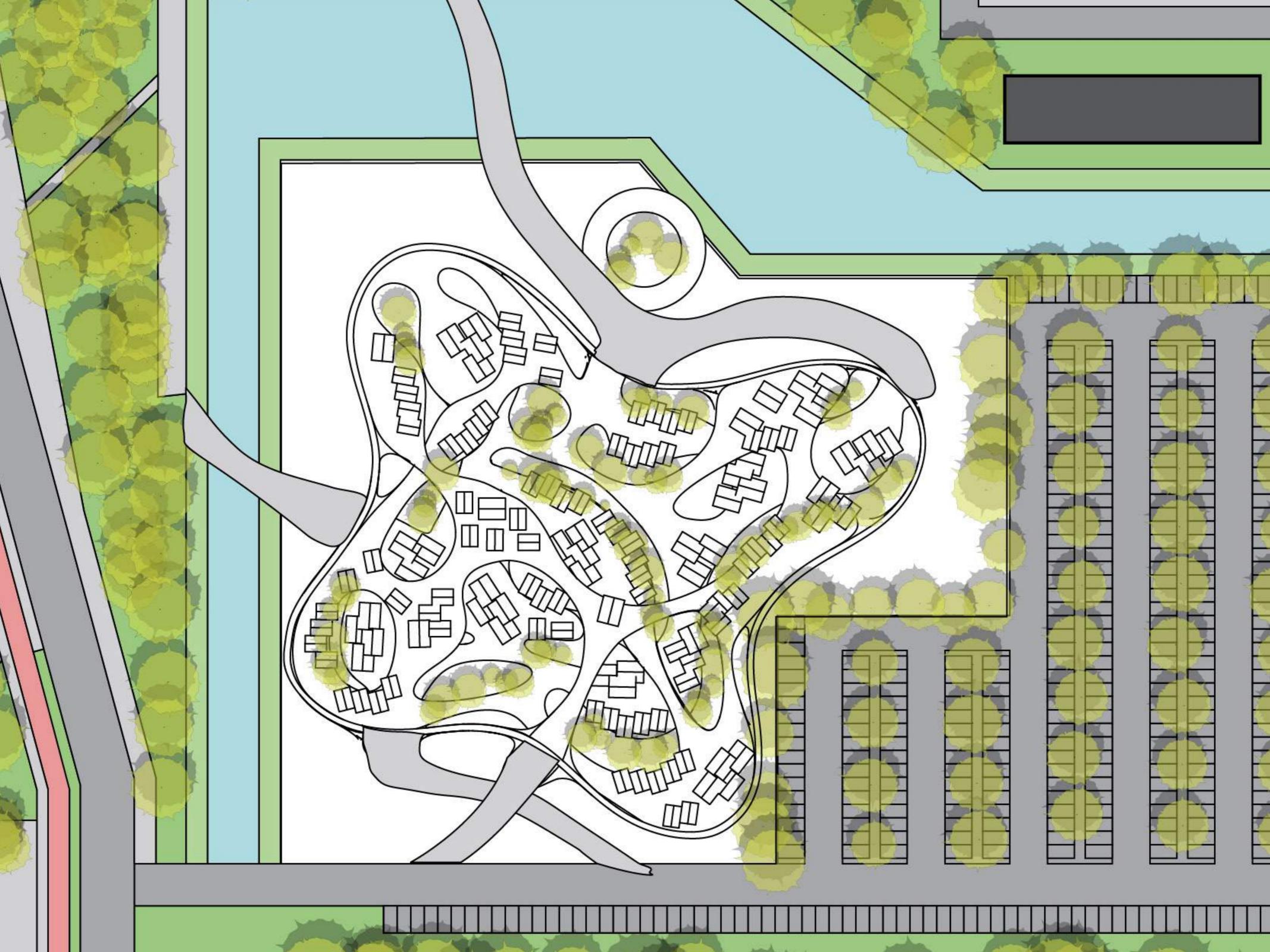
ENTRIES

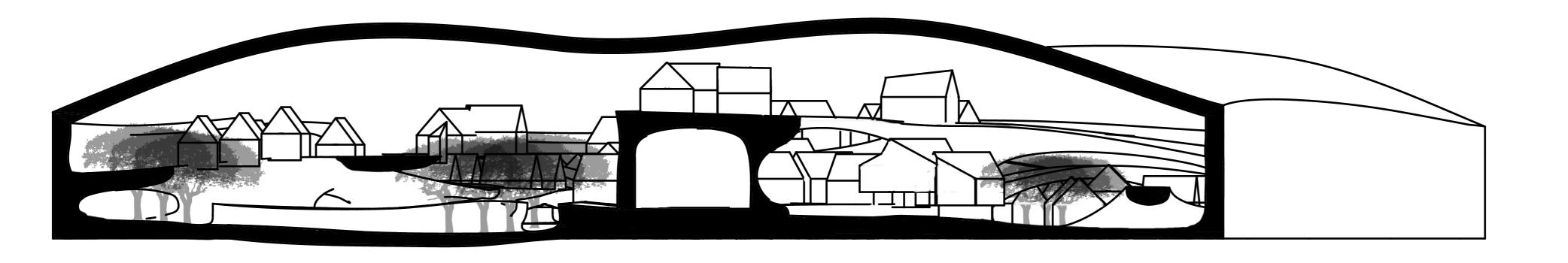


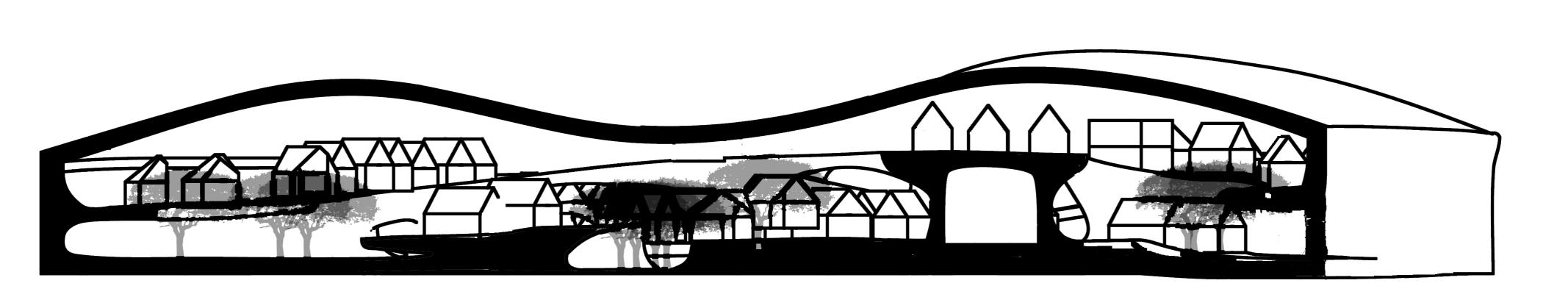
BUILDING PLOT

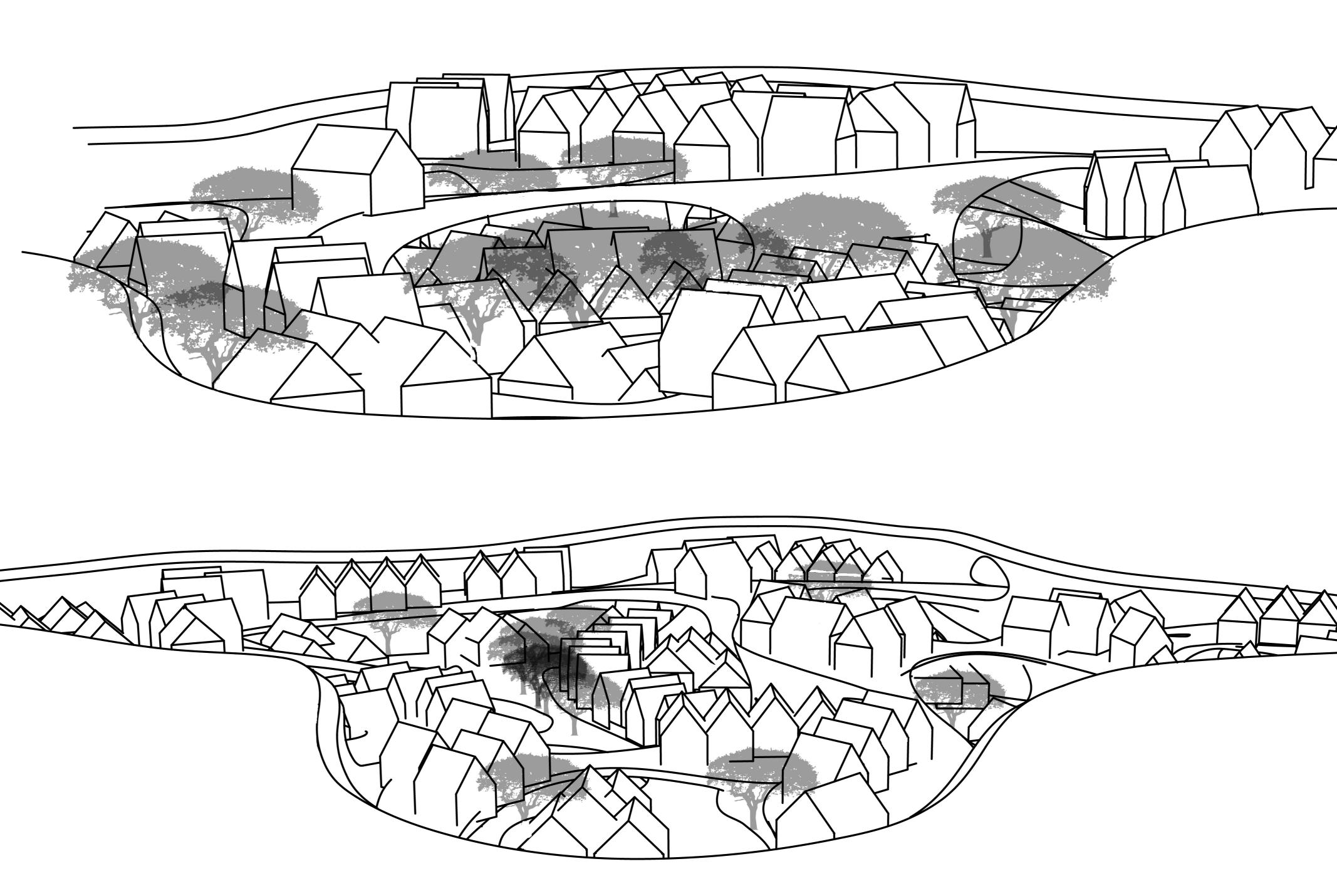


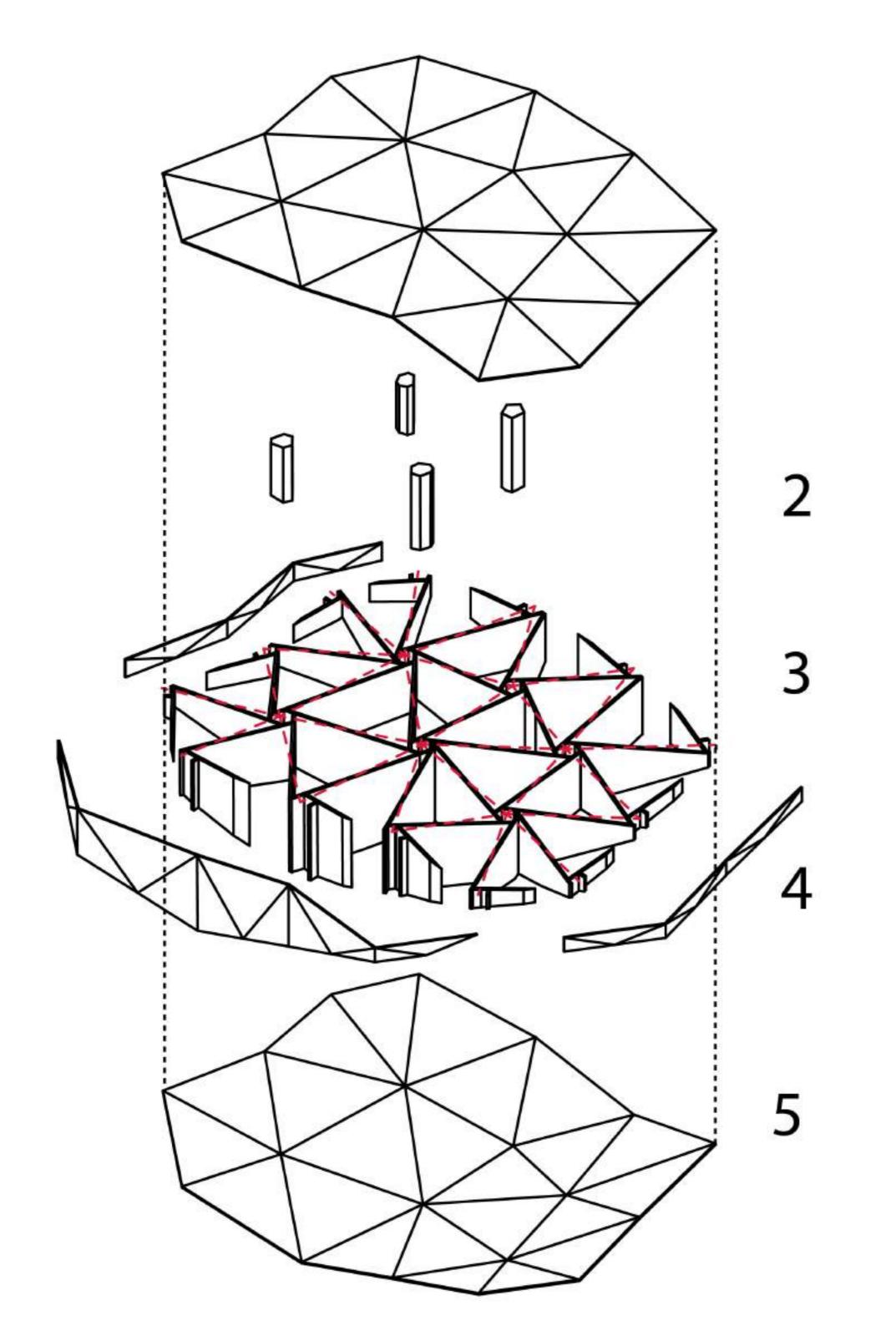


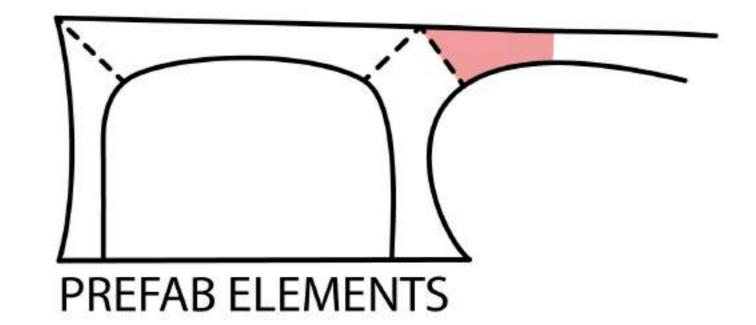




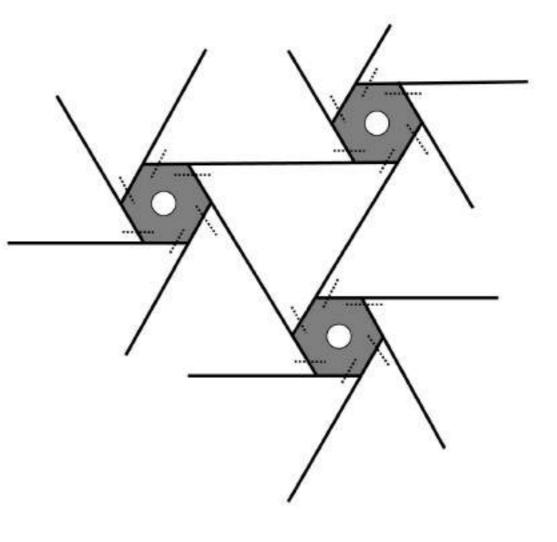




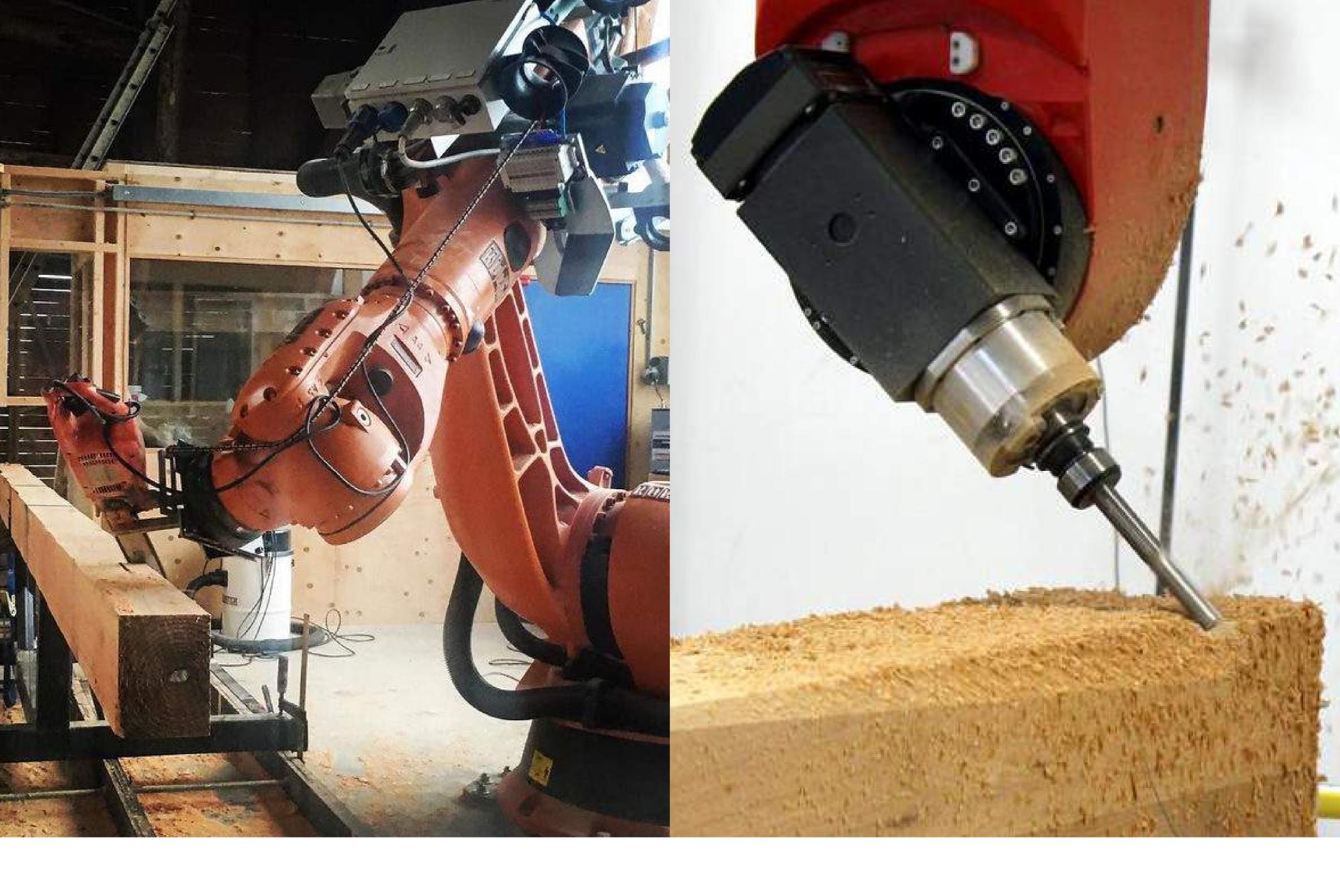




1 TOP SURFACE PLYWOOD
2 TIMBER COLUMNS
3 STRUCTURE PLYWOOD
4 SIDE COVER PLYWOOD
5 BOTTOM SURFACE PLYWOOD

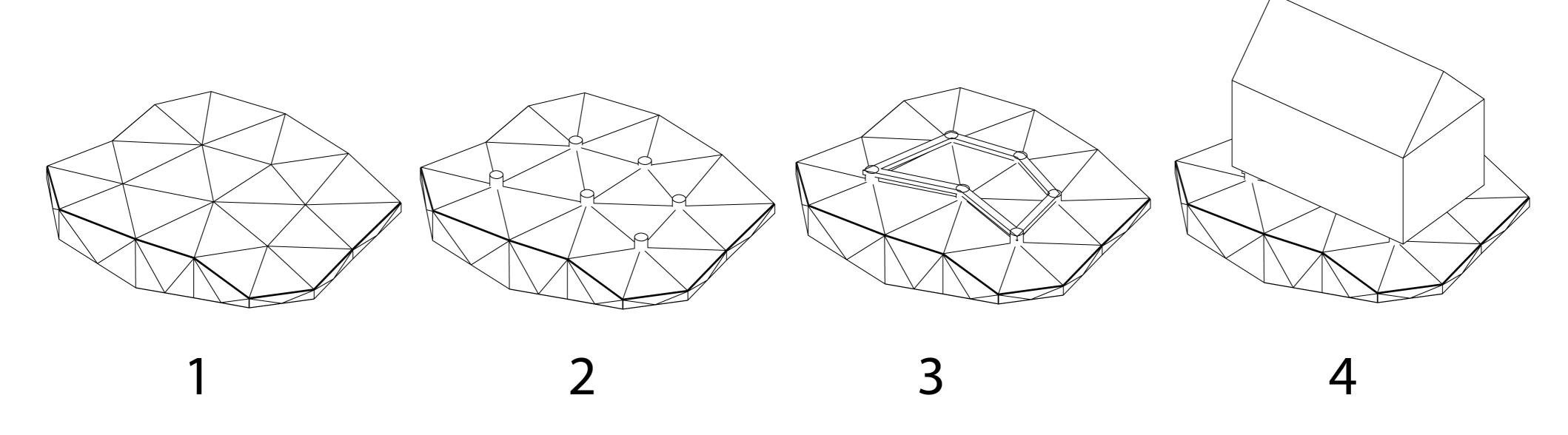


TRANSFERING LOADS

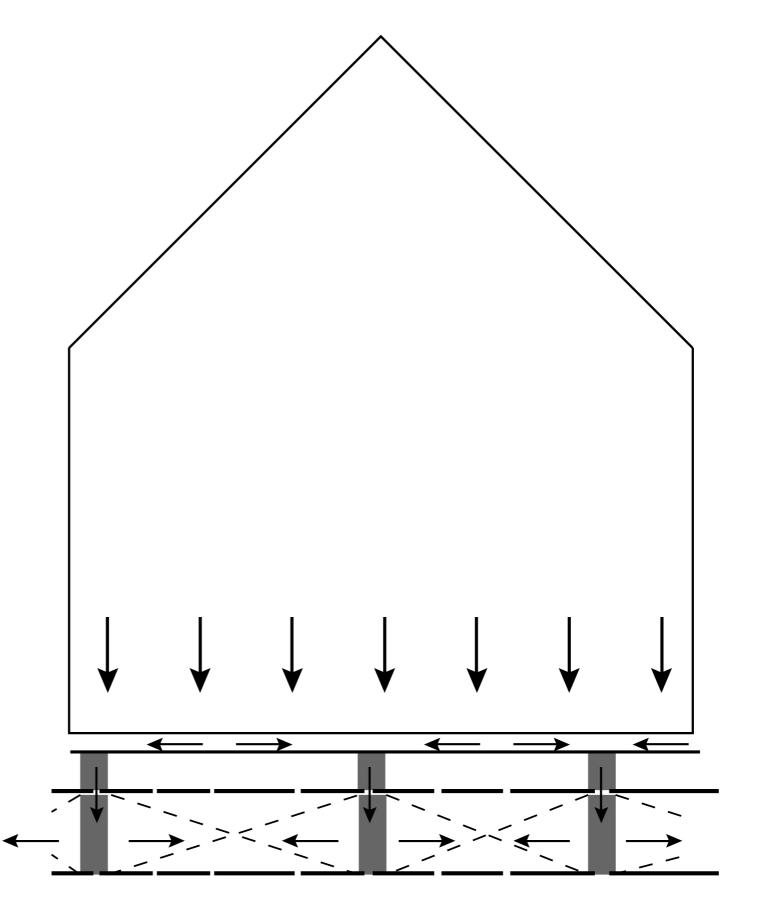


CNC ROBOTIC FABRICATION

MOVIE

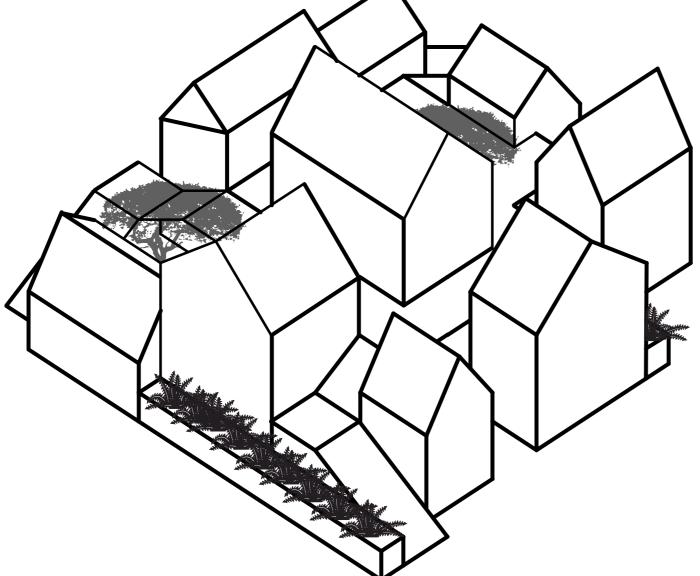


- 1 MAIN STRUCTURE
- 2 NODES TRANSFERING FORCES ON COLUMNS
- 3 HORIZONAL TIMBER TO TRANSFER ON NODES
- 4 FUNCTION FREELY PLACED ON BEAMS

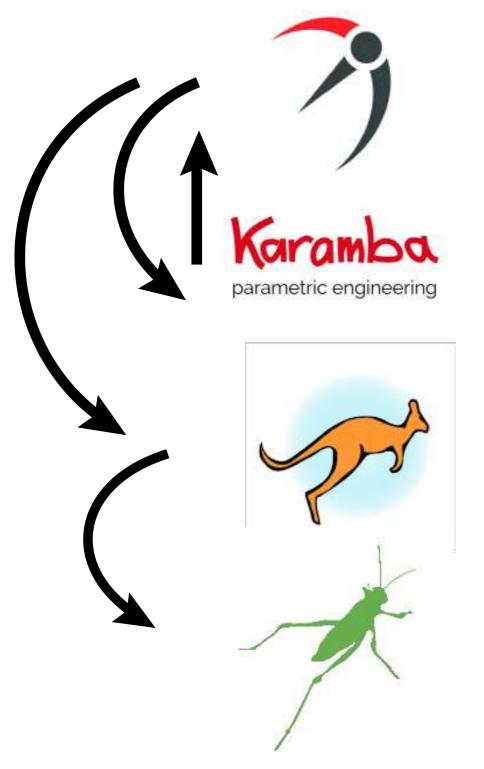


TOP & BOTTOM SURFACE STABALIZING STRUCTURE





Group Studenthousing 16x private space 12m2 collective space 30m2 collective bathroom 18m2



DESIGN CONTINUES SPACE
T-SPLINES

INTERIOR

2 STRUCTURAL ANALYSIS KARAMBA

3 TRIANGULISE SHAPE KANGAROO

4 GENERATE DETAILED STRUCTURE FOR FABRICATION GRASSHOPPER

ROOF

DESIGN CONTINUES SPACE
T-SPLINES

STRUCTURAL ANALYSIS KARAMBA

TRIANGULISE SHAPE KANGAROO & LADYBUG

GRASSHOPPER

GENERATE DETAILED STRUCTURE FOR FABRICA-TION

4.

