

## 10 OPEN SPACE STRATEGY

### OS1. INCLUSIVE DISTRICT PARK AND PLAY SPACE

Centrally located and strategically positioned within the proposed urban design Master Plan, OS1 is adjacent to the linear riparian corridor and the medium density dwellings that fringe the riparian corridor. This park functions as a district level park with a high level of recreational activities and internal passive spaces for family gathering.

The surrounding medium density blocks provide ample passive surveillance as they overlook the park. The surrounding streets will provide a pedestrian focus to the streetscape and connectivity to main active transport route through the development.

The park is approximately 0.5ha in size and provides a series of spaces for high level active recreation and inclusive children's' play in a more contemporary urban parkland context. Tree and understory planting should be responsive to the more internalised view corridors to open space 5.



Images indicative only of potential landscape character and equipment



#### **It is anticipated that the Inclusive District Park and Play Space will consist of:**

- Fenced 0.16ha district 'inclusive' play space incorporating elements for a variety of ages and abilities. High quality interactive play structures, mounding with scrambling nets, climbing walls and other equipment
- Splash play area (90sqm) with inground bubblers
- 0.34ha passive open space and garden
- Terraced lawns to increase usability of passive spaces in sloped areas
- Accessible furniture including picnic settings, seats with backs and accessible barbecues and bubblers.
- Accessible amenities building (size TBC by council)
- Shared path continuing a green link beyond the park leading to the local centre and the adjoining green spaces
- Shared path bridge connection over the riparian corridor to connect with OS5 facilities cycle way network and indirectly link with wider open space network
- Semi-open canopy trees and structures (shelters and sails) to provide filtered shade and amenity
- Tree and under storey planting is to comply with CPTED principles
- Planting of endemic native species
- Low maintenance, robust plant species and finishes.



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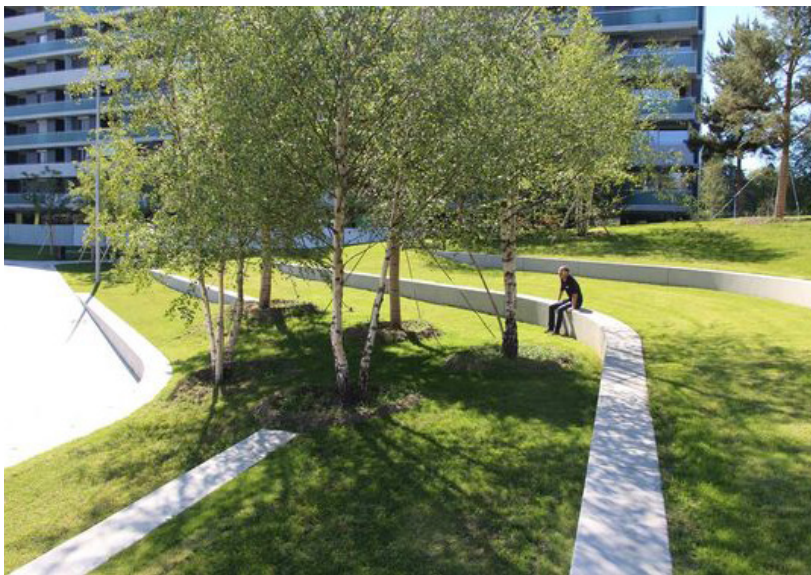


Figure 16 OS1 Concept Plan

## OS2. OPEN SPACE PICNIC PARK

This park is located on the north-west facing slope of the main east west ridge line of the site. This park could function as an active local park with high level play spaces for children aging from 6-12yo.

The park is approximately 0.6ha in size and provides space for a sequence of differing park uses based on the topography. The site is gently sloping to the west and therefore the park offers easily accessible open grass areas as well as capabilities to include shelter structures and seating facilities.



Images indicative only of potential landscape character



### **It is anticipated that the Open Space Picnic Park may consist of:**

- Fenced 0.6ha passive open space and garden
- Fenced 6-12yo children's playground with interactive play elements. Play feature to be 110m2 in offering
- Terraced lawns to increase usability of passive spaces in sloped areas
- Accessible path network
- Paved area with park furniture including a shelter with seats, bubbler and seating walls
- Semi-open canopy trees and structured planting to provide filtered shade and visual amenity
- Tree and under storey planting is to comply with CPTED principles
- Low maintenance, robust plant species and finishes





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Figure 17 OS2 Concept Plan



### OS3. CADDENS ROAD FARMHOUSE PARK

This park is located at a high point to the north east corner of the development. This park features a heritage listed house from the late 19th Century. The southfacing slope surrounding open space lends itself to quite limited recreational amenity but does provide an opportunity for interesting terraced landform and connecting pathways offering passive recreation opportunities. The park is located within a 500m radius of the proposed Caddens Hill sports fields with a high level of active recreational facilities and therefore can be treated as being more passive in nature.

The park is approximately 0.66ha in size and provides a feature pedestrian path with seating to view the surrounding landscape. Planted terraces with formal orchard style planting (including fruit trees) will be a key feature of this space. Low planting should lend itself to the outward focused view corridors to other surrounding parks and green spaces within and beyond the site.

Public art and interpretive elements will provide an insight into the heritage house as well as the greater Orchard Hills region. Further information about the Public Art strategy can be found on page 64.



Images indicative only of potential landscape character

#### **It is anticipated that the Caddens Road Farmhouse Park may consist of:**

- 0.66ha passive open space and garden
- High quality Public Art installation
- Terraced planting and sandstone retaining walls to increase
- Accessible connecting footpaths
- Shaded pergola structures with seating to provide filtered shade and amenity
- Shared path adjacent the park connecting the active transport network linking to the future Caddens Hill sports facilities and Werrington Creek riparian corridor and OS7
- Tree and under storey planting is to comply with CPTED principles
- Planting of endemic native species with some exotic species (including fruit trees)
- Low maintenance, robust plant species and finishes
- Recognisable landmark opportunity for the Active Transport Network



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Figure 18 OS3 Concept Plan

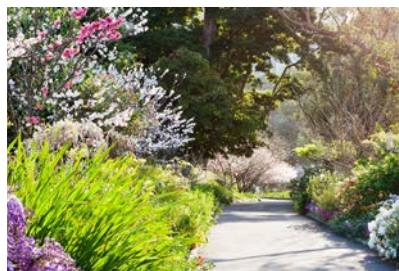
## OS4. COMMUNITY DOG PARK AND FLOWER GARDEN

This park is located on the western edge of the main collector road. This park could function as a dedicated off-leash dog park servicing the greater community. The dog park will be fenced and provide 10 car spaces for ease of access.

The park is approximately 0.5ha in size and provides space for a variety of park uses based on the topography. The site is gently sloping to the south and therefore could utilise battered turf areas and amphitheatre zones to create event spaces. Seating and picnic shelters can be placed around the site to give users the opportunity to relax and enjoy their surroundings.

OS4 being located next to the Church, could include a contemplative flower garden with meandering paths and planting indicative of what is found within the Church grounds. This unique space would give the community a quiet place to gather and reflect.

A transitional space between the church and the dog park will provide more traditional park amenity with picnic shelters, open lawn areas and a 0-6yo children's playground.



Images indicative only of potential landscape character



### It is anticipated that the Community Dog Park and Flower Garden may consist of:

- 0.17ha Dedicated off-leash dog park with fence zones for small and large dogs, with dedicated seating, water, shelter and waste bins
- Fenced 0-6yo children's playground with interactive nature play elements
- Shelters adjacent open lawn spaces
- Bicycle parking (10 Spaces)
- Car Parking (10 Spaces)
- Accessible path network
- Paved area with park furniture including a shelter with seats, bubbler
- Semi-open canopy trees and structured planting to provide filtered shade and visual amenity
- Tree and under storey planting is to comply with CPTED principles
- Low maintenance, robust plant species and finishes
- Small outdoor heritage installation to the rear of the church that celebrates the cultural and theological significance of the Church and its role in forming the Orchard Hills community





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Figure 19 OS4 Concept Plan

## OS5. LINEAR RIPARIAN PARK

The Werrington Creek riparian corridor will contain a fully vegetated minimum 40m wide (20m from the top of each bank) Core Riparian Zone (CRZ) and a 10m wide vegetated buffer zone. Contiguous to and integrated into the central corridor are areas for storm water management, indigenous heritage conservation and revegetation. The revegetation of the riparian corridors and other Cumberland Plain Woodland areas will follow best practice principles; retaining existing trees and native vegetation with enrichment planting of local provenance flora species to create a full vegetation profile and creek formations with natural features

The Linear riparian park provides significant usable green space that would otherwise be unusable if located within the riparian corridor footprint. This park (due to its linear nature) will primarily contain cycle ways, open space lawns and shelters dotted periodically along its length. Outdoor gym/fitness stations will be included as part of the site wide fitness loop. A key feature will be the inclusion of a shared pedestrian, elevated walkway or bridge structure to connect this park to the open space OS2 playground area with the main cycle way network. The cycle way within this park provides the key connection from the Caddens development in the north, past a large open water body adjoining Caddens Road to the local centre in the middle of Area A.

Carefully managed, the riparian corridor, along with the integrated water bodies, will be integrated into a large open space park.



Images indicative only of potential landscape character

### It is anticipated that the Linear Riparian Park may consist of:

- 1.97ha generally passive open space and garden
- Public access to permanent water body via boardwalks or bridge crossings to open spaces. Crossings and lookouts are to incorporate educational signage elements describing the biodiversity of flora and fauna in Area And the drainage filtration process of the basins.
- Large swathes of lawn to increase usability of passive spaces without encroaching on the core riparian zone
- Informal shared pedestrian and cycle path to retain significant vegetation and provide a definitive edge to the riparian planting
- Detention basins or rain gardens integrated into open space area if required outside of the riparian corridor
- Revegetation of riparian corridor along creek line
- Outdoor gym/fitness stations
- Interpretive public art for aboriginal/ environmental awareness/ European heritage along the recreation path to be placed sensitively and minimise disturbance to this area.
- Seating area and shade structures along the cycle way network, with community BBQ
- North - South shared path continuing a green link through the park to the local centre and centralised green spaces
- Semi-open canopy trees and structures to provide filtered shade and amenity
- Tree and under storey planting is to comply with CPTED principles
- Planting of endemic native species
- Low maintenance, robust plant species and finishes



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Figure 20 OS5 Concept Plan



## OS6. ACTIVE SPORTING FIELDS

This park is located on the south-east facing slope of the riparian corridor in the south-east corner of the site and provides diverse sporting amenity for the entire community.

The park is approximately 3.97ha in size and provides space for a sequence of differing park uses based on the topography. The site is gently sloping to the east which offers substantial middle distance views to the east towards the vegetated canopies that align along Claremont Creek.

Due to its size, this park functions as a sporting space with high quality active and passive recreational activities and finishes, focusing on sport within the local area. A full size multi-field (two full size football fields in winter and a cricket field in summer). To help facilitate this park, additional amenities will also include a new amenities building (with changerooms, public toilets, BBQ storage and canteen to support training and competition), car and bicycle parking areas, a series of larger team shelters and picnic shelters to house home and away teams and spectators on game days.



Images indicative only of potential landscape character

### **It is anticipated that the Active Sporting Fields may consist of:**

- 1.86ha of formal sport field potentially comprising of the following activities:
- Football fields (2), Cricket fields (1)
- 2.11ha passive open space, viewing areas, garden and parking space
- New inclusive amenities building (557m<sup>2</sup>) to include 4 x changerooms, 1 x referees room, public toilets, BBQ storage and canteen
- Sport fields to be flood lit to 100 LUX (as per Australian standards)
- Off street car park (110 spaces)
- Retaining walls and terraced lawns to increase usability of passive spaces in sloped areas
- Accessible path network
- Harvested stormwater is to be used to irrigate the sports fields and to be used by other community facilities as appropriate
- Paved area with park furniture including a shelter with seats, bubblers and seating walls
- Semi-open canopy trees and structured planting to provide filtered shade and visual amenity
- Tree and under storey planting is to comply with CPTED principles
- Low maintenance, robust plant species and finishes



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Figure 21 OS6 Concept Plan

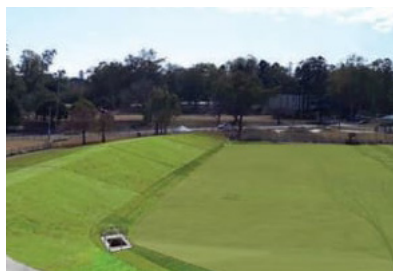
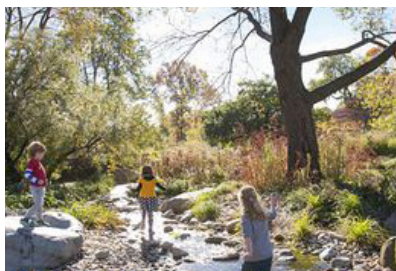
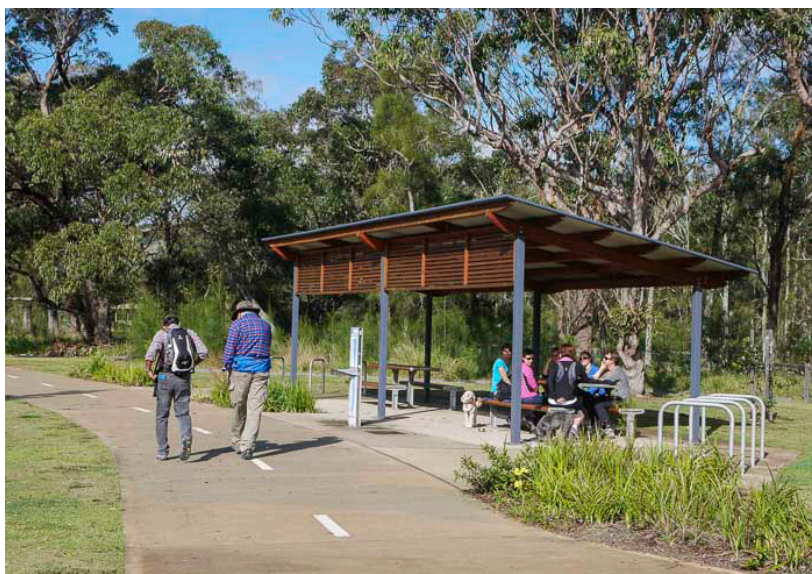
## B4. PLAYING FIELD

This 1.29ha park is located adjacent OS6 and strategically positioned to be an extension of the active sport fields. B4 also acts as a detention basin to mitigate flash flooding from the Claremont Creek.

The park transitions between OS6 and OS7 and thus absorbs design principles from both open spaces. The B4 area has only a slight slope and a battered perimeter due to its dual purpose as a basin and sports field. South of the playing field is an open turf space which can also incorporate passive recreational activities.

Trees and under storey planting should be responsive to the view corridors to other surrounding park links, riparian corridor and green spaces within and beyond the site. Riparian planting to the Claremont Creek edge is to incorporate WSUD principles to treat water as it is directed to the creek.

The Raingarden will be accessible to the public and provide basic amenity such as adventure play for children, shelters and path networks. A series of culverts will ensure that paths remain accessible in all weather conditions.



Images indicative only of potential landscape character

**It is anticipated that the Playing Field may consist of:**

- 0.48ha of passive open space and garden (forms part of basin)
- 0.81ha formal sport field (forms part of basin)
- Rain garden/Dry Creek beds facilitating nature play and WSUD
- Field to be flood lit to 100 LUX (as per Australian standards)
- Team/Picnic shelters
- Spectator slope seating
- Low maintenance, robust plant species and finishes
- Cycle ways and accessible paths
- Outdoor gym/fitness stations
- Lookout over Claremont Creek
- East West shared path continuing a green link through the park to the local centre and adjoining green spaces within the development
- Semi-open canopy trees and structures to provide filtered shade and amenity
- Tree and under storey planting is to comply with CPTED principles
- Planting of endemic native species
- Irrigation to playing field





Figure 22 B4 Concept Plan

## OS7. RIPARIAN BUSHLAND PARK

This park is located within the southern region of Area A adjacent Claremont Creek. The park also adjoins B4 which then leads on to OS6. This park will function primarily as a recreation/fitness park and CPW conservation area. The learn to ride facilities will sit within an area that is passive in nature with low level recreational space located to the edges of the CPW. Passive surveillance will be afforded from surrounding properties and streets that front onto the park. The surrounding streets will provide a pedestrian focus to the streetscape.

The park is split into 3 zones which total approximately 0.84ha in size and provides a series of spaces for low level passive recreation connected via a central landscaped raingarden. During high rain events the raingarden is to remove pollutants and mitigate the flow of water into the Claremont Creek. The existing CPW will be annexed off from the park and preserved for revegetation and conservation purposes. Tree and under storey planting should be responsive to the surrounding remnant vegetation and CPW areas. Natural materials such as timber, gravel and stone should be used to give the park a natural woodland feel. Future plantings within the NW edge of OS7 will support the CPW vegetation community that exists in BS02.



Images indicative only of potential landscape character

### It is anticipated that the Riparian Bushland Park may consist of:

- 0.84ha passive open space, active transport paths, play spaces, garden areas and toilet facilities.
- Adjacent 0.36ha of CPW conservation (BOS2). Retain and enhance the existing CPW trees on site
- Celebrate one of the last areas of endemic woodland on the site through reuse of on-site materials and access through the woodland where appropriate
- Central landscaped raingarden with accessible path network.
- Possible use of raised board walks through the understory of the CPW with interpretive trail
- Open lawns to increase usability of passive spaces
- 6-12yo playground
- Small nature playground for 0-6yo groups celebrating the existing trees with natural play elements
- Seating area, shade and community BBQ
- Lookout over Claremont Creek
- Active transport network continuing a shared path through the park to the adjoining green spaces along the creek edge
- Outdoor gym/fitness stations
- Learn to ride facilities - providing roundabouts and mini road signs for children to manoeuvre
- Semi-open canopy trees and structures to provide filtered shade and amenity
- Tree and under storey planting is to comply with CPTED principles
- Planting of endemic native species
- Low maintenance, robust plant species and finishes



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Figure 23 OS7 Concept Plan



## OS8. FARM PARK

This park is designated to interpret the agricultural and orchard farming heritage of the Orchard Hills North site. The park will function as a local park with a community garden and predominately passive recreational activities with ongoing scheduled events. Approximately 2 ha in size, this space provides a series of areas for high level community (interaction through the community garden) and outdoor meeting spaces. An open lawn will facilitate larger groups of people during market times and provide a kickabout space throughout the remainder of the week.

Educational trails can be incorporated around the park to inform visitors of the heritage of the site and to understand the importance of the hydrological treatment train experienced on the Orchard Hills North site.

Tree planting will be structured and responsive to the orchard farms of yesteryear and deciduous in nature, therefore providing a colour contrast to the surrounding native landscape.

An amenities building will support the three multi-purpose courts for local organised and recreational sport. A highly visible urban park will provide a dedicated activity space for teens and young people.



Images indicative only of potential landscape character

### **It is anticipated that the Farm Park may consist of:**

- 2 ha of passive areas to be used by the general public such as a large lawn or community gardens
- Educational trail on the agricultural heritage of the site leading into the community garden activities and educational play
- New amenities building to include public toilets (accessible), store room and meeting room (20m<sup>2</sup>)
- Water Sensitive Urban Design water treatment gardens surrounding the village green to inform the public of the importance of the local hydrological system
- Fenced 0-6yo children's playground with interactive nature play elements
- Multi-purpose courts to be flood lit to 100 LUX (as per Australian standards).
- Formal planting of deciduous trees reflective of the previous orchard farms
- Accessible paths, seating area and pergola shade structure
- Tree and under storey planting is to comply with CPTED principles
- Planting of exotic species
- Low maintenance, robust plant species and finishes
- Flexible space to facilitate markets, performances and hobby meet ups.
- East West shared path continuing a green link through the park to the local centre and adjoining green spaces
- Robust urban park (435m<sup>2</sup>) that caters for years 6-12+ and facilitates wheeled activities including skate, scooter and bike. Multipurpose impact wall with ground linemarkings for smaller informal ball games.



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Figure 24 OS8 Concept Plan

## OS9. SOUTHERN PARK

This park is located on the south facing slope of the main east west ridge line of the site. OS9 will work in conjunction with OS2 to provide additional open space area and facilities to the southern quadrant of the development. The embellishments could include similar amenity to OS2 to support open space accessibility within the southern quadrant of the development.

The park is approximately 0.50ha in size and provides space for a sequence of park uses. The site is gently sloping to the west and therefore the park lends itself to passive informal activities with capacity to include picnic areas and open turf spaces for gathering and sunbathing. A dual play space for 0-6yo and 7-12+yo will utilise the natural topography of the site by incorporating slides and climbing elements.



Images indicative only of potential landscape character

**It is anticipated that the Southern Park may consist of:**

- 0.5 ha of passive areas to be used by the general public such as a large lawn areas
- Play for 0-6yo and 7-12yo children
- Accessible paths, seating area and pergola shade structure
- Landscaped terraces for seating opportunities along slopes/viewing space for performance or overlooking play
- Tree and under storey planting is to comply with CPTED principles
- Planting of exotic species
- Low maintenance, robust plant species and finishes





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Figure 25 OS9 Concept Plan

## BUSHLAND OPEN SPACES - BOS1, BOS2, BOS3

As part of the planning proposal process a flora and fauna report was undertaken across the rezoning site area. The survey recorded that the most dominant vegetation identified on site was determined to be exotic. However, fragmented patches of remnant native woodland and forest communities were also found. The critically endangered Cumberland Plain Woodland as listed under both the BCA Act 2016 and EPBA Act 1999 and the River-Flat Eucalypt Forest, as listed under the BCA Act 2016 were both found in small disconnected groupings throughout the site. Each of these endangered communities are proposed to be retained within proposed bushland parks, existing creek corridors and where applicable, in public open space.

In general the bushland parks will be created to protect and conserve the existing stands of remnant communities. However, they should also be utilised as areas that the community can enjoy both visually and in some instances, through physical interaction. Where public access is permitted within the bushland parks the level of public interaction should be restricted to very low levels of passive interaction and is required to be environmentally sensitive and ecologically sustainable.

The Bushland parks will incorporate the following design principles:

- Retain the existing endangered communities as natural bushland
- Maintain and enhance the existing areas of significant ecological value such as the Claremont Creek riparian corridor and the identified areas containing the endangered vegetation communities.
- Integrate stands of endangered ecological vegetation communities (CPW & River Flat Eucalypt Forest) into open space or bushland park settings where possible.
- Promote walkability of the natural environment and exploration of the bushland settings.



Images indicative only of potential landscape character



It is anticipated that the Bushland Parks may consist of:

- Stands of mature trees for future conservation and possible revegetation of the understory subject to VMP requirements
- Low level recreational pursuits within open grass areas
- Small areas of passive open space to the perimeter of the vegetation where possible
- Accessible paths connected with elevated boardwalks through the woodland areas where possible
- Low key seating area and shade structures
- Tree and under storey planting is to comply with CPTED principles
- Planting of endemic native species subject to VMP requirements
- Low maintenance, robust plant species and finishes

NOTE: The following methods are in place to minimise risk of illegal dumping in BOS:

- Passive surveillance through low planting, people friendly spaces (open grass areas, paths, shelters etc) and rear lot fence lines.
- Boundary of BOS to have tighter street tree planting and groundcover planting.
- Potential for low fence/bollards in certain locations.

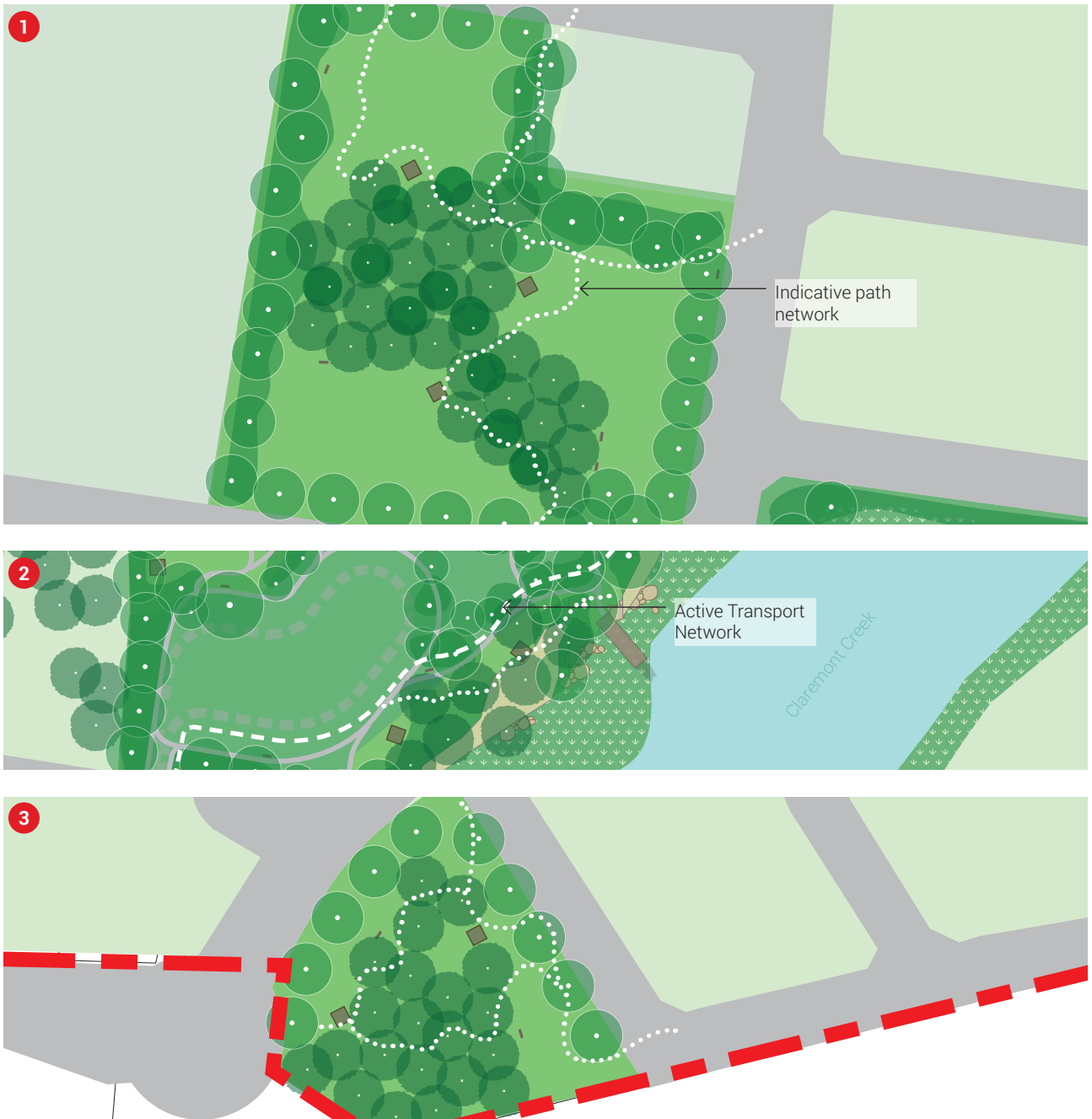


Figure 26 BOS1 - 3 Concept Plans



# 11 STREETSCAPE

Streetscape character and tree species reflect the natural character and landform of the site, while accommodating the functional needs of pedestrian, cycle and vehicle movement along each of the roads.

The streetscape characters should reinforce and enhance the road hierarchy. The street tree character and indicative species for the various street types have been proposed to reflect the different characters of the site such as the proposed Village Centre, the open spaces and existing riparian corridors and the heritage items. For example the tree species within the local roads adjacent to the heritage areas, have been proposed to reflect a historical element reminiscent of historical gardens and church gardens.

Split road medians are to be planted with low maintenance native planting species at both the base and the top of the retaining wall. The selected retaining wall finish is to match the surrounding streetscape character.

Native endemic riparian species are proposed along the green links, local roads near the open spaces and within the low lying areas adjacent to the riparian corridors and various detention basins situation around the site.

In addition to the above, deciduous tree species have been selected along the east – west roads to ensure access to winter sun and native evergreen trees have been proposed to the north – south streets.

Large deciduous trees are proposed along the Collector Road 1 to emphasis and defined the east – west road through the site.

Street tree species have been selected following a review of street tree species appropriate to Western Sydney (heat and drought tolerance).

Street trees adjacent Bush Open Spaces are to have a tighter spacing to deter vehicular entry.

## Road Type 1 (East-West)

- *Fraxinus pennsylvanica* 'Cimmaron'
- *Platanus x hybrida*
- *Angophora floribunda*

## Road Type 1 (North-South)

- *Arunticarpa rhombifolia*
- *Acacia binervia*
- *Corymbia gummifera*

## Road Type 2

- *Melaleuca styphelioides*
- *Callistemon salignus*
- *Lophostemon confertus*

## Road Type 3 (East-West)

- *Ginkgo bilboa* 'Princeton Sentry'
- *Geijera parvifolium*
- *Zelkova serrata*

## Road Type 3 (North-South)

- *Hymenosporum flavum*
- *Lophostemon confertus*
- *Waterhousia floribunda* 'Green Avenue'

## Road Type 4 (Adjacent OS)\*

- *Corymbia eximia*
- *Eucalyptus robusta*
- *Melaleuca styphelioides*
- *Tristaniopsis laurina*

## Road Type 4 (Adjacent Heritage)\*

- *Acacia binervia*
- *Photonia robusta*
- *Lagerstroemia* 'sioux'
- *Waterhousia floribunda* 'Green Avenue'

## Road Type 4 (Village Centre)\*

- *Brachychiton populneus*
- *Gordonia axillaris*
- *Pyrus calleryana* 'Aristocrat'

## Road Type 4 (North-South)\*

- *Buckinghamia celsissima*
- *Callistemon salignus*
- *Acacia binervia*

## Road Type 4 (East-West)\*

- *Brachychiton acerifolius*
- *Pyrus calleryana* 'Aristocrat'
- *Zelkova serrata*

\* Within 1.6m grass verge

Ⓢ Split level road

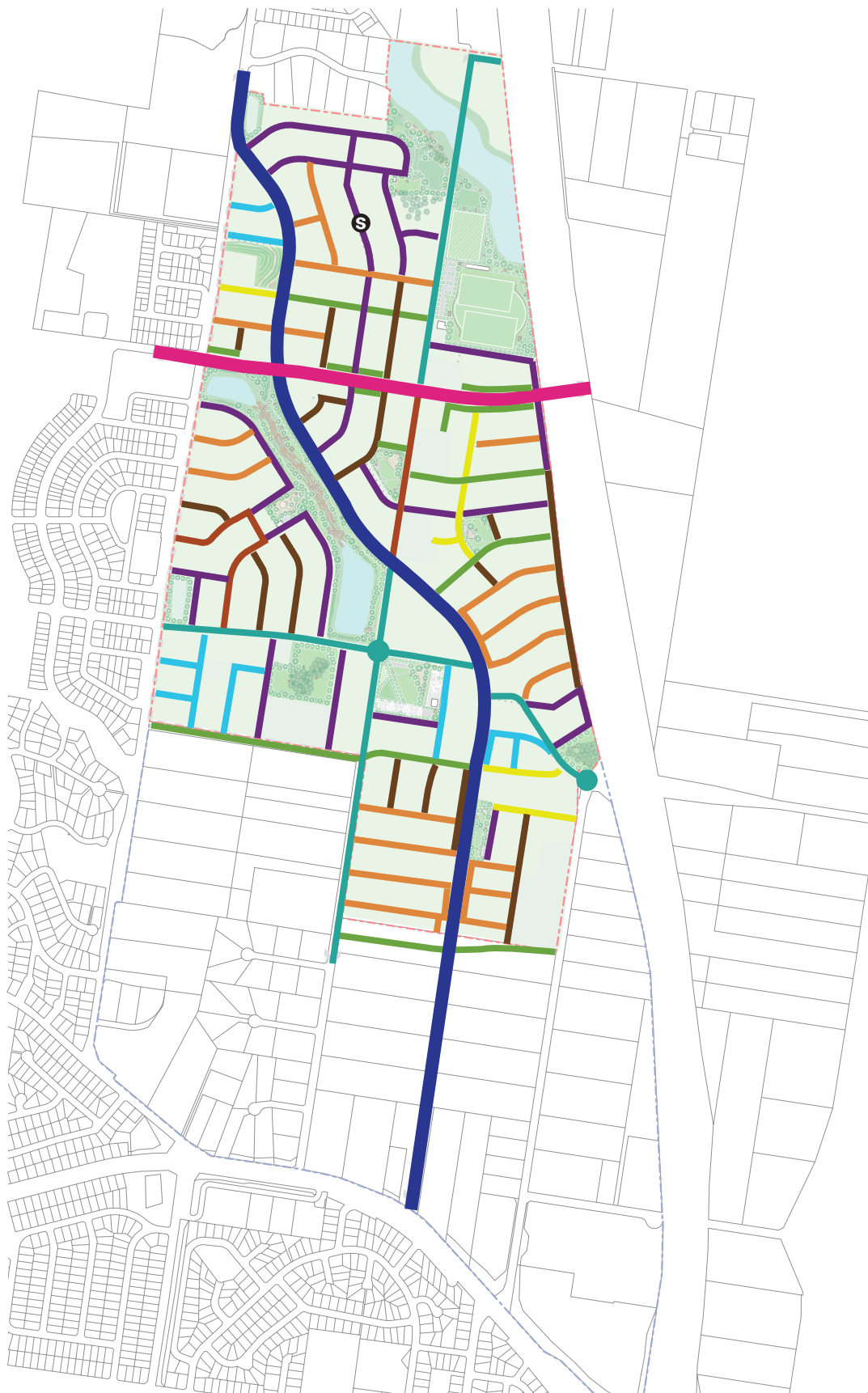


Figure 27 Street Tree Plan

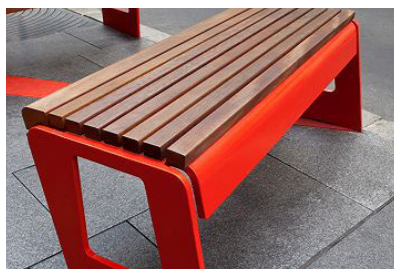
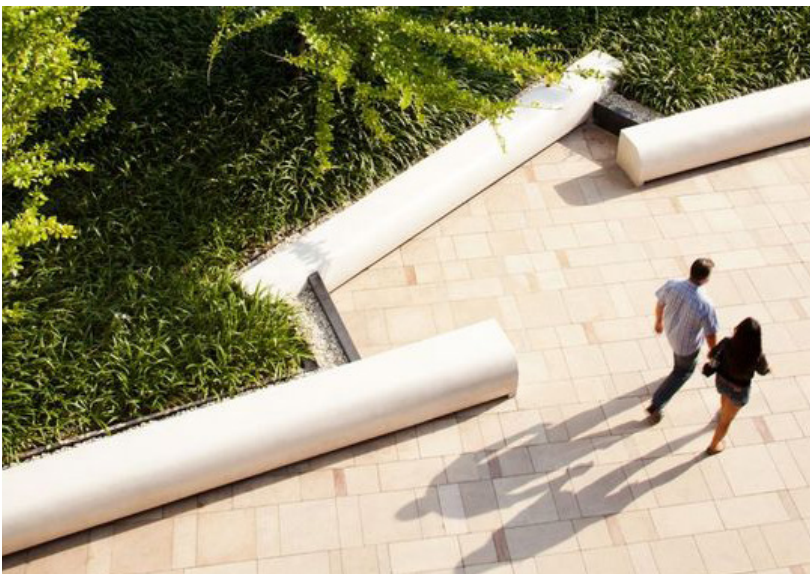
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## 12 FURNITURE LIGHTING AND MATERIAL PALETTE

A coordinated suite of quality street furniture will ensure that the public domain has consistent and clear identity. It will also express high quality in the design of the development and positively contribute to the site character.

A designed palette of high quality street furniture is recommended. This will ensure that the various precincts are integrated through a common language. Products must be durable enough to sustain extreme conditions and medium to heavy use. **The elements may include:**

- Benches /seating
- Shade including picnic shelters and pergola structures
- Bus shelters
- Bicycle racks
- Bollards
- Bins
- Tree guards



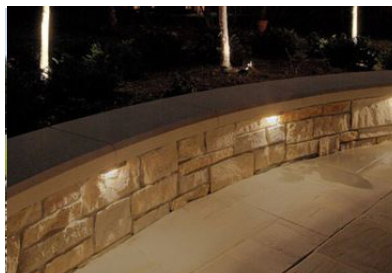


An indicative selection of products has been identified that provides fresh and contemporary appearances appropriate to the meet the performance requirements.

Themed street furniture in the Local Centre is to be of a modern, simple, elegant design that suits the more urban environment.

Furniture in the residential or neighbourhood precincts will have a more distinct rural character and predominately feature natural materials and finishes.

The materials palette has been selected on the basis of fit for purpose requirements. The range suggested includes high quality paving materials and cast in situ and stone clad walling where appropriate.

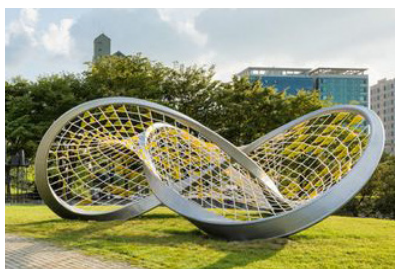


## 13 PUBLIC ART

The natural and cultural environment of Orchard Hills North provides the setting for a new community within the suburb of Penrith and within the broader context of the developing region of Western Sydney. The proposed public open spaces of this emerging community can be significantly enriched by a public art strategy which reflects local heritage, cultural values and in large, the communities aspirations.

**Public Art is known to provide the following benefits:**

- Increases the quality of life for communities
- Reflects cultural and indigenous heritage
- Enhances community identity and belonging
- Reveals community aspiration and concerns
- Provides opportunities to learn and understand
- Encourages inspiration
- Encourages economic and environmental benefits



Public art can take a number of forms including: permanent, temporary, ephemeral, even performance art. It can reflect past and present cultural values as well as provide a medium to inform and educate the community about local achievements, local ecology and even environmental issues.

**Public Art should be designed with the following objectives:**

- Create Public Art that challenges and inspires the local community and visitors
- Encourage the participation of the community and local artists
- Celebrate the history, sense of place and locality of Orchards Hills
- Build the community through collective activities
- Develop Public Art that is suitable for the public domain and its chosen site
- Achieve excellence in design production and longevity
- Is low maintenance and has low potential for vandalism

**Public Art in the Orchard Hills North area should:**

- Have strong community and environmental themes
- Be incorporated along recreation paths, Active Transport Links and in high visibility open spaces
- Use natural materials and forms
- Help define spaces for use by people rather than be the focus
- Represent the different histories and cultures of the area
- Highlight environmental and conservation issues
- Comply with Penrith City Council Public Art Policy which outlines processes and procedures for the procurement of Public Art for the Penrith LGA



## 14 CONCLUSION

The Area A Master Plan has now been completed to reflect the following key objectives:

- Establish a high quality landscape based on the synthesis of development objectives, contextual issues, legibility, green links, site constraints and opportunities, sustainable asset management, and best practice.
- Strengthen the appearance and amenity of the proposed development by sensitively integrating land form, architecture and landscape through effective site planning and landscape design.
- Create a variety of quality landscape spaces that are sympathetic to the environment and natural processes and are linked with existing ecological corridors.
- Provide a permeable and legible framework of streets and open spaces closely integrated with the surrounding landscape, open spaces and streets.
- Consider Council's 3 objectives of high quality, low maintenance and robustness for open space planting, furniture and finishes.
- Manage the Urban Heat Island effect by implementing strategies that will increase tree canopy cover potential and sustain long term tree health.
- Deliver open spaces that offer diversity of experiences and support 'community togetherness' where everyone feels welcome, regardless of age, ability or cultural background.

Both the positioning and size of public open space network across the development has been one of the key factors in establishing the current framework. The aim is simply that the structure of the opens spaces within Area A will lead to a benchmark landscape and public domain outcome for Orchard Hills North. One that meets both the current and future needs of the community, designed for longevity, cognisant of ongoing Council maintenance requirements and assist in encouraging a walkable neighbourhood that reduces our reliance on vehicles to access our local services.

New parks are proposed to respond to the key site features and topography of the site including significant hilltops, areas where significant vegetation is to be retained and adjoining the central riparian corridor.

While it is vitally important that the proposed public domain spaces fully embraces and respects the cultural heritage, agricultural history and rural character of the site, the aim is to introduce both modern and traditional landscape design movements with materials that will provide the residents and visitors with the right mix of public amenities in both passive and non-structured recreational activities that intertwine to bring the community together and to participate in shared experiences within the open space network for the life of the development.

## APPENDIX

## Open Space Strategy Consideration for Area B

The Area B Plan has been provided along with the Area A updates for an overall reference of the greater Orchard Hills site. The following indicative open space calculations are provided as a summary:

**Passive Open Space** - There is provision for **11 ha** of Passive Open Space.

**Active Open Space** - There is provision for **4.81 ha** of Active Open Space.

Open spaces across the Master Plan have been carefully considered to provide varied and appropriate function and facilities for the Orchard Hills development. Smaller local park spaces are located in proximity to larger high activity spaces to provide residents with passive recreation options during sporting or other special events. Taking into consideration Area A, parks have been located to allow residents access to multiple parks within walking distance (as illustrated in Area B - Open Space Catchments on p73).

Refer to the below table for an indicative breakdown of the Open Space Provision within Area B.



# Orchard Hills - Open Space and Recreational Infrastructure Provision - AREA B

Rev T Indicative Master Plan

Open Space Number	Area (ha)	Indicative Dimension(m)	Character Precint	Open Space Type (as per PCC park classification)	Indicative Function/Facilities	Toddler Play	Junior Play	Senior Play	Teenager Play	Kickabout	Formal Sport	Sport Court	Fitness Stations	Bike track	Shelter	BBQ	Market	Lookout	Boardwalk	Dog off-leash (fenced)	Conservation	Regeneration	Performance/Events	Interpretation	Cycle Network	Parking	Toilet/Amenity	Outdoor Health and Fitness	Pump Track
OS1	2.35	90x250	District Playground	District park	District scale 'inclusive' play space. Incorporating play opportunities for kids under 12, parking and toilet facilities, shaded picnic spaces.																								
OS2	1.13	67x83	Informal Recreation	Local park	Heritage interpretation park(Orchard Hills Reservoir), Interpretive and interactive elements, contemplative space, bush garden setting																								
OS3	0.85	100x80	Informal Recreation	Local park	Dog park, informal recreation spaces, small play spaces																								
OS4+6	2.72	140x120	Informal Recreation	Local park	Passive open space informal kickabout space, shade (trees/shelters), Picnic areas, Playground																								
OS5	4.81	200x240	Active Open Space	Sporting space	Sports hub (formal recreation) with sports fields and associated amenities building(toilet and changeroom facilities), open turf areas, shelters, seating, BBQ																								
OS7	1.5	250x80	Informal Recreation	Linear Park	Green links to other Open spaces(OS1,OS5), Walking and cycling, Dry creek beds/vegetation corridors, picnic and rest areas																								
OS8	2.45	120x200	Informal Recreation	Local park	Flexible Park with informal multi-courts and kickabout spaces, gathering spaces for large groups, All ages playground																								
B7	0.62	80x80	Basin	Basin	Detention basin for flood mitigation from the Claremont Creek. Serves as an intermediate park with shaded breakout spaces along basin edge																								

Figure 28 Area B - Indicative Open Space and Recreational Infrastructure Provision Table

## Open Space Strategy Consideration for Area B

The location of open spaces including the sports fields has taken into consideration the landscape topography with the aim of minimising cut and fill in these areas. Open spaces have been evenly distributed within Area B to compliment Area A. The prominent sport fields in both areas will service the immediate community and their specific sporting requirements.

### Legend

-  Active OS/Sporting Ground
-  District Park
-  Local Park
-  Basin
-  Local Park Catchment  
(80% residents within 400m)
-  District Playground Catchment  
(80% residents within 800m)
-  Rezoning Site Boundary
-  Area B Site Boundary

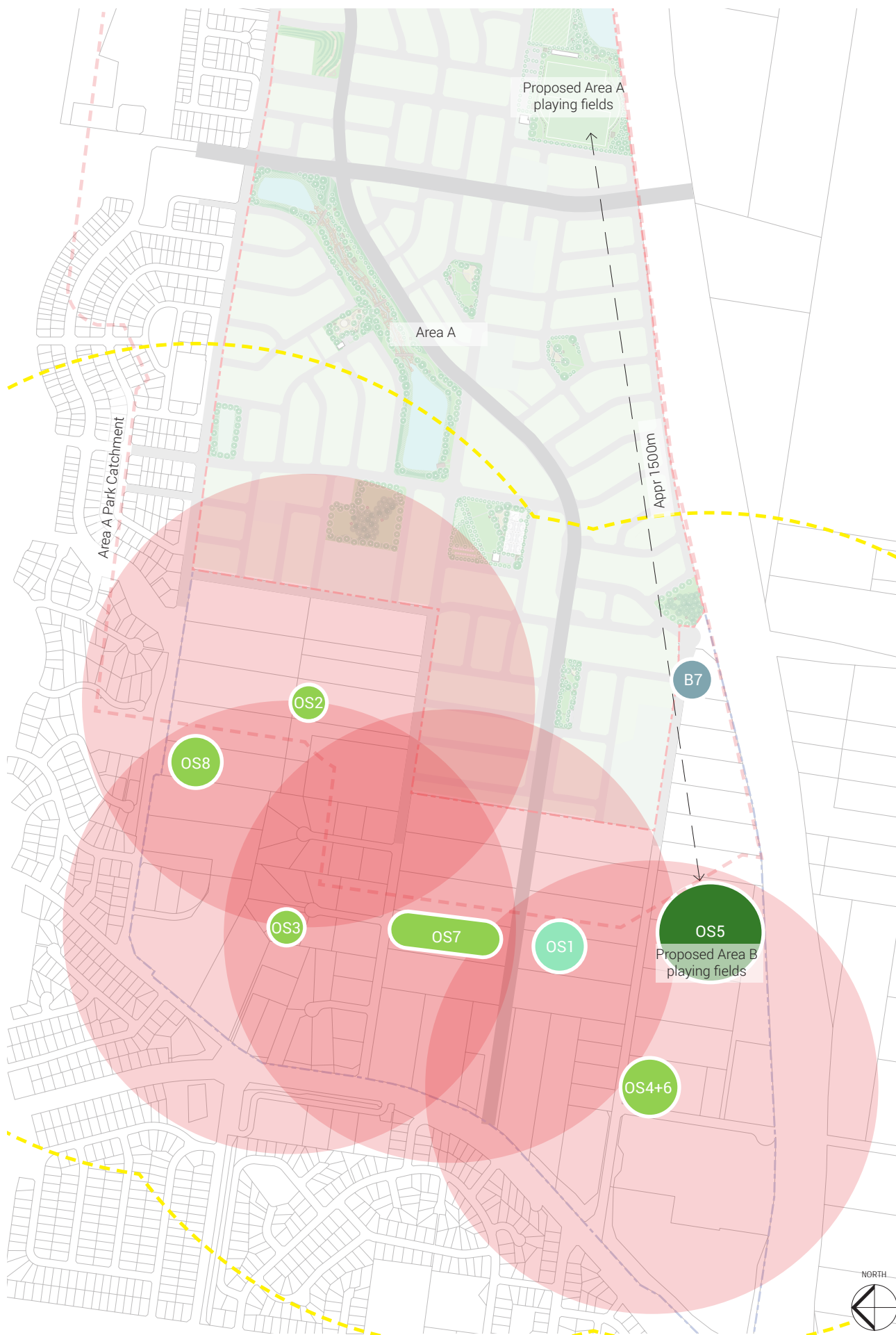


Figure 29 - Area B - Indicative Open Space Catchments



## LANDSCAPED BASINS

Landscaped basins will provide additional landscape amenity to extend the active offerings of the streetscape verge. Open space around the basins will provide opportunities for seating and picnics with a view of the unique biodiversity. The basin spaces encourage education about flora, fauna and natural ecological systems within the Orchard Hills site.

Native trees will shade the open space and invite residents to use the break out amenity, distancing themselves from the road corridor. The landscape environment will include benches and picnic tables to be utilised to define opportunities for refuge and gathering.

The active transport network runs parallel to B6 which will provide rest areas and navigational landmarks for cyclists and runners along the route.



Images indicative only of potential landscape character

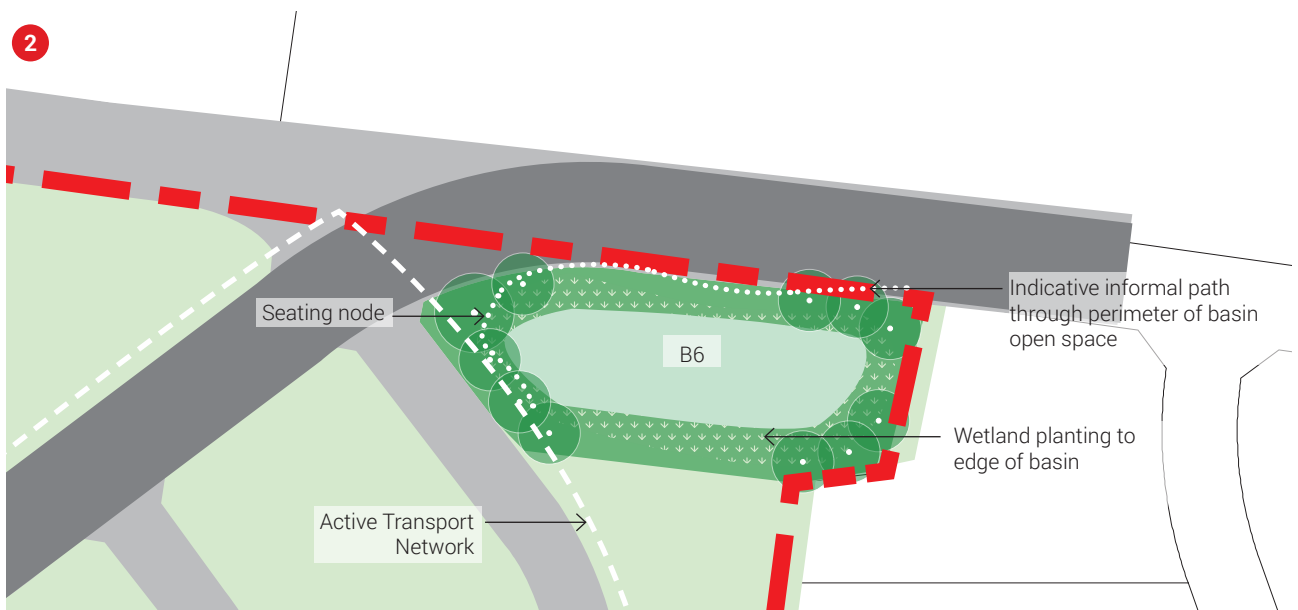


Figure 30 - Basin Landscape Treatments



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