



DOCUMENT CONTROL

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Document Status

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SITE ANALYSIS

CONTEXT & ECOLOGICAL CORRIDOR

LEGEND

-  SITE BOUNDARY
-  ECOLOGICAL LINKS

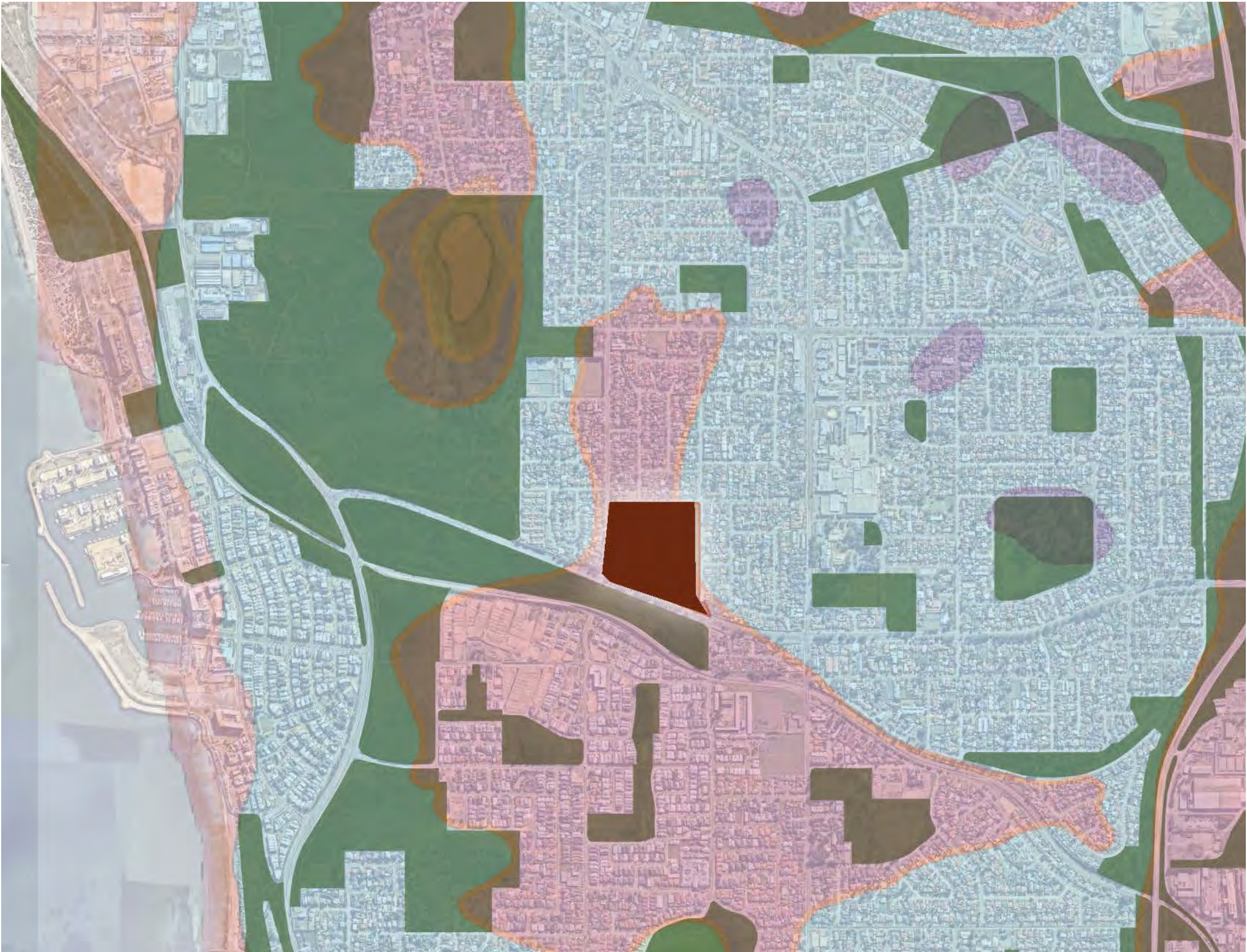


SOILS & VEGETATION

- The site sits as part of the Cottesloe vegetation complex, a woodland / open forest (10-30m tall) with closed heath
- Key species *jarrah*, *marri* and *wandoo*. *Eucalyptus marginata*, *Corymbia calophylla*, *Eucalyptus wandoo*.
- LIMESTONE - light, yellowish brown, fine to coarse-grained, sub-angular to well rounded, quartz, trace of feldspar, shell debris, variably lithified, surface kankar, of eolian origin. Minor heavy minerals.
- SAND - pale and olive yellow, medium to coarse-grained, sub-angular to sub-rounded quartz, trace of feldspar, moderately sorted, of residual origin

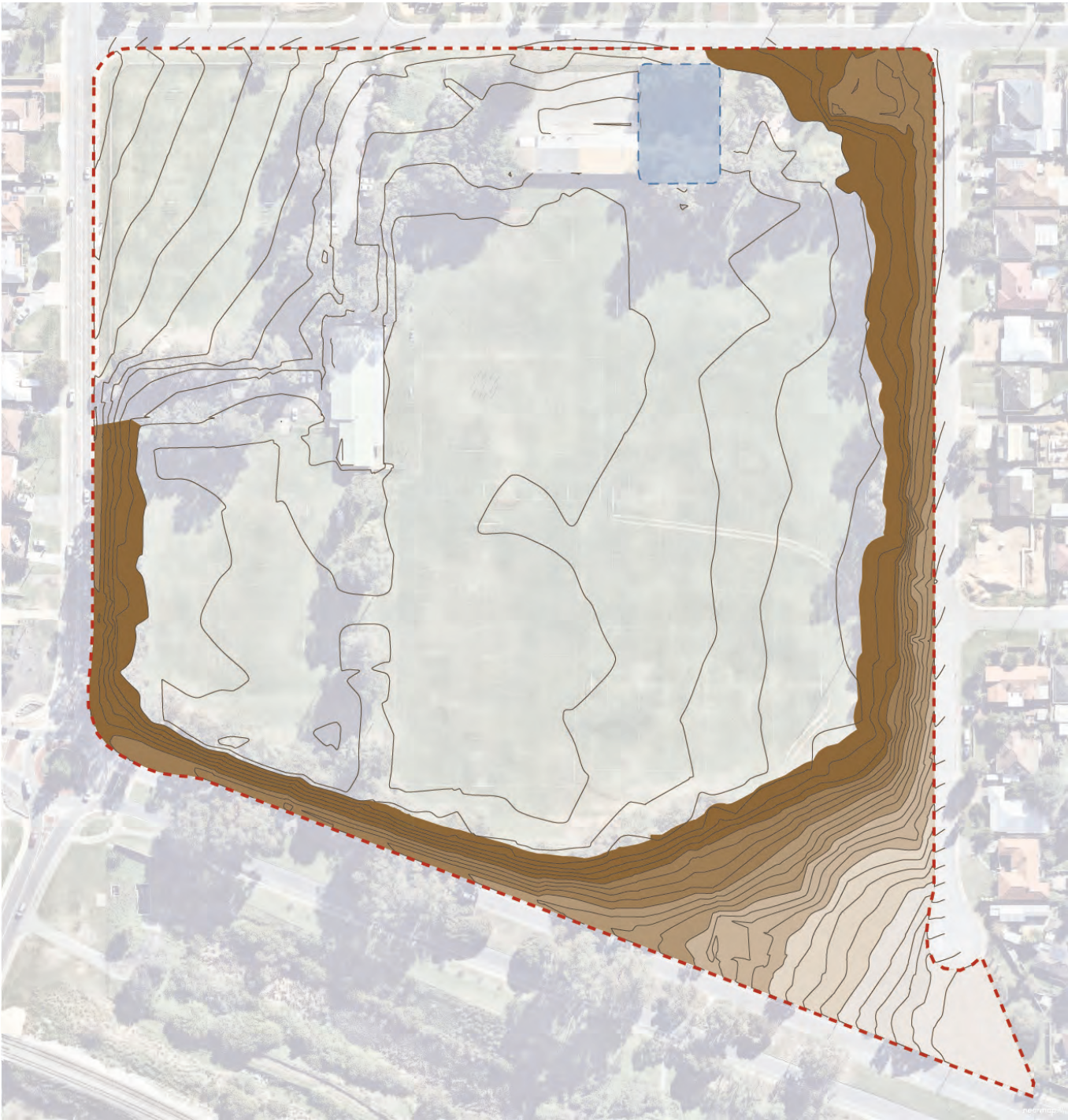
LEGEND

- SITE BOUNDARY
- ECOLOGICAL LINKS



KEY DESIGN CONSIDERATIONS

EXISTING CONTOURS



LEGEND

- | | | | |
|---|---------------|---|----------|
|  | SITE BOUNDARY |  | LANDFORM |
|  | CONTOURS |  | SUMP |

EXISTING TREES



LEGEND

-  SITE BOUNDARY
-  TREE PROTECTION ZONE (TPZ)
-  TREE CANOPY

SITE PHOTOS



EXISTING FEATURES

LEGEND

- 1 CARPARKS
 - 2 COCKBURN CITY SOCCER CLUB
 - 3 TRAINING SHIP COCKBURN BUILDING AND CARPARK
 - 4 FENCED SUMP
 - 5 PLAYGROUND
 - 6 FIELD OF POPPIES MEMORIAL
- SITE BOUNDARY
- EXISTING FIELD



POTENTIAL PLAYING FIELD
OPPORTUNITIES

LEGEND

-  SITE BOUNDARY
-  CONSTRAINT ZONE - MINIMAL DISTURBANCE
-  CONSTRAINT ZONE - STRATEGIC DISTURBANCE
-  OPEN SPACE - IDEAL FIELD AREAS



FIELD LAYOUT

EXISTING FIELD LAYOUT



LEGEND

-  SITE BOUNDARY
 CONSTRAINT ZONE - MINIMAL DISTURBANCE
 CONSTRAINT ZONE - STRATEGIC DISTURBANCE
 EXISTING FIELDS

PROPOSED FIELD LAYOUT

LEGEND

-  SITE BOUNDARY
-  CONSTRAINT ZONE - MINIMAL DISTURBANCE
-  CONSTRAINT ZONE - STRATEGIC DISTURBANCE
-  PLAYING FIELD AREA
-  PROPOSED SENIOR/NPL JUNIOR FOOTBALL FIELD
-  PROPOSED FOOTBALL FIELD
-  PROPOSED MINIROOS FOOTBALL FIELD
-  PROPOSED BUILDING FOOTPRINT
-  PROPOSED VIEWING TERRACES
-  PROPOSED CARPARK FOOTPRINT
-  PROPOSED PLAYGROUND



DESIGN PRINCIPLES AND CONSIDERATIONS



ACCESS, INCLUSION AND AMENITY

- Clearly defined entry points
- Path network caters to multiple user types - walking, cycling, prams, wheelchairs, etc.
- Universal access design to be considered and provided for in all aspects of the design wherever possible
- Integrated and connected hierarchy of spaces within the site
- Retention of their 'natural feel'
- Incorporate amenities for improved site activation (toilet, shelters, picnic facilities, parking, drink fountains, etc.)
- Create a coordinated and consistent signage strategy for directional, interpretive, information



HEALTH, ACTIVITY AND SPORT

- Promotion of the precinct as a place of sport, exercise, and fitness for all ages
- Rationalise and upgrade existing playing fields improving key elements such as lighting, drainage, and irrigation which will allow these sporting amenities to serve the community into the future
- Defined trails and fitness routes with signage and line markings for walkers and runners
- Provide amenities that support the sporting programs on-site, including sheltered viewing areas, drink fountains etc.



PLAY

- The Inclusion of a high-quality play space offering a broad range of play experiences, including physical, imaginative, and sensory
- Consideration of play for all ages, from toddlers through to teenagers
- Equipment should provide a level of risk and exploration to challenge individual users
- Universal access and equipment for a range of abilities to be provided
- Combination of prefabricated and custom play equipment ensuring a wide variety of play experiences are provided
- The custom equipment will be unique to this location and reflective of the sites culture and environment
- Consideration will be given to parents and carers supervising children within the playspace



ENVIRONMENT AND ENGAGEMENT

- Revegetate understory with local endemic native species to enhance ecology
- Provide additional habitat features to improve the ecology of the site
- Celebrate landscape values by defining a clear interpretative strategy that provides clear educational information
- Discovery of the site cultural history from pre-settlement to now celebrating its rich history and diversity



SAFETY

- All designs will follow the requirements of the Occupational Safety and Health Act and CPTED (Crime prevention through environmental design) principles
- Open sight lines for passive surveillance across the site
- Assess the need for fencing in key areas
- Consider lighting, sightlines, night-time activation to enhance community safety



SUSTAINABILITY

- Efficient and sustainable use of resources in the context of the overall design, materials selection, sourcing (e.g., avoiding long haul delivery were feasible) etc.
- All finishes and furniture will be designed to be contemporary, with durability and sustainability in mind
- Apply WSUD (Water-sensitive urban design) principles to wetlands and other water retention areas on site
- A net reduction in water used for irrigation with an aspirational 25% reduction target set
- Use runoff for passive irrigation
- Localised infiltration of stormwater
- Investigation of energy-saving approaches, including solar power for facilities



PLANTING DESIGNS

- Develop the planting pallet that supports the City's biodiversity strategy outcomes
- Appropriate mixes of native endemic plantings will be used across the site
- The plant palette will be split between amenity areas and key interfaces between parkland and the carparks



COMMUNITY

- Provide a place for the local community to recreate
- Provide a diverse range of spaces and places that encourage community engagement and social opportunities
- Use the park as an opportunity to improve mental and physical health and well being of the community
- Encourage community events and activities
- Celebrate the suburbs rich history and cultural diversity
- Use the park as a place for learning and positivity

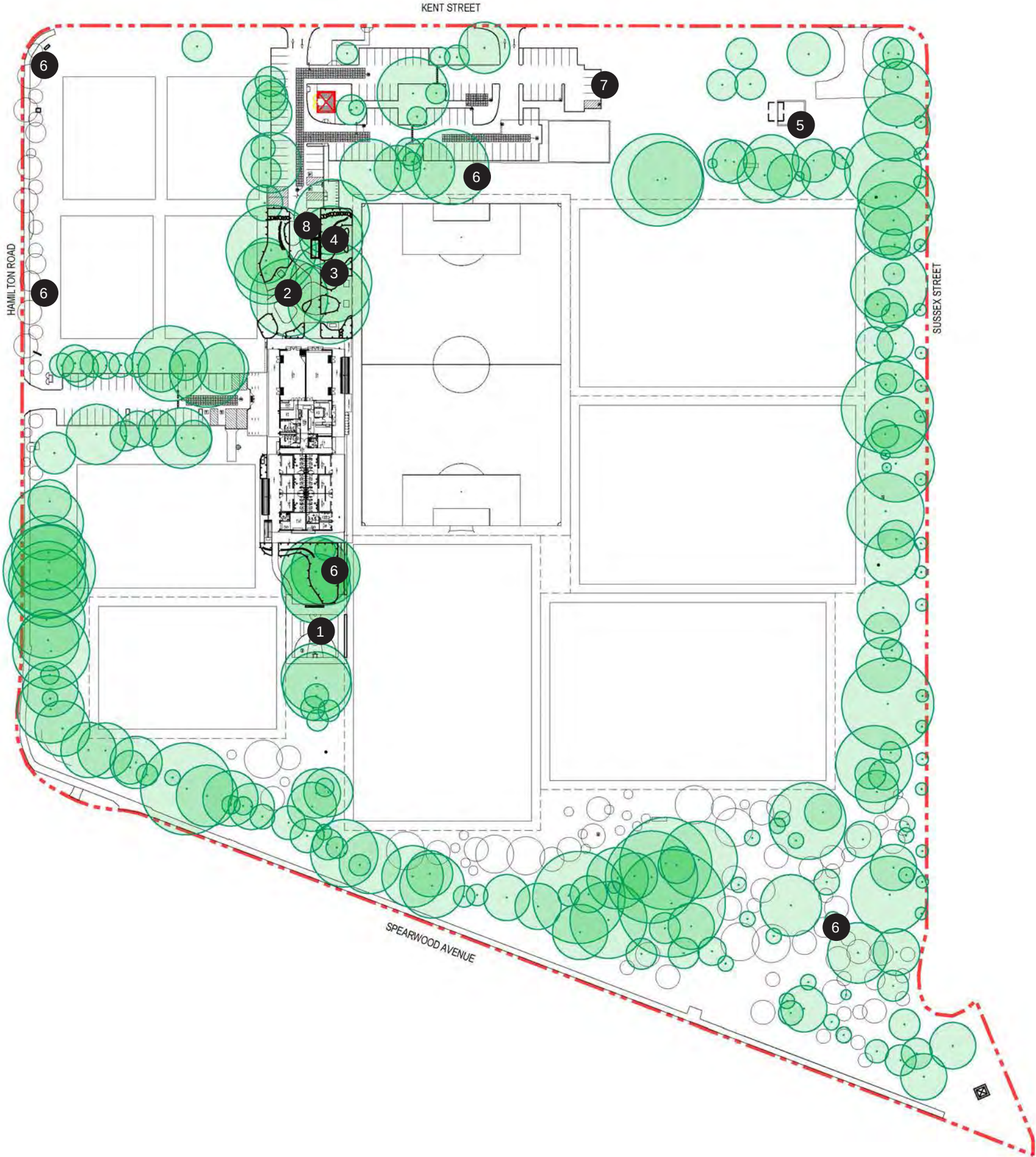
SCHEMATIC ACTIVATION LOCATIONS

LANDSCAPE LEGEND

- 1 MULTI-SPORT YOUTH SPACE WITH HALF COURT BASKETBALL RING / SOCCER GOAL AND GROUND PLANE MARKINGS
- 2 PLAY SPACE WITH SOFTFALL
- 3 AMENITY AREA - FORMAL SEATING AND BBQS
- 4 ART INSTALLATIONS WITHIN THE LANDSCAPE
- 5 OUTDOOR EXERCISE STATION
- 6 PLANTING OF SUPPLEMENTARY ENDEMIC SPECIES
- 7 CARPARK PLANTING - WATERWISE / ENDEMIC TREES AND SMALL SHRUBS
- 8 ENTRY PLAZA WITH SPACE FOR FOOD TRUCKS
-  EXISTING TREE TO BE RETAINED



Scale 1:1500 @ A3





Wheelchair Parking (Img: locallove.ca)



Interactive Signage (Img: pinterest.com)



Nature Play (Img: Rob Frith)



Bird Box (Img: Mandy Bamford)



Art installation (Img: moool.com)



Bird Watering Station (Img: City of South Perth)



DDA Drink Fountain with dog bowl (Img: Grillex)



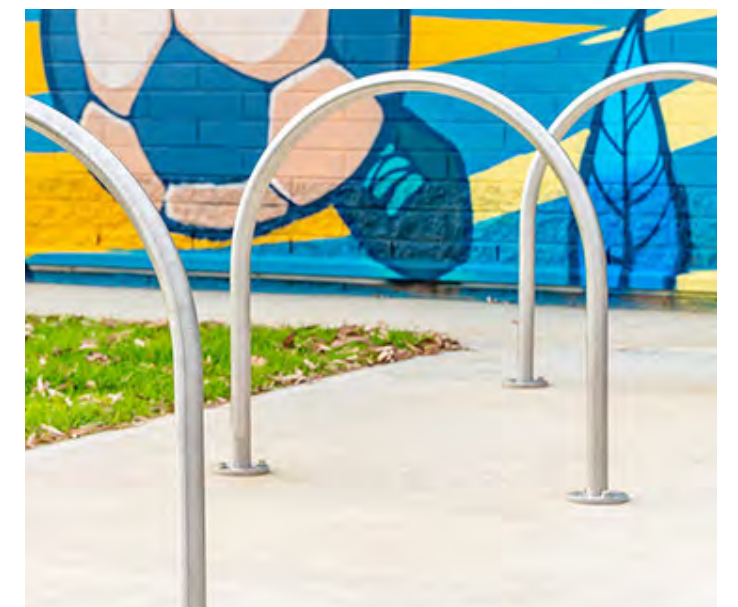
Fitness Equipment (Img: Kompan)



Logs and planting as informal barrier (Img: Morgan Gillham)

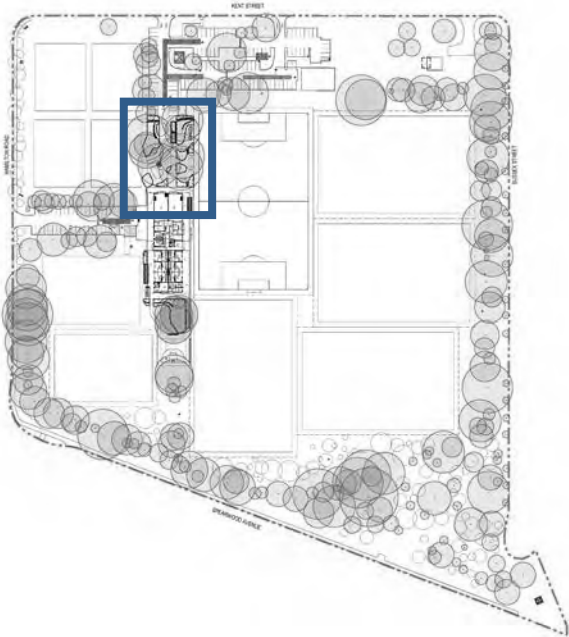


Playground (Img: Earthscape)



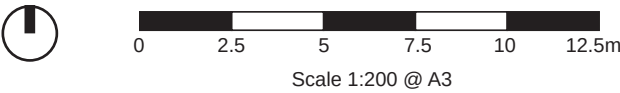
Bicycle Parking (Img: Street Furniture Australia)

NORTHERN PLAYSPACE CONCEPT

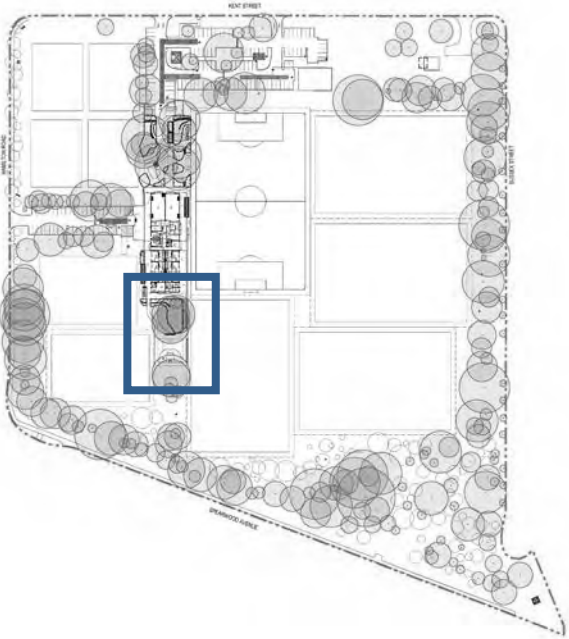


LEGEND

- 1 ENTRY PLAZA WITH SEATING AND SPACE FOR FOOD TRUCKS. INSITU CONCRETE SURFACE
- 2 PLAYSPACE AREA - A VARIETY OF PLAY ELEMENTS WITH RUBBER SOFTFALL
- 3 ART ELEMENTS - BESPOKE SEATING AND VERTICAL ELEMENTS BY ARTIST
- 4 AMENITY AREA FACING MAIN PITCH - TABLES, SEATING WITH DDA COMPLIANT BBQ WITH STABILISED GRAVEL FINES SURFACE
- 5 INFORMAL NATURE OBSTACLE COURSE
- 6 NATIVE MULCHED GARDEN BEDS AROUND EXISTING TREES
- 7 INFORMAL STEPPING STONE PATHS

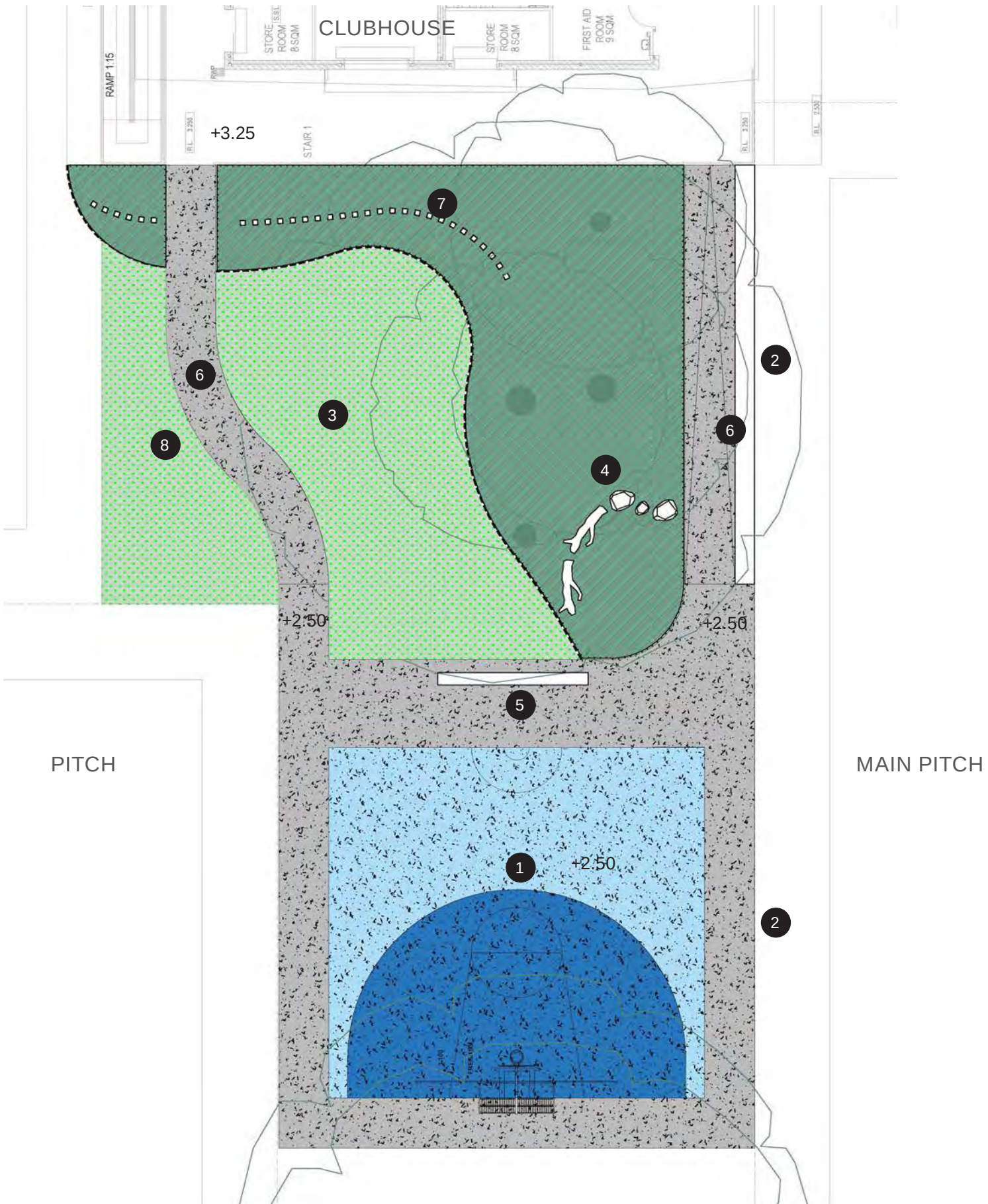
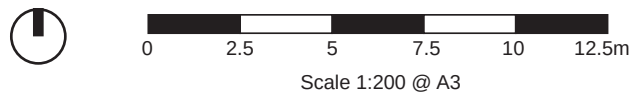


SOUTHERN COURT CONCEPT



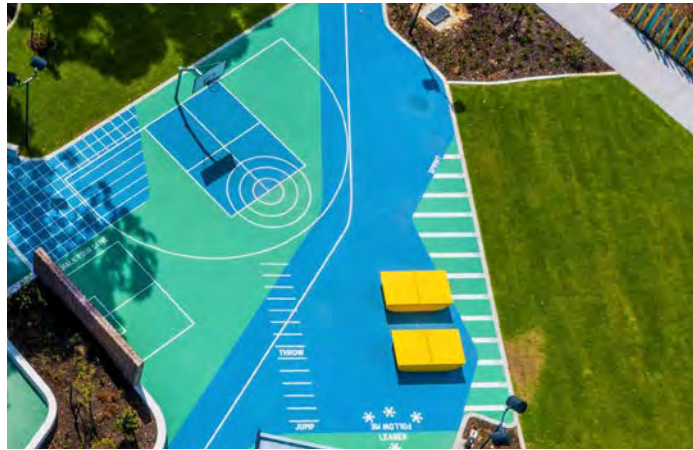
LEGEND

- 1 HALF BASKETBALL COURT WITH BASKETBALL RING AND SOCCER GOAL
- 2 SEATING WALL FACING MAIN PITCH
- 3 SLOPING LAWN
- 4 NATIVE MULCHED GARDEN BED AROUND EXISTING TREES
- 5 SEATING WALL
- 6 1:21 WALKWAY DOWN TO COURTS
- 7 VERTICAL ELEMENTS BY ARTIST
- 8 LAWN TO SLOPE UP TO WALKWAY



YOUTH SPACE

- Compact, multi-programmable hard space
- Opportunity for ground plane to incorporate public art elements
- Can thematically link to soccer



Compact hardcourt space (Img: MG Group)



Ground plane activation (Img: Andrew Lloyd)



Multisport (Img: Kompan)

NATURE PLAY

- Making use of existing trees
- Utilising cut logs from onsite felled trees
- Diversifies play space & demographics as part of pos



Nature play stepping logs (Img: JBA)



Nature play netting (Img: JBA)



Nature play timber logs (Img: JBA)

BIODIVERSITY AWARENESS

- Several habitat nodes as part of the Southern Playspace, including habitat logs, insect hotels, bird waterers and interpretive signage
- Public art & interpretive opportunities at selected trees / nodes



Insect hotel (Img: JBA)



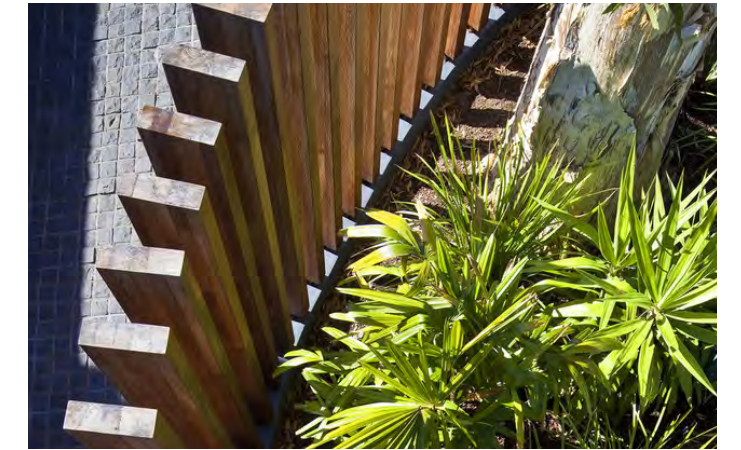
Bird waterer (Img: Town of Vic Park)



Bird Box (Img: Mandy Bamford)

HANDLES COMPETING USES

- Several edge typologies to help define the different spaces, and to help contain the potentially competing ball sports during peak usage times
- Serves multiple functions (advertising for club, habitat, informal play)



Vertical elements (Img: Karl Bleath)



BBQs (Img: Mirvac)



Painted totem poles as informal barriers (Img: World Landscape Architecture)

PLANTING

Design approach

- The plant palette selection recommends native plants to reflect the natural setting. The site sits as part of the Cottesloe vegetation complex, and the species contained on the following pages are a celebration of the diversity and colour found as part of this complex.
- Given the amount of shade afforded by the established trees onsite, a cross section of species that are shade tolerant have been included.
- As part of CPTED design considerations, the maintenance of visual sightlines in certain areas should be prioritised. As a result, in these areas a range of hardy ground covers and low lying shrubs should be chosen.
- The ground water table is close to the surface throughout the site, as evidenced by the presence of many large tree roots close to the surface. Planting within the tree protection zone (TPZ) of existing trees involves considered use of both mulch and prostrate species, in order to avoid unnecessary disturbance to existing tree roots.

TREES

Banksia attenuata



Banksia grandis



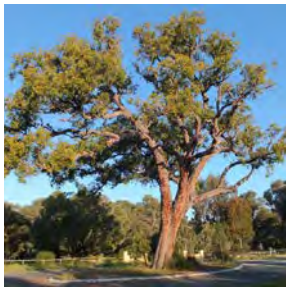
Banksia menziesii



Euc decipiens



Eucalyptus marginata



Eucalyptus tottiana



SHRUBS & STRAPPY PLANTS

Acacia lasiocarpa prostrate



Adenanthos cuneatus



Anigozanthos humilis



Atriplex cinerea



Conostylis aculeata



Eremophila glabra



Dianella revoluta



Gastrolobium capitalum



Ficinia nodosa



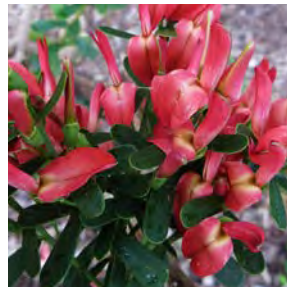
Lepidosperma gladiatum



Olearia axillaris mini PBR



Templetonia retusa



GROUNDCOVERS

Acacia saligna prostrate



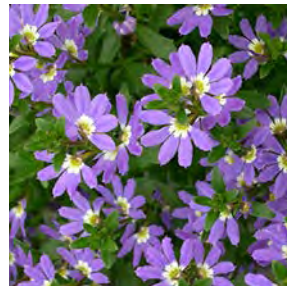
Kennedia prostrata



Grevillea obtusifolia



Scaevola sp.(prostrate form)



Hemiandra pungens



Myoporum insulare prostrate



Plant images sourced from JBA, friendsofqueensparkbushland.org.au & Florabase.dpaw.wa.gov.au

PLANT SCHEDULE

Client: City of Cockburn
Project: Beale Park Redevelopment
Location: Spearwood Ave, Spearwood
Date: May-23
Rev: A
Author: TD
Reviewed by: PV



This site lies within the Cottesloe Vegetation complex.

The Beale Park Redevelopment site lies within the Cottesloe Central and South Vegetation complex (CCS) - Mosaic of woodland of Euc. Gomphocephala (Tuart) - E. marginata (Jarrah) - Corymbia calophylla (Marri), closed heath on the limestone outcrops (Heddlé et al. 1980)

			MIX DETAILS				
KEY	GENUS / SPECIES / CULTIVAR	COMMON NAME	HEIGHT (m)	WIDTH (m)	POT	PLANT IN GROUPS OF	DENSITY PER M2
PLANT MIX 1 - SOUTHERN PLAYSPACE							
SHRUBS - MIX 1							
Bni	Banksia nivea	Couch Honeypot	0.5	0.5	Tubestock	3	3
Eni	Eremophila glabra (upright)	Tar Bush	1	1	Tubestock	1	3
Pfe	Pimelea ferruginea	Pink Rice Flower	0.7	0.7	tube	1	3
Wfr	Westringia fruticosa 'grey box'	Coastal Rosemary	1	1	140mm	1	3
STRAPPY LEAVED - MIX 1							
Fno	Ficinia Nodosa	Knobby Club Rush	0.7	0.7	Tubestock	1	3
Lli	Lomandra 'Lime Tuff'	Matt Rush	0.5	0.5	140mm	5	5
Lta	Lomandra 'LM300 Tanika'	Matt Rush	0.5	0.5	140mm	5	5
GROUNDCOVERS - MIX 1							
Acu	Adenanthos cuneata 'Coral Carpet'	Basket flower	0.4	0.4	130mm	5	5
Ero	Eremophila glabra 'Roseworthy'	Emu Bush Roseworthy	0.3	1	140mm	3	3
Min	Myoporum insulare prostrate	Creeping boobialla	0.3	1.2	130mm	3	3
Wbu	Westringia 'Bulli Coastal Creep'	Coastal Rosemary	0.4	1	140mm	3	3
TOTAL							
PLANT MIX 2 -SOUTHERN PLAYSPACE (STRAPPY LEAVED AND GROUND COVERS)							
STRAPPY LEAVED - MIX 2							
Cca	Conostylis candicans	Grey Cottonhead	0.4	0.4	Tubestock	5	5
Lli	Lomandra 'Lime Tuff'	Matt Rush	0.5	0.5	140mm	5	5
Lta	Lomandra 'LM300 Tanika'	Matt Rush	0.5	0.5	140mm	3	5
GROUNDCOVERS - MIX 2							
Ebl	Eremophila glabra 'Blue Horizon'	Emu Bush Blue Horizon	0.3	1	Tubestock	3	3
Min	Myoporum insulare prostrate	Creeping boobialla	0.3	1.2	130mm	3	3
Wbu	Westringia 'Bulli Coastal Creep'	Coastal Rosemary	0.4	1	140mm	3	3

KEY	GENUS / SPECIES / CULTIVAR	COMMON NAME	HEIGHT (m)	WIDTH (m)	POT	PLANT IN GROUPS OF	DENSITY PER M2
PLANT MIX 3 - CARPARK / ROAD INTERFACE (SHRUBS AND STRAPPY LEAVED)							
SHRUBS - MIX 3							
Abu	<i>Alyxia buxifolia</i>	Dysentery Bush	1.0	1.5	tube	1	1
Aho	<i>Acacia howittii</i> 'Honey Bun'	Sticky Wattle	1	1	Tubestock	1	1
Egl	<i>Eremophila glabra</i> (upright)	Tar Bush	1	1	Tubestock	3	3
Gle	<i>Guichenotia ledifolia</i>		0.4	0.5	Tubestock	3	3
Ogh	<i>Olearia</i> 'ghost town'	Coastal Daisy	0.5	1	Tubestock	3	3
Pfe	<i>Pimelea ferruginea</i>	Pink Rice Flower	0.7	0.7	tube	3	3
Rba	<i>Rhagodia baccata</i>	Berry Saltbush	1.2	1.2	Tubestock	1	1
Tre	<i>Templetonia retusa</i>	Cockies Tongue	1.5	1	Tubestock	1	3
STRAPPY LEAVED - MIX 3							
Cca	<i>Conostylis candicans</i>	Grey Cottonhead	0.4	0.4	Tubestock	5	5
Dcl	<i>Dianella</i> 'Clarity Blue'	Blue Flax Lilly	0.6	0.5	140mm	5	3
Fno	<i>Ficinia Nodosa</i>	Knobby Club rush	0.7	0.6	Tubestock	3	3
Lka	<i>Lomandra</i> 'Katrinus Delux'	Matt Rush	0.7	0.7	140mm	3	3
Lli	<i>Lomandra</i> 'Lime Tuff'	Matt Rush	0.5	0.5	140mm	5	5
TOTAL							
PLANT MIX 4 - CARPARK / ROAD INTERFACE (LOW SHRUBS AND GROUNDCOVERS)							
SHRUBS - MIX 4							
Ogh	<i>Olearia</i> 'ghost town'	Coastal Daisy	0.5	1	Tubestock	3	3
Pfe	<i>Pimelea ferruginea</i>	Pink Rice Flower	0.7	0.7	tube	3	3
Wfr	<i>Westringia fruticosa</i> 'grey box'	Coastal Rosemary	1	1	140mm	1	3
GROUNDCOVERS - MIX 4							
Ala	<i>Acacia lasiocarpa prostrate</i>	Prickly Moses	0.5	0.7	Tubestock	3	3
Eka	<i>Eremophila glabra</i> 'Kalbarri Carpet'	Tar Bush	0.3	1	Tubestock	3	3
Hpu	<i>Hemiandra pungens</i>	Snake Bush	0.3	1	Tubestock	3	3
Kpr	<i>Kennedia prostrata</i>	Running Postman	0.1	1	Tubestock	3	3
Min	<i>Myoporum insulare prostrate</i>	Creeping Boobialla	0.3	1.2	Tubestock	3	3
Wbu	<i>Westringia</i> 'Bulli Coastal Creep'	Coastal Rosemary	0.4	1	Tubestock	3	3
TOTAL							
PLANT MIX 5 - CARPARK / ROAD INTERFACE (LOW STRAPPY LEAVED)							
STRAPPY LEAVED - MIX 5							
Cca	<i>Conostylis candicans</i>	Grey Cottonhead	0.4	0.4	Tubestock	5	3
Lli	<i>Lomandra</i> 'Lime Tuff'	Matt Rush	0.5	0.5	140mm	5	5



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