LODHA PALAVA

Sec 4 Lakefront Parcel Development

LANDSCAPE DESIGN NARRATIVE

CONTENTS

THE SITE

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DESIGN

THE SITE

- LOCATION AND CONTEXT
- SECTOR MASTER PLAN
- SHADOW STUDIES & ANALYSIS

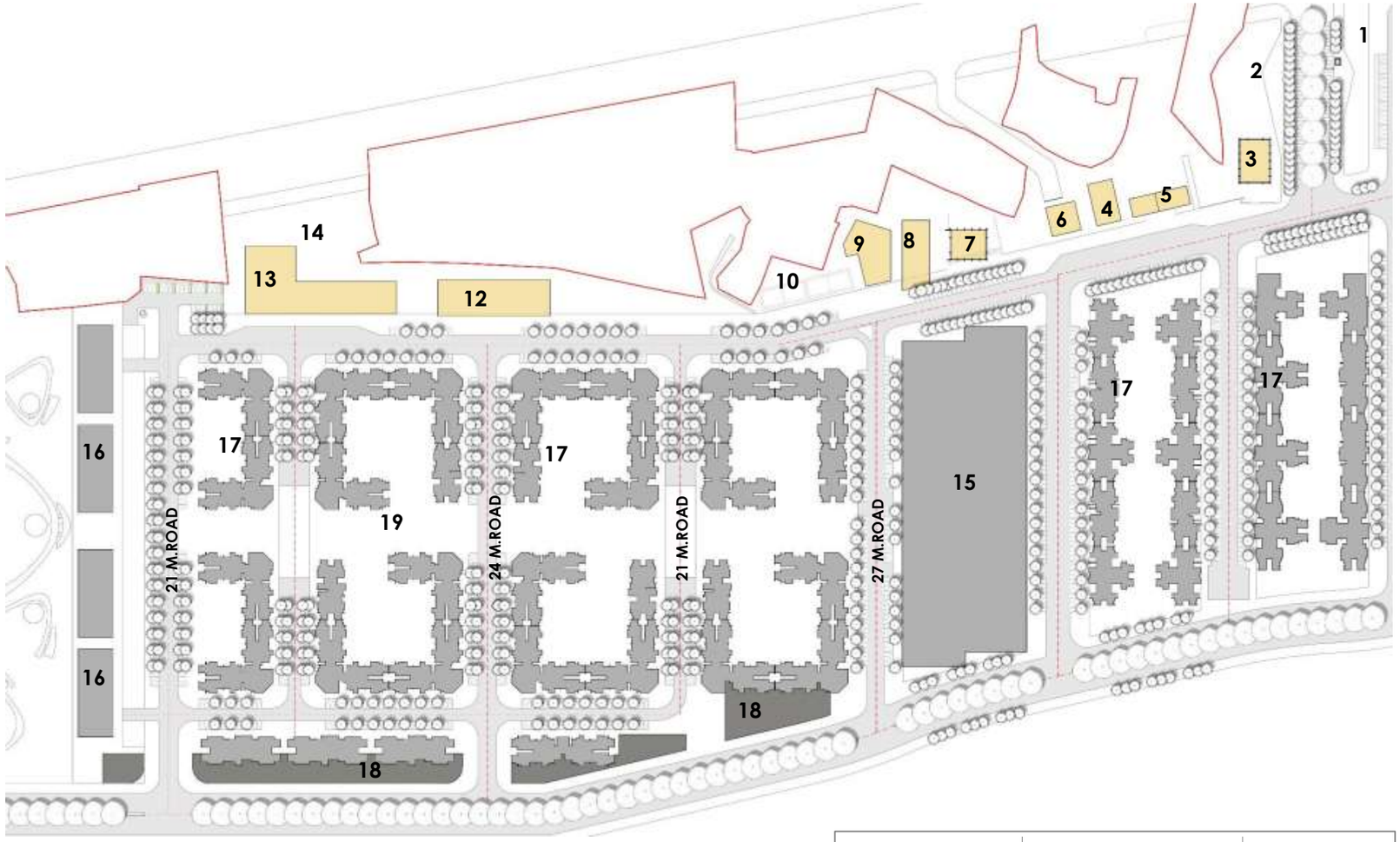


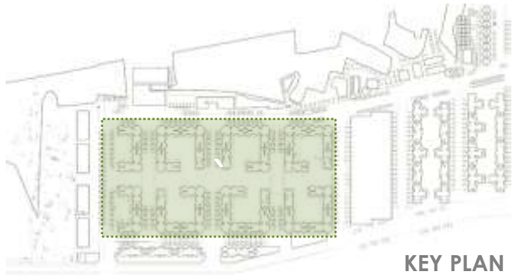
SITE AREA : 24 ACRES
(EXCLUDING SEC 4 MLCP & EVIVA 2)

LEGEND

- Courtyards
- Public Spaces
- Committed Built Footprint
- Plots under discussion
- Existing Water bodies
- Entry/Exit

GRID 100 X 100





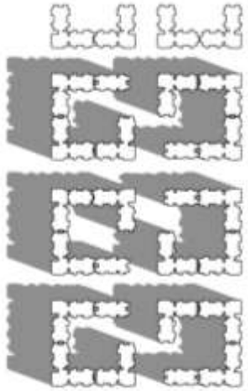
KEY PLAN

Key Amenity	Buildings Area Ground Coverage	Building Height
School	2100 SQ M	G+5
Club	980 SQ M	G+1
Prayer Hall	335 SQ M	G
Gurudwara	335 SQ M	G
Police station	250 SQ M	G+ 1

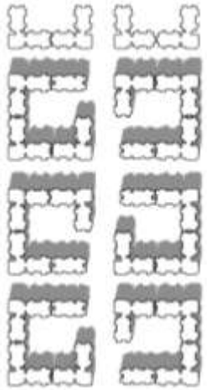
LEGEND

1. Entrance to Sec 4 and Lakefront parcel
2. Entrance garden / art
3. Gurudwara
4. Fire station
5. Fire station quarters
6. Police station
7. Prayer Hall
8. Electric Substation
9. Grey water Treatment Plant
10. Paly Courts
11. Park _ Dog walking park
12. Club House
13. School
14. School Play Area
15. MLCP
16. Aspi Blocks
17. Casa Residences
18. Retail
19. Green Corridor

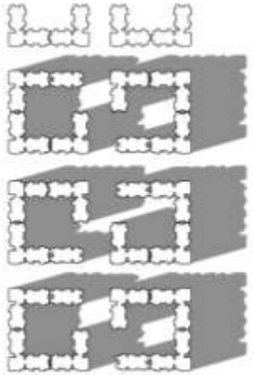
Land not acquired



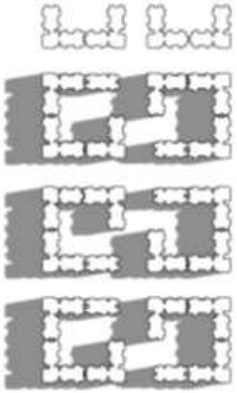
March 10am



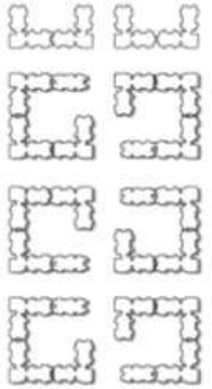
March 1pm



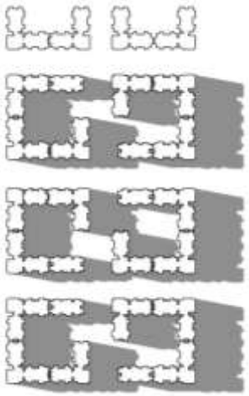
March 4pm



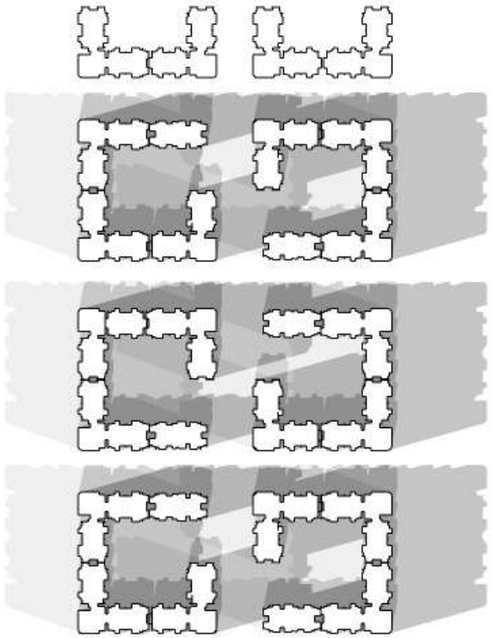
July10am



July 1pm

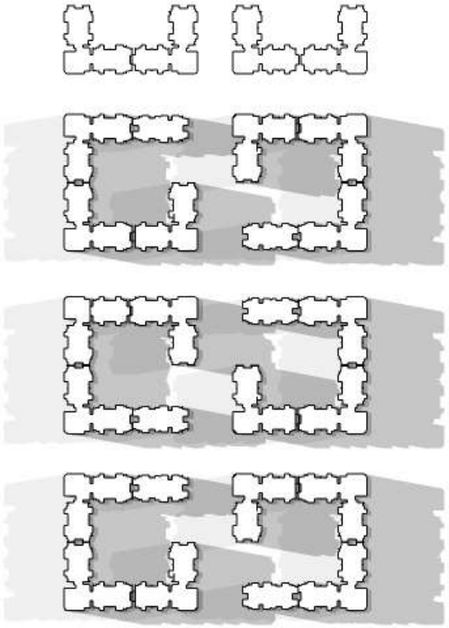


July 4pm



Study throughout the day in March

Inference: The areas on the south of the courtyards are shaded throughout the day. Very few parts are always exposed to sunlight.

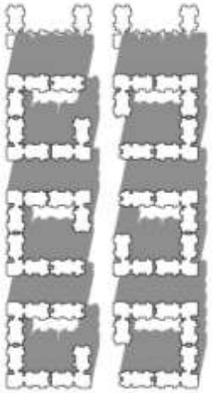


Study throughout the day in July

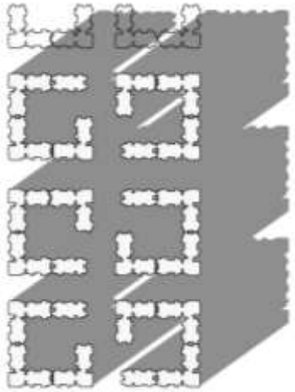
Inference: Least amount of areas are shaded throughout the day compared to other seasons of the year. Maximum areas of the east courtyards are exposed to harsh daylight.



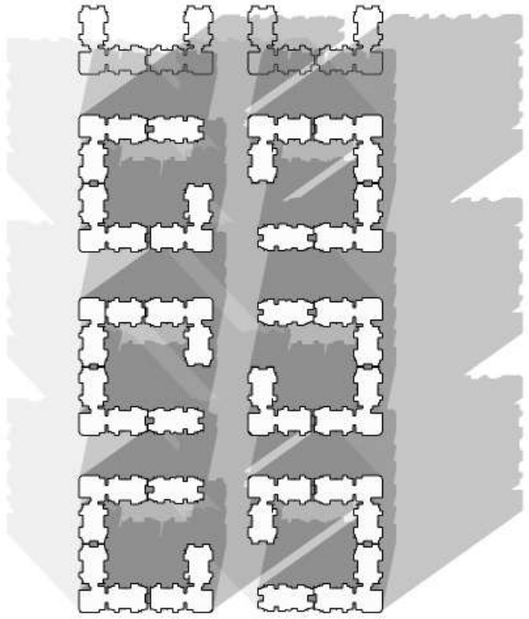
December 10am



December 1pm

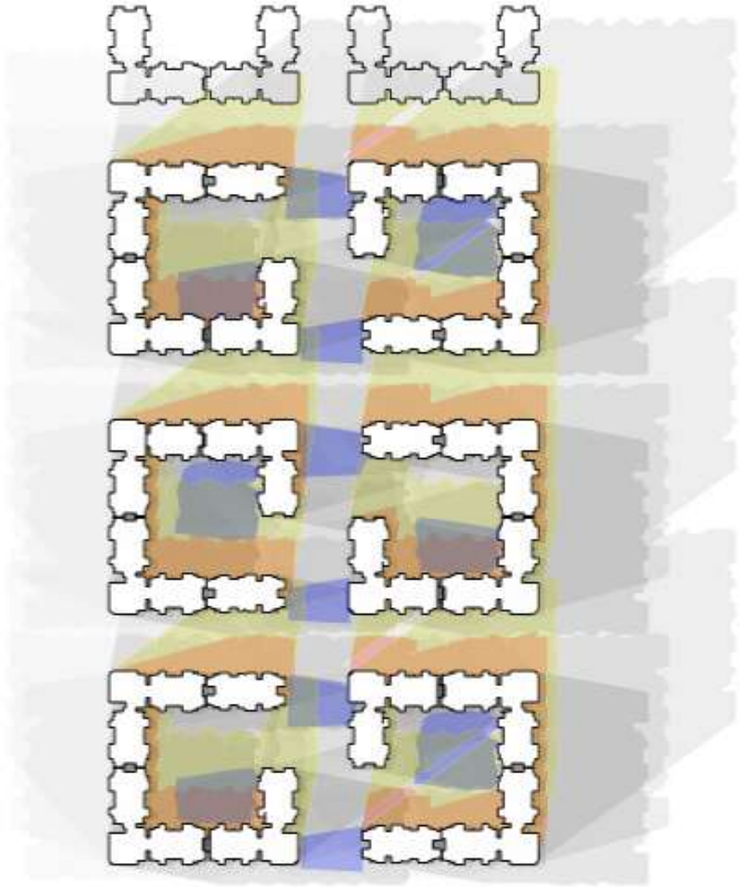


December 4pm



Study throughout the day in December

Inference: Almost three fourth the area from the south of each courtyard is shaded throughout the day. The east courtyards could have more tree cover compared to the west ones.



Study throughout the year

March

July

December

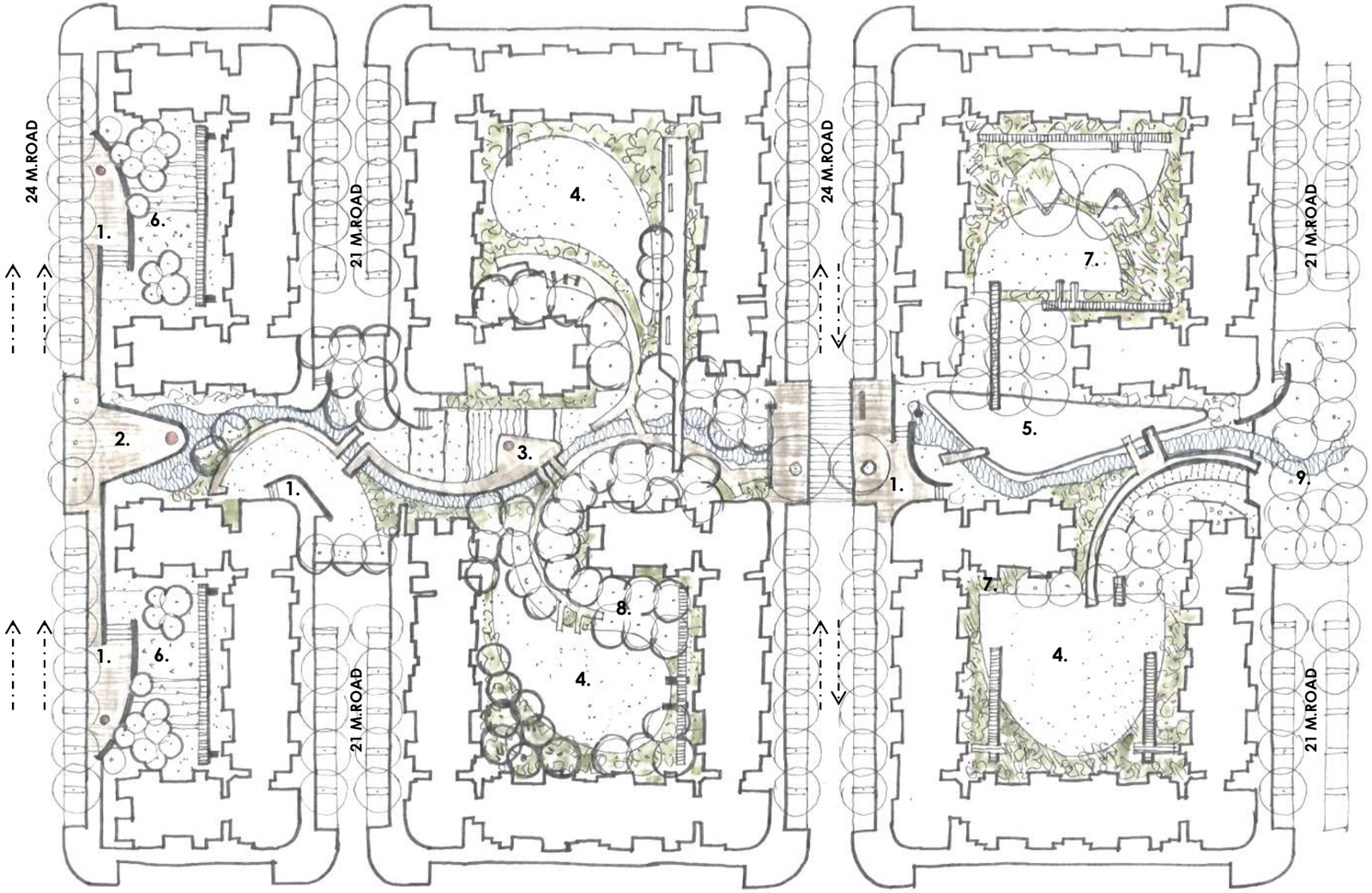
Inference: The south eastern corners of three courts always remain in shade throughout the year. The other areas of the courtyards are shaded during certain months and certain times of the day.

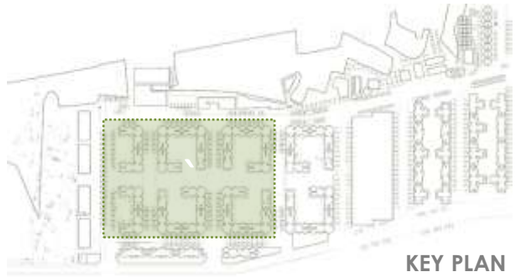
DESIGN DEVELOPMENT: THE BEGINNING

- DESIGN ITERATIONS

OPTION 1

The landscape grain is expressed keeping the central idea of decks and walkways along the seasonal water body (swale).



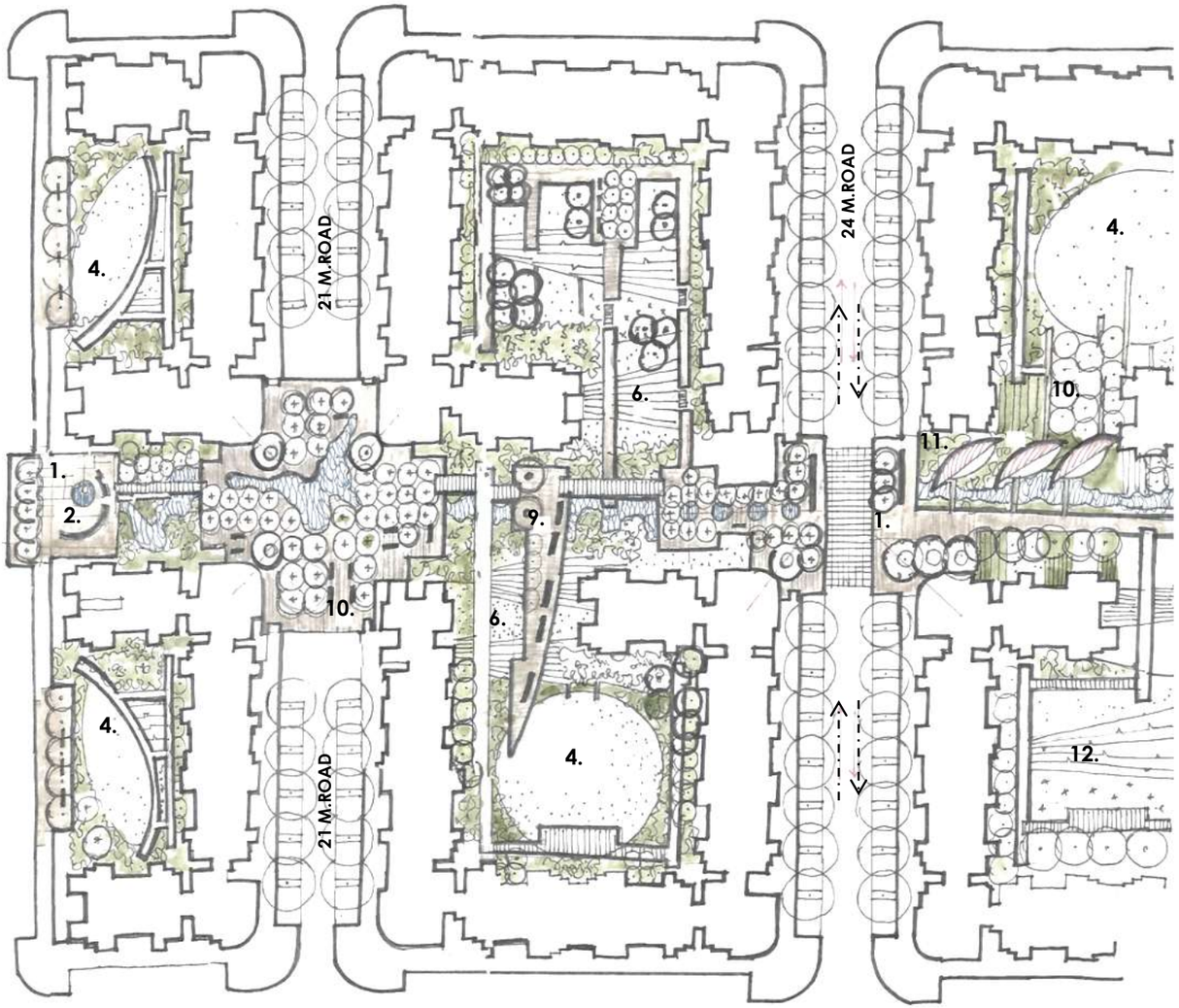


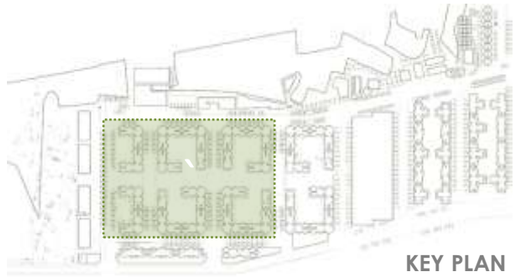
LEGEND

1. Entrance to the Central Green Spine
2. Plaza with Art
3. Deck / Bridge Over Swale
4. Congregation Lawn
5. Play Ground
6. Seasonal Flower Court
7. Grass Land Court
8. Orchard Court
9. Deck with Open Gym
10. Tree Plaza with Seating
11. Play Pods / Boats
12. Herb Court

OPTION 2

The landscape grain is expressed through a series of plazas that are organized along with urban nodes and cluster level open spaces.





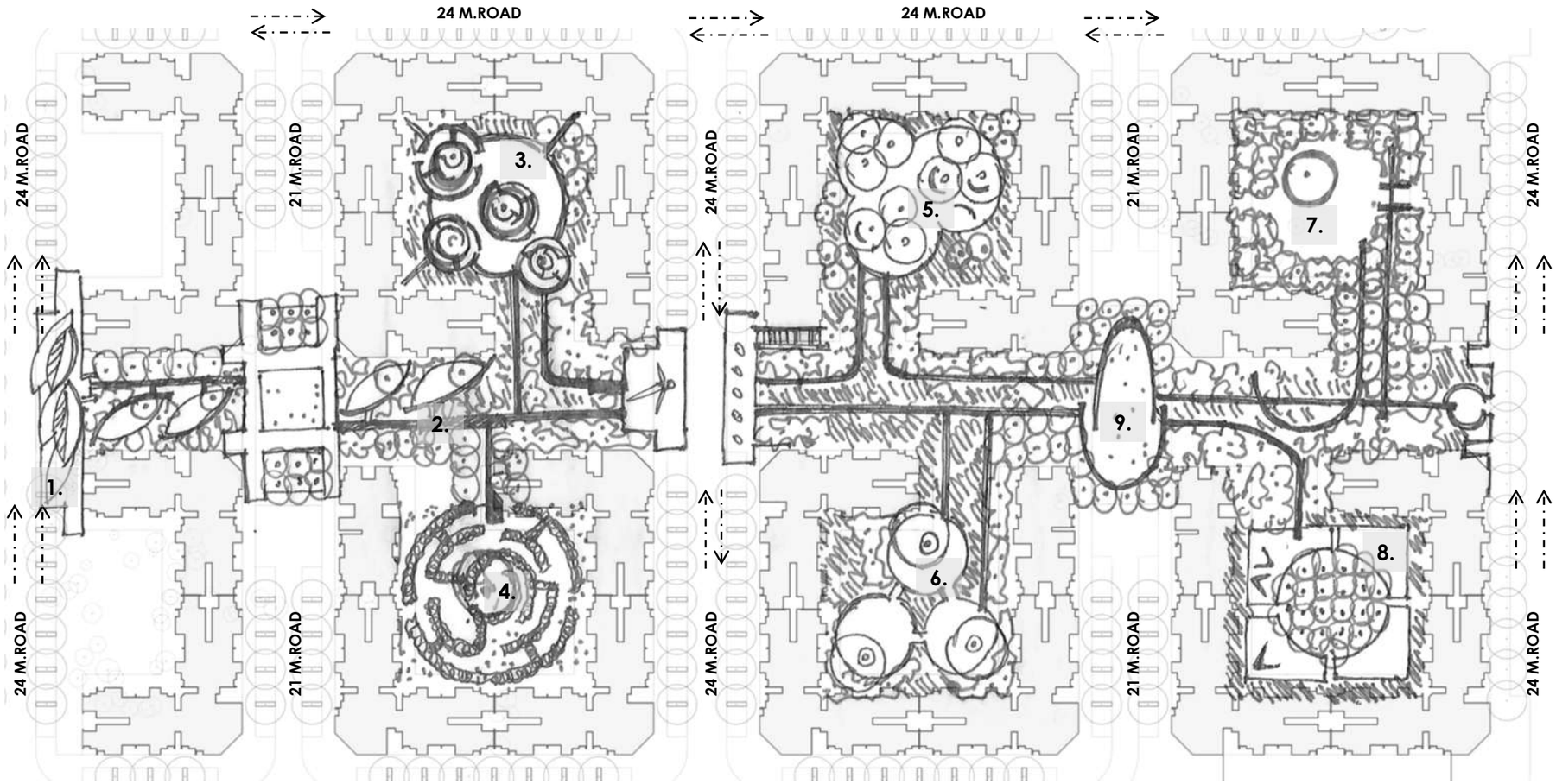
LEGEND

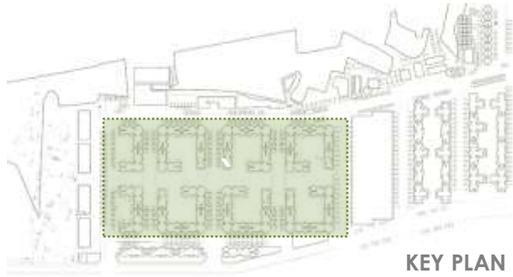
1. Entrance to the Central Green Spine
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4. Congregation Lawn
5. Play Ground
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7. Grass Land Court
8. Orchard Court
9. Deck with Open Gym
10. Tree Plaza with Seating
11. Play Pods / Boats
12. Herb Court

0 5 10 20

OPTION 3

The idea of central plazas weaved with different elements of water.





KEY PLAN

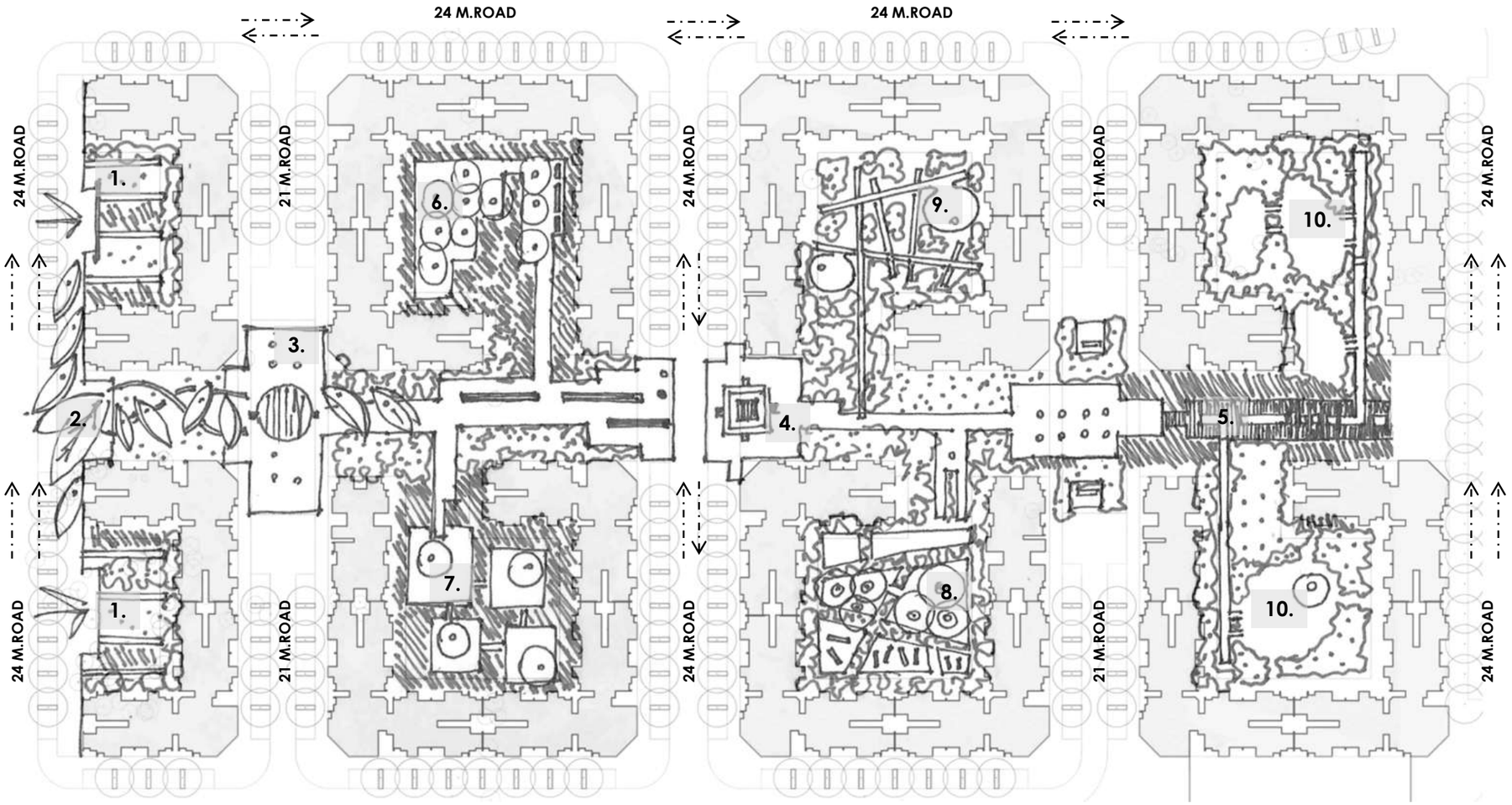
LEGEND

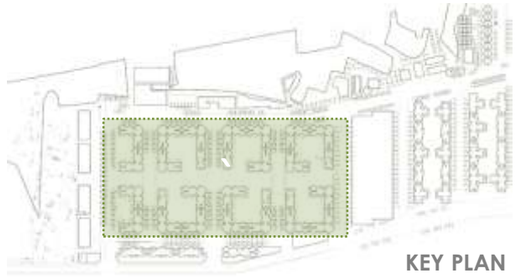
1. Trellised entrance to the central green spine
2. Linear narrow walkways passing through forest
3. Seating pods
4. Maze
5. Play courts
6. Gathering spaces
7. Openings in forest
8. Orchard
9. Maidan

0 5 10 20

OPTION 4

The idea of linear forest with walkways to traverse through that disintegrates into spaces that are carved through thick plantation.





KEY PLAN

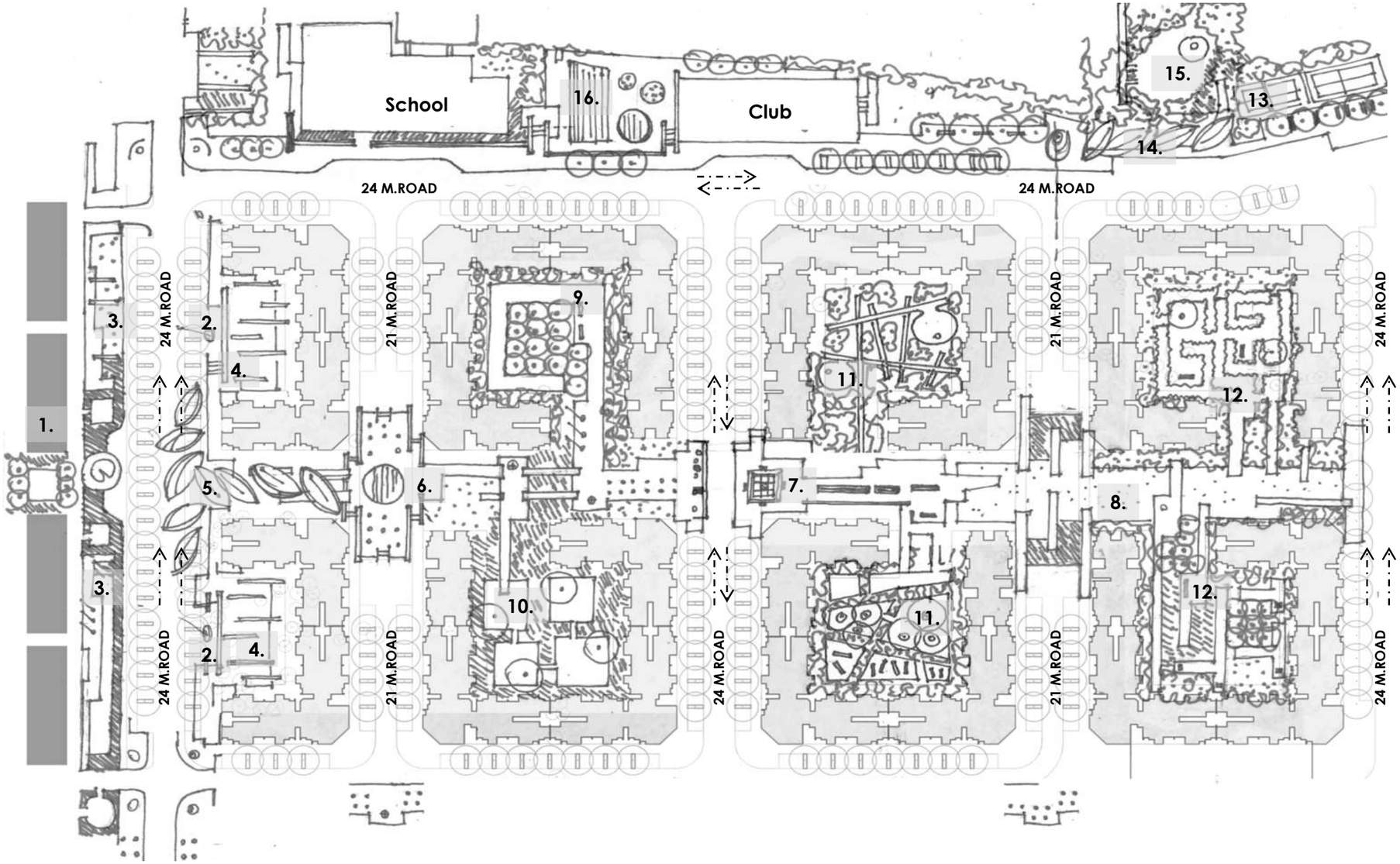
LEGEND

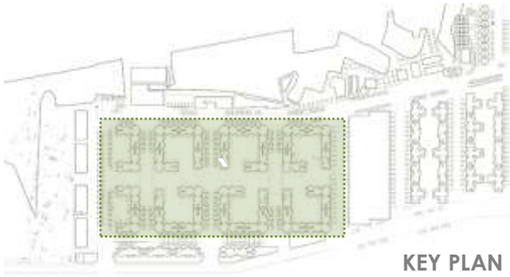
1. Linear public plaza
2. Trellised entrance to the central green spine
3. Main spine plaza with water feature
4. Plaza with water fountains
5. Water plaza – walkway within water
6. Orchard
7. Play area within the grassland
8. Play area and seating spaces in forest
9. Woodland court with openings for congregation spaces
10. Congregation spaces/ lawn

0 5 10 20

OPTION 5

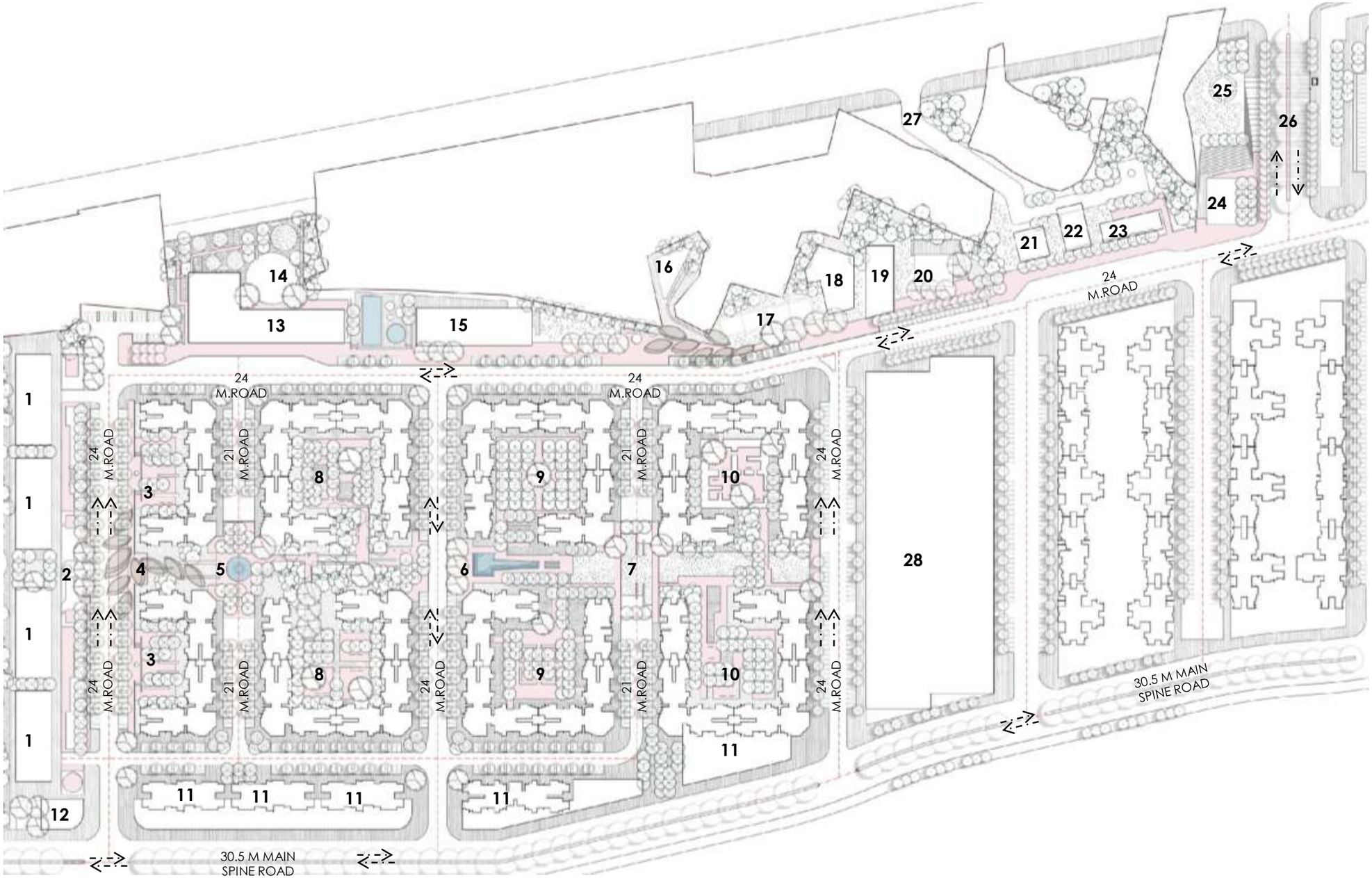
The idea of central plaza weaved with different play spaces and tree courts.





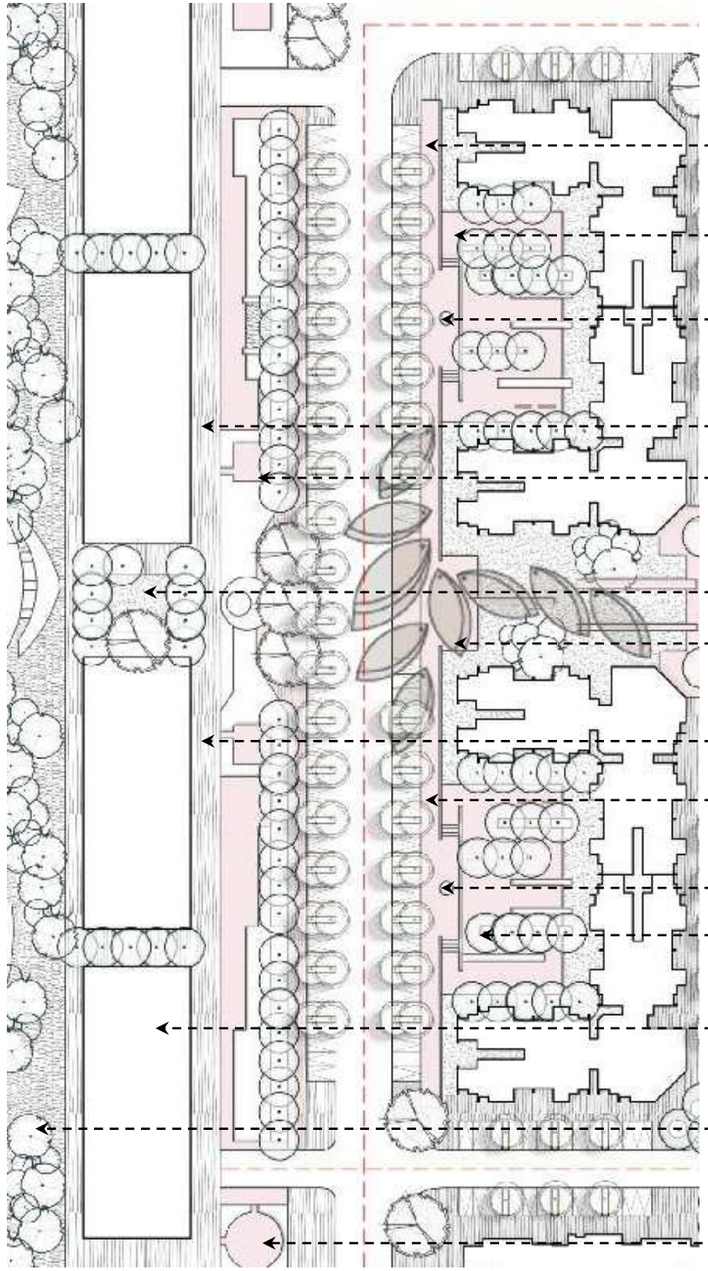
LEGEND

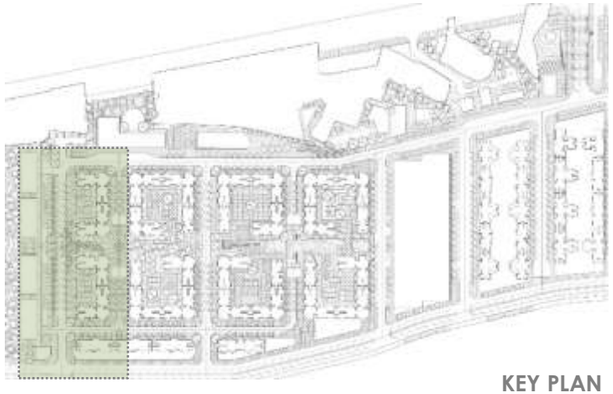
1. ASPI block
2. Public art
3. Dense shrub planting
4. Linear public plaza
5. Trellised entrance to the central green spine
6. Main spine plaza with water feature
7. Main spine plaza with water fountains and water rills
8. Children's platy space
9. Orchard
10. Play area within the grassland
11. Woodland court with openings for congregation spaces
12. Hedge gardens
13. Tennis courts
14. Trellised public plaza
15. Dog walk park
16. Swimming pool area



LEGEND

1. ASPI buildings
2. Public Art
3. Trellised entrance to central green spine
4. Linear public plaza
5. Central spine plaza with water fountain
6. Plaza with water feature_ Kund
7. Large children's play area
8. Rare tree courtyards
9. Woodland court
10. Maze court
11. Casa buildings with retail
12. Restaurant / F&B
13. School
14. Large maidan with small gardens
15. Club with swimming pool
16. Dog walk park
17. Play courts
18. Grey water treatment plant
19. Substation
20. Prayer Hall
21. Police station
22. Fire station
23. Fire station Quarters
24. Gurudwara
25. Public art
26. Taloja road entrance
27. Entry / Access to Police station and fire station
28. MLCP



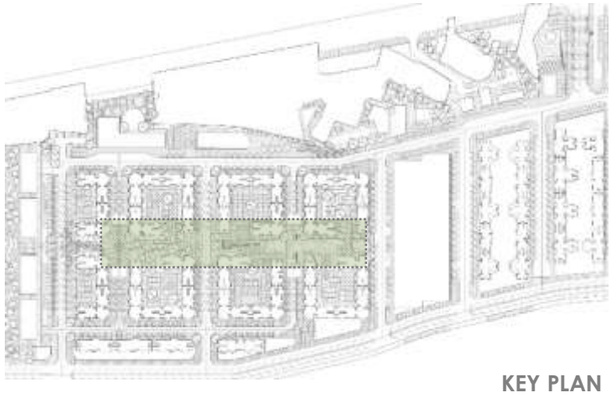


KEY PLAN

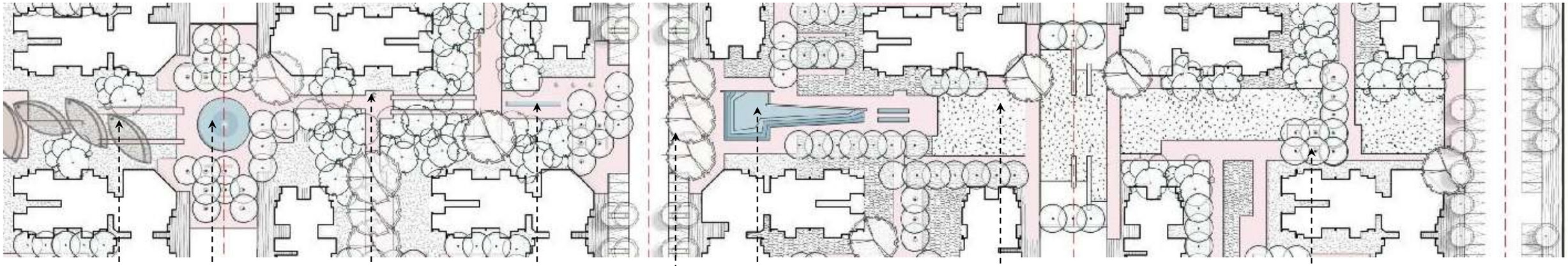
PART I: GARDEN FOR THE ASPI BLOCKS AND ENTRY TO THE LINEAR PARK

0 5 10 20

PART II: THE LINEAR CORRIDOR



KEY PLAN



TRELLISED ENTRANCE

WATER FOUNTAIN

MARKET / ART

PLAZA WITH WATER RILL

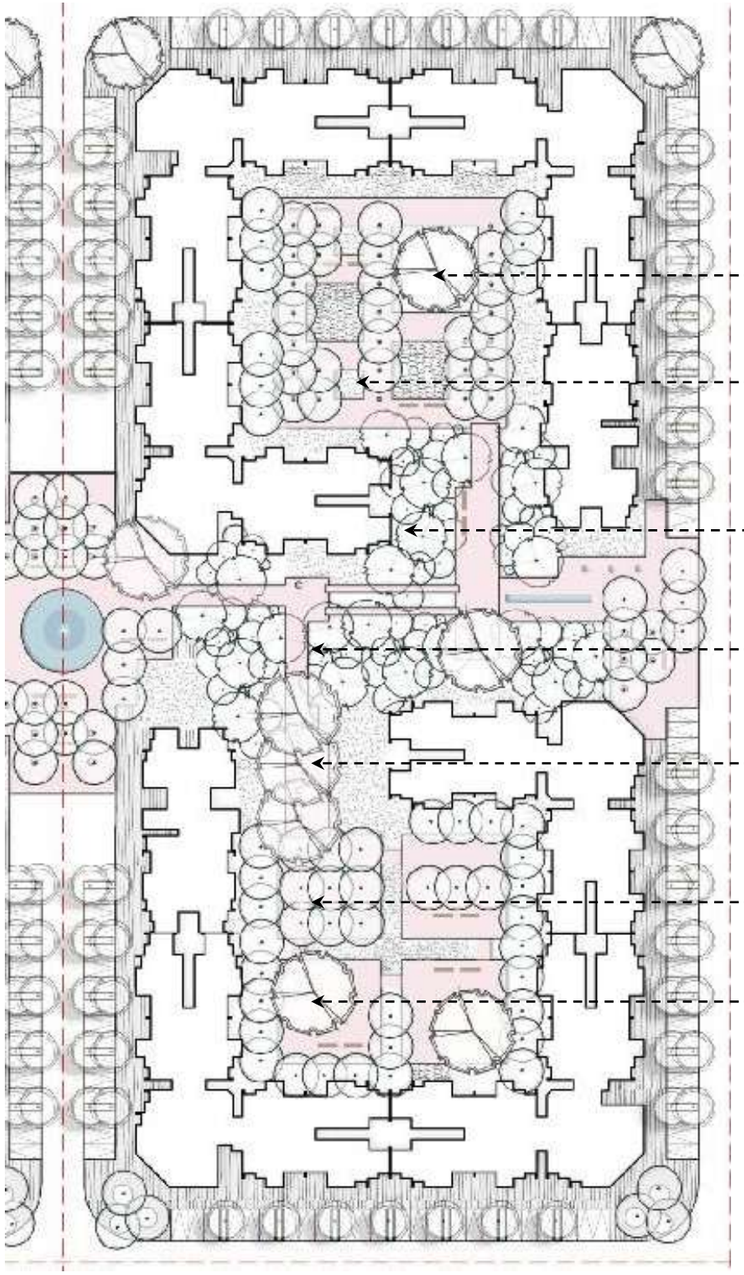
SECONDARY ENTRY

WATER FEATURE *KUND*

CHILDREN'S PLAY AREA

PLAZA WITH TALL TREES

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CONGREGATION SPACES UNDER LARGE SHADE TREE

SEATING AMONGST GRASSES AND TALL TREES

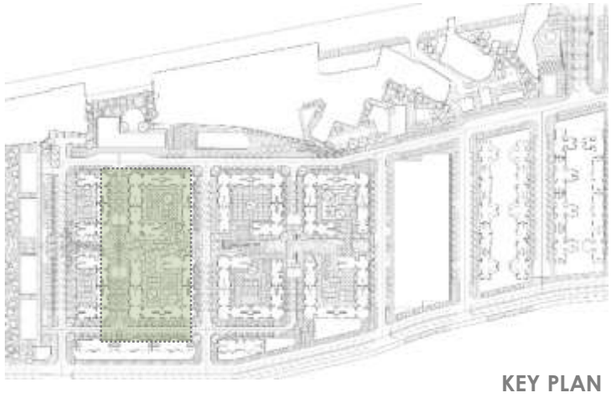
DENSELY PLANTED TREES MARKING AN ENTRANCE TO THE COURTYARDS

WALKWAY UNDER LARGE TREES

TALL RARE TREES COURT

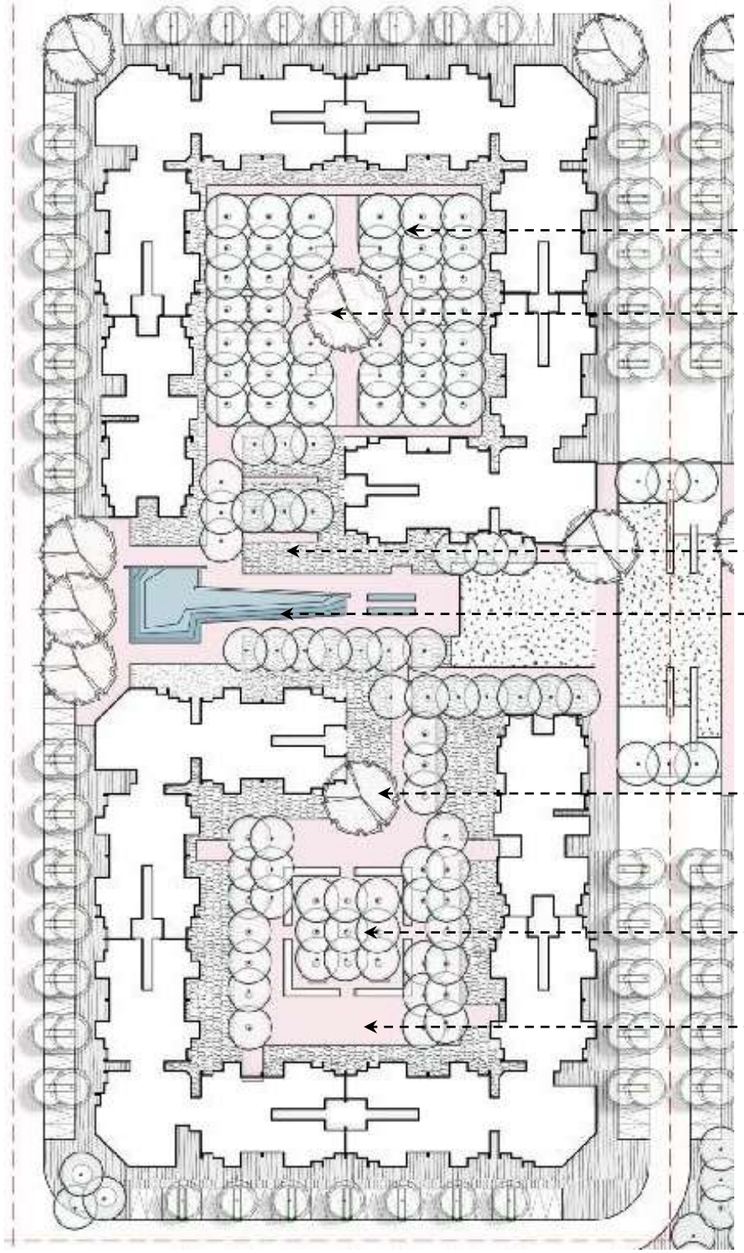
PLAZA WITH SEATING UNDER LARGE RARE SHADE TREES

RARE TREE COURTS



KEY PLAN

0 5 10 20



A GROVE OF LARGE TREES

LARGE SPECIMEN TREE MARKING THE COURT

GRASSES LEADING TO THE COURTYARD

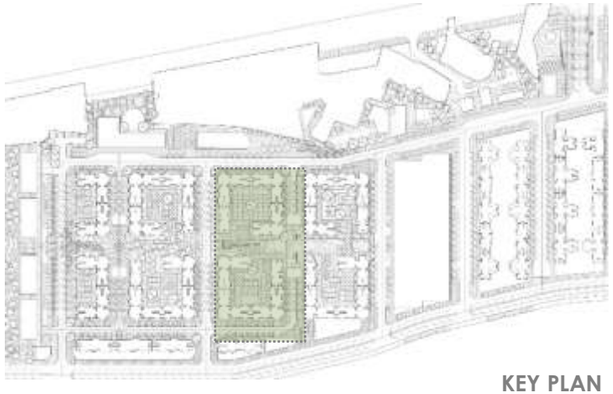
KUND

LARGE SPECIMEN TREE MARKING THE ENTRANCE TO THE COURT

A GROVE OF TREES WITHIN TALL HEDGE BOX

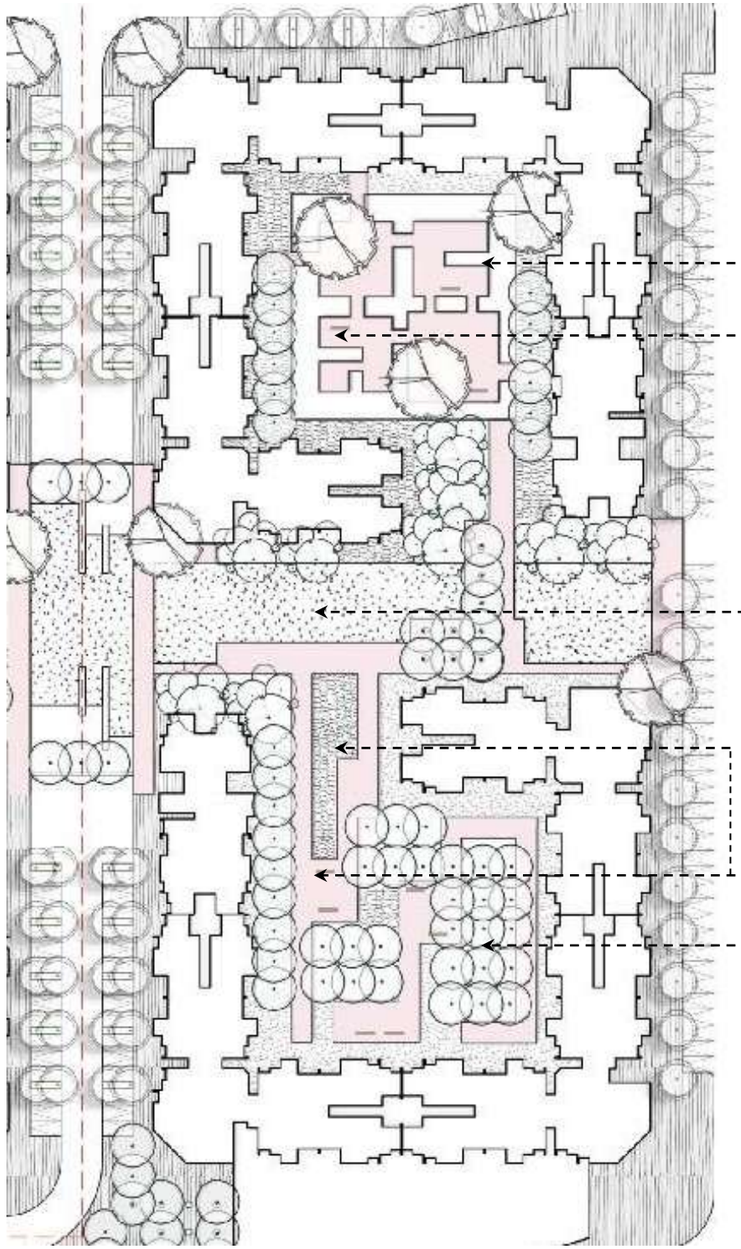
PLAZA NESTLED WITHIN THE GRASSES AND TALL TREES

WOODLAND COURTS

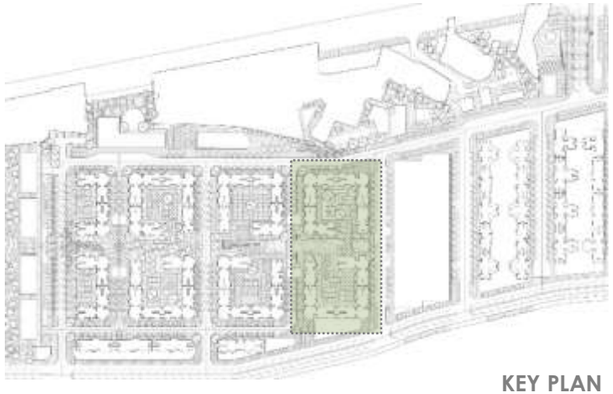


KEY PLAN

0 5 10 20

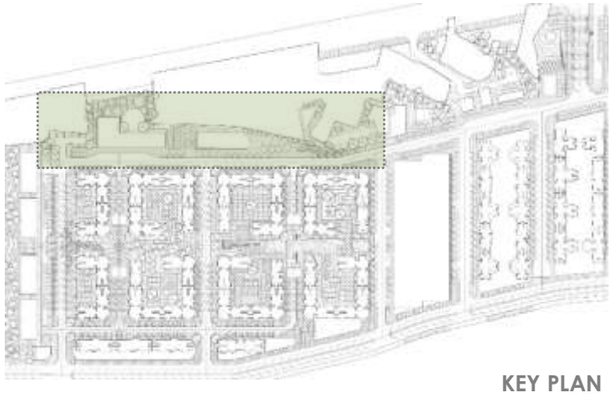


MAZE COURTS

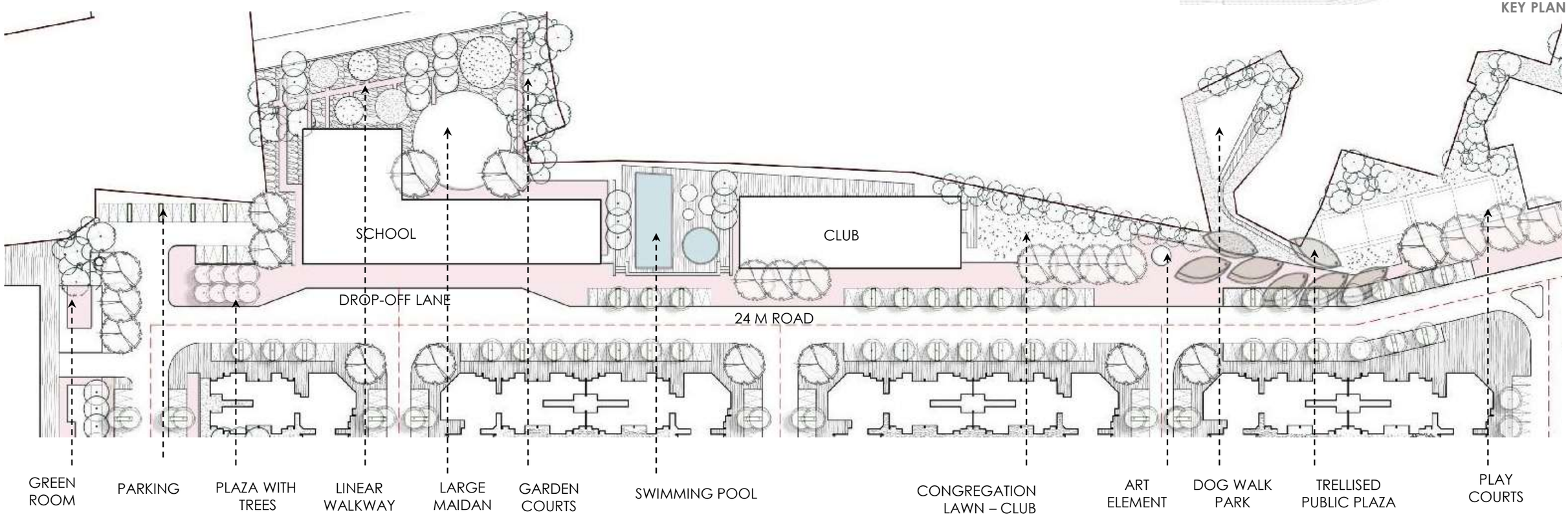


KEY PLAN

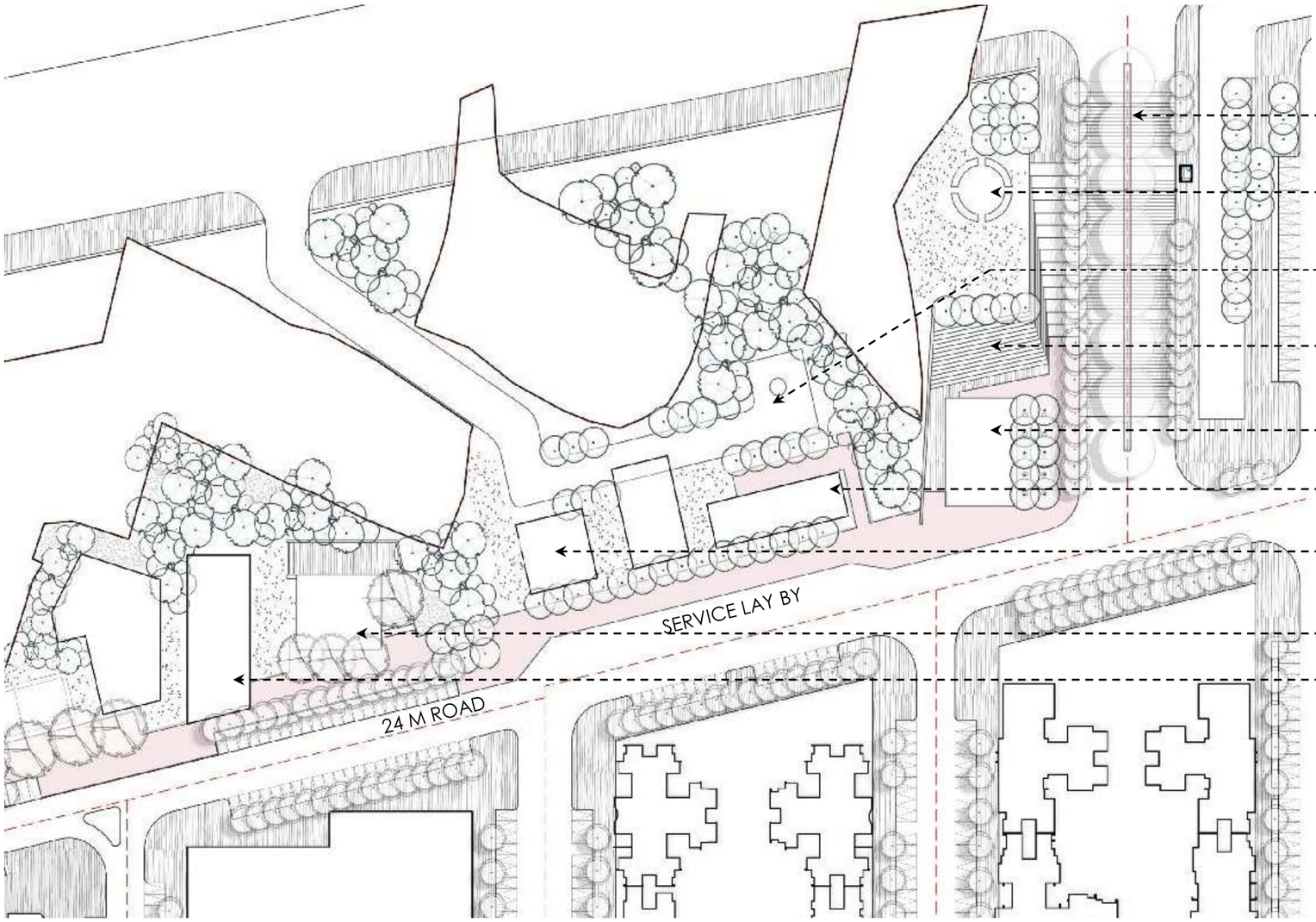
PART IV: THE AMENITY PARCEL -SCHOOL AND CLUB HOUSE

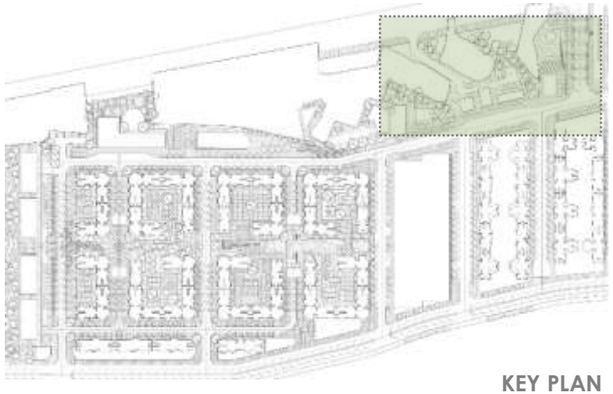


KEY PLAN



0 5 10 20



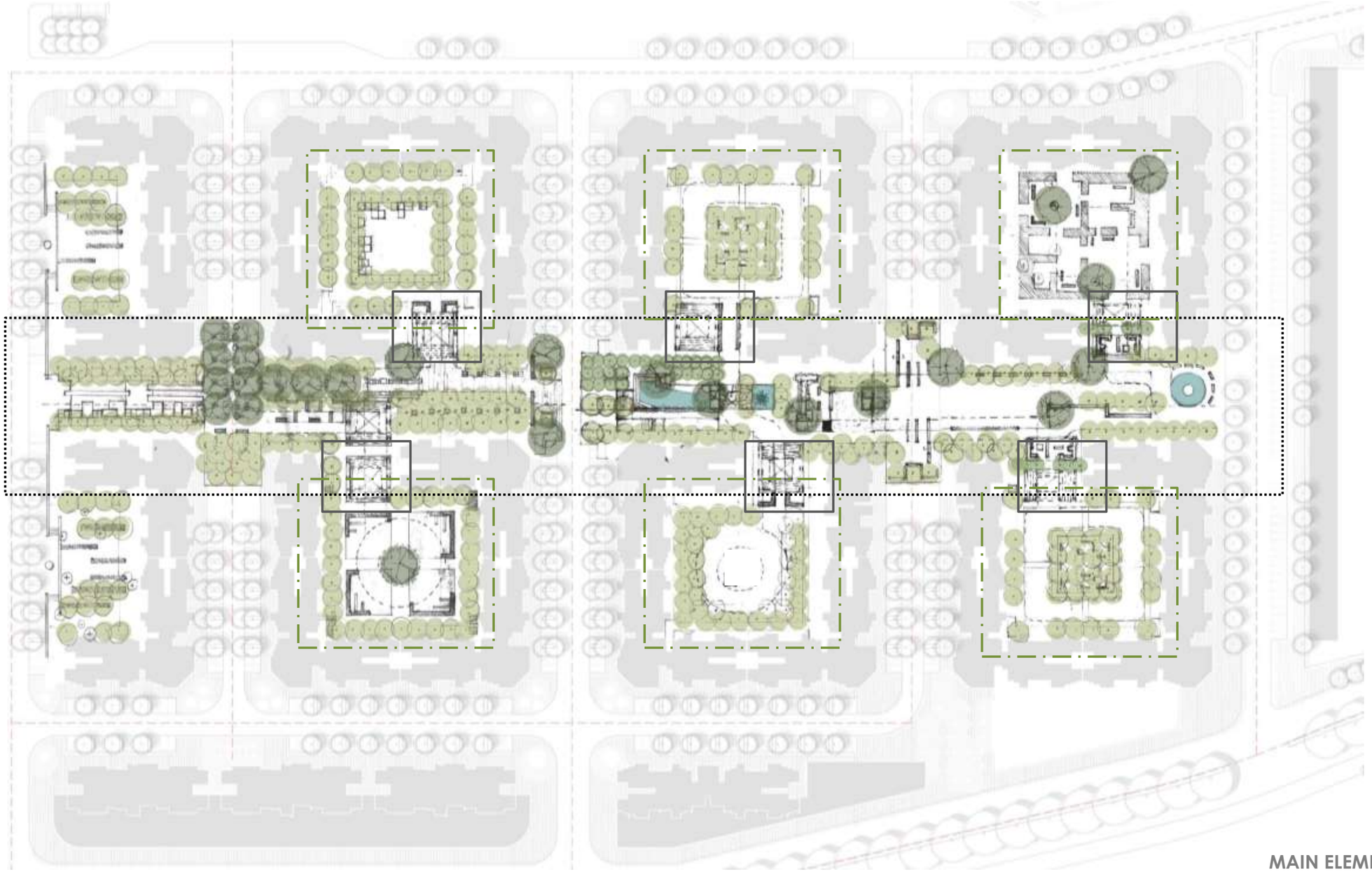


KEY PLAN

PART V: THE ENTRANCE AND CIVIC AMENITIES

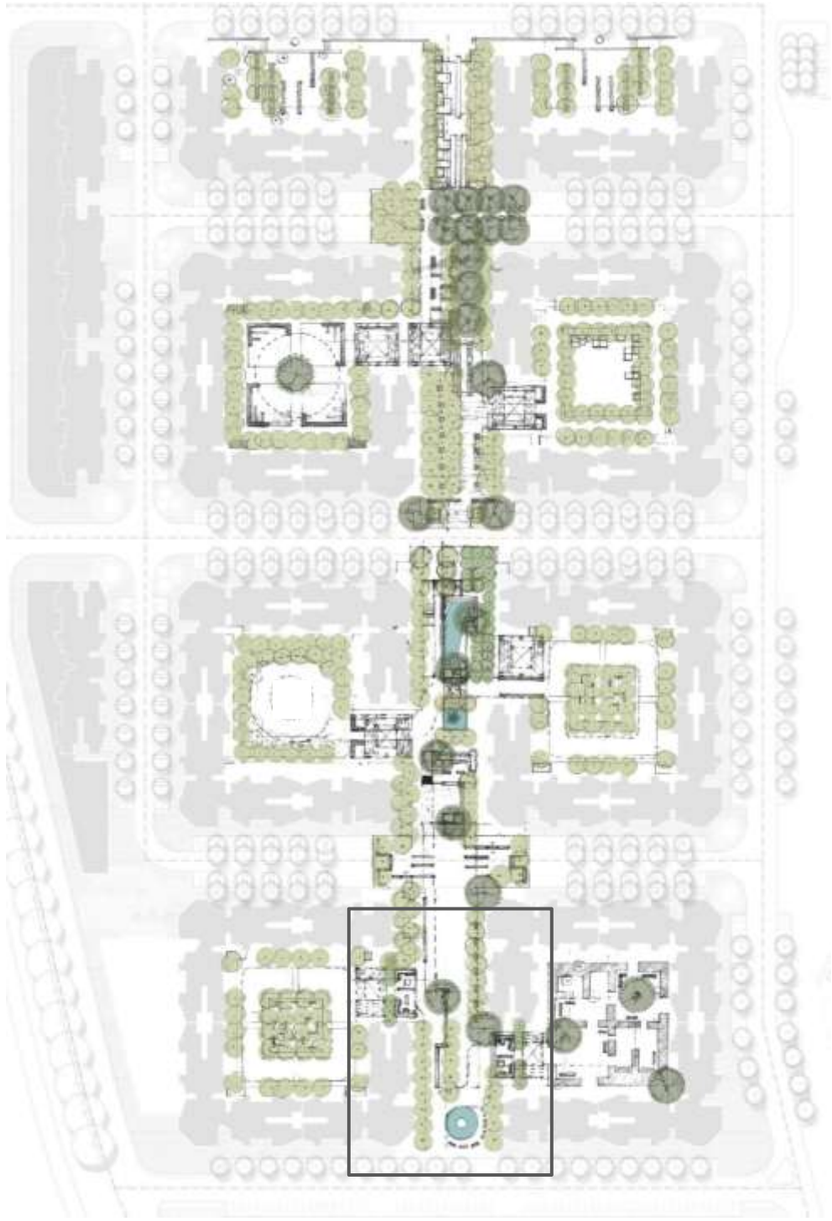
DESIGN PROGRESS: SETTING THE THEME

- MASTERPLAN

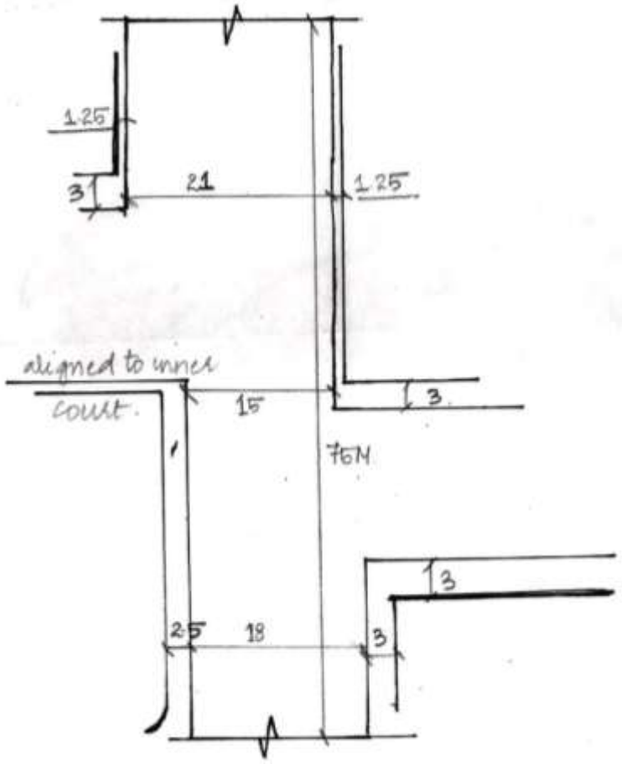


1. THE CENTRAL SPINE
2. TRANSITION POINTS
3. INNER COURTYARDS

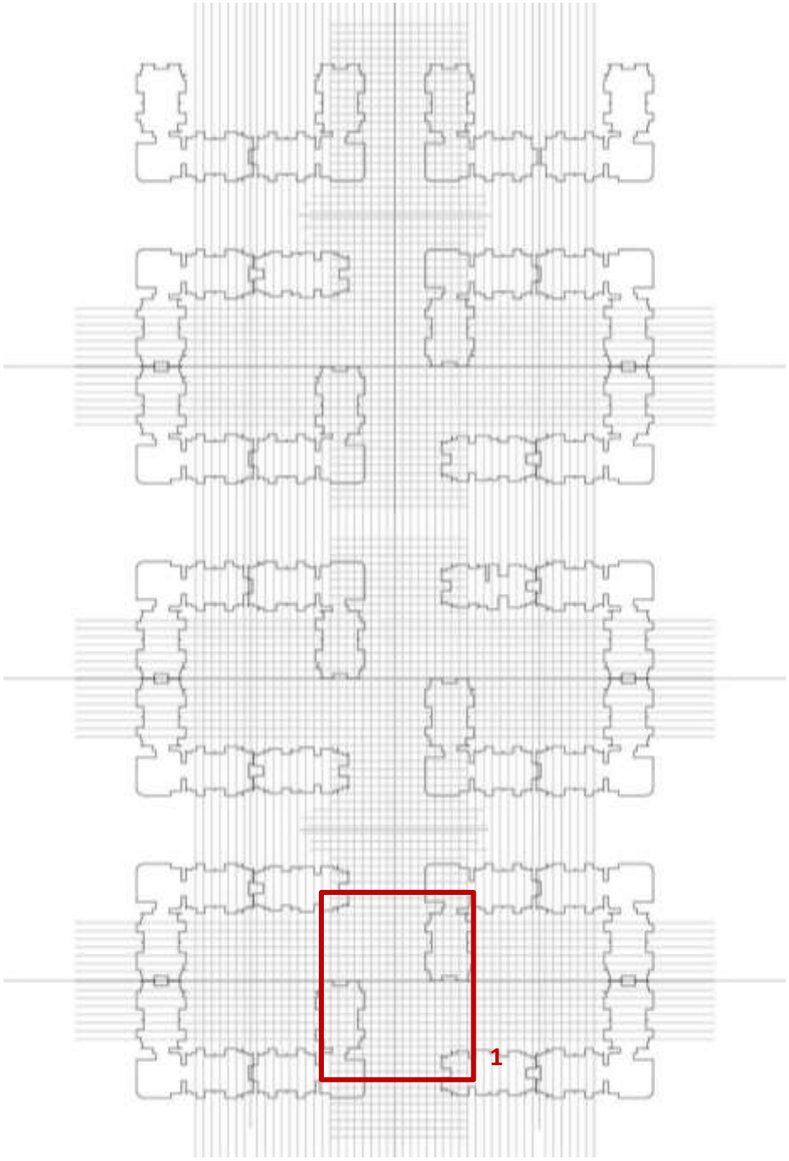
MAIN ELEMENTS – FORMING THE FOCUS OF DESIGN



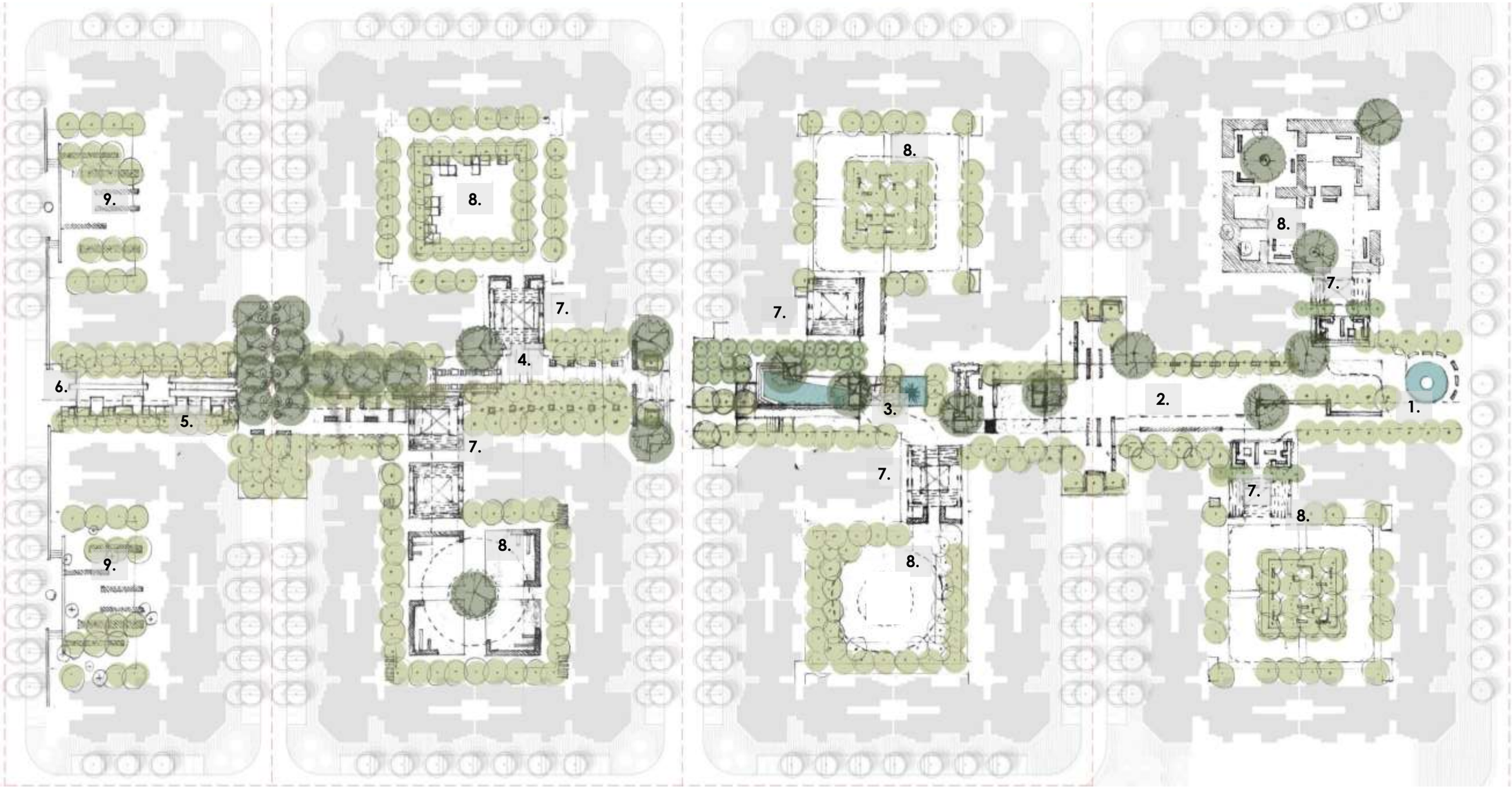
The grid followed is 3M x 3M. The factor 3 is taken as the offsets on all inner courts, the lengths of all sections on the central spine are equally divisible by 3.



Condition at 1



ESTABLISHING THE BASIC GRID – ONE DETAILED MODULE



LEGEND

1. Entrance fountain
2. Children's' play area
3. The Kund plaza
4. Woodland plaza
5. Reflexology path and lawn
6. Trellised entrance to the central spine (not complete)
7. Transition points – Trellis structures
8. Inner courtyards
9. Sunken courts

THE CENTRAL SPINE



The various activities going on at the entrance fountain and the children's play area (surrounded by decks with seating) intrigues the users and increases the sense of awareness and place.



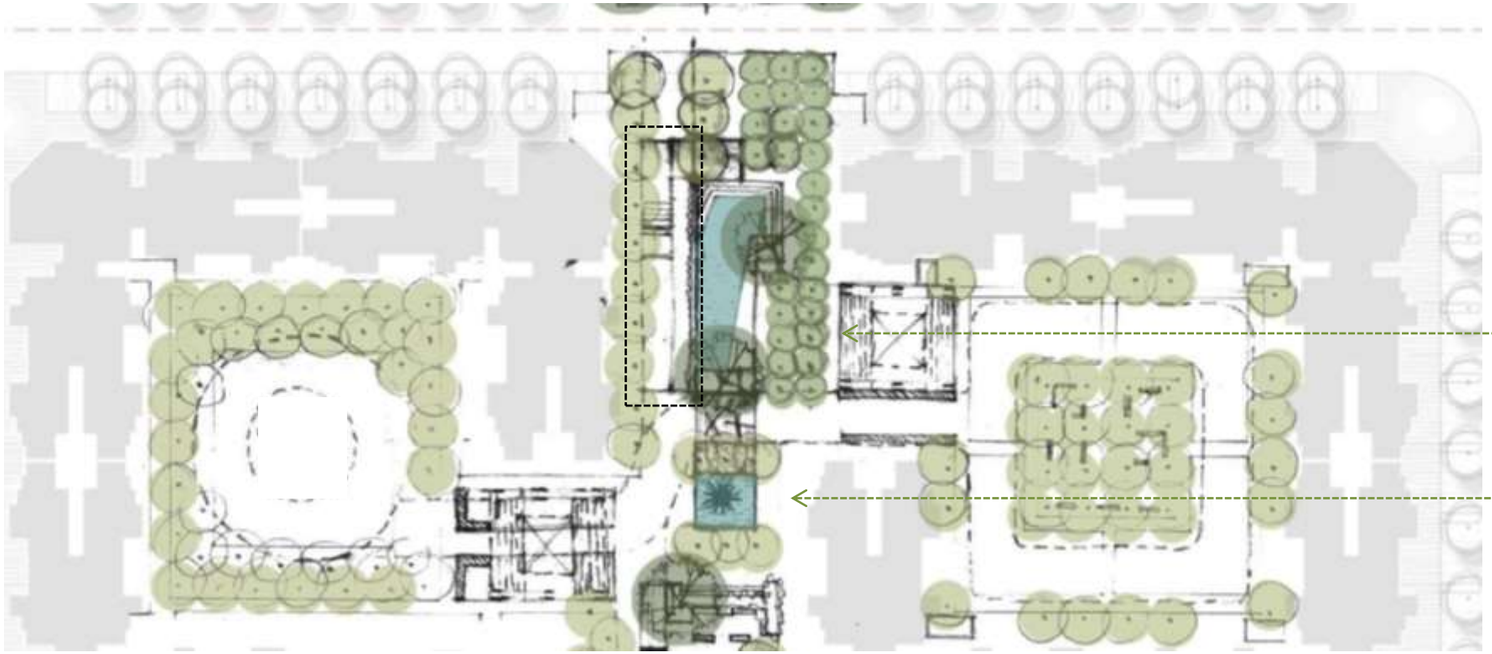


DECKS WITH SEATING





Section through the Kund plaza



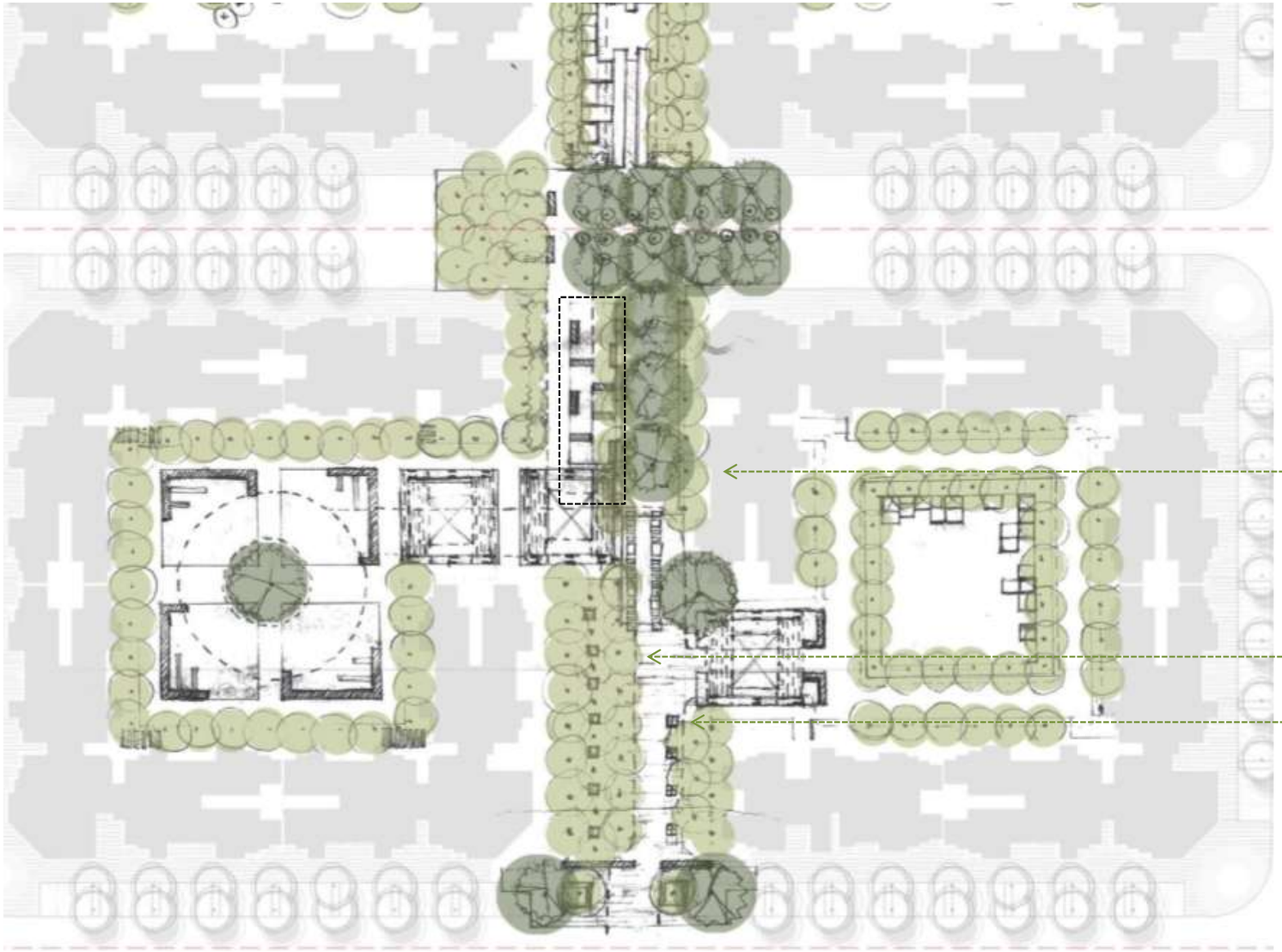
The fresh water in the Kund and the walkway through flowering plants heightens the sense of smell and allows the user to engage within nature.





STEPPED PLAZA





The plaza has various dense trees allowing birds to nestle, on the right to this are street musical tiles for people to explore and further ahead the walkway is flanked by water walls on two sides. The space arrangement will allow the plaza to convert into a weekend market/flea bazaar.





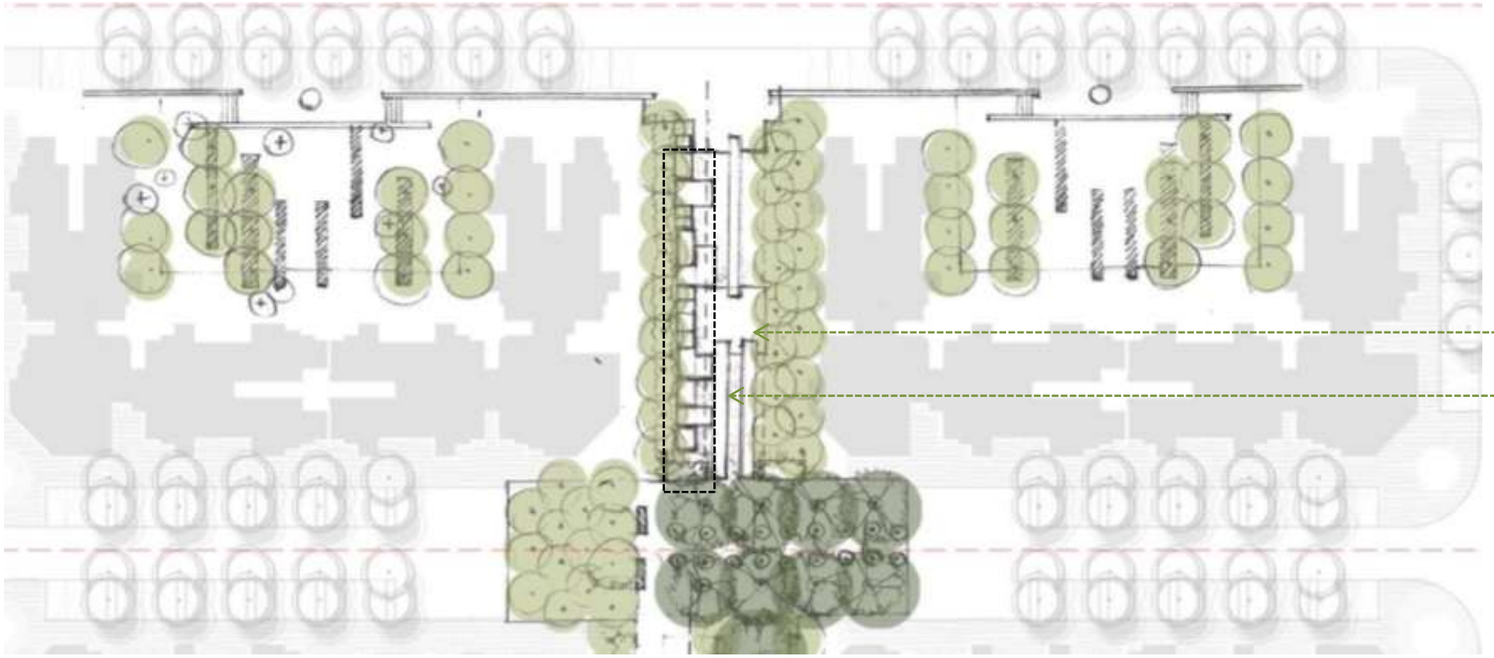
HEDGE AREA







Section through the Weekend market/flea bazaar and the walkway



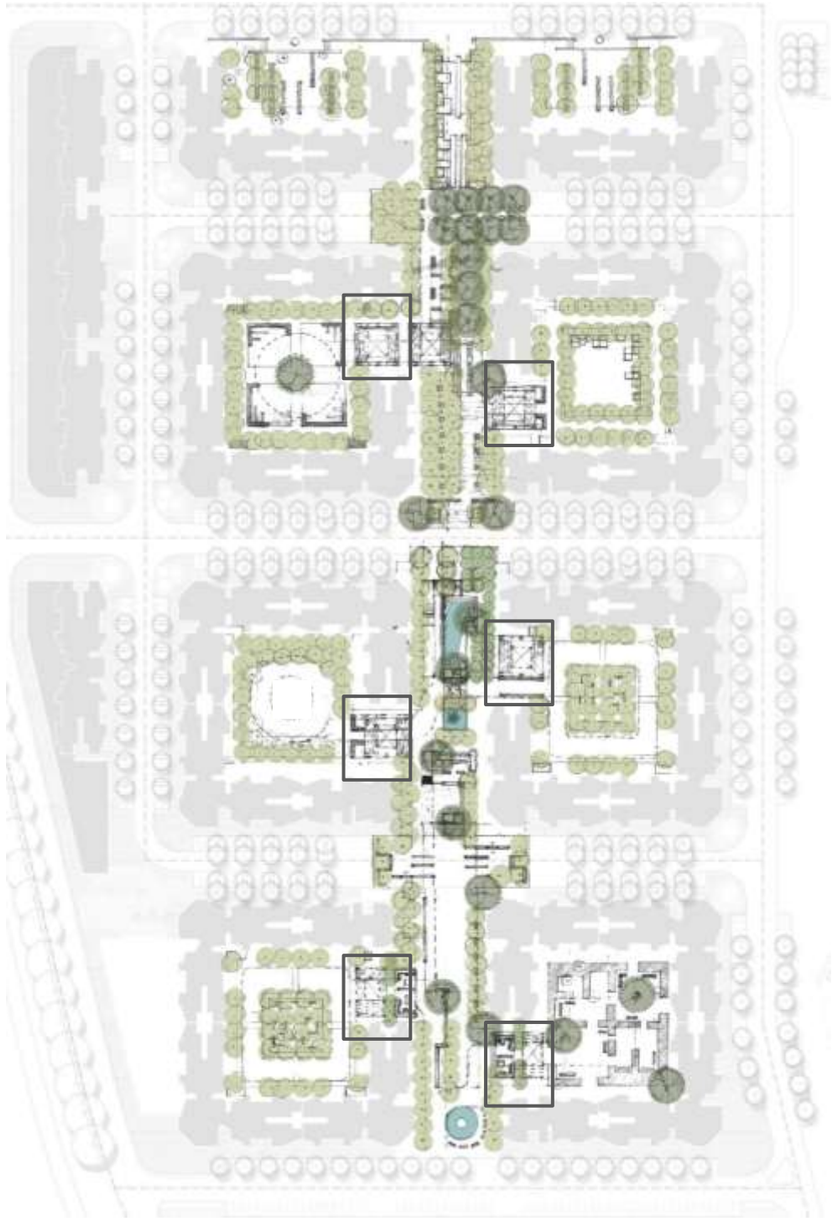
The sense of touch can be explored by the reflexology path and the lawn grass that also have good consequences on one's health.

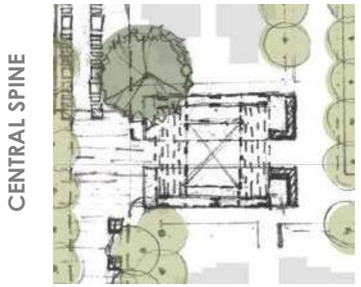




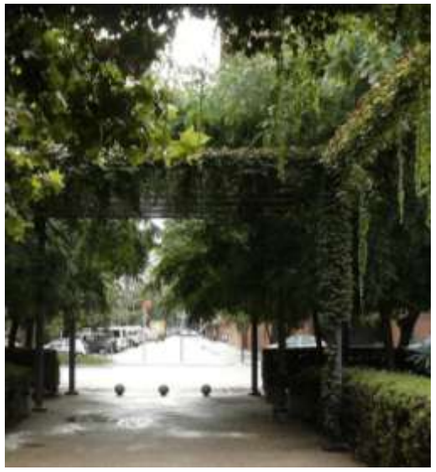
REFLEXOLOGY PATH

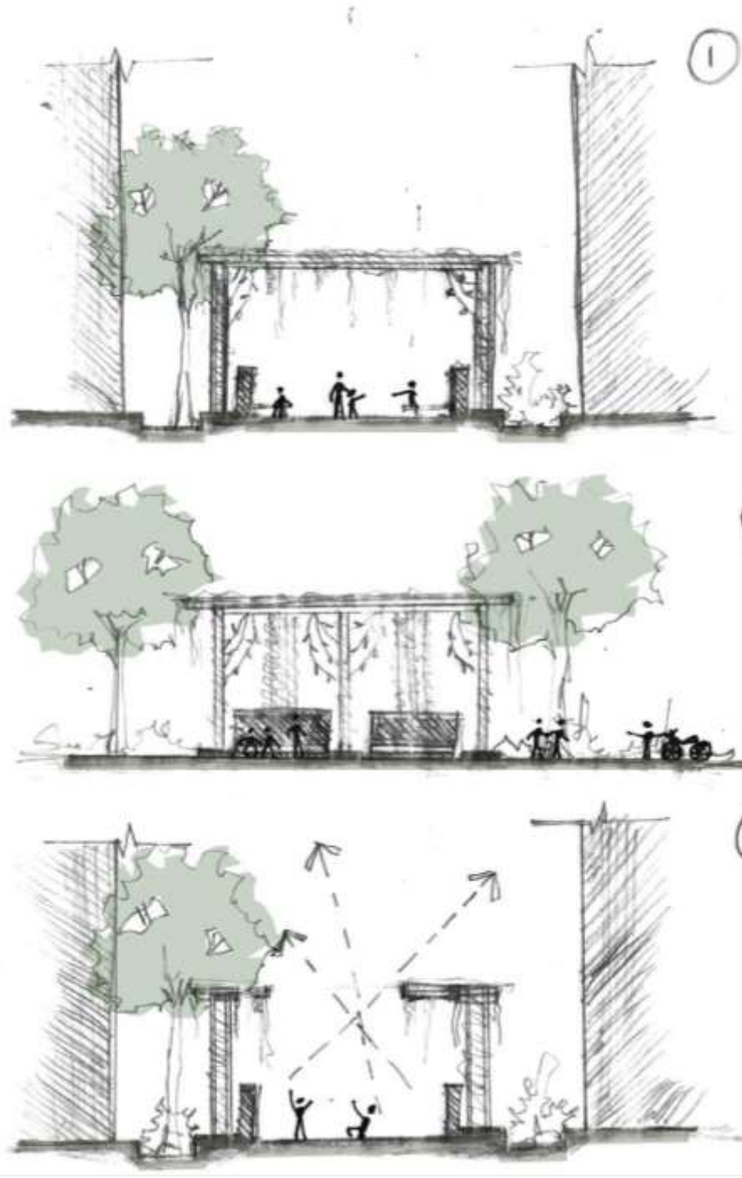






The trellis structures are designed to mark the entrances to the courts and provide a certain type of enclosure at the nodal points between the central green spine/path and the cluster courtyards.





Section showing the view from the spine

Section showing the inside

Section showing the roof puncture

TRANSITION POINTS – TRELLIS STRUCTURES

DETAILING THE COURTYARDS

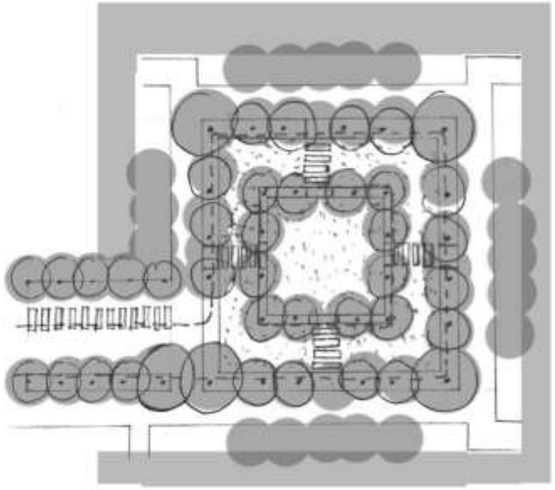
- SPACE FORMATION

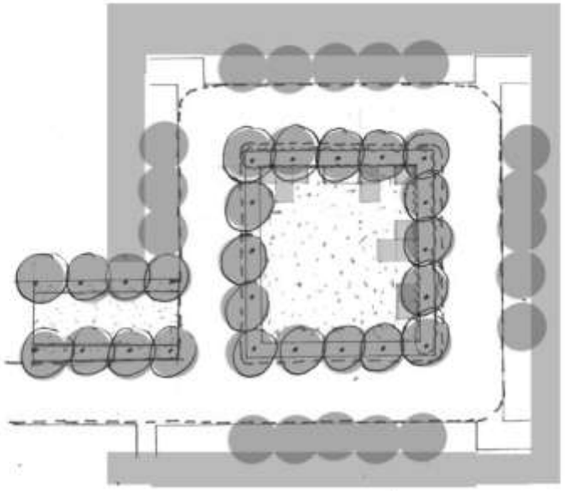
1. Concentric squares divided in hardscape and softscape. The peripheral trees provide shade.

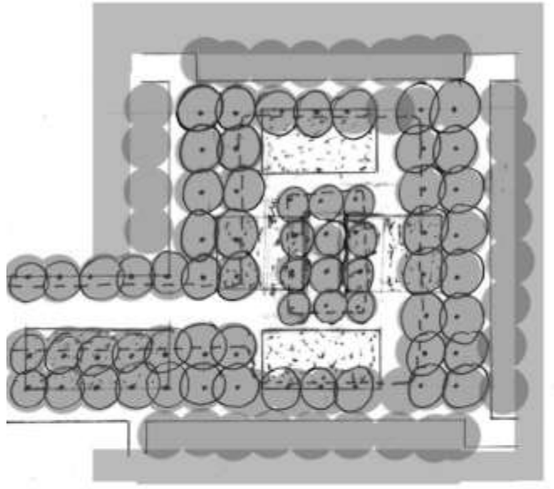
2. Central lawn area with seating surrounded by tree cover.

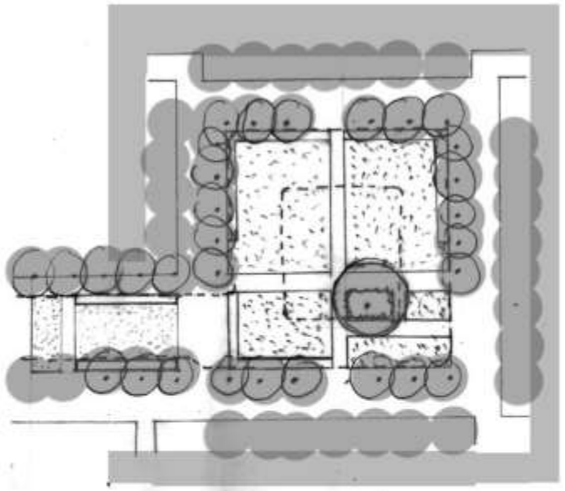
3. Dense tree plaza with a smaller central square grid.

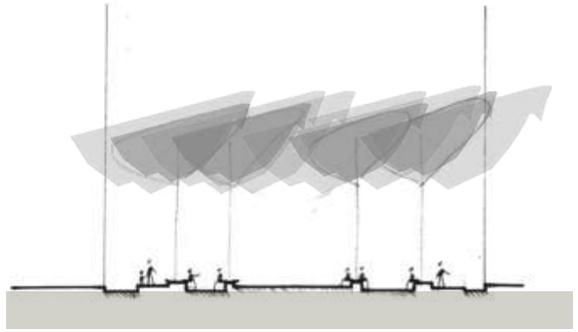
4. Central open space with various pockets for congregation/seating with a wide shaded plaza on the periphery.

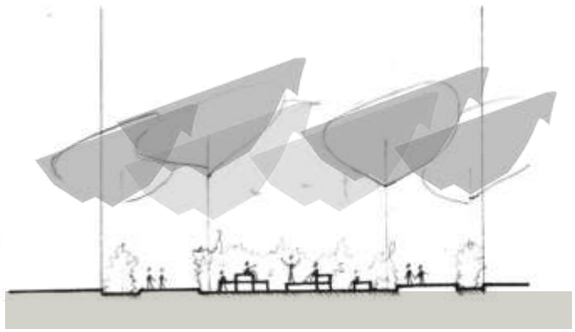


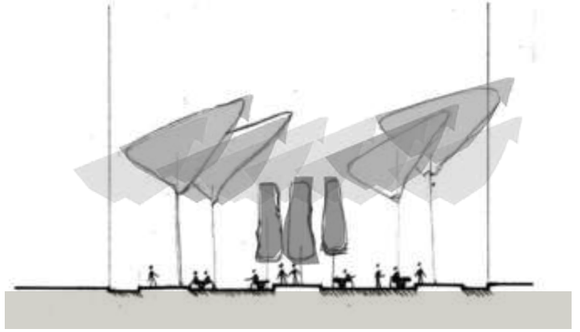


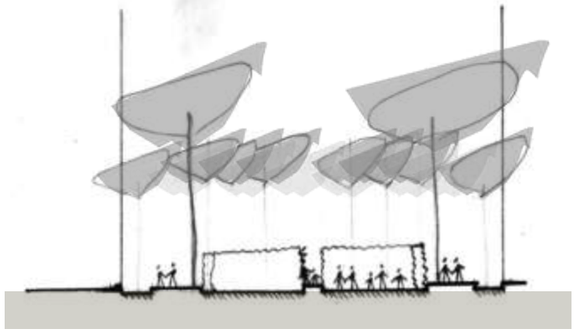












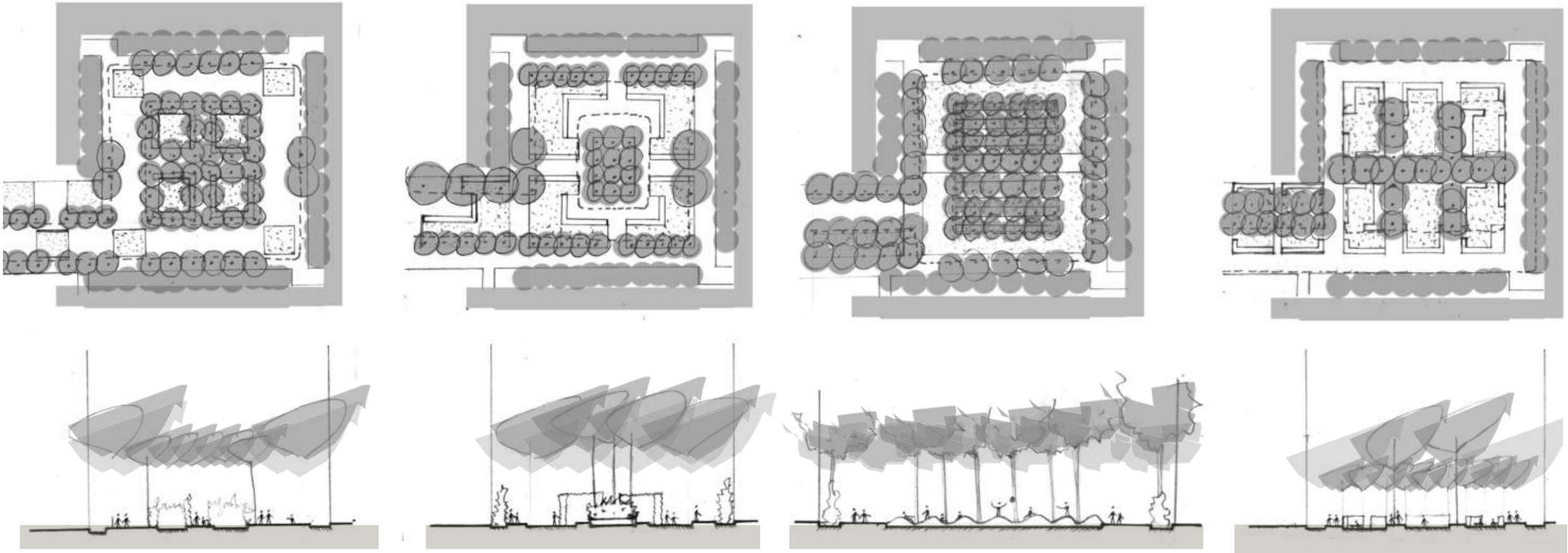
STAGE 1: SKETCHES OF VARIOUS OPTIONS – Overall space quality and geometry

5. A courtyard plaza with a very dense central area with intimate seating spaces.

6. A different walking experience with the idea of central enclosed plaza with tall hedges.

7. A dense tree cover over the entire courtyard with the central area consisting of linear mounds that has the potential of multiple functions – play, sit, sleep etc.

8. The courtyard is divided into various smaller lawns with different lengths of hedges on the periphery.



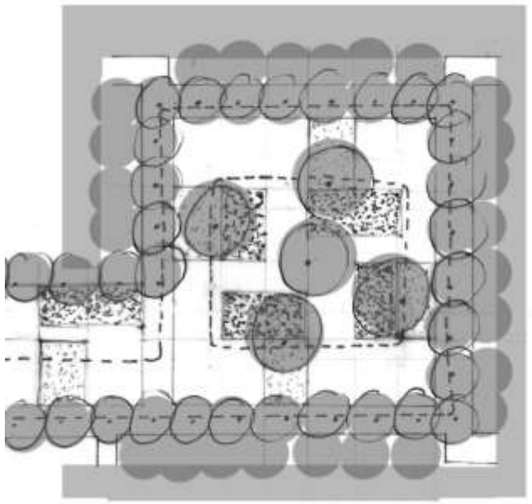
STAGE 1: SKETCHES OF VARIOUS OPTIONS – Overall space quality and geometry

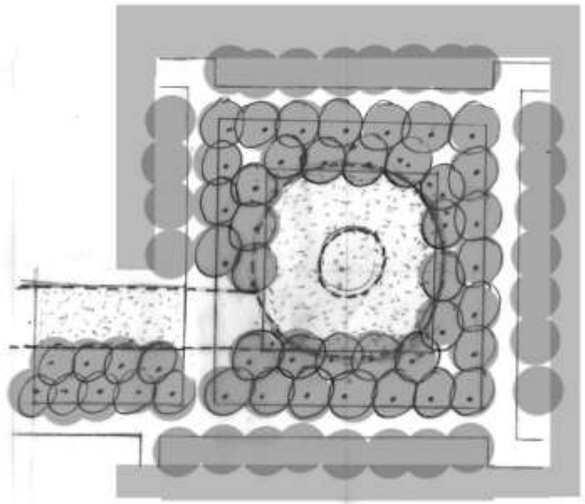
9. The flower court consists of four big areas covered with colorful flowering plants banked by huge trees and grass areas. Tree and shrubs provide shade to the periphery.

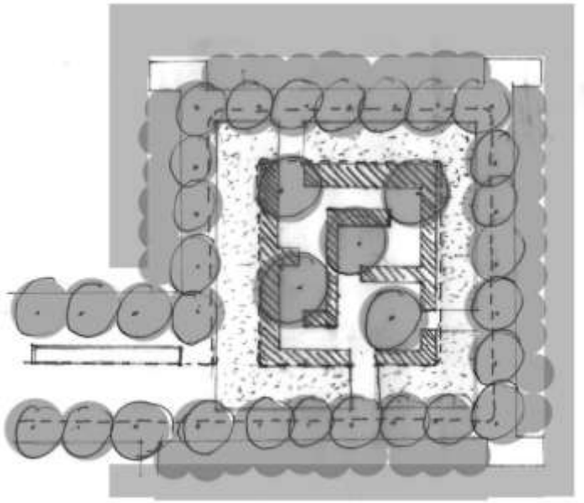
10. The central lawn area is surrounded by a dense pattern of trees providing a good shade to the space.

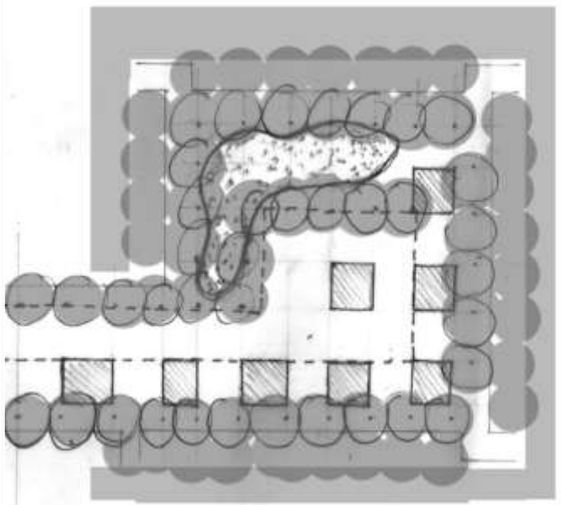
11. Maze court with entries at 3 points surrounded by lawn areas on all sides. Trees in between the walkway give the feeling of enclosure.

12. The courtyard plaza comprises of multiple square grids of hedges, the focus being on the lawn mound covered with trees on all sides.









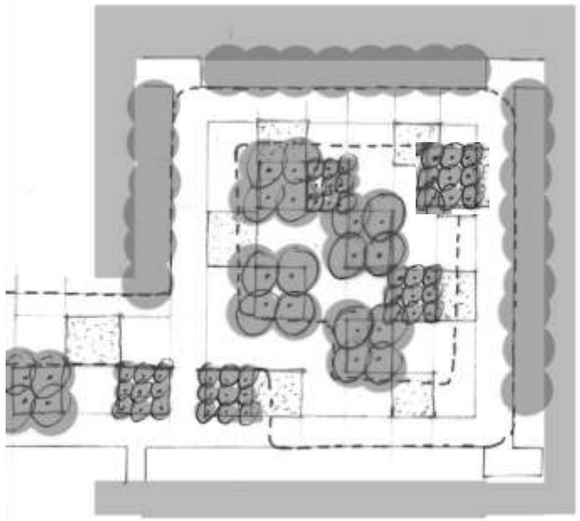
STAGE 1: SKETCHES OF VARIOUS OPTIONS – Overall space quality and geometry

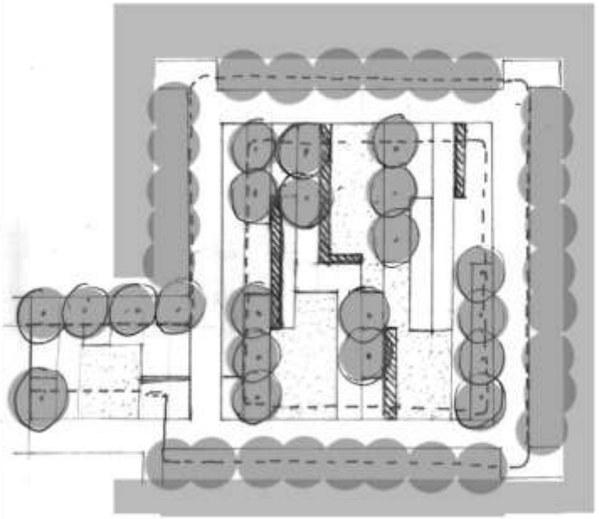
13. The entire area is divided into equal parts with each square consisting of either trees, shrubs or lawn grass. The plaza is very scarcely shaded and allows for maximum light.

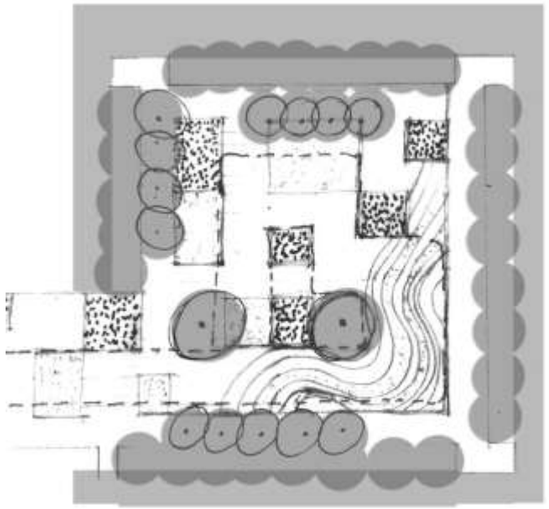
14. Thin strips of hardscape give a sense of linearity to the plaza. These strips are then divided into several variations of tree shrubs, hedges and grass.

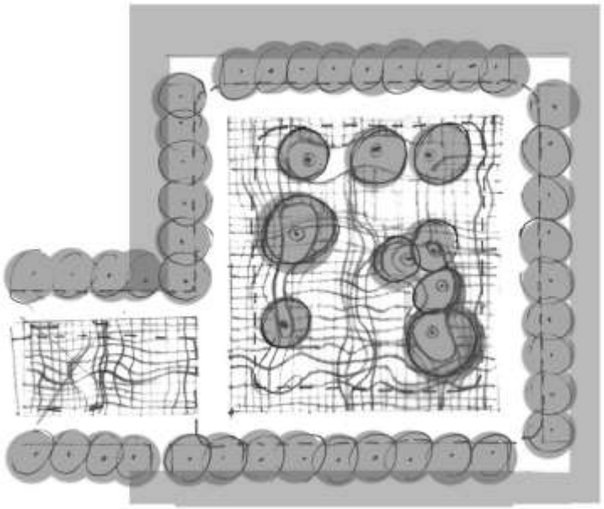
15. Option 12 is further explored by exploring the possibility of composing an organic form within the grid geometry. It is hereby done using a curve pattern in the paving.

16. The pavement incorporates curve forms within the usual grid lines. Organic seating around the trees give a definition of a plaza space.

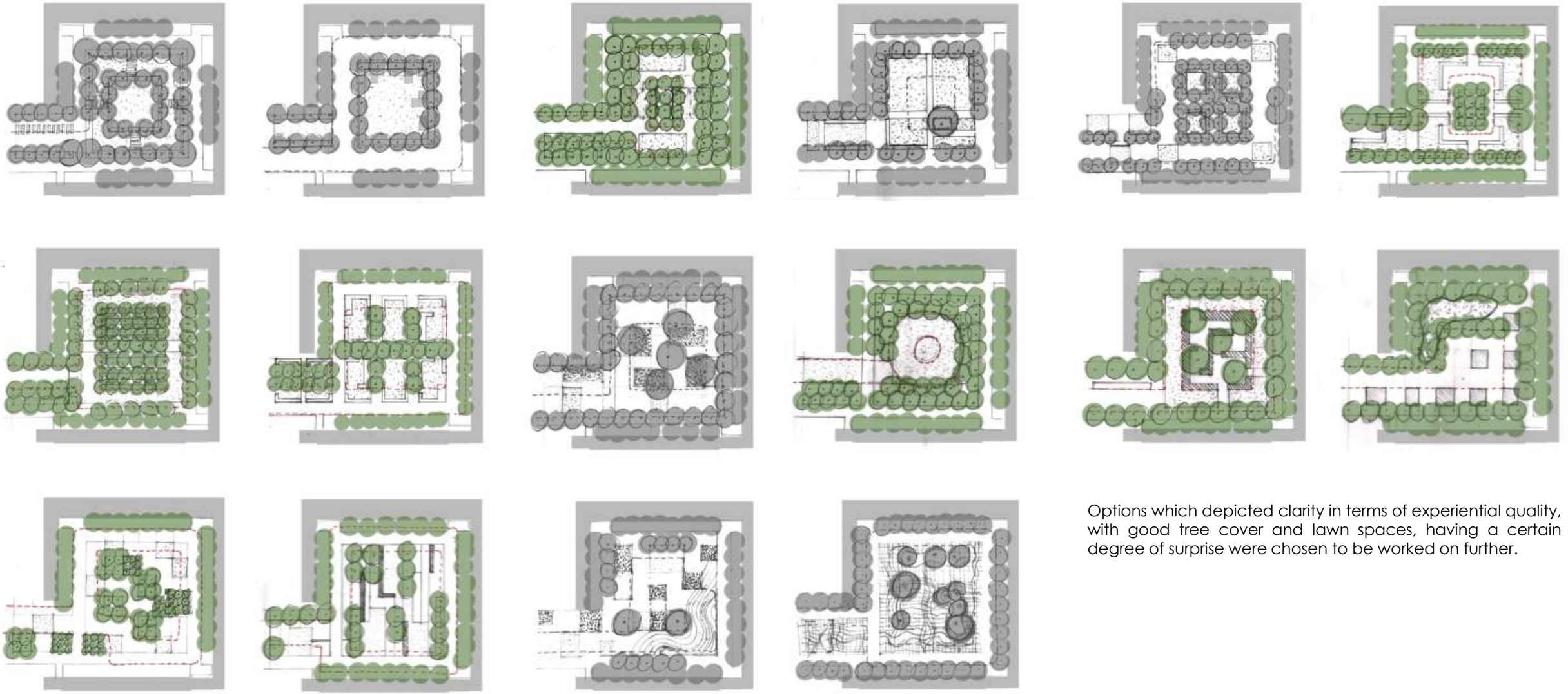






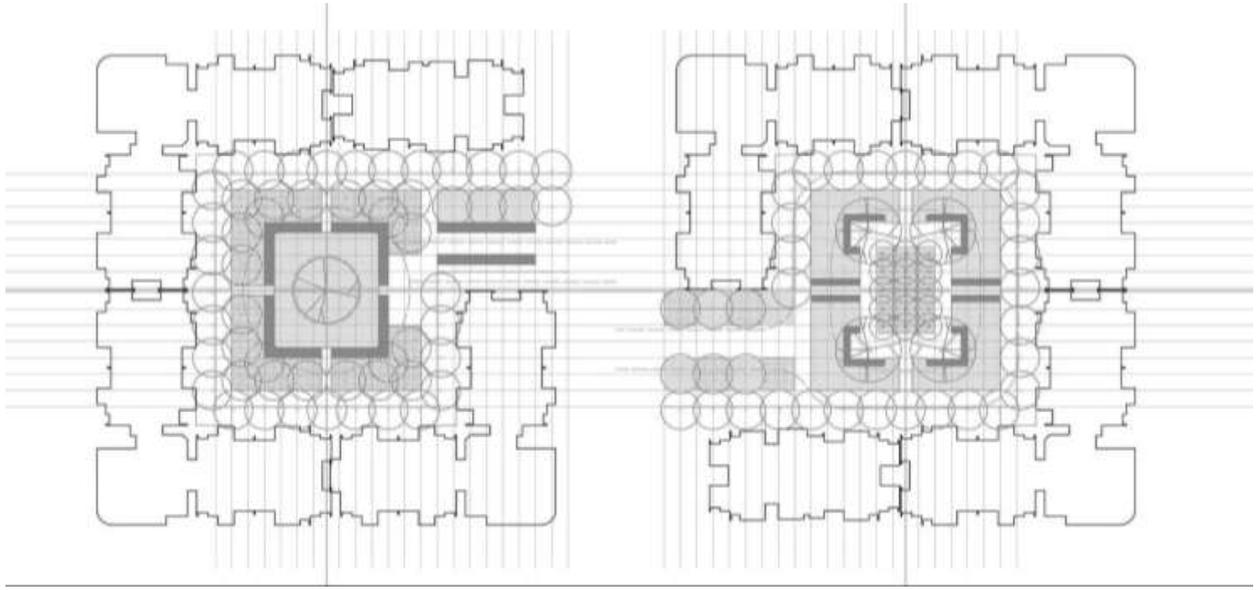


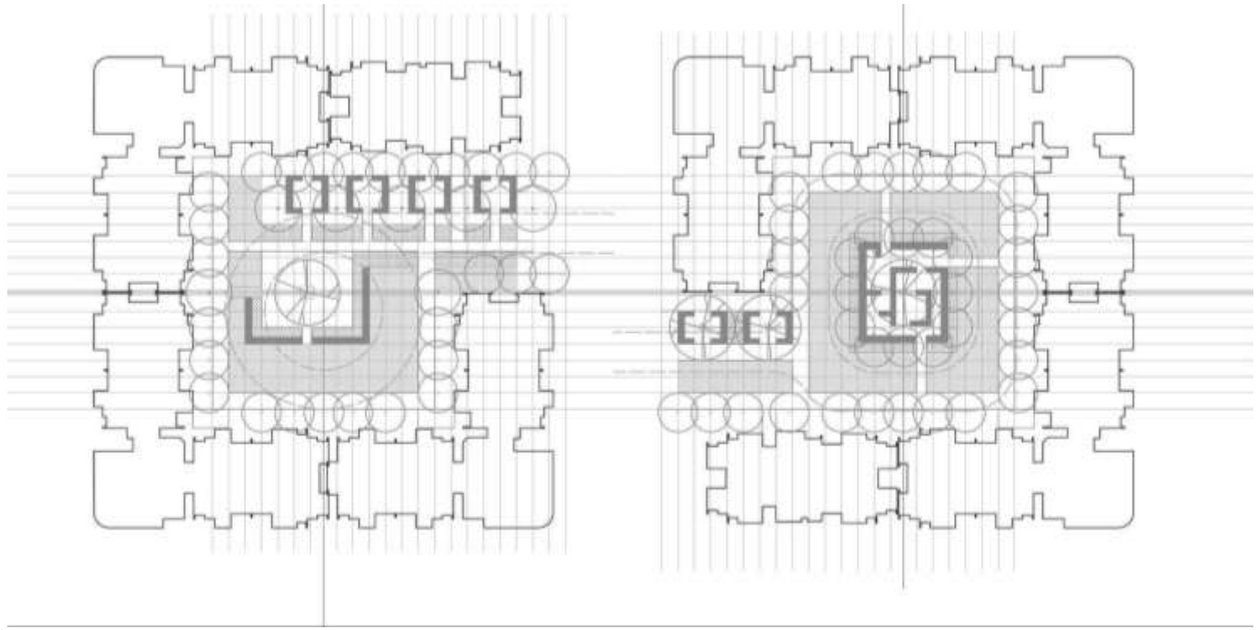
STAGE 1: SKETCHES OF VARIOUS OPTIONS – Overall space quality and geometry

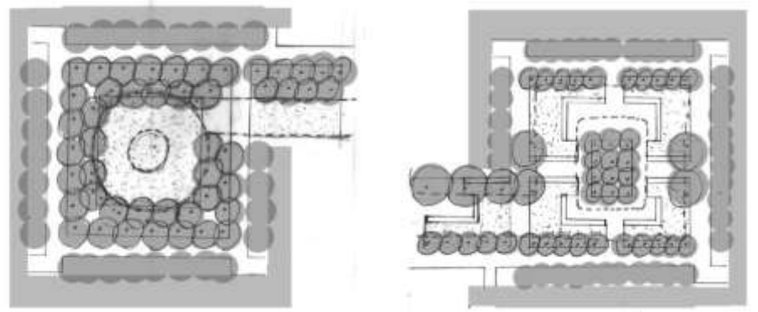


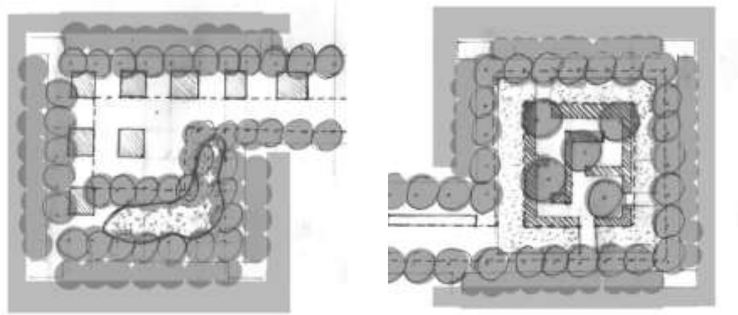
Options which depicted clarity in terms of experiential quality, with good tree cover and lawn spaces, having a certain degree of surprise were chosen to be worked on further.

STAGE 1: COMPARISONS – Overall space quality and geometry

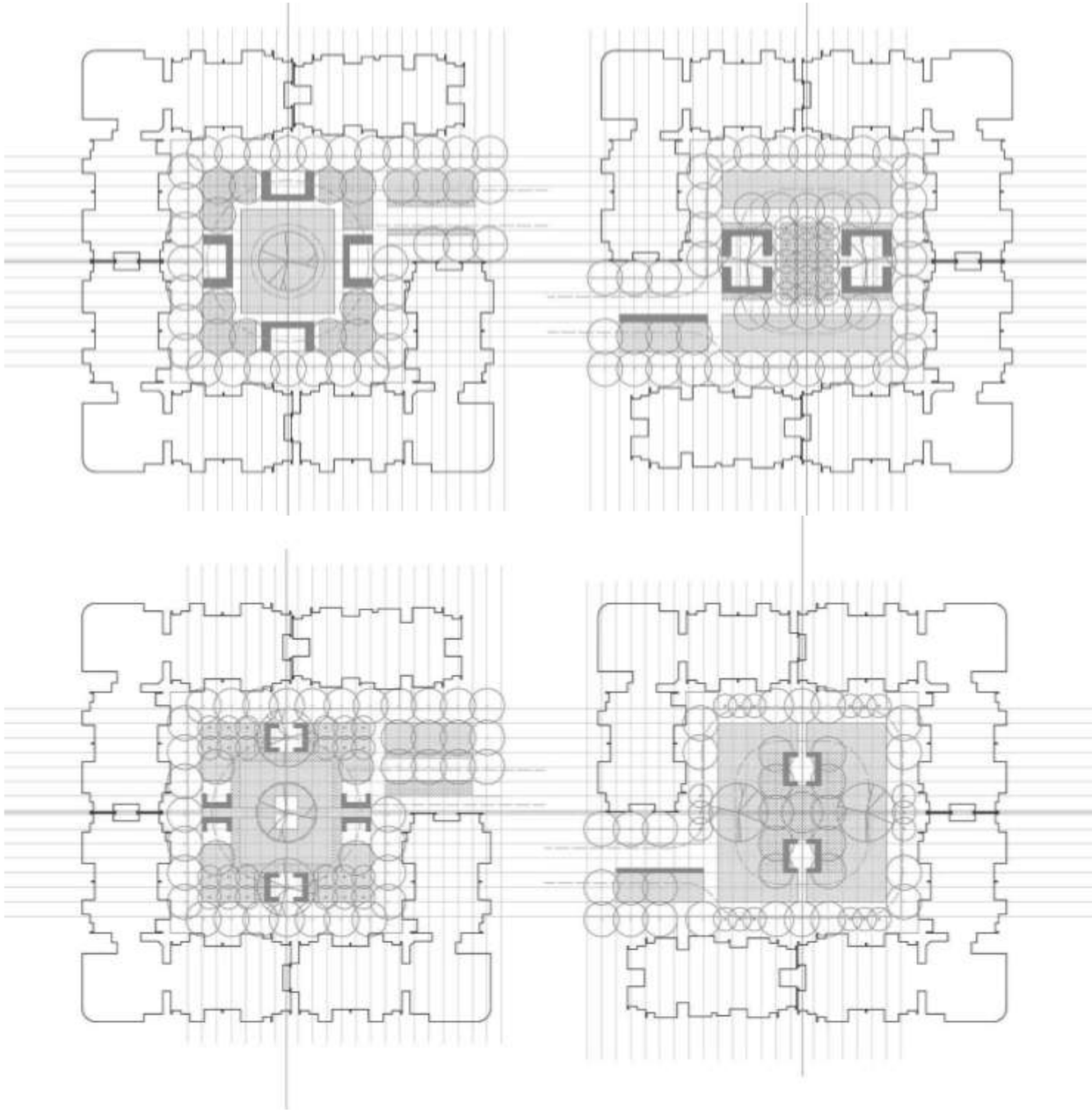


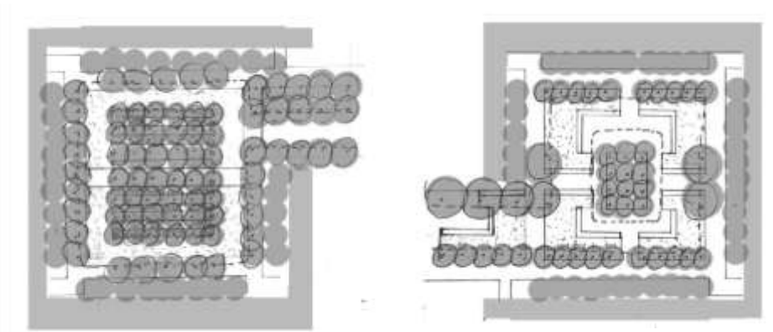


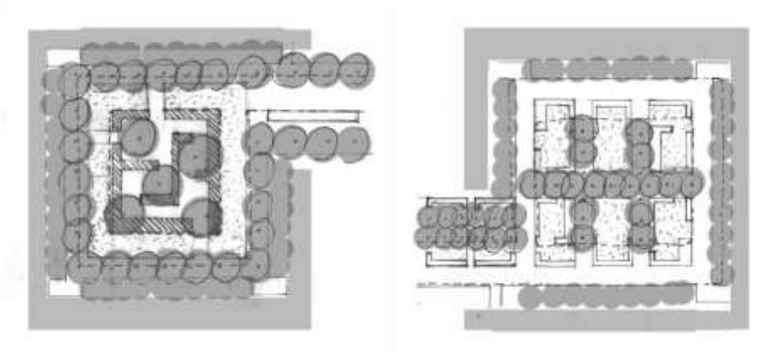




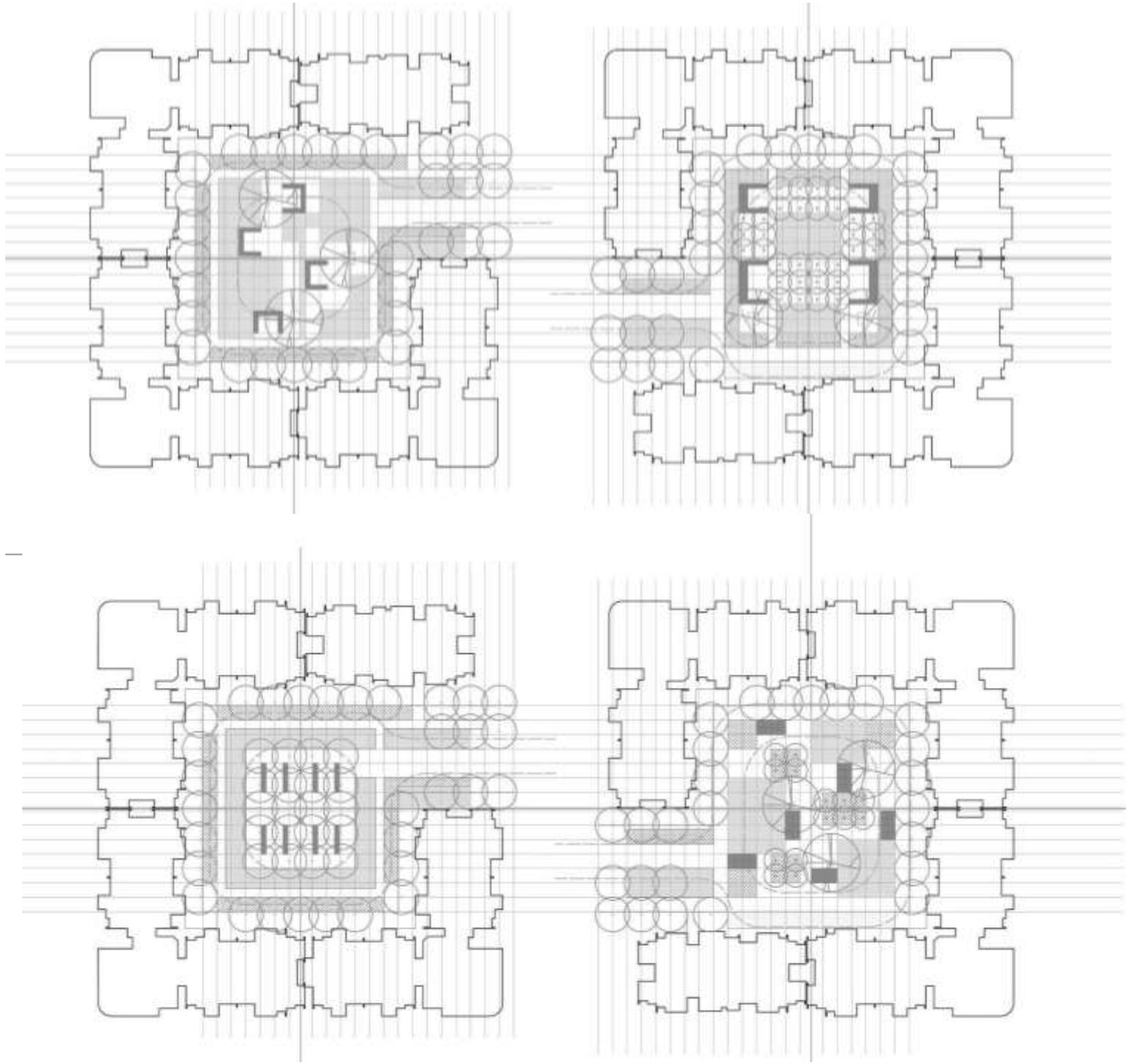
STAGE 2: OPTIONS WITH SPACE MEASUREMENTS – With the help of a 2.5M x 2.5M grid

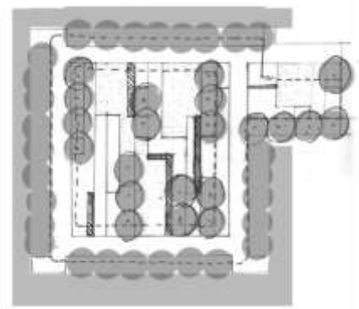


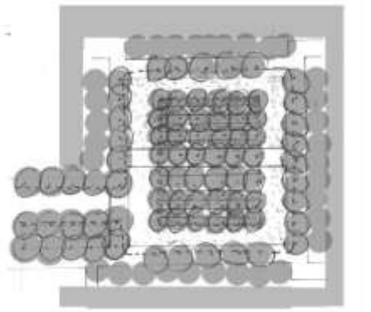


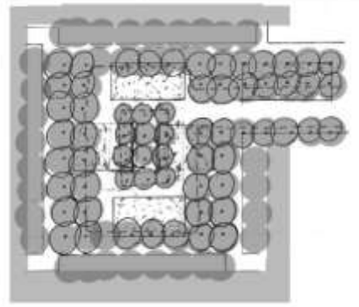


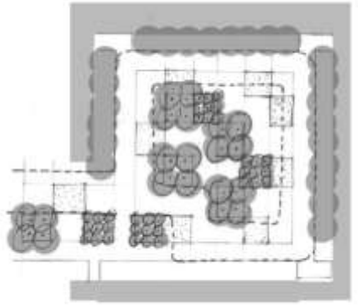
STAGE 2: OPTIONS WITH SPACE MEASUREMENTS – With the help of a 2.5M x 2.5M grid



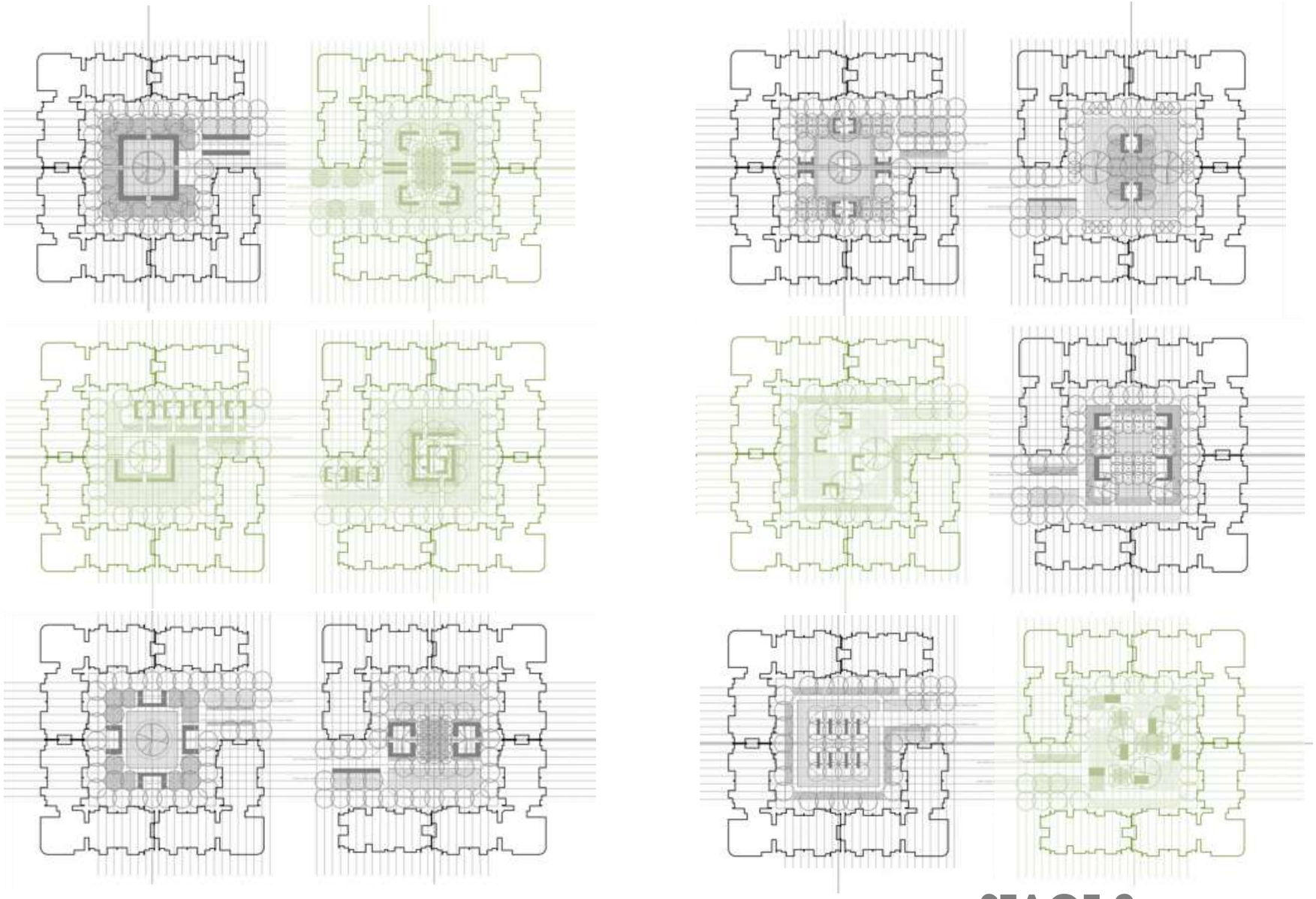








STAGE 2: OPTIONS WITH SPACE MEASUREMENTS – With the help of a 2.5M x 2.5M grid



ELEMENTS OF DESIGN:



Large trees



Smaller trees



Hedges



Shrubs

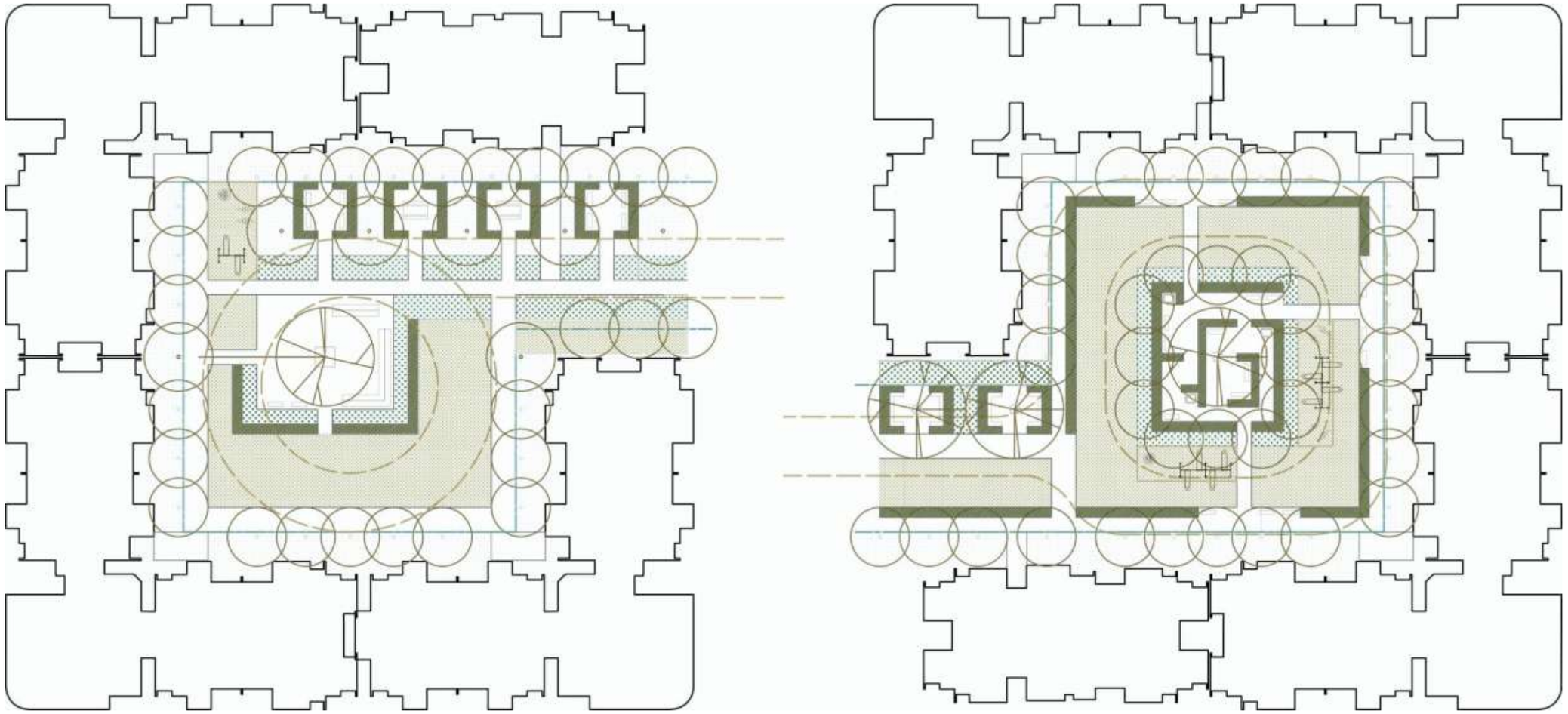


Grass

All of the stage two options are formed by combinations of all the above elements. Also all of the options are created to accommodate active and silent zones, different sizes of lawns for various functions.

The designs which suit the above criteria are finalized and detailed.

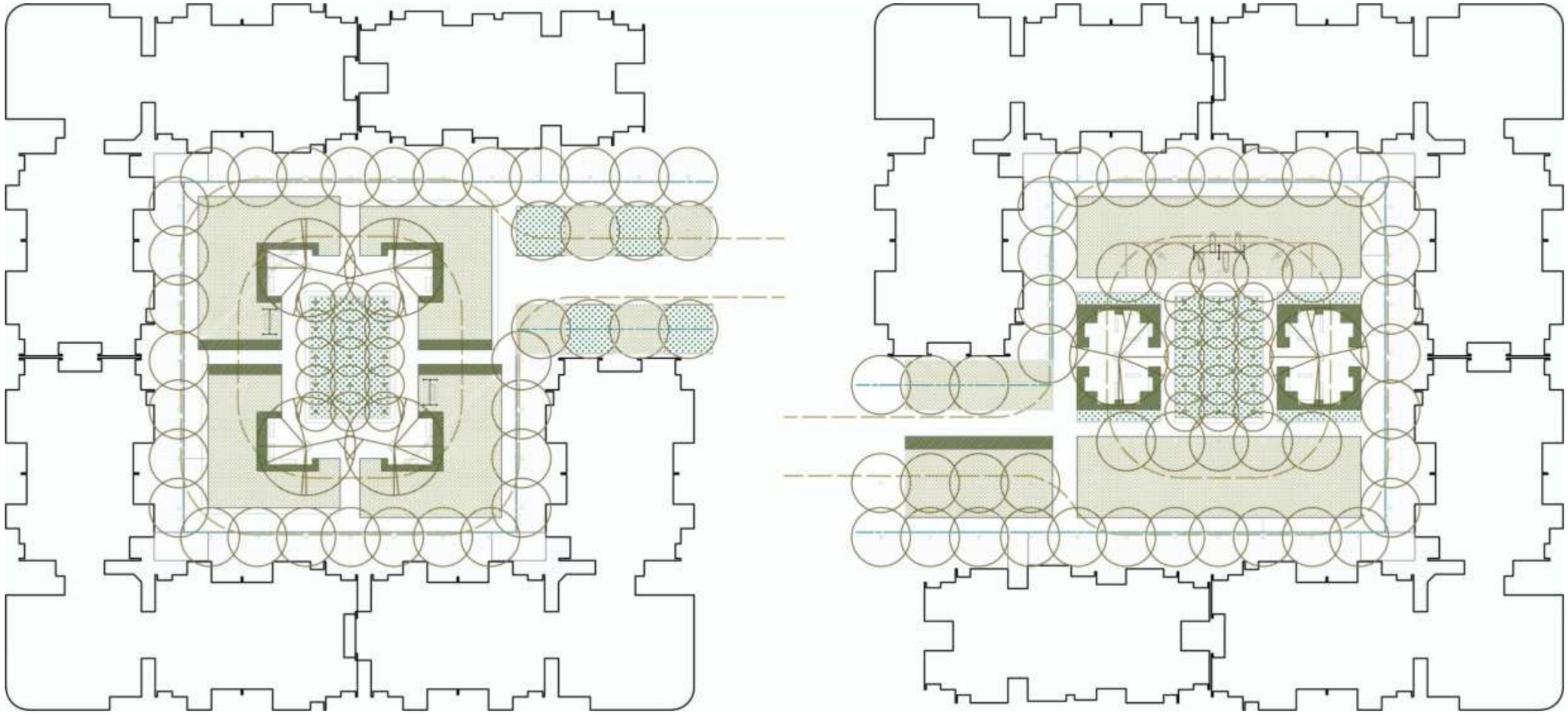
STAGE 2: OPTIONS WITH SPACE MEASUREMENTS – With the help of a 2.5M x 2.5M grid



Hedge Ideas:



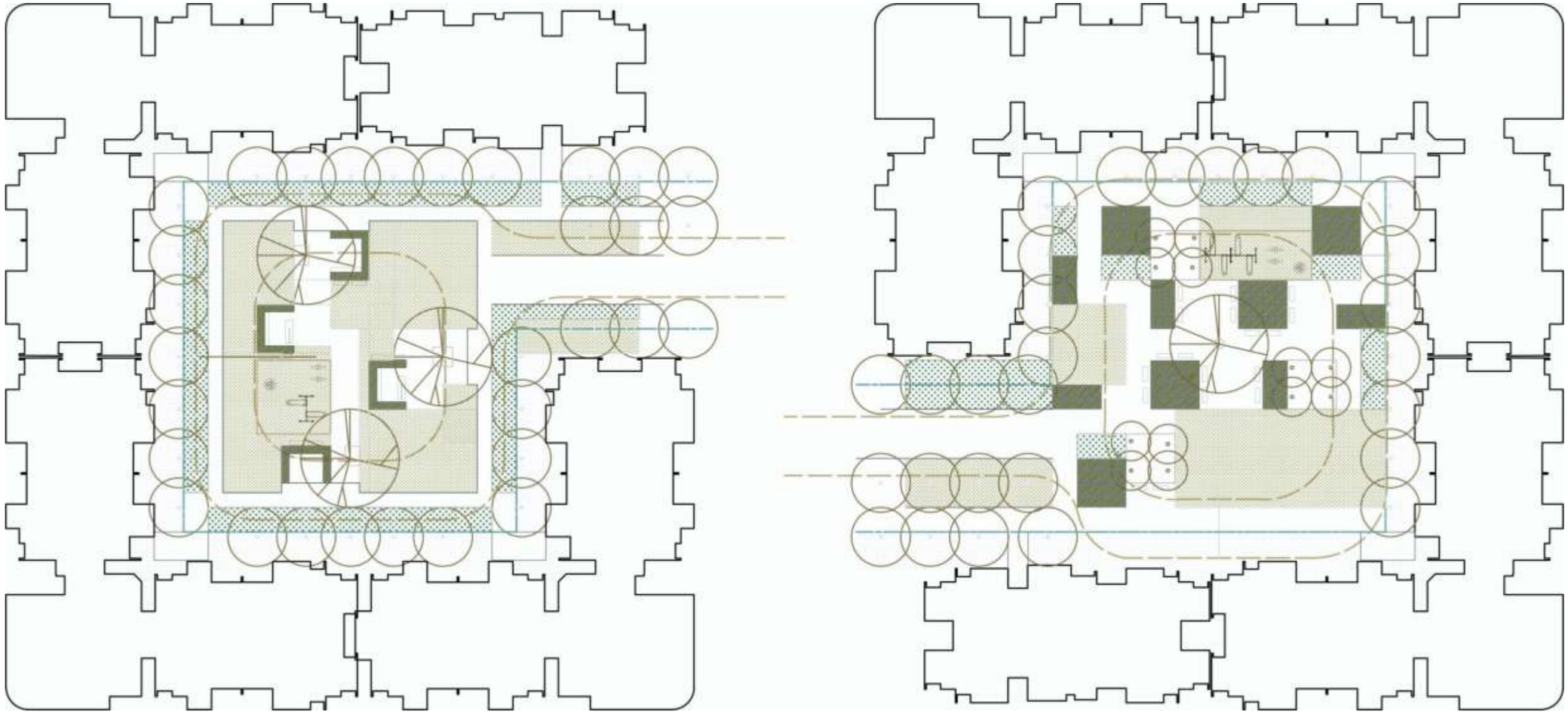
STAGE 3: FINAL OPTIONS WITH IMPROVEMENTS



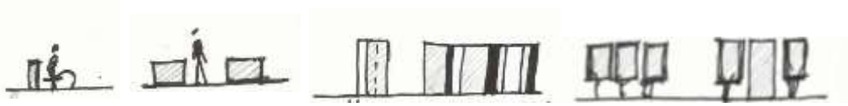
Hedge Ideas:



STAGE 3: FINAL OPTIONS WITH IMPROVEMENTS



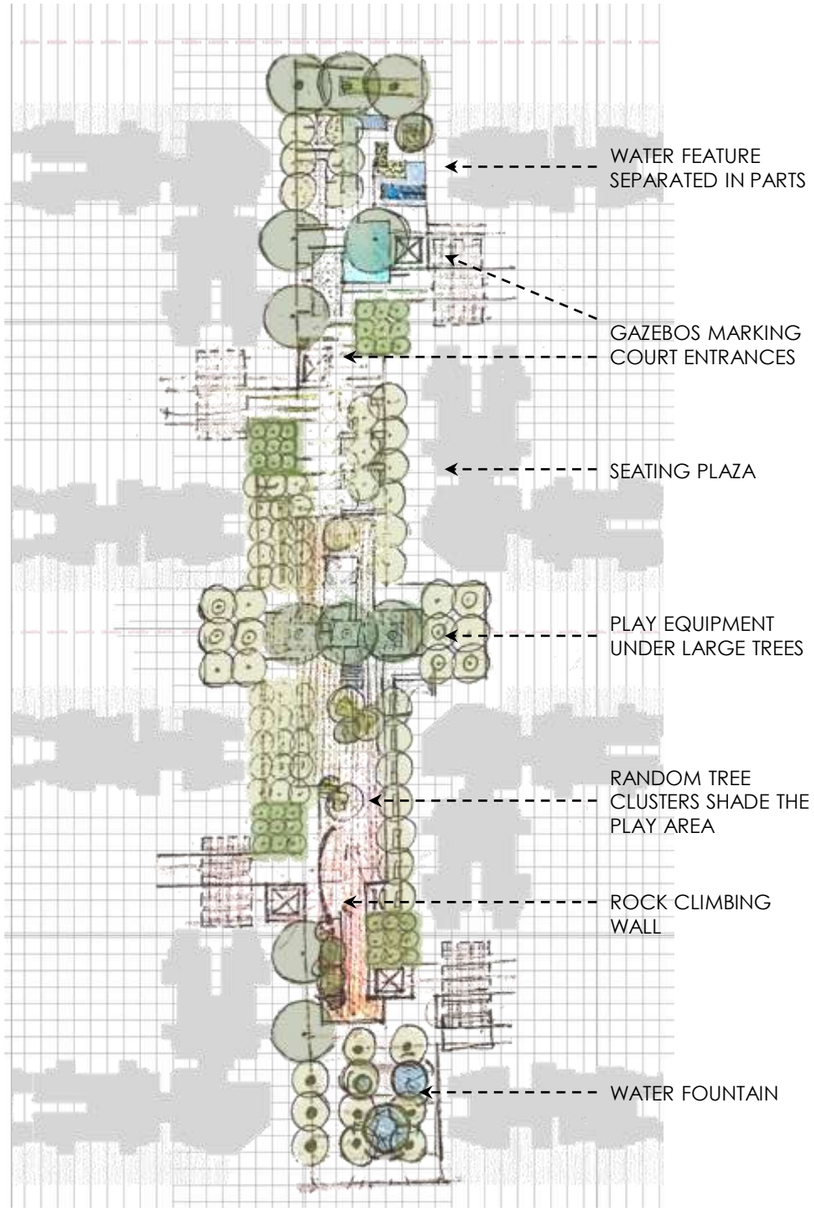
Hedge Ideas:

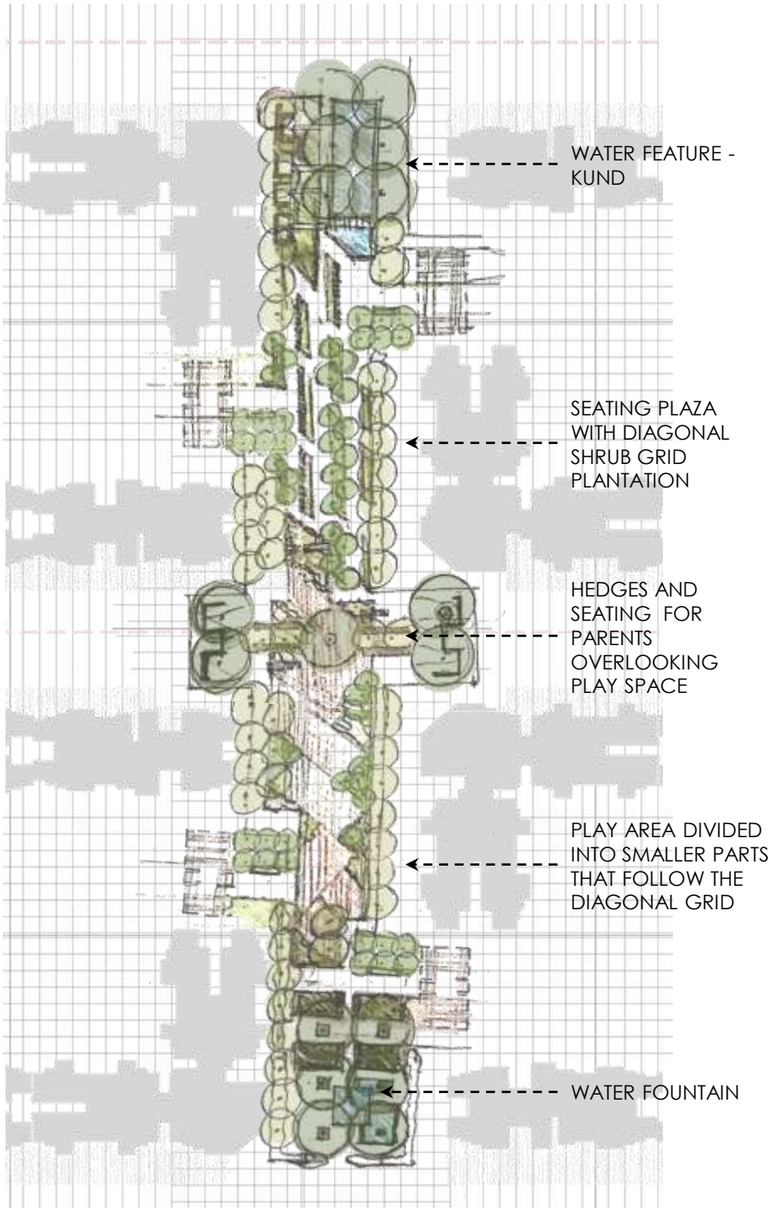


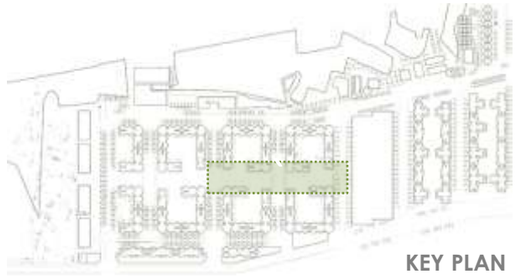
STAGE 3: FINAL OPTIONS WITH IMPROVEMENTS

THE CENTRAL SPINE

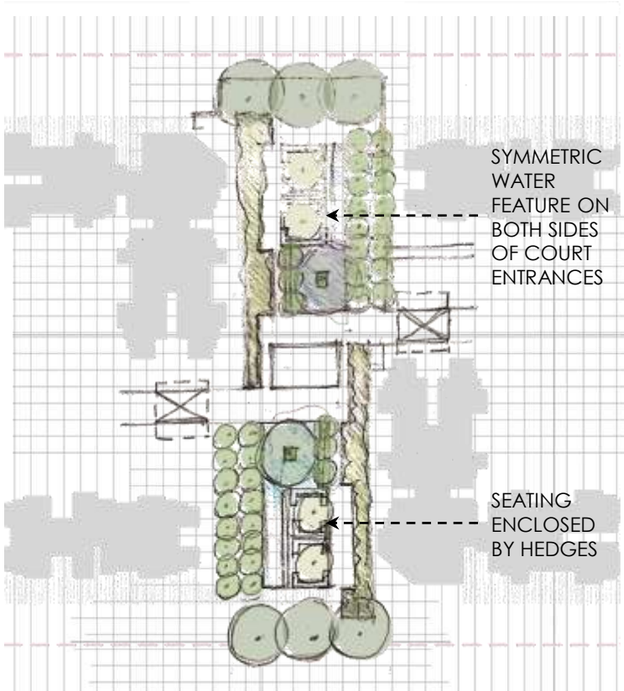
- PART DESIGNS
- SPACE UNDERSTANDING THROUGH MODELS: STAGE ONE
  STAGE TWO
  JUNCTION TRELLIS
- AN OUTCOME – DRAWING OF THE CENTRAL SPINE (KEY PLAN)



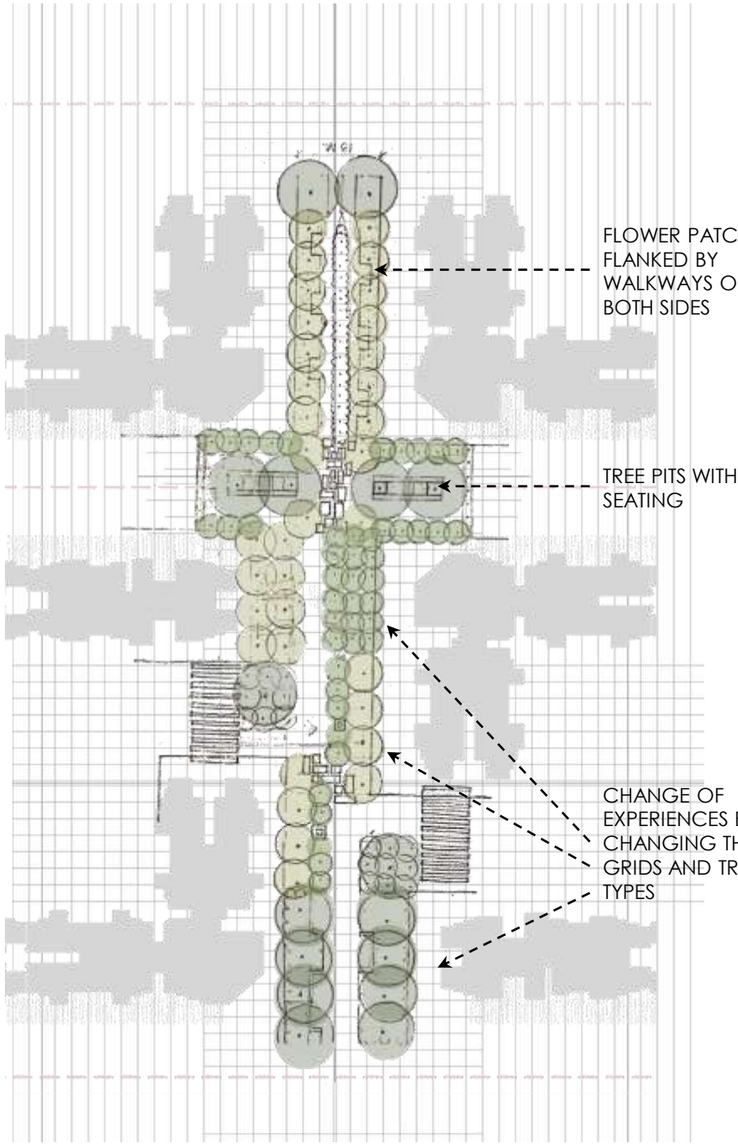


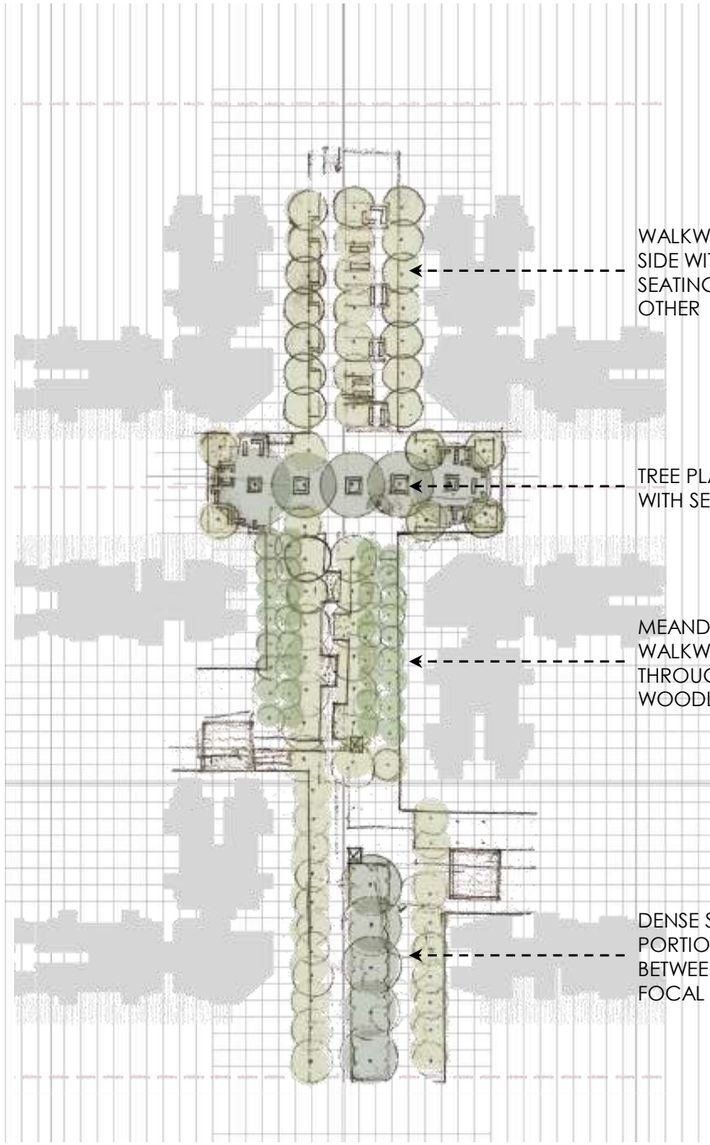


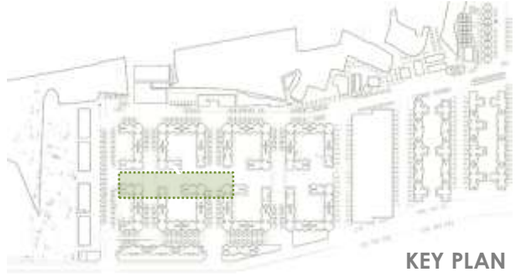
KEY PLAN



ENTRANCE, CHILDREN'S PLAY AREA AND THE WATER FEATURE







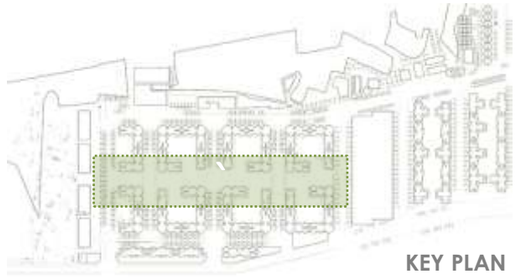
KEY PLAN

MAIN ENTRANCE AND WOODLAND PLAZAS WITH SEATING









KEY PLAN

SPINE MAIN ENTRANCE

PLAZA WITH TREES

MEANDERING PATHWAYS THROUGH WOODLAND PLAZAS

WATER FEATURE – THIN STREAM

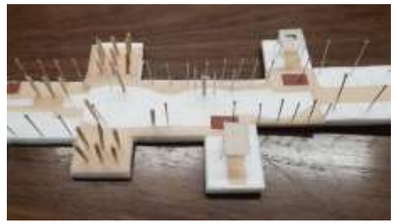
CHILDREN'S PLAY AREA

SPINE ENTRY

SPECIMEN TREES MARKING THE ENTRANCES TO THE COURTYARDS

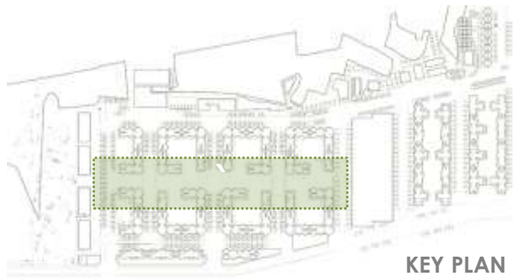
SPECIMEN TREES MARKING THE ENTRANCES TO THE COURTYARDS

OPTION 1: DOMINANCE BY SMALLER TREES THAT GIVE THE SPACE QUALITY OF A WOODLAND









KEY PLAN

SPINE ENTRY COVERED WITH LARGER TREES

PLAZA WITH TREES

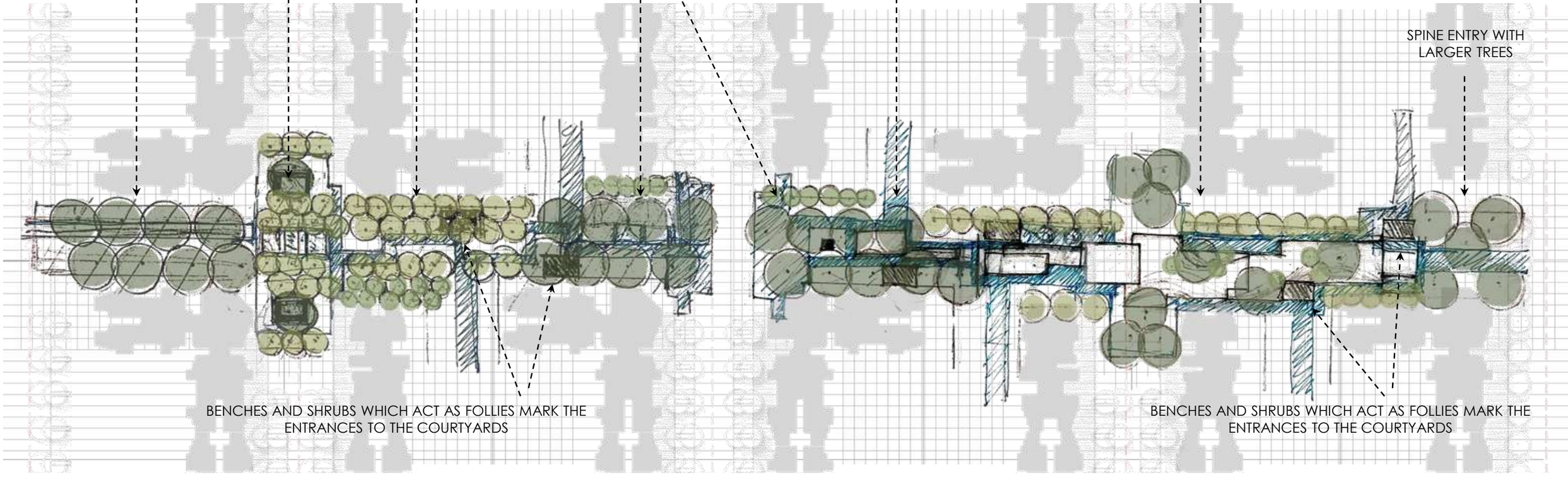
CENTRAL SEATING AREA WITH SMALLER TREES

PORTIONS FLANKED BY A ROAD COMPRISE OF LARGER TREES

WATER FEATURE – CASCADE

CHILDREN'S PLAY AREA

SPINE ENTRY WITH LARGER TREES



BENCHES AND SHRUBS WHICH ACT AS FOLLIES MARK THE ENTRANCES TO THE COURTYARDS

BENCHES AND SHRUBS WHICH ACT AS FOLLIES MARK THE ENTRANCES TO THE COURTYARDS

OPTION 2: COVERED BY A LARGER TREE GRID THAT ALSO PROVIDES ADEQUATE SHADE



MODEL OF THE PLAN OF THE UPPER PART OF THE SPINE WITH THE COURTYARDS



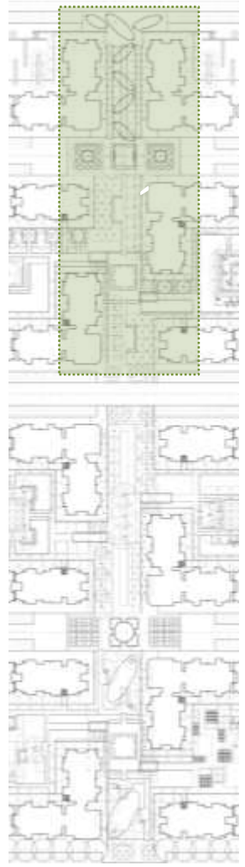
The entrance corridor is visually obstruction free and clear.



Seating in the plaza are in between the hedge box and are shaded by a cluster of small trees.



The pathways are flanked by trees on both sides keeping them shaded.



KEY PLAN



MODEL OF THE PLAN OF THE LOWER PART OF THE SPINE WITH THE COURTYARDS



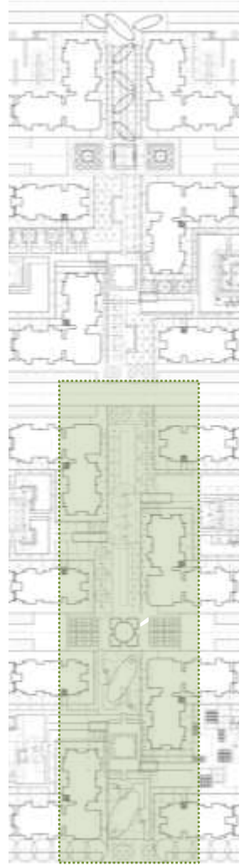
Staggered pathway in the lower left courtyard around seating in the hedge box covered by big trees.



Elliptical Sand pit area surrounded by trees providing shade



Entrance of every courtyard cluster marked by 6 fruit trees.

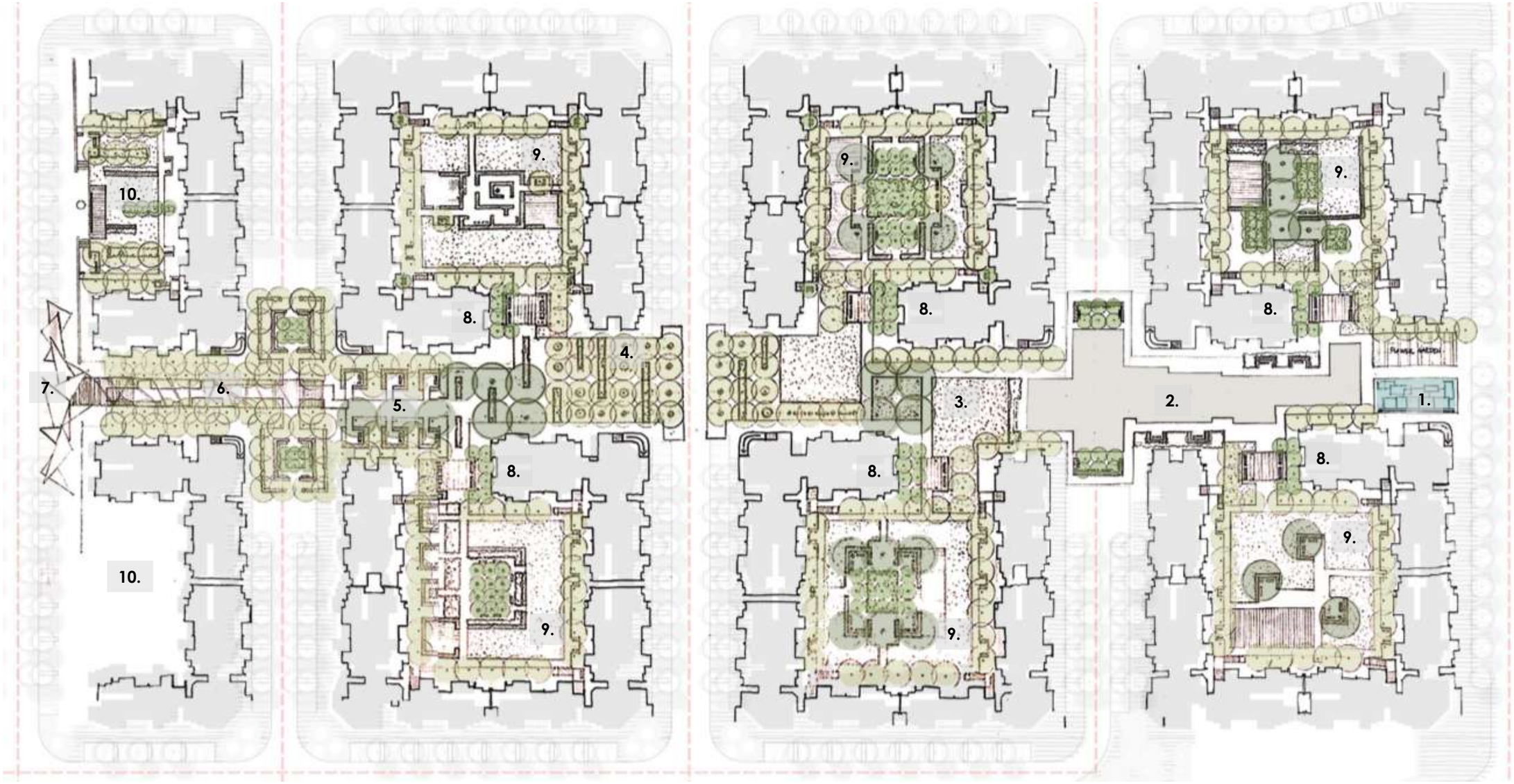


KEY PLAN

DESIGN

- **FINAL STAGE ONE SKETCH AND DRAWING**

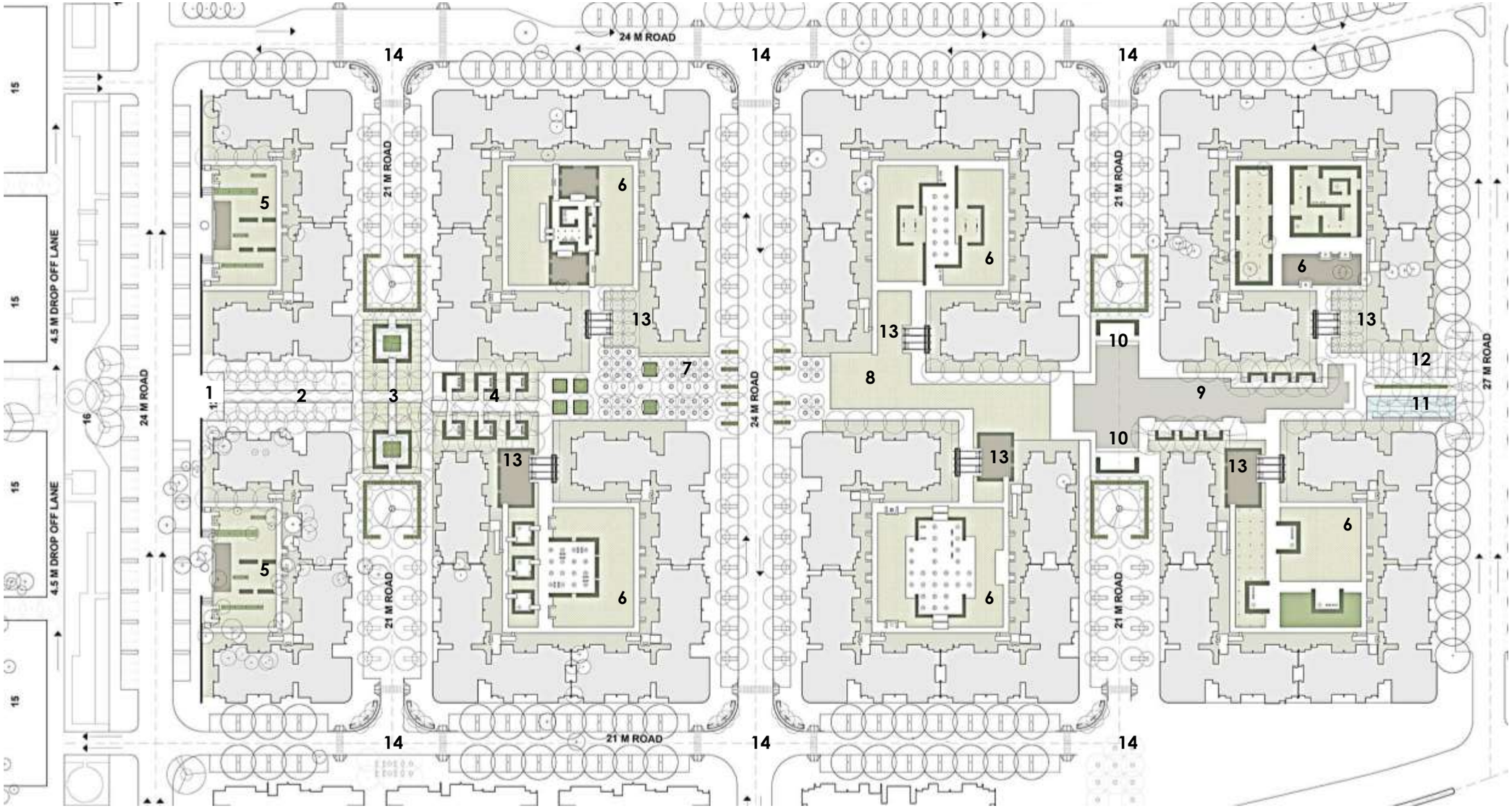
A revision of the spine as well as the courtyard design.



LEGEND

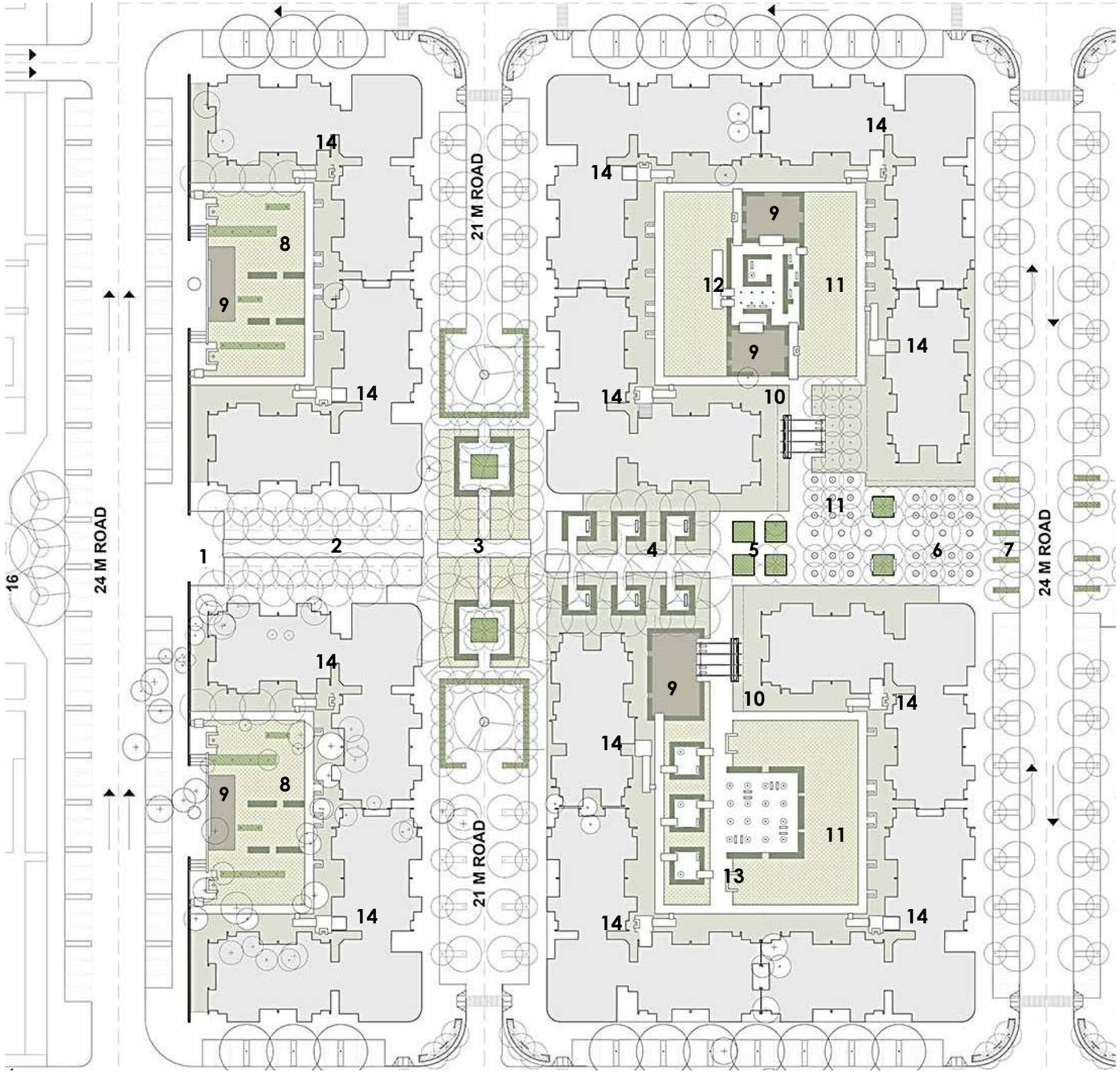
1. Entrance water feature
2. Children's' play area
3. The lawns
4. Woodland plaza
5. Hedge garden
6. Walkway and lawn
7. Trellised entrance to the central spine
8. Transition points – Trellis structures
9. Inner courtyards
10. Sunken courts

MASTERPLAN



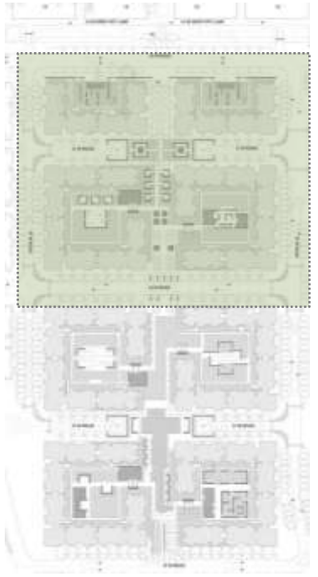
LEGEND

1. Trellised entrance to central green spine
2. Linear public plaza
3. Central spine plaza with hedge seating
4. Hedge garden
5. Sunken courts
6. Cluster courtyards
7. Woodland plaza
8. Lawn spaces
9. Children's play space
10. Seating plazas overlooking children's play area
11. Water feature at the entrance
12. Flower garden
13. Trellis entrances to the courtyards
14. Junction treatment



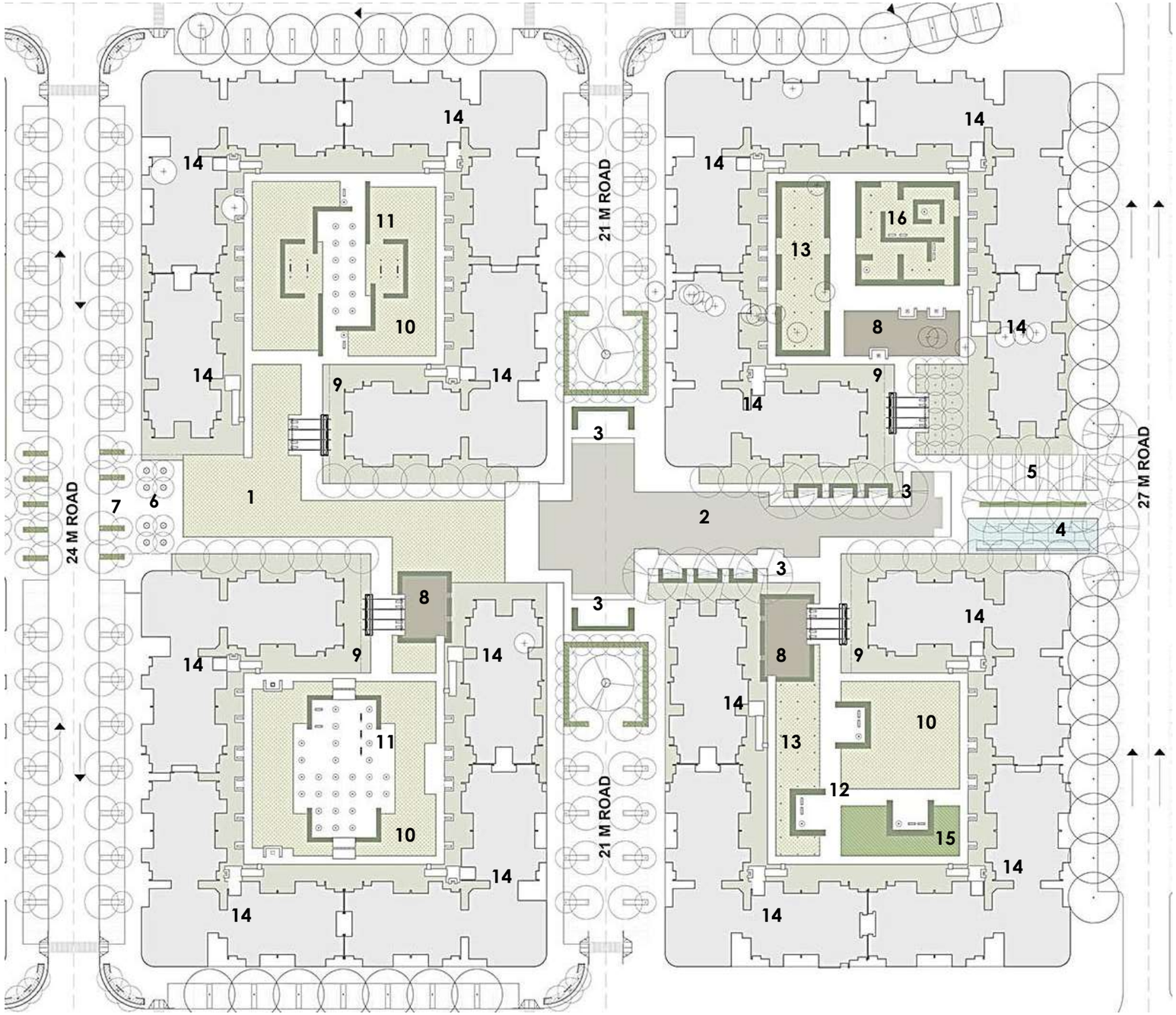
LEGEND

1. Trellised entrance to central green spine
2. Linear public plaza
3. Central spine plaza with hedge seating
4. Hedge garden
5. Shrubs
6. Plaza space with thin tall trees
7. Shrub beds dividing the entrance to provide lines of access
8. Lawn areas separated through shrubs with trees and hedges
9. Kid's play zones
10. Trellis entrance to cluster courtyards with seating
11. Lawn areas
12. Hedge maze with benches
13. Hedge boxes with seating
14. Entrances to buildings



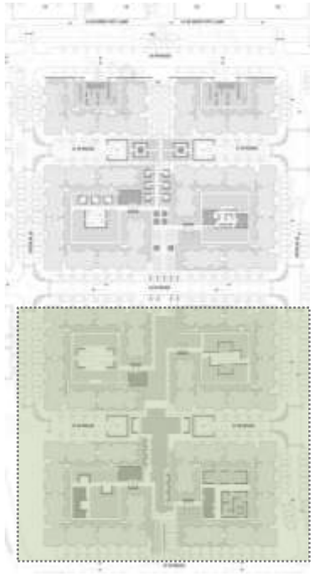
KEY PLAN

PART I



LEGEND

1. Lawn spaces
2. Children's play space
3. Seating plazas overlooking children's play area
4. Water feature at the entrance (water wall and cascade)
5. Flower garden
6. Plaza space with thin tall trees
7. Shrub beds dividing the entrance to provide lines of access
8. Kid's play zones
9. Trellis entrance to cluster courtyards with seating
10. Lawn areas
11. Hedges with seating and swings
12. Hedge boxes with seating
13. Tree courts
14. Entrances to buildings
15. Herb garden
16. Maze area with seating



KEY PLAN

PART II

SEPTEMBER 2018