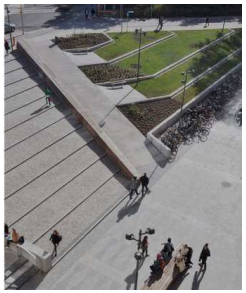
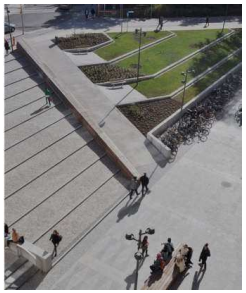


UNIVERSITY OF THE FREE STATE
UNIVERSITEIT VAN DIE VRYSTAAT
YUNIVESITHI YA FREISTATA
UFS UV

UPGRADING OF THE RED SQUARE

MARCH 2019

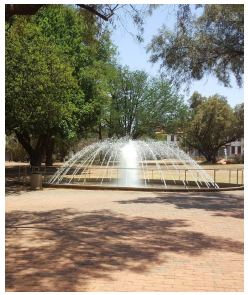
DESTUDIO

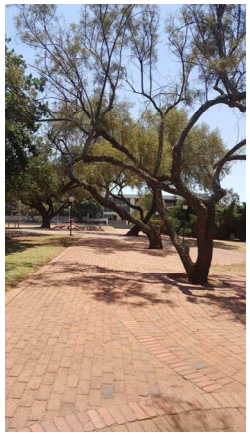


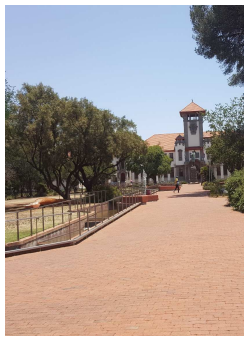
THE CONCEPT INTRODUCES A GARDEN SPACE

- Celebrating the university's diversity as its greatest asset
- Promotes community engagement

CONCEPT: Focus

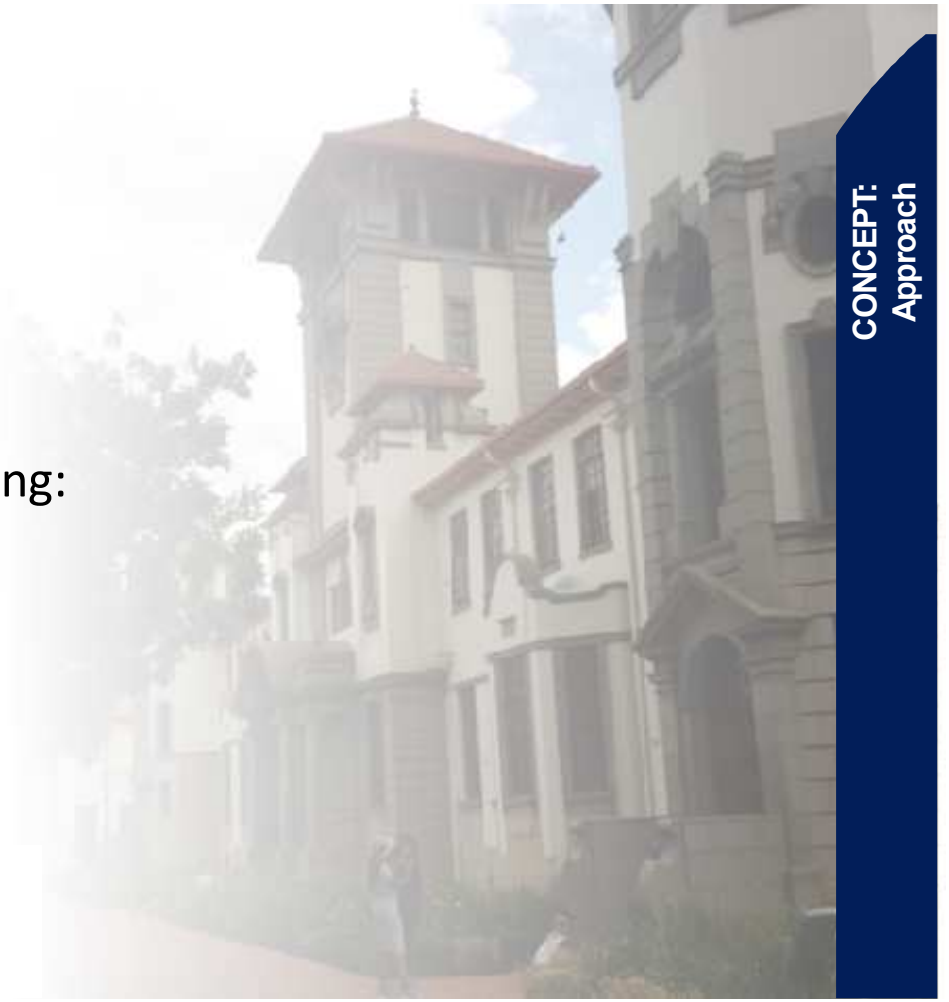




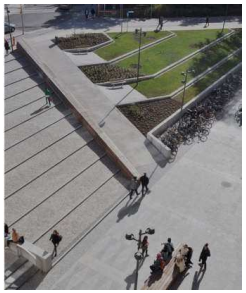


THE DESIGN APPROACH

- Flexible spaces to experience:
  - art
  - culture and
  - history
- Creating areas to respond to surrounding:
  - architecture
  - cultural landmarks
- Spaces activated to create unique experiences with:
  - Range of finishes
  - structures and
  - landscapes



CONCEPT: Approach

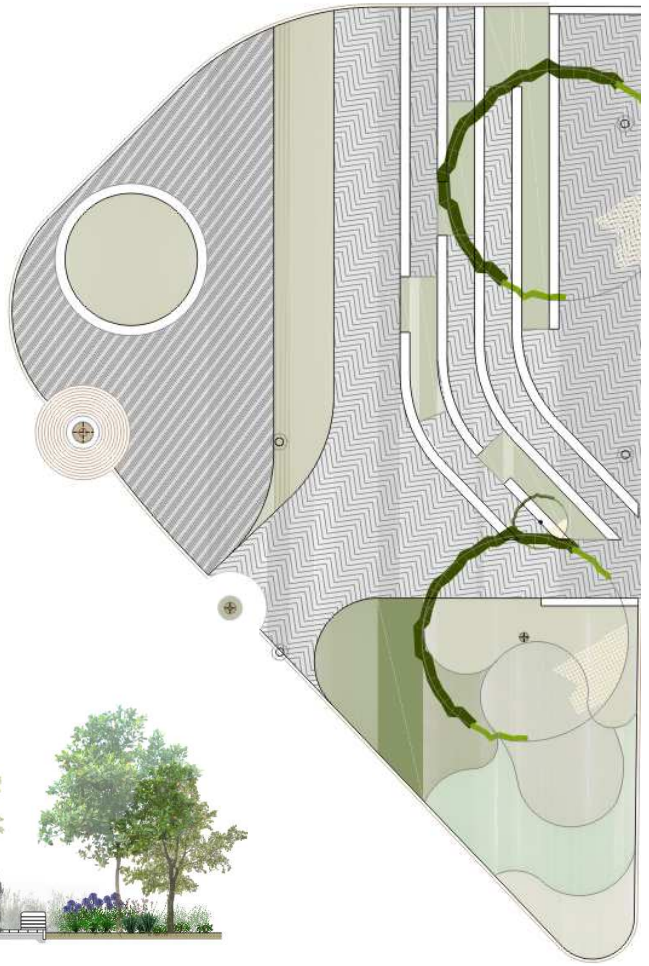


CREATING A LOW MAINTENANCE GARDEN BY USING

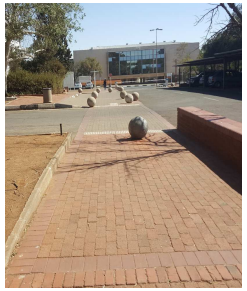
- "net-zero" efficiency in water and energy

INCORPORATING FEATURES SUCH AS

- solar collection
- on-site storm water filtration
- landscaping plan that maximizes need for water conservation



CONCEPT: Sustainability

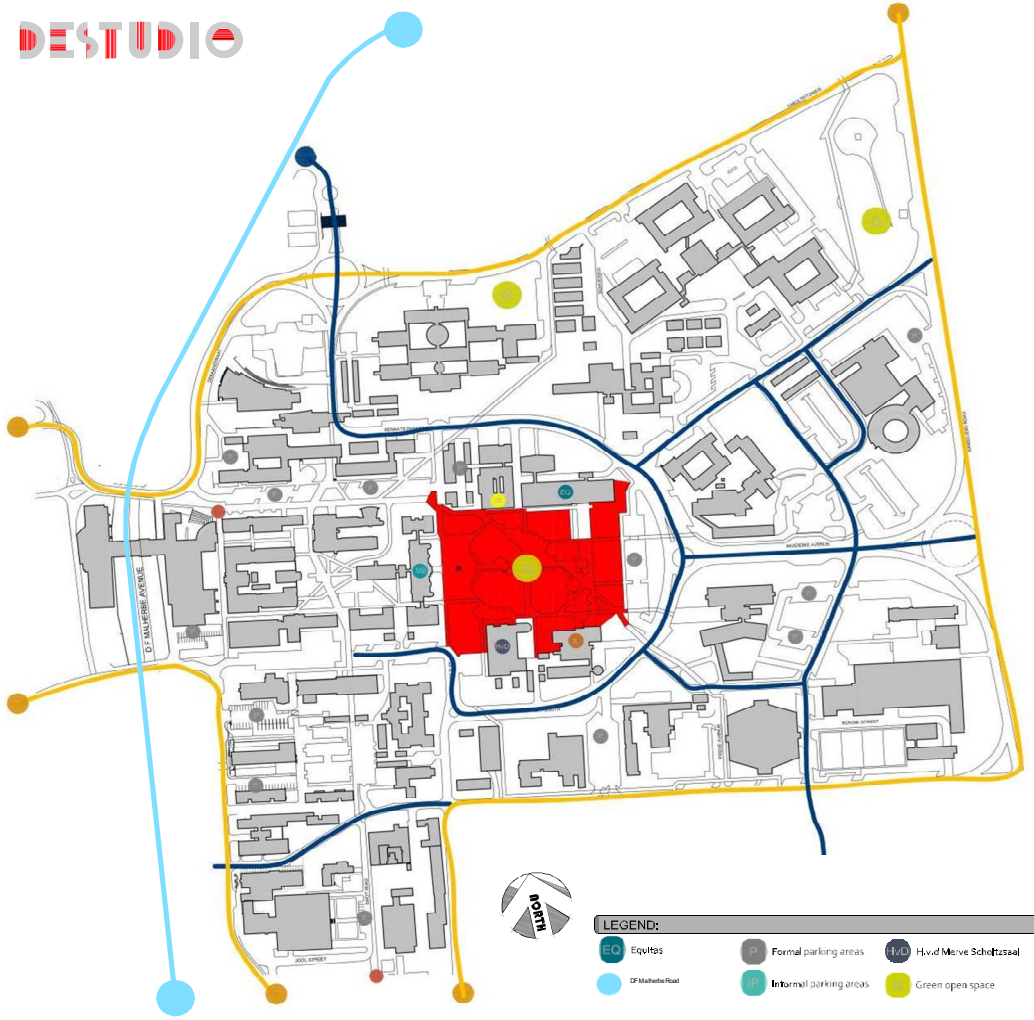


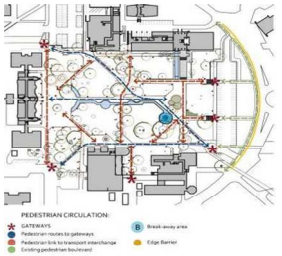
SMART PARK_flexable urban landscape

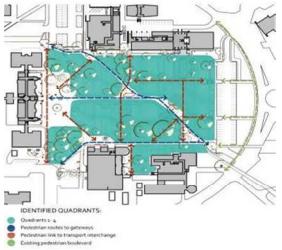
DESTUDIO

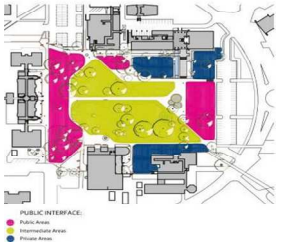
UFS UV

LOCATION

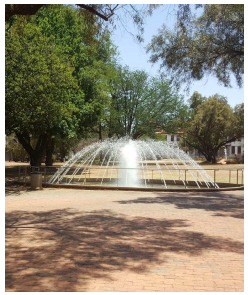


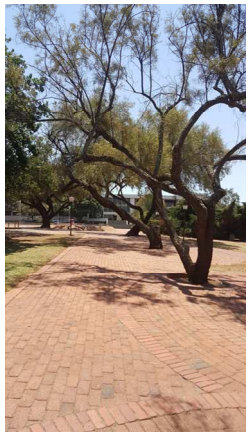


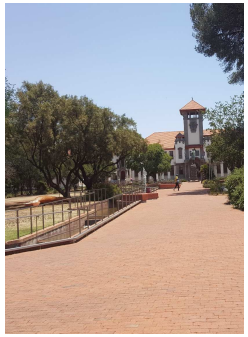




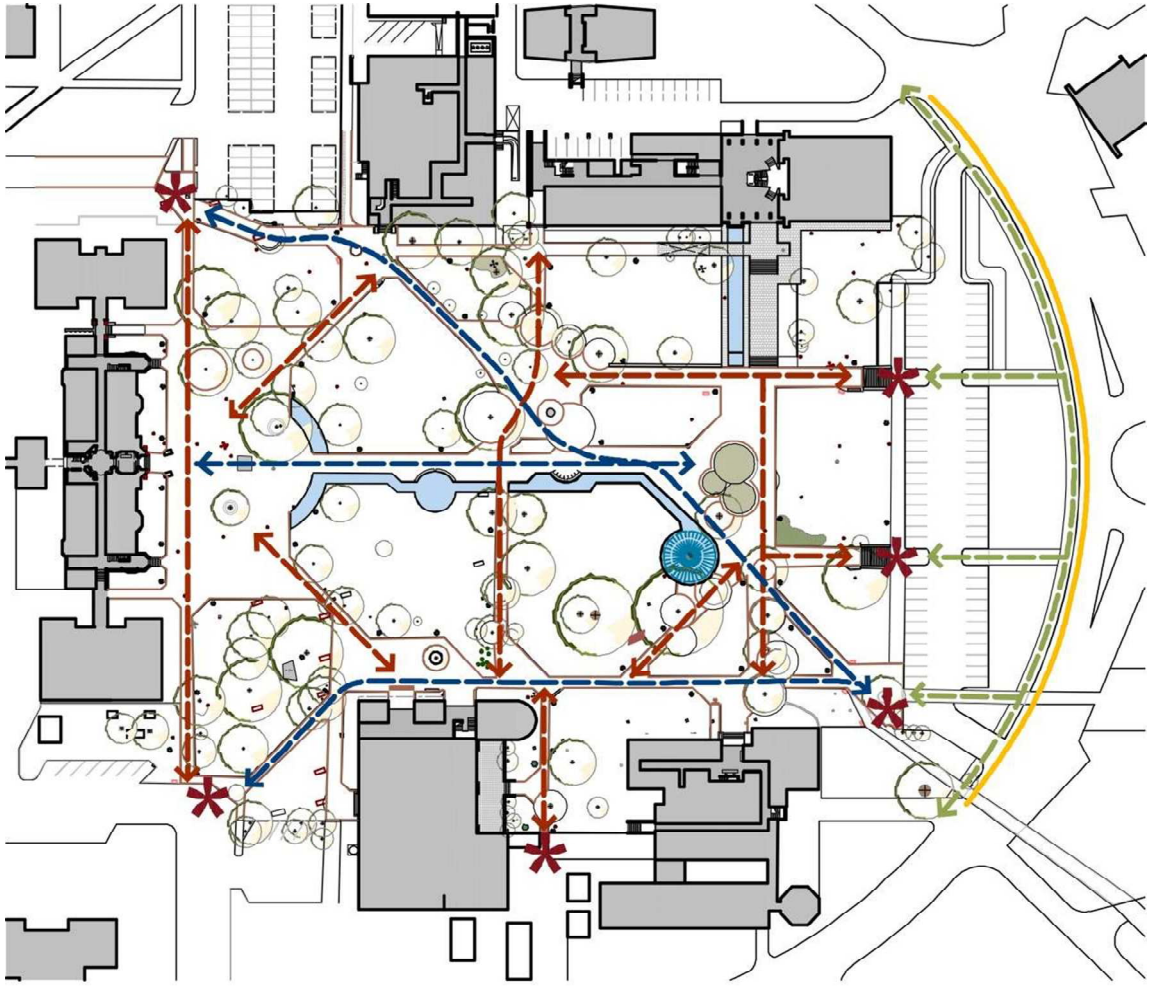
LOCALITY: Contextual orientation







LOCATION

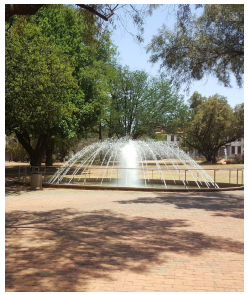


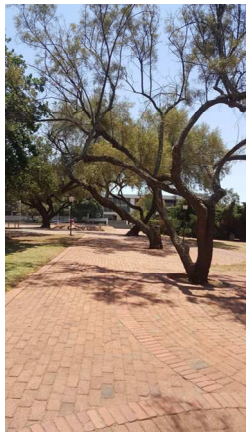
PEDESTRIAN CIRCULATION:

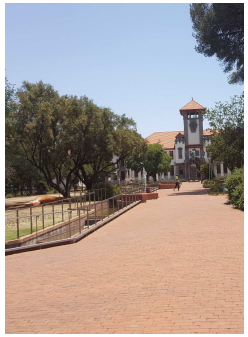
- GATEWAYS
- Pedestrian routes to gateways
- Pedestrian link to transport interchange
- Existing pedestrian boulevard
- B Break-away area
- Edge Barrier

ANALYSIS:
Pedestrian circulation

DESTUDIO







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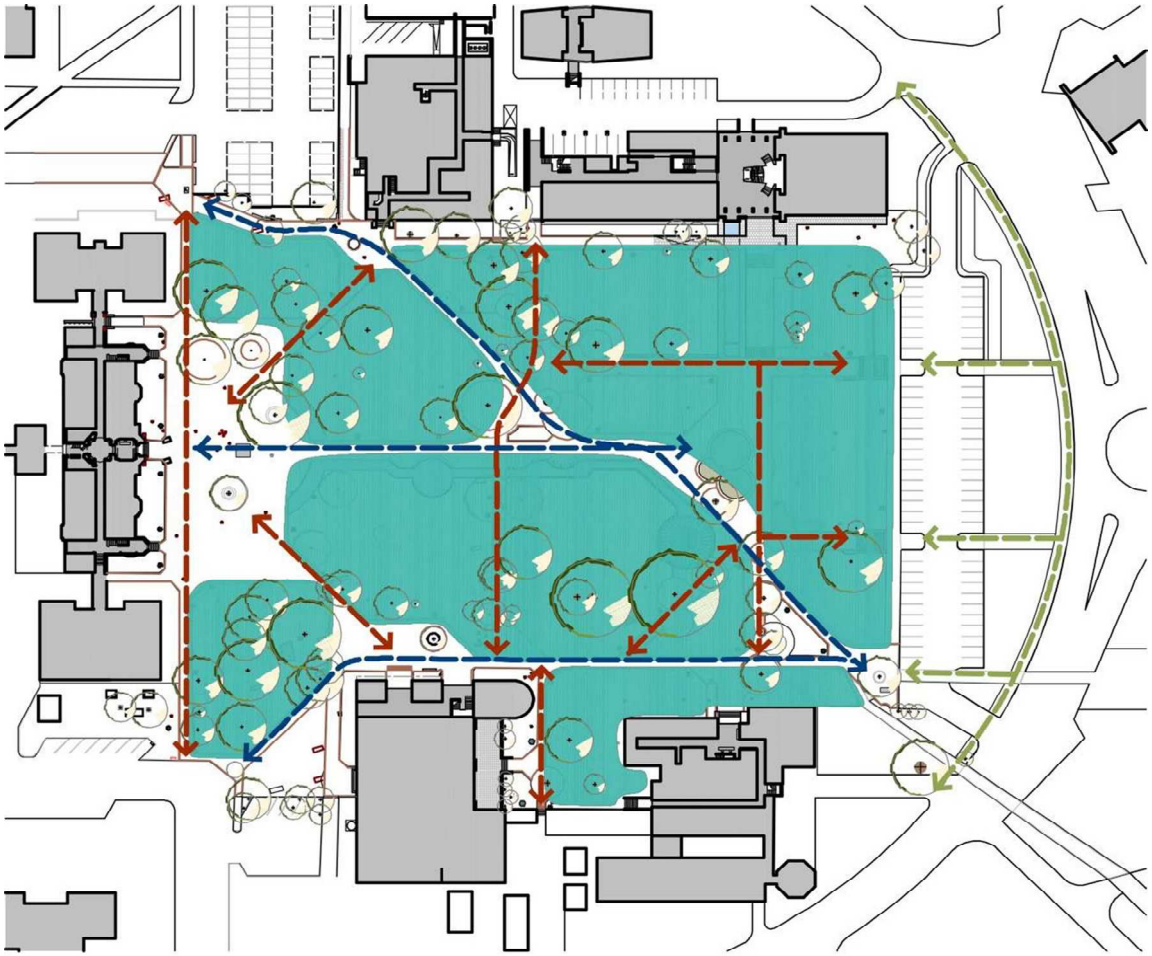
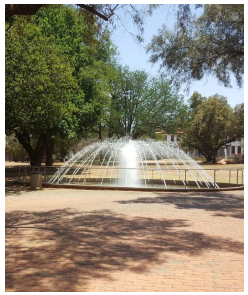


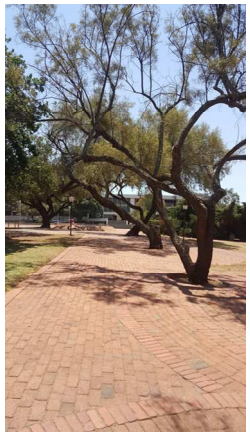
IDENTIFIED QUADRANTS:

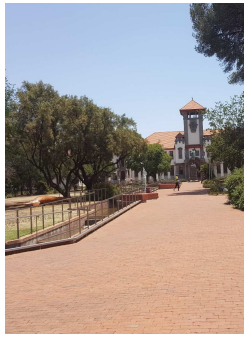
- Quadrants 1- 4
- Pedestrian routes to gateways
- Pedestrian link to transport interchange
- Existing pedestrian boulevard

ANALYSIS:
Identified quadrants

DESTUDIO

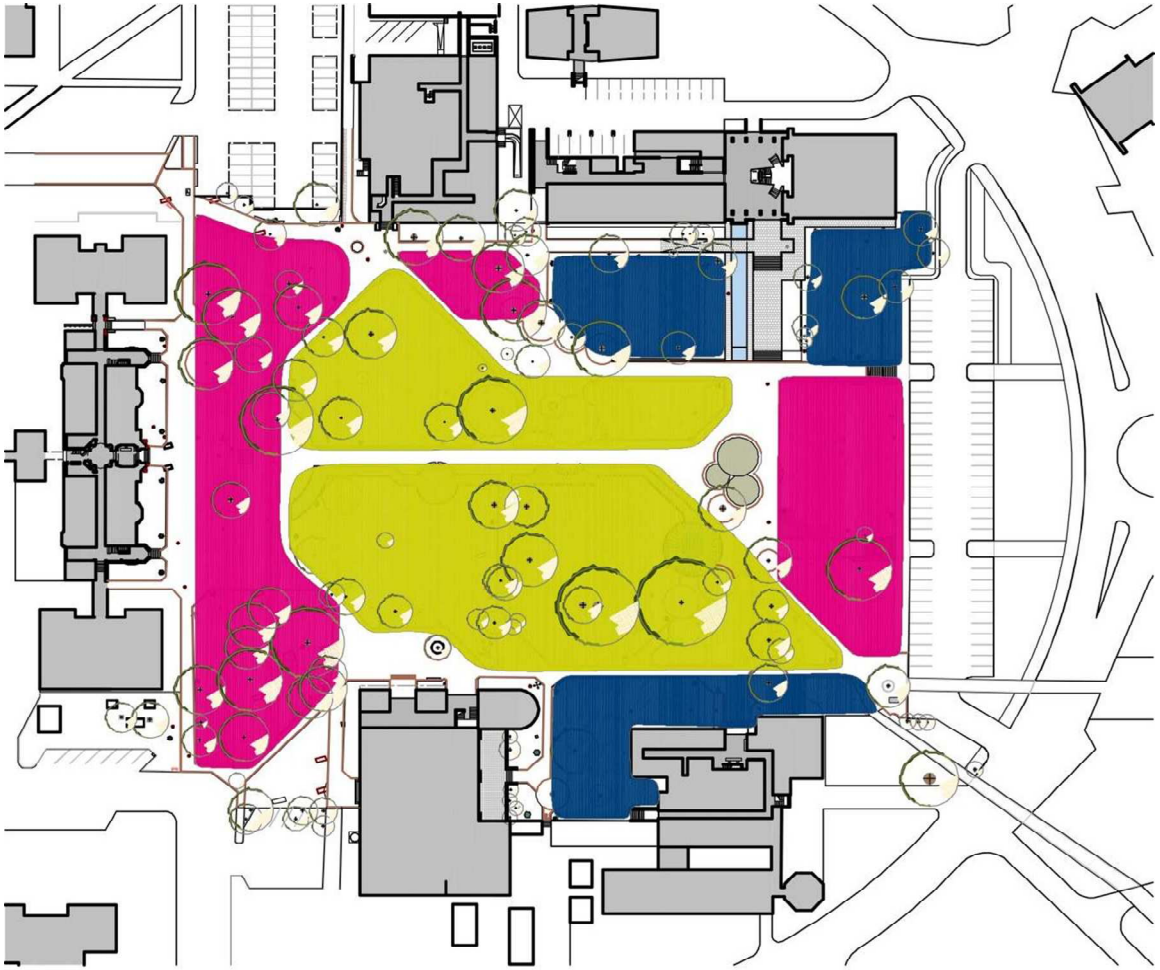






SMART PARK_flexable urban landscape

LOCATION



PUBLIC INTERFACE:

- Public Areas
- Intermediate Areas
- Private Areas

ANALYSIS: Public interface

DESTUDIO

EQUITAS BUILDING

JOHANNES BRILL BUILDING

MAIN BUILDING

SCHOLTZSAAL

IDALIA LOOTS BUILDING

EXISTING SQUARE

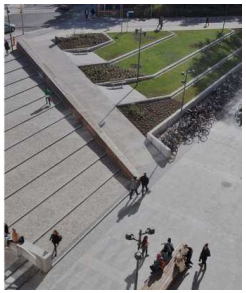
WELL DEFINED PERIMETER
Buildings frames existing square

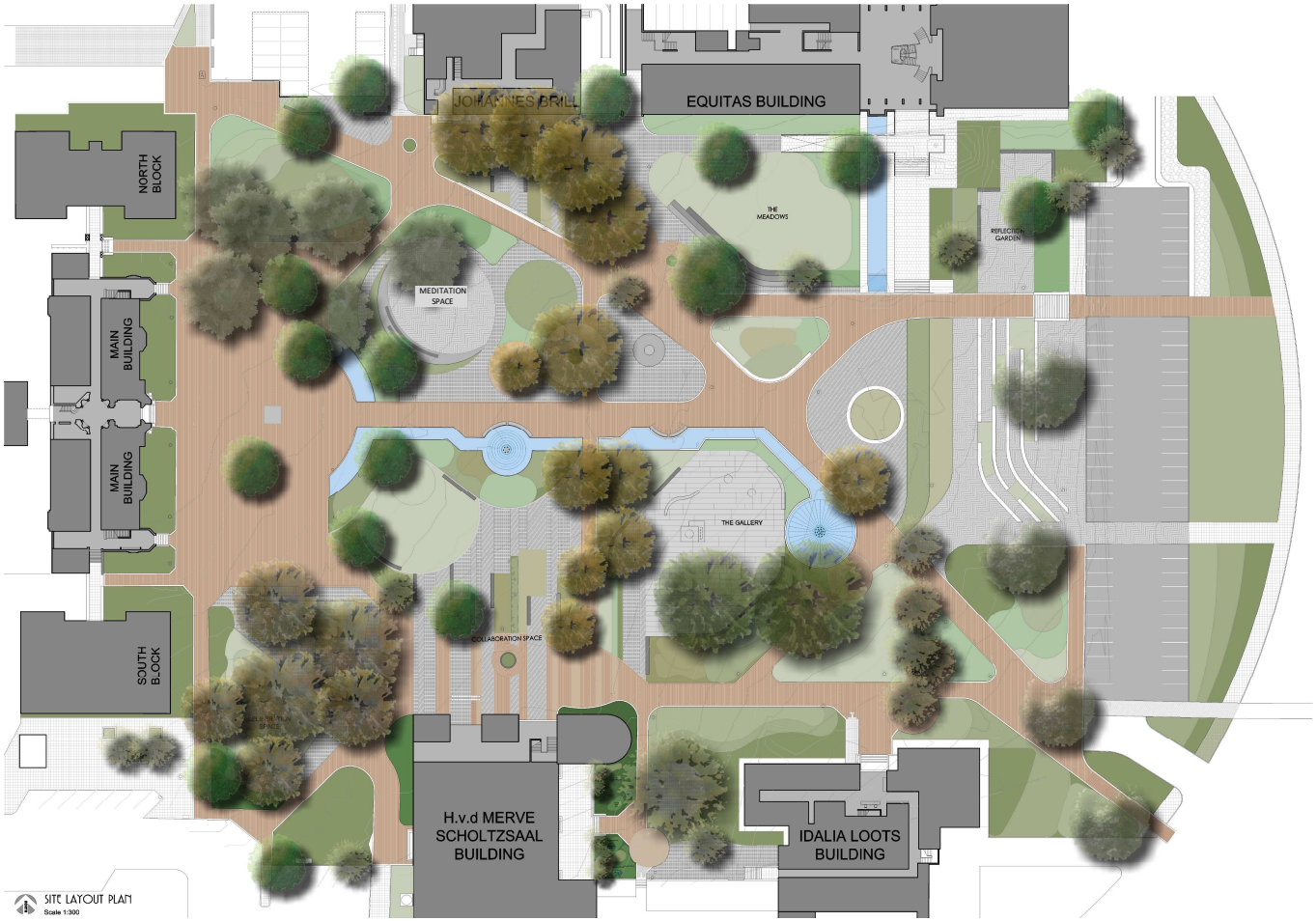
PROMINENT AXIS
Strong definition between pathways & open spaces

PROMINENT MANMADE FEATURES
iconic and historical arrangement of a central statue and historical buildings that provide shade, light and reflection

DESTUDIO

ANALYSIS:
Record drawing





Retain existing circulation structure

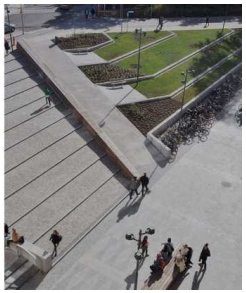
Enhance existing flow

Promote character of each quadrant

Adjust alignment of diagonal route

URBAN DESIGN LAYOUT: with trees

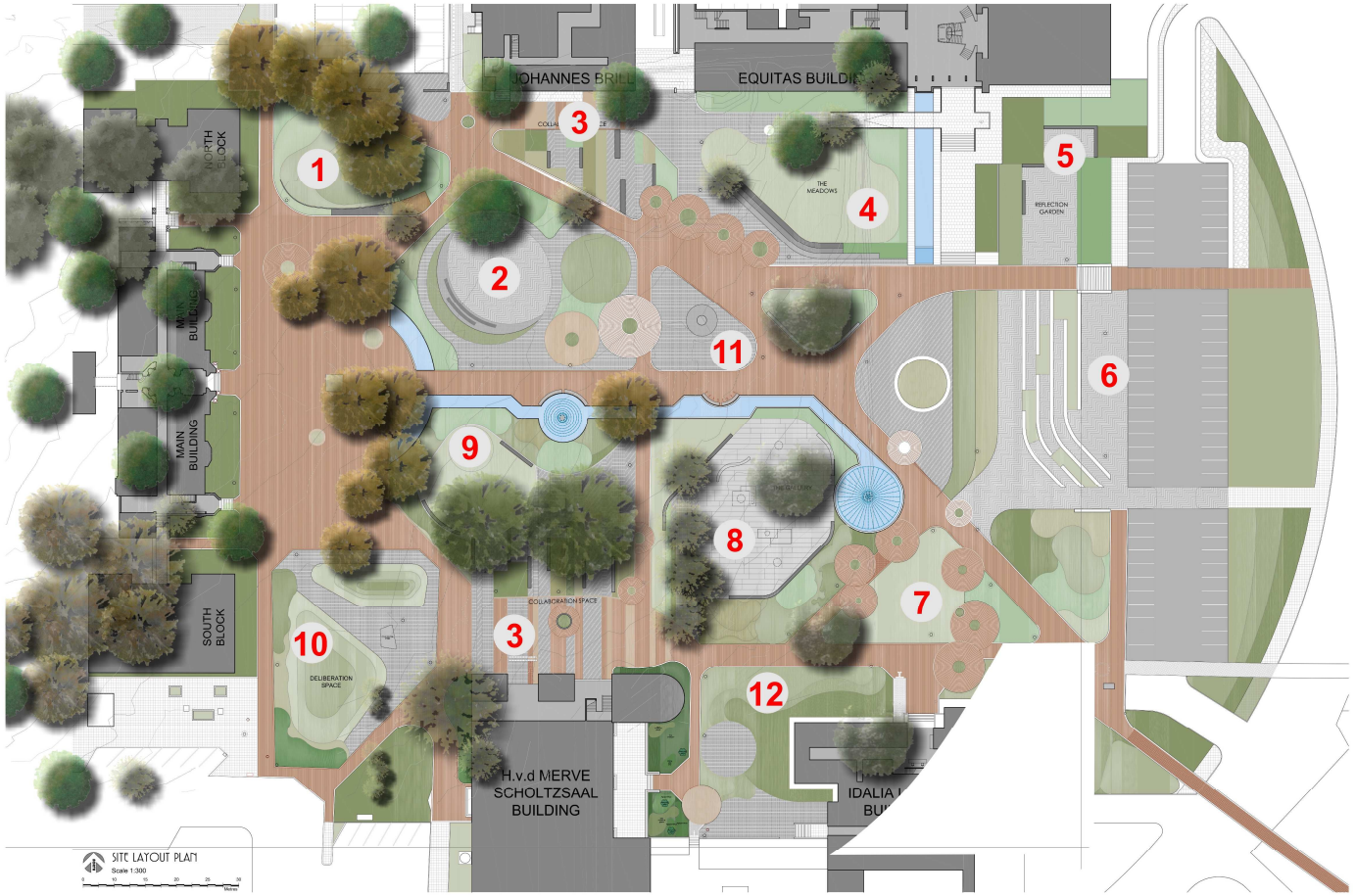
DESTUDIO



SMART PARK_flexable urban landscape

DESTUDIO

UFS UV



1 ROCK GARDEN

2 MEDITATION SPACE

3 COLLABORATION SPACE

4 THE MEADOWS

5 REFLECTION GARDEN

6 AMPHI THEATRE

7 PICNIC SPACE

8 THE GALLERY

9 THE PARK

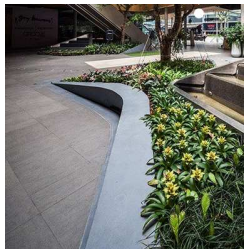
10 DELIBERATION SPACE

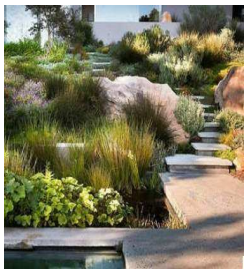
11 MEMORIAL

12 OFFICE GARDEN

POCKET OF PLANS: spatial design..

SMART PARK_ flexible urban landscape

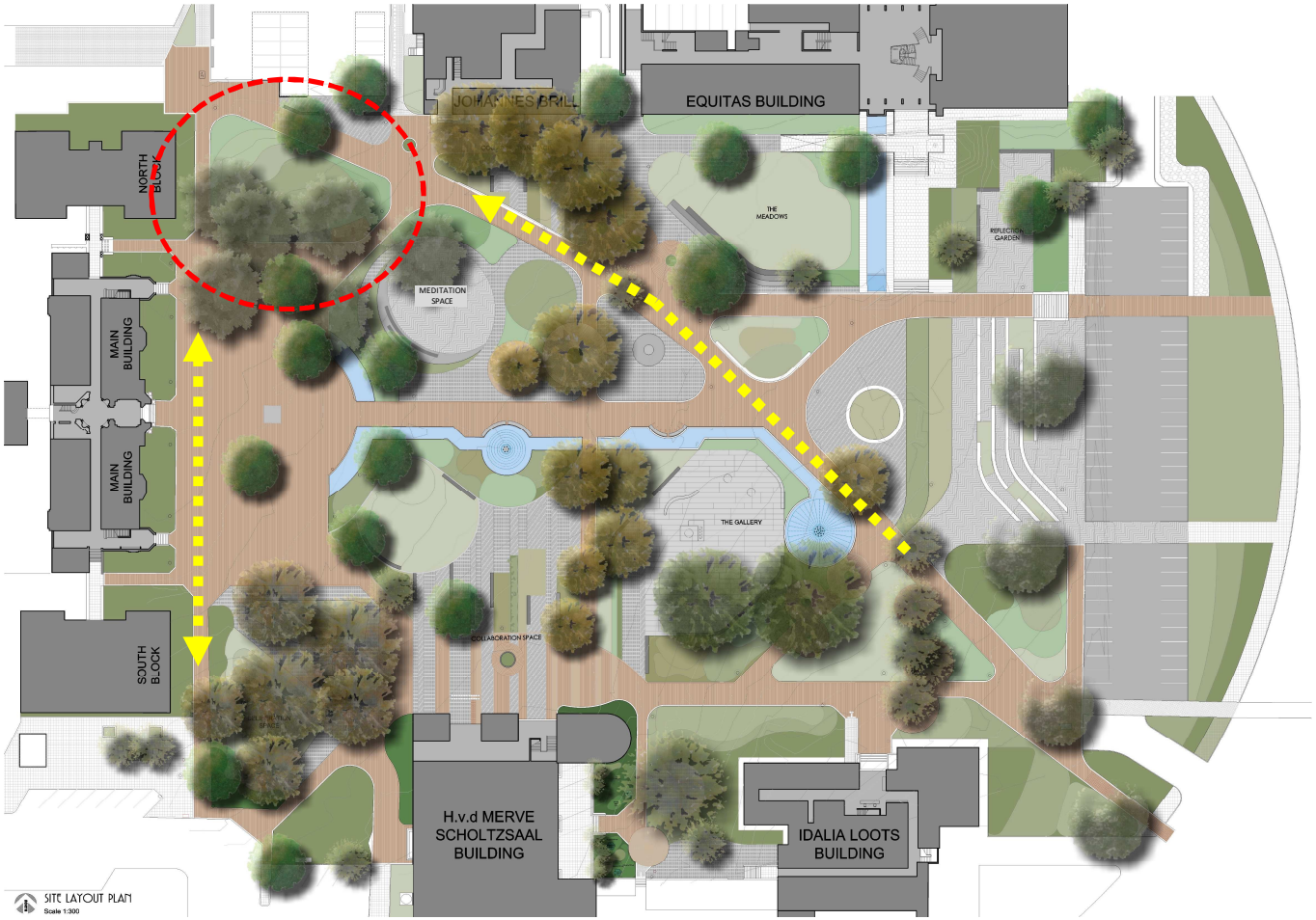




GARDEN FUNCTION & FORM_Pocket 1

DESTUDIO

UFS UV



ROCK GARDEN

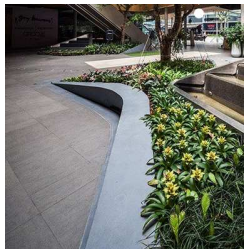
CIRCULATION

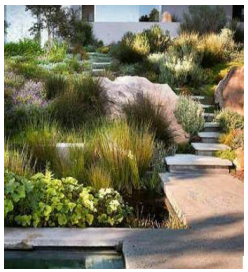
GARDEN

ALIGNMENT CIRCULATION

POCKET OF PLANS: spatial design..

SMART PARK_ flexible urban landscape





GARDEN FUNCTION & FORM_Pocket 1

DESTUDIO

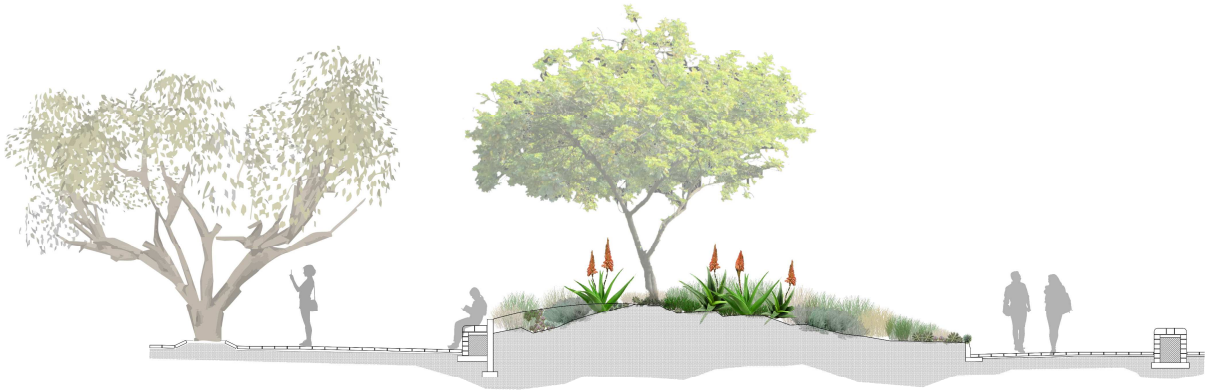
UFS UV

4 SUCCULENT GARDEN:

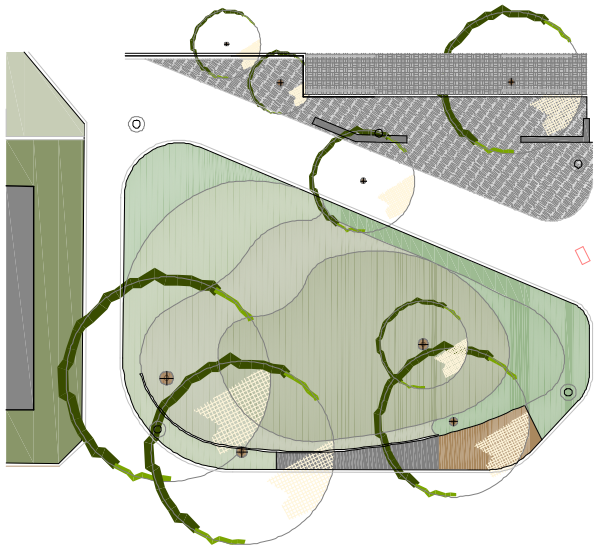
1. Cotyledon orbiculata
2. Aloe maculata
3. Aptenia cordifolia
4. Bulbine frutescens
5. Stapelia grandiflora
6. Aloe arborescens
7. Crassula ovata
8. Haworthia glauca
9. Crassula multicava
10. Plectranthus neochilus
11. Aloe ciliaris
12. Portulacaria afra

HIGHLIGHTED PLANTS FROM THE SUCCULENT GARDEN:

HIGHLIGHTED PLANTS FROM THE FRAGRANCE GARDEN:



SUCCULENT GARDEN



ELEMENTS_ provide obscurity & invite users
FORM_ create pockets and structured movement
CONNECTIONS_ facilitate exploration and integration

3 WATER-WISE GARDEN

1. Artemisia absinthum
2. Artemisia afra
3. Seasia lancea
4. Seasia pendulania
5. Melianthus comosus
6. Clivia miniata
7. Freylinia tropica
8. Agapanthus praecox
9. Buddleja saligna
10. Combretum erythrophyllum
11. Aptenia cordifolia
12. Chrysanthemoides monilifera
13. Bulbine frutescens
14. Euryops chrysanthemoides
15. Plectranthus 'Mona Lavender'
16. Tulbaghia violacea
17. Crinum bulbispermum
18. Crinum moorei
19. Dietes grandiflora
20. Osteospermum ecklonis
21. Plectranthus neochilus
22. Hypoestes aristata
23. Olea europaea subsp africana
24. Plectranthus ecklonii
25. Plectranthus saccatus
26. Carpobrotus edulis
27. Salvia africana-lutea
28. Leonotis leonurus

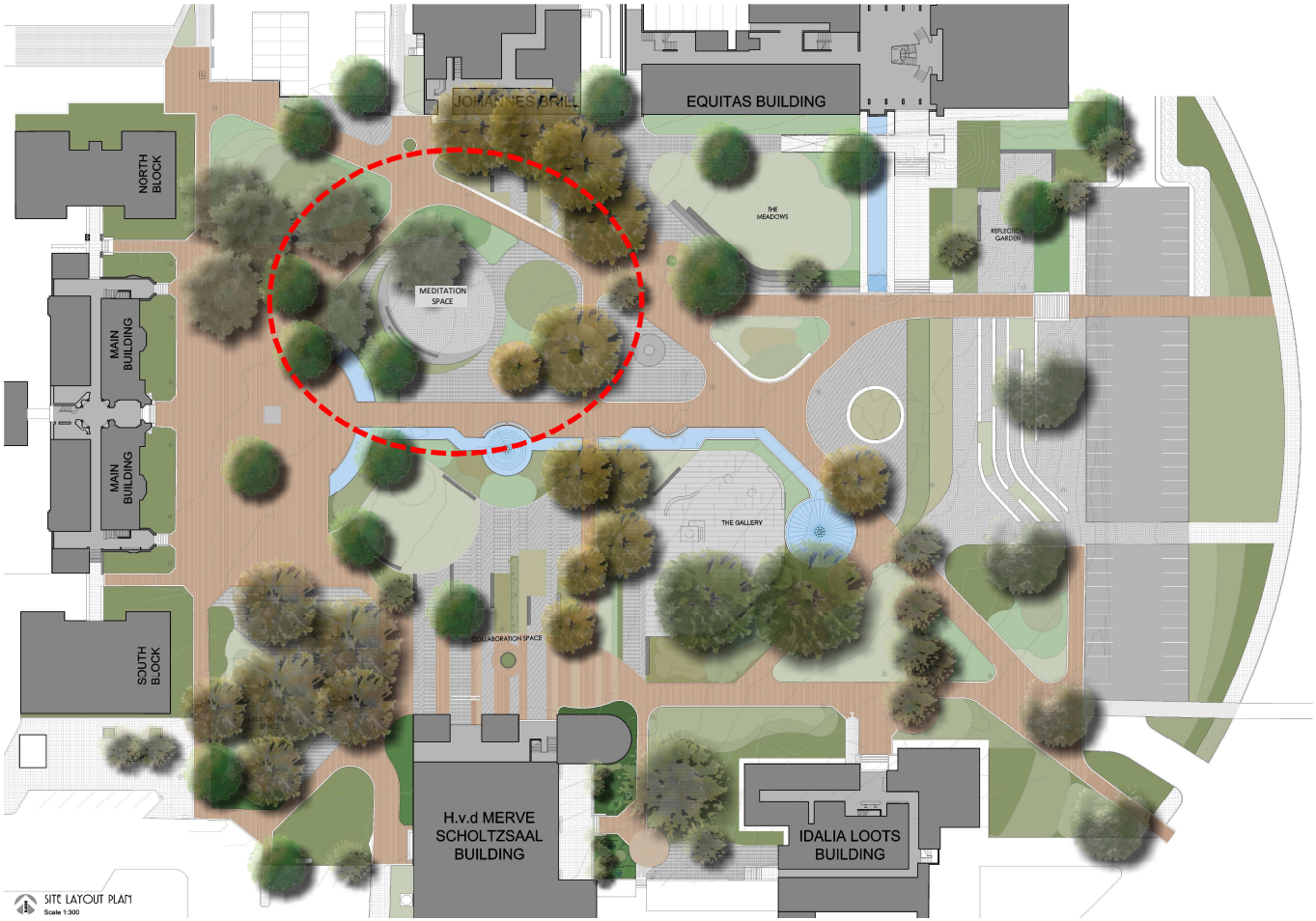
ROCK GARDEN

SMART PARK_ flexible urban landscape

GARDEN FUNCTION & FORM_Pocket 2

DESTUDIO

UFS UV



MEDITATION SPACE

CIRCULATION

GARDEN

POCKET OF PLANS: spatial design..

SMART PARK_ flexible urban landscape

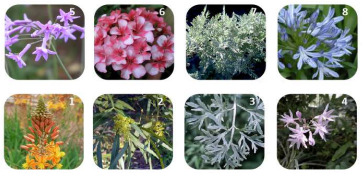
GARDEN FUNCTION & FORM_Pocket 2

DESTUDIO

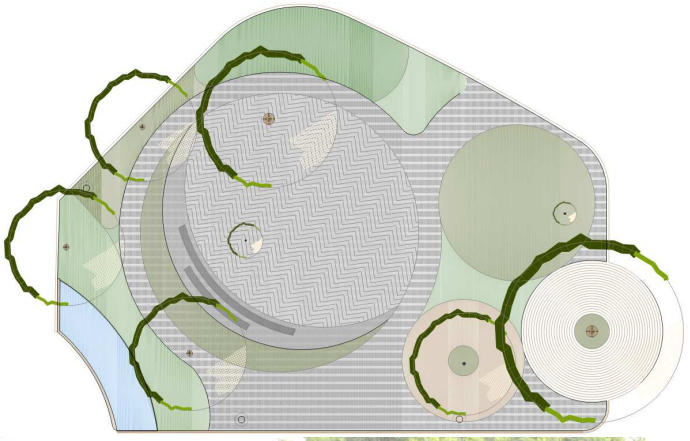
UFS UV

FRAGRANCE GARDEN:

1. Bulbine frutescens
2. Seasia lancea
3. Artemisia absinthium
4. Tulbaghia variegata
5. Tulbaghia violacea
6. Perlagonium sp.
7. Artemisia afra
8. Agapanthus africanus
9. Buddleja saligna

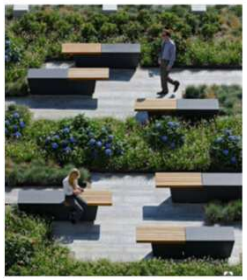


HIGHLIGHTED PLANTS FROM THE FRAGRANCE GARDEN:



MEDITATION SPACE

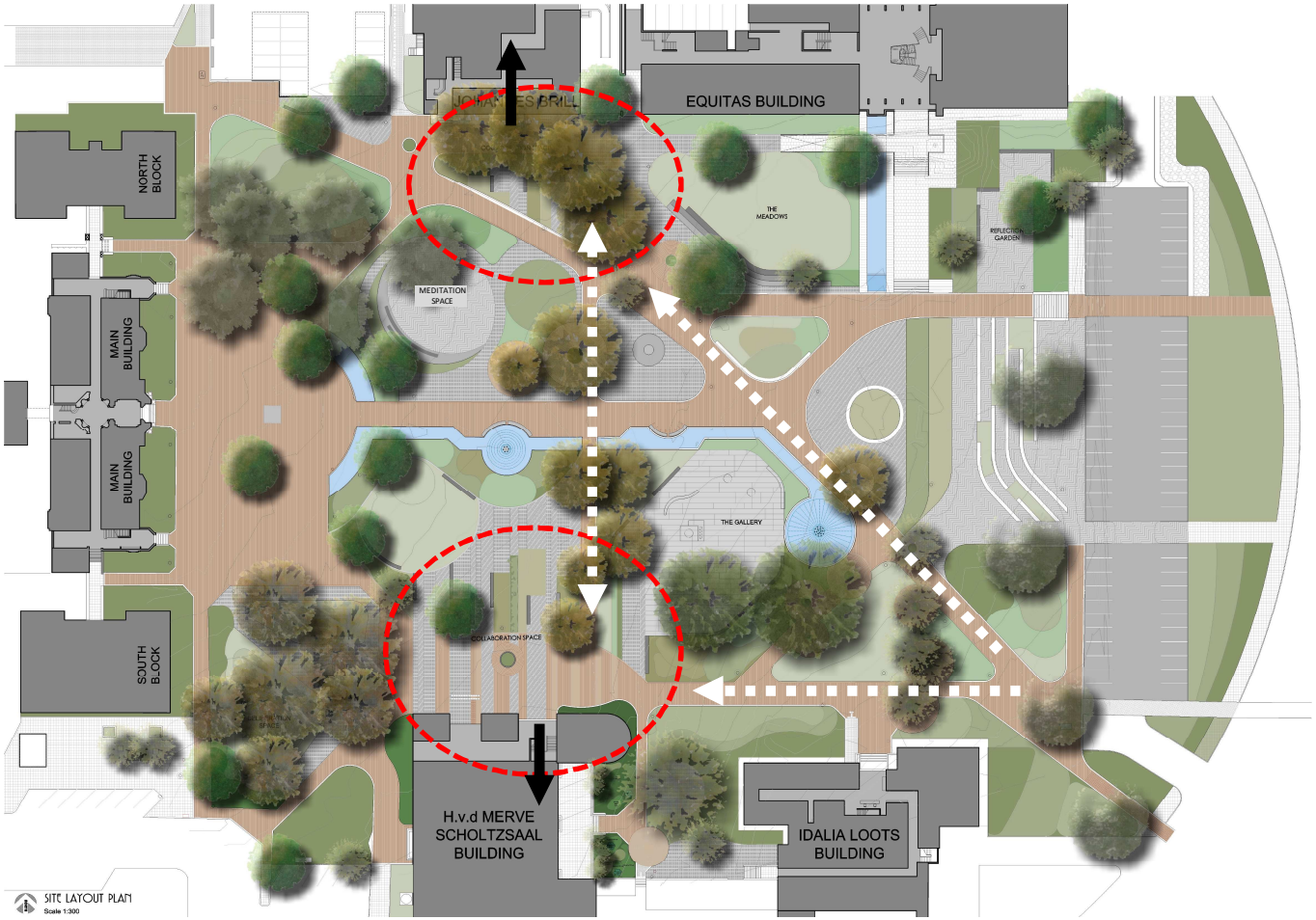
SMART PARK_ flexible urban landscape



GARDEN FUNCTION & FORM_Pocket 3

DESTUDIO

UFS UV



COLLABORATION SPACE

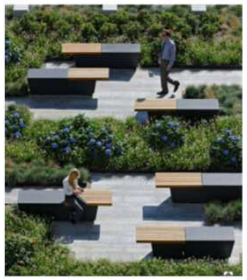
LECTURE HALLS

CIRCULATION

COLLABORATION SPACE

POCKET OF PLANS: spatial design..

SMART PARK_ flexible urban landscape



GARDEN FUNCTION & FORM_Pocket 3

DESTUDIO

UFS UV

WATER-WISE GARDEN 3

1. Artemisia absinthium
2. Artemisia afra
3. Seasia lancea
4. Seasia pendulania
5. Melianthus comosus
6. Clivia miniata
7. freylinia tropica
8. Agapanthus praecox
9. Buddleja saligna
10. Combretum erythrophyllum
11. Aptenia cordifolia
12. Chrysanthemoides moniilifera
13. Bulbine frutescens
14. Euryops chrysanthemoides
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22. Hypoestes aristata
23. Olea europaea subsp africana
24. Plectranthus ecklonii
25. Plectranthus saccatus
26. Carpobrotus edulis
27. Salvia africana-lutea
28. Leonotis leonurus

HIGHLIGHTED PLANTS FROM THE WATERWISE GARDEN:

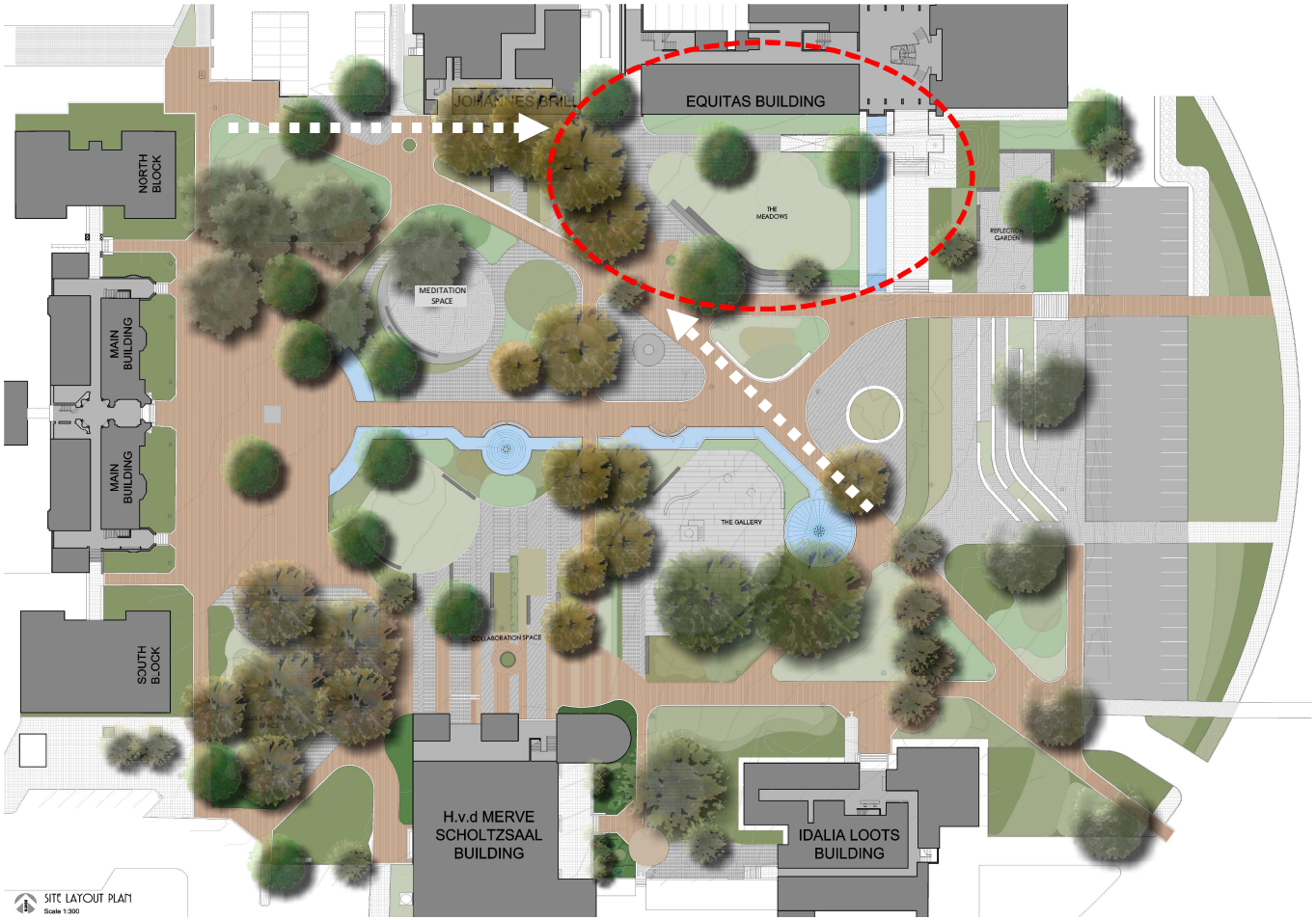
COLLABORATION SPACE

SMART PARK_ flexible urban landscape

GARDEN FUNCTION & FORM_Pocket 4

DESTUDIO

UFS UV



THE MEADOWS

CIRCULATION

GARDEN

POCKET OF PLANS: spatial design..

SMART PARK_ flexible urban landscape

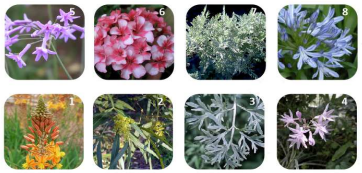
GARDEN FUNCTION & FORM_Pocket 4

DESTUDIO

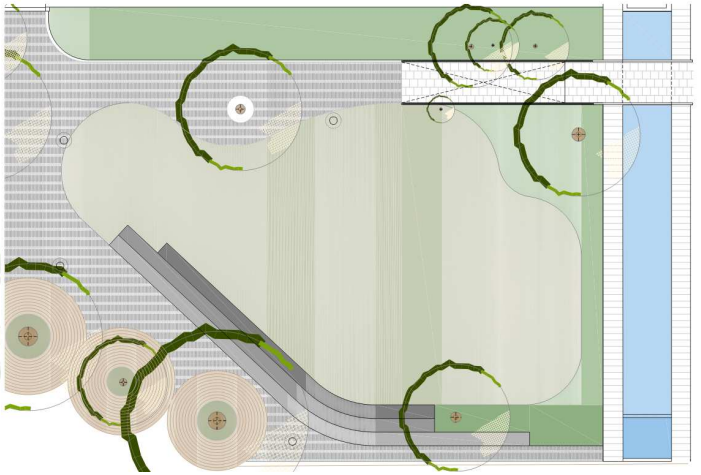
UFS UV

FRAGRANCE GARDEN:

1. Bulbine frutescens
2. Seasia lancea
3. Artemisia absinthium
4. Tulbaghia variegata
5. Tulbaghia violacea
6. Perlagonium sp.
7. Artemisia afra
8. Agapanthus africanus
9. Buddleja saligna



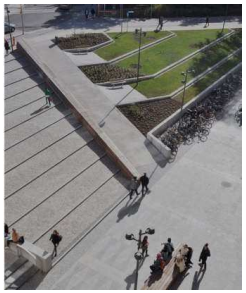
HIGHLIGHTED PLANTS FROM THE FRAGRANCE GARDEN:



SUCCULENT GARDEN

THE MEADOWS

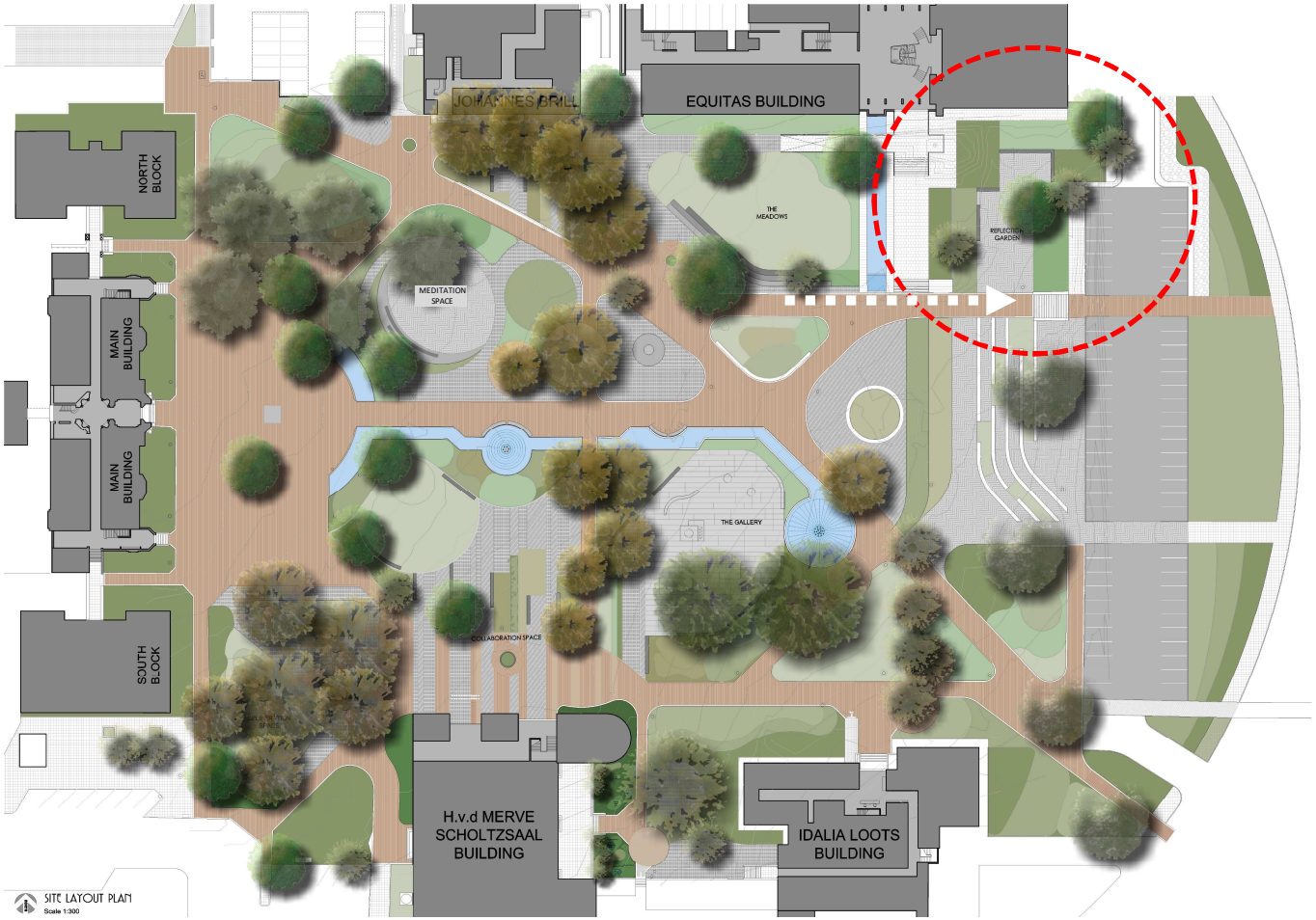
SMART PARK_ flexible urban landscape



GARDEN FUNCTION & FORM_Pocket 5

DESTUDIO

UFS UV



REFLECTION GARDEN

CIRCULATION

GARDEN

POCKET OF PLANS: spatial design..

SMART PARK_ flexible urban landscape

GARDEN FUNCTION & FORM_Pocket 5

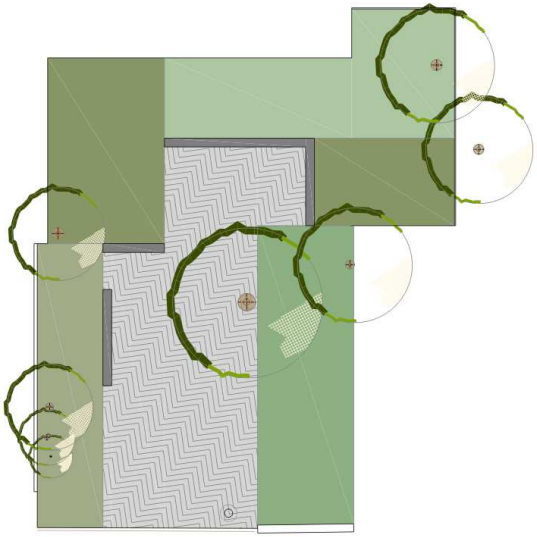
DESTUDIO

UFS UV

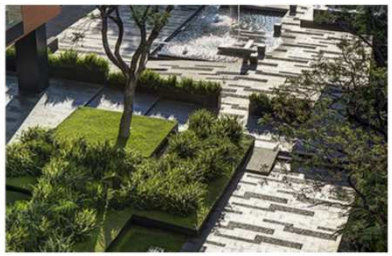
WATER-WISE GARDEN 3

1. Artemisia absinthium
2. Artemisia afra
3. Seasia lancea
4. Seasia pendulania
5. Melianthus comosus
6. Clivia miniata
7. freylinia tropica
8. Agapanthus praecox
9. Buddleja saligna
10. Combretum erythrophyllum
11. Aptenia cordifolia
12. Chrysanthemoides moniilifera
13. Bulbine frutescens
14. Euryops chrysanthemoides
15. Plectranthus 'Mona Lavender'
16. Tulbaghia violacea
17. Crinum bulbispermum
18. Crinum moorei
19. Dietes grandiflora
20. Osteospermum ecklonis
21. Plectranthus neochilus
22. Hypoestes aristata
23. Olea europaea subsp africana
24. Plectranthus ecklonii
25. Plectranthus saccatus
26. Carpobrotus edulis
27. Salvia africana-lutea
28. Leonotis leonurus

HIGHLIGHTED PLANTS FROM THE WATERWISE GARDEN:



COLLABORATION GARDEN



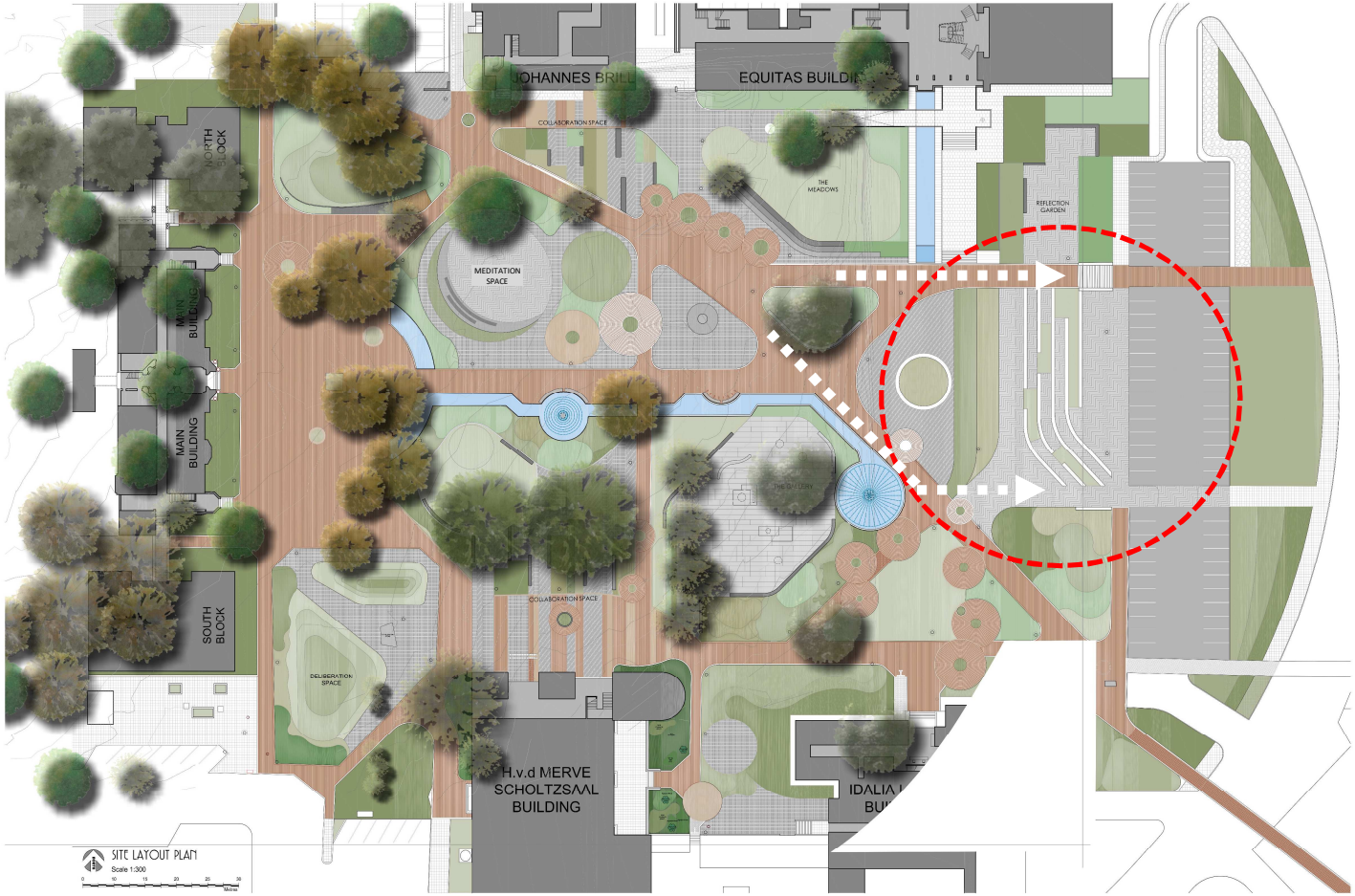
REFLECTION GARDEN

SMART PARK_ flexible urban landscape

GARDEN FUNCTION & FORM_Pocket 6

DESTUDIO

UFS UV



THE STAGE

CIRCULATION

GARDEN

POCKET OF PLANS: spatial design..

SMART PARK_ flexible urban landscape

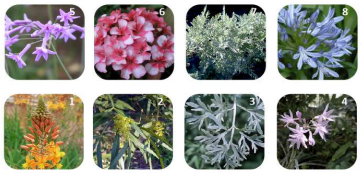
GARDEN FUNCTION & FORM_Pocket 6

DESTUDIO

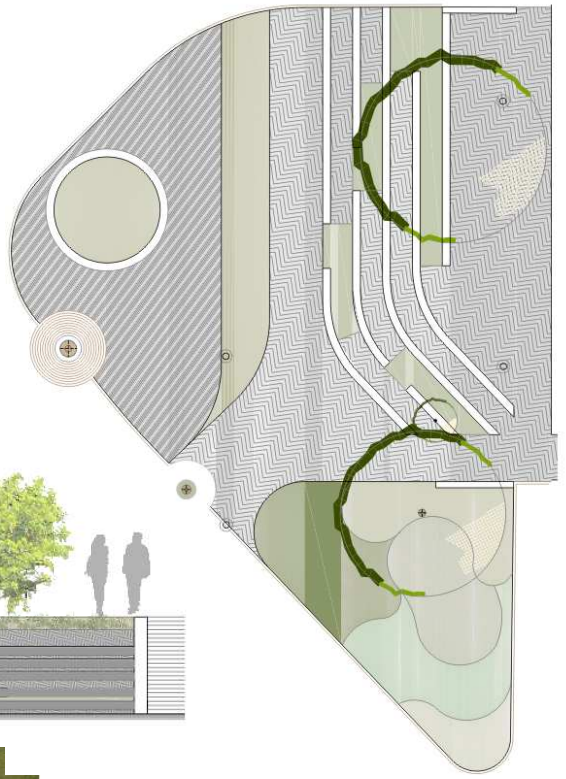
UFS UV

FRAGRANCE GARDEN:

1. Bulbine frutescens
2. Seasia lancea
3. Artemisia absinthium
4. Tulbaghia variegata
5. Tulbaghia violacea
6. Perlagonium sp.
7. Artemisia afra
8. Agapanthus africanus
9. Buddleja saligna



HIGHLIGHTED PLANTS FROM THE FRAGRANCE GARDEN:



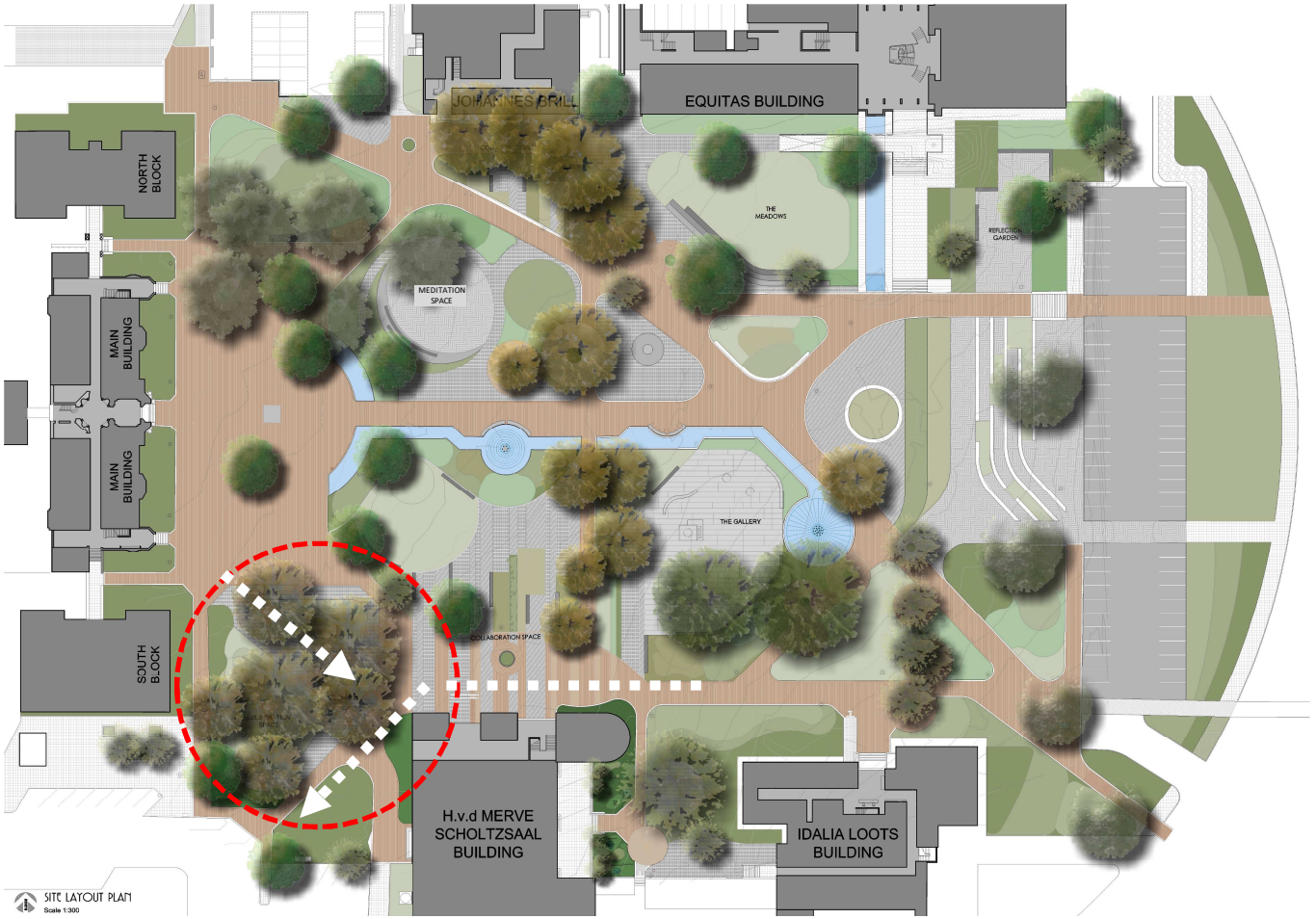
THE STAGE

SMART PARK_ flexible urban landscape

GARDEN FUNCTION & FORM_Pocket 10

DESTUDIO

UFS UV



DELIBERATION SPACE

CIRCULATION

GARDEN

POCKET OF PLANS: spatial design..

SMART PARK_ flexible urban landscape

GARDEN FUNCTION & FORM_Pocket 10

DESTUDIO

UFS UV

GRASS GARDEN:

1. Calamagrostis ×acutiflora Feather weed
2. Festuca mairei
3. Strelitzia grass

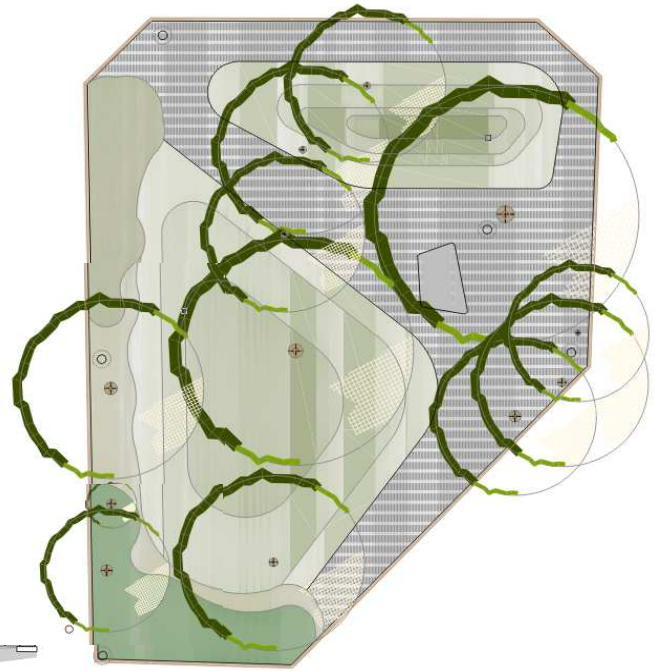
FRAGRANCE GARDEN:

1. Bulbine frutescens
2. Seasia lancea
3. Artemisia absinthium
4. Tulbaghia variegata
5. Tulbaghia violacea
6. Perlaginium sp.
7. Artemisia afra
8. Agapanthus africanus
9. Buddleja saligna

HIGHLIGHTED PLANTS FROM THE GRASS GARDEN:

HIGHLIGHTED PLANTS FROM THE FRAGRANCE GARDEN:

GRASS HILLS



WATER-WISE GARDEN 3

1. Artemisia absinthium
2. Artemisia afra
3. Seasia lancea
4. Seasia pendulania
5. Melianthus comosus
6. Clivia miniata
7. freylinia tropica
8. Agapanthus praecox
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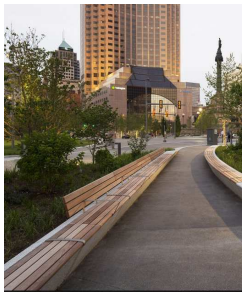
25. Plectranthus saccatus
26. Carpobrotus edulis
27. Salvia africana-lutea
28. Leonotis leonurus

DELIBERATION SPACE

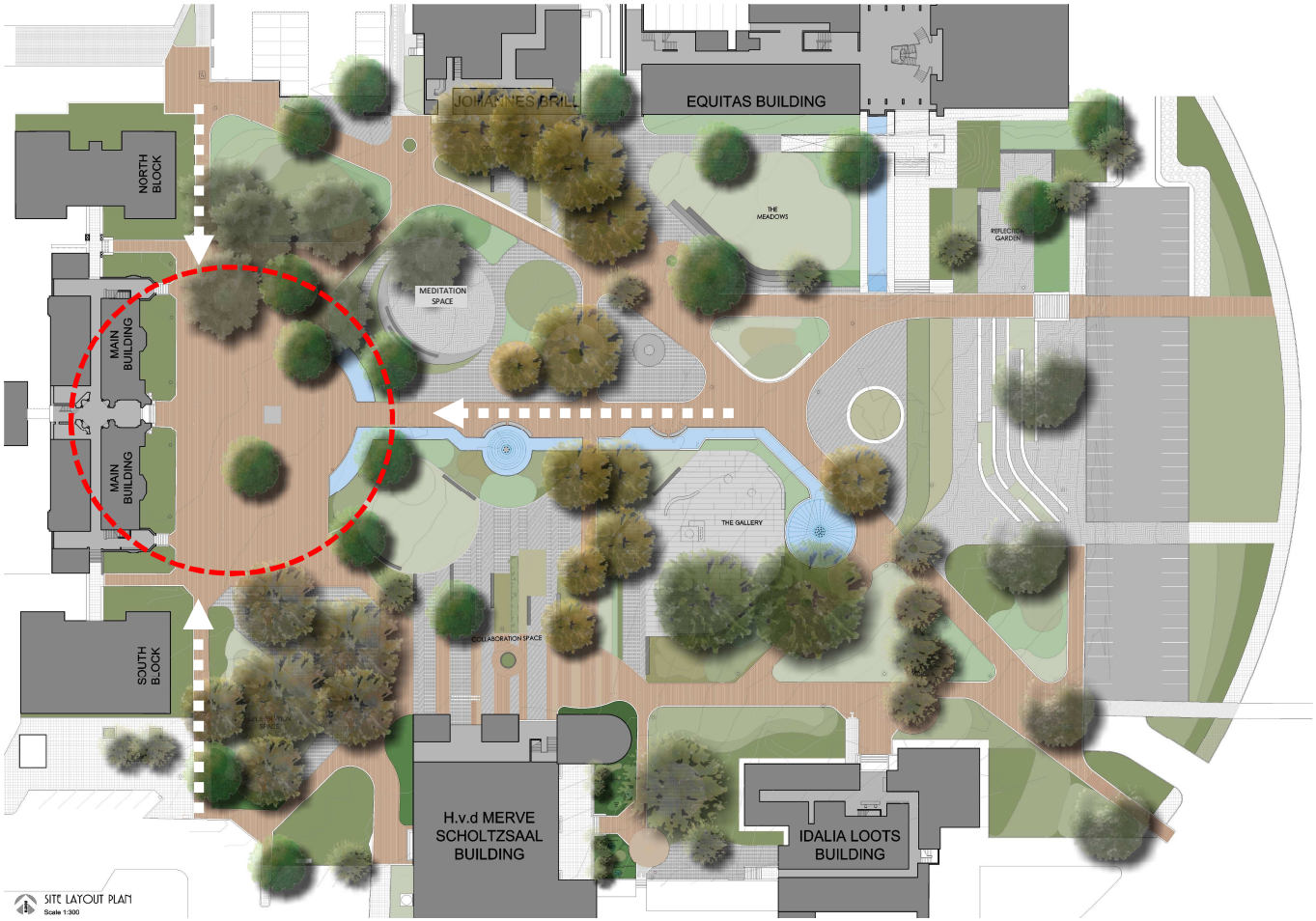
SMART PARK_ flexible urban landscape



GARDEN FUNCTION & FORM_Pocket 13

DESTUDIO

UFS UV



THE SQUARE

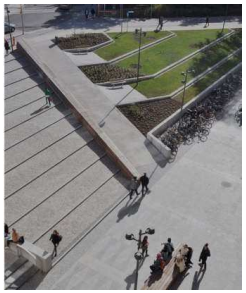
CIRCULATION

SQUARE

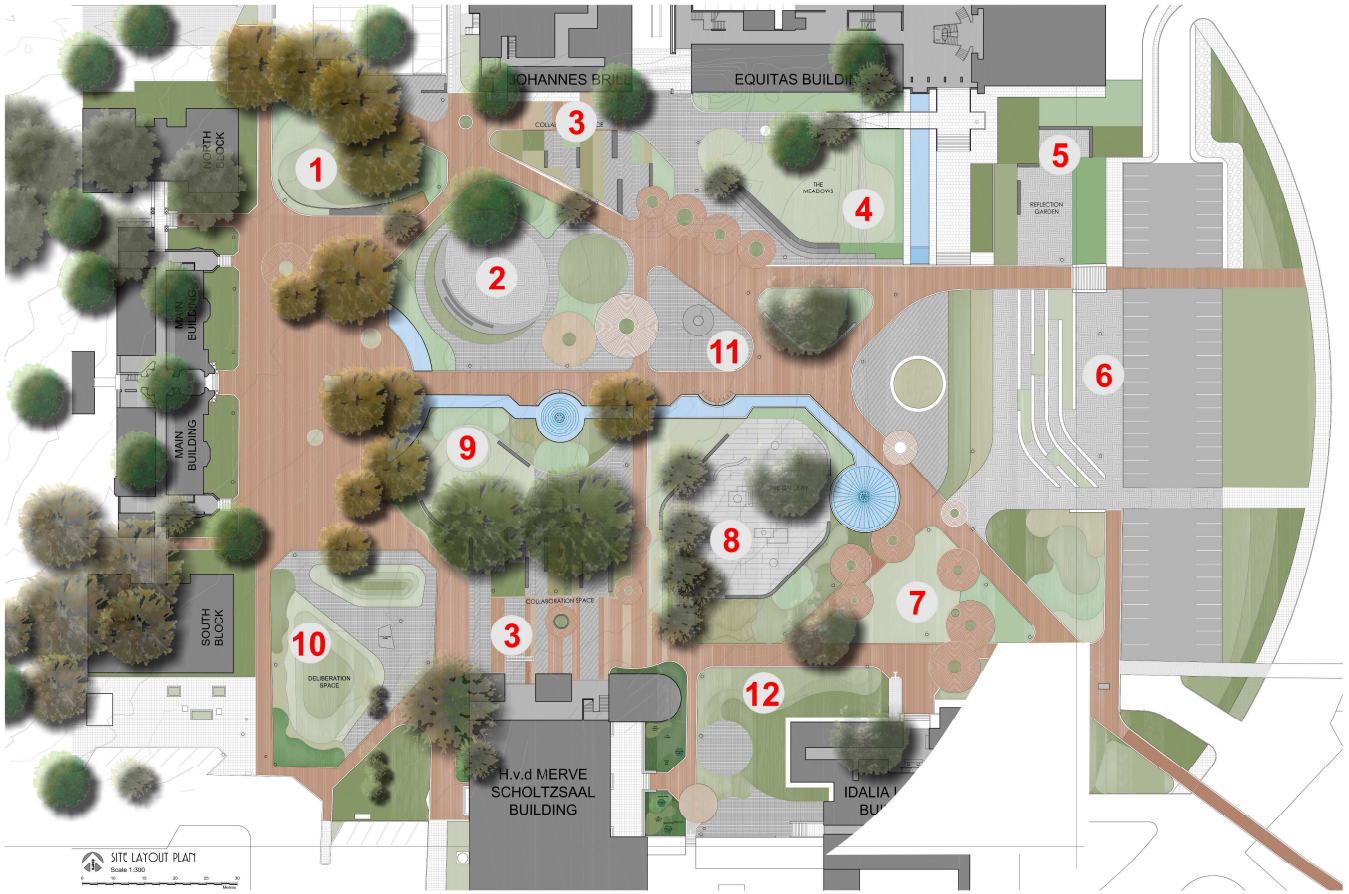
Central square created by:

- arrangement of mature Karee tree canopies that provide shade
- New design will provide light and reflect to the dynamic scenes of square

POCKET OF PLANS: spatial design..



SMART PARK_flexable urban landscape



1 ROCK GARDEN

2 MEDITATION SPACE

3 COLLABORATION SPACE

4 THE MEADOWS

5 REFLECTION GARDEN

6 AMPHI THEATRE

7 PICNIC SPACE

8 THE GALLERY

9 THE PARK

10 DELIBERATION SPACE

11 MEMORIAL

12 OFFICE GARDEN

DESTUDIO

POCKET OF PLANS: spatial design..