LANDSCAPE MASTERPLAN

TLA SUBMISSION

15126.5-Branxton Town Centre-MP [

BRANXTON TOWN CENTRE PUBLIC DOMAIN

CESSNOCK CITY COUNCIL

11 September 2024



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MASTERPLAN

We have a plan

Landscape Masterplan

Masterplan: Key Areas

Entry Detail

Pocket Park

RV Site Detail

Northern Park Detail

Stage Detail

Eastern Park Detail



Circulation

Furniture

Tree Canopy

Planting Palette

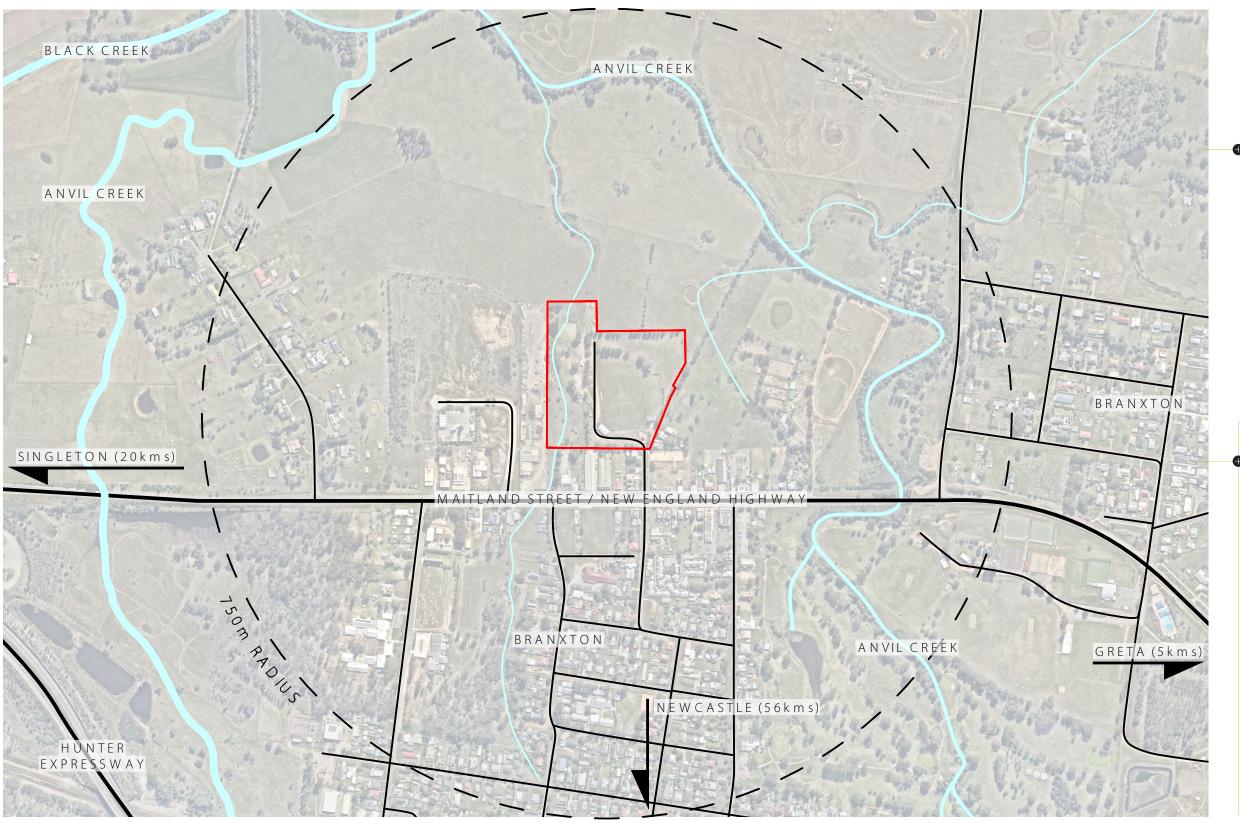
Connection to Country

Acknowledgement of Country

Terras acknowledge the Traditional Custodians of the lands on which we work and live. We pay our respects to the elders, past, present and emerging and recognise their continuing connection to country and contribution to this land.



LOCAL CONTEXT



LEGEND

ROAD - SEALED & UN

MAJO

WA

MINO

SITE ANALYSIS

The site is located in Branxton.
Branxton is a small township in the
Hunter Region of NSW in the City of
Cessnock on the New England Highway
between Maitland and Singleton.

The site contains an existing RV use site and sportfield area. The site will be accessible via the southern boundary interface with John Rose Avenue, connecting to Maitland Street/New England Highway.

The site is bordered directly to the east by an existing oval and croquet club, and to the west by Blue Gum Landscaping Centre.

Due to topography, a permanent water and vegetated corridor spans the western boundary that branches off Anvill Creek to the north.

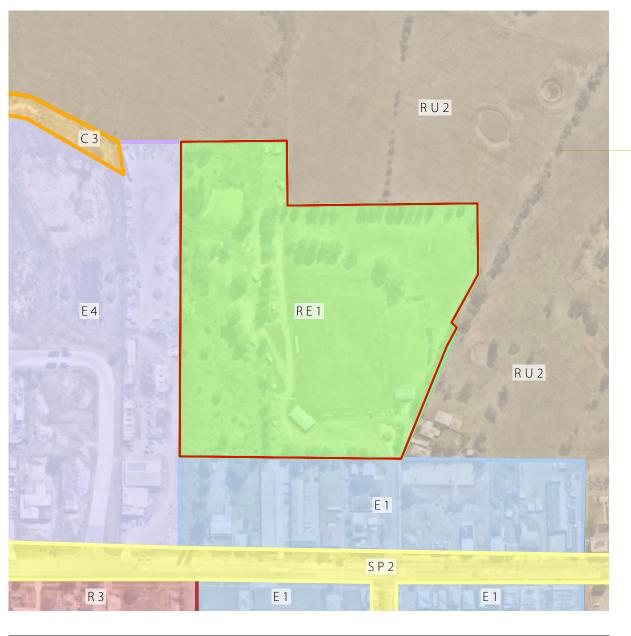






LOCAL ANALYSIS





NOTES

Vehicular access to the site is restricted to one entry/exit point from John Rose Avenue.

Formalised access terminates at the Branxton Oval public amenities building, an informal dirt road provides access from here to the existing informal Branxton RV camp to the north and overflow car parking to Branxton Oval.

The land is zoned RE1 - Public Recreation by Cessnock City Council. The surrounding land zoning use is characterised by business and rural landscape such as E1 - Local Centre, E4 -General Industrial and RU2 - Rural Landscape.

EXISTING CIRCULATION

SITE BOUNDARY

WATERWAY

ROAD - SEALED & UNSEALED

MAJOR ROAD

MINOR ROAD

E1

E4

WINTER SUN PATH
SUMMER SUN PATH

ZONING / SPATIAL TYPES

C3 ENVIRONMENTAL MANAGEMENT

GENERAL INDUSTRIAL

LOCAL CENTRE

RU2

RE1

SP2

RURAL LANDSCAPE

PUBLIC RECREATION

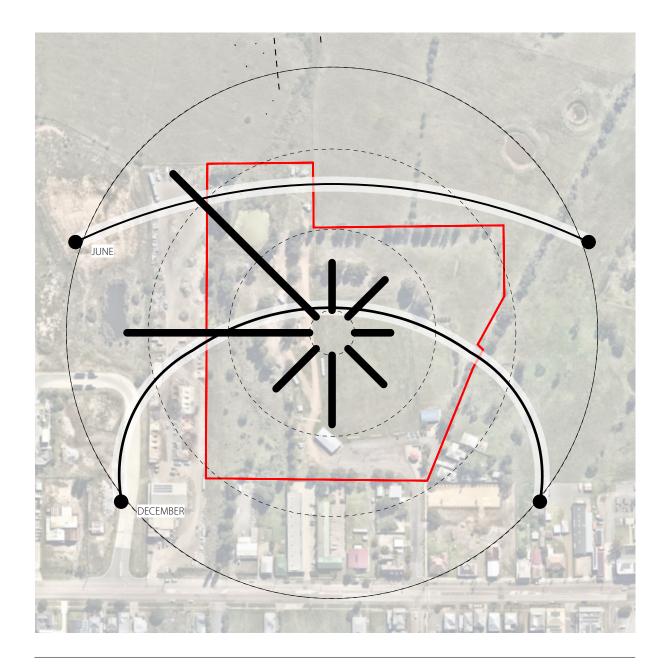
SPECIAL PURPOSE ZONE







LOCAL ANALYSIS





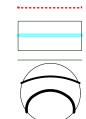
NOTES

Wind of the Hunter Region can be largely categorised by its north-western and western direction.

Sun calculations demonstrate a low sun angle with shorter days in Winter, making north-eastern to north-western sun access vital during this time.
Summer sun is dictated by a higher sun angle with longer days.

The topography of the land can be seen to be mostly flat in the eastern portion containing the oval. The western edge of the site is characterised by a vegetated corridor with permanent water in the northern portion.

NATURAL SYSTEMS



WATERW

WINTER SUN PATH
SUMMER SUN PATH

TOPOGRAPHY



WATERW



CONTOURS FROM SURVERY





SITE CHARACTER



Existing, informal RV area, looking north







NOTES

The surrounding land is characteristic of a rural landscape and township flat terrain and scattered trees.

The current site is largely informal in nature, with scattered trees and informal roads and paths.

A vegetated corridor lies on the western boundary of the site with a permanent water body in the north west.

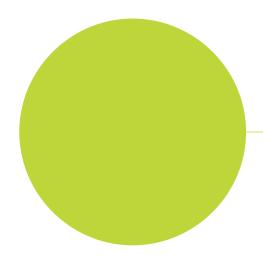


HISTORY & HERITAGE

ANCIENT AND GEOLOGICAL CONTEXT

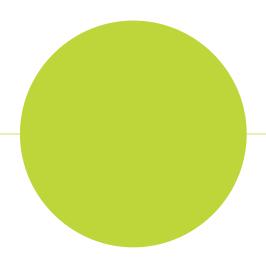
FIRST NATIONS PEOPLE

EUROPEAN OVERLAY



From volcanic eruptions, to the laying of coal measures, sea fluctuations, to the development of the Hunter River Systems, the Branxton Formation has seen an **ancient and geological context influenced by water.**

Branxton Formation was dictated by water to form an imbedded **sandstone and siltstone** history alongside a rich **coal** measure that fuelled an extensive underground coal mining industry in the late 19th century until the early 20th century.

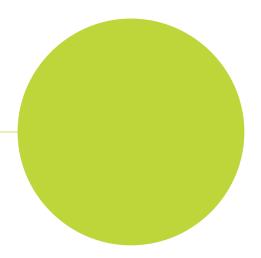


The Wonnarua people are the traditional custodians of the lands surrounding Wallis Creek. The **Wonnarua** people define their Country as the **people of the hills and plains with a strong connection to water.**

The dreamtime story from the Wonnarua tells of the formation of the hills, valleys, forests, rivers and all living things of the Hunter Valley by the Great Spirit Baiame. The river represented the keeper of life that flowed through the land to sustain the life created. The river is where the Great Spirit Baiame is strongest

Another dreaming site of the Hunter Region is related to Tiddalik the Frog. The dreamtime story tells of a giant frog who selfishly exploited the river resource for his own thirst, only to be made to laugh by the other animals to burst with water to replenish the river. As a consequence of his greedy actions, he was turned to stone and hasn't moved from the Wollombi since.

Water is a central connection for Wonnarua people to their Country. The movement of water throughout Country is reflected through a deep respect the Wonnarua people have for the land and a harmonisation of living to the needs of others without exploitation of the landscape's resources



Branxton, formerly known as Farmborough and Black Creek, during European settlement, was central to the rise and fall of 'the coalfields'. 'The Coalfields' described the rapid growth of population of established collieries across Hunter Valley in the late 19th century.

Prior to the establishment of the Hunter Expressway bypass, the township thrived as a major traffic corridor from Sydney to Brisbane. Today, Branxton is largely characterised by its residential fabric and historical European buildings.



PRE-CLEARING VEGETATION COMMUNITIES



VEGETATION TYPE 1

Red Gum Forest (ID: 4089)

A very tall sclerophyll and Casuarina forest to open forest or woodland with a mid-stratum that is absent or sparse and a grassy ground layer, found on alluvial floodplains of the upper Hunter and Namoi river catchments. The canopy almost always includes *Eucalyptus camaldulensis*. There is usually no mid-stratum in this Plant Community Type (PCT). The dense ground layer is mainly comprised of grasses and forbs and primarily occurs along the Hunter River and its tributaries between Singleton and Scone (Trees Near Me 2024).

Species present include, but are not limited to: <u>Canopy:</u> Brachychiton populneus, Casuarina cunninghamiana, Eucalyptus camaldulensis

Ground-Stratum: Breynia oblongifolia, Carex appressa





VEGETATION TYPE 2

Ironbark Grassy Woodland (ID: 3431)

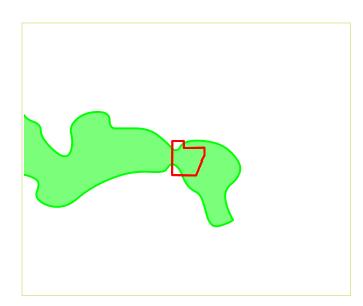
A tall sclerophyll open forest or woodland with a sparse cover of dry shrubs and a mid-dense grassy ground layer that occurs mainly on the undulating floor of the central Hunter valley with scattered areas on adjoining ranges. The canopy very frequently includes *Eucalyptus crebra*. The mid-stratum very frequently includes only a sparse cover. The mid-dense ground layer is mainly comprised of a high diversity of grasses and forbs with some graminoids, twiners, hardy ferns, low-growing shrubs and sedges (Trees Near Me 2024).

Species present include, but are not limited to:

<u>Canopy:</u> Corymbia maculata, Eucalyptus albens, Eucalyptus blakelyi

<u>Mid-Stratum:</u> Notelaea microcarpa

<u>Ground-Stratum:</u> Bursaria spinosa, Lomandra confertifolia





VEGETATION TYPE 3

Ironbark-Spotted Gum Forest (ID: 3315)

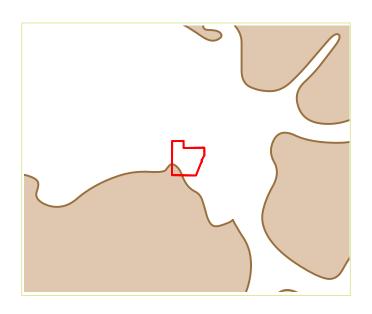
A tall sclerophyll open forest with dry shrubs and a ground cover of grasses and graminoids occurring on moderately fertile soils on lower slopes of hills in the central Hunter valley to the west of Newcastle from North Rothbury to Lake Liddell. The canopy almost always includes ironbarks. The mid-dense ground layer typically includes a diverse array of graminoids, forbs and a hardy fern (Trees Near Me 2024).

Species present include, but are not limited to:

<u>Canopy Species:</u> Eucalyptus crebra, Corymbia maculata

<u>Mid-Stratum:</u> Acacia parvipinnula

<u>Ground-Stratum:</u> Daviesia ulicifolia, Lomandra multiflora, Dianella revoluta and Microlaena stipoides, Hardenbergia violacea





LANDSCAPE VISION

CONNECTION TO COUNTRY



As a landscape architecture practice that deals with land, places, culture, history and the natural environment, everything we do is on Country and it is our responsibility to care for country. We are committed to understand more about the Traditional Owners of this land, and their deep cultural connections to Country. Our ambition is to:

- Reduce the impacts of natural events through sustainable land and water use practices
- Value and respect Aboriginal cultural knowledge and language and engage with truth
- Ensure Country is cared for appropriately and sensitive sites are protected

LANDSCAPE VISION

HUMAN **CONNECTIONS**



Provide legible and easily accessible links through the site at a human scale to encourage walking and cycling. Creating opportunities for active and passive recreation and a variety of recreation experiences.

The environments in which we live profoundly affect us. Positive relationships and connections to natural and built landscapes impact our health and well-being in a variety of ways. Including reducing stress and minimizing

It is our intention to foster connections for the people to Live, Work, Play, Gather, and Learn.

CLIMATE POSITIVE DESIGN



As stewards of the environment, landscape architects must advocate for climate positive outcomes. As designers of the built environment we need to ensure the future of our planet by reducing carbon footprints and increasing sequestration. CPD can mean:

- Retention of as many trees on site as possible
- Reduce demolition and recycle and reuse materials
- Reduce the extent of high carbon elements
- Maximise soft surfaces and soil root plate volumes
- Increase biodiversity
- Design for longevity
- Utilise WSUD principles

SITE SPECIFIC **DESIGN**



Design which preserves, enhances, and creates strong visual and physical connections to the natural features inherent to the site, whether they are a stand of trees, the topography of a site, a body of water, or a distant view.

To create carefully considered landscape inititives that pay respect nd reconnect to the site's entire history and its meaningful relationship to water, land and connection. Whilst also celebrating the creation of a sense of place for its future intended purpose.



MATERIALS



















Open turf area with scattered shade trees





The proposed material palette is inspired by the history and heritage of the site and use of materials relating to sandstone and steel.

Sandstone is proposed to be used in a variety of ways throughout the site with the introduction of corten to create interest as a naturally weathering material.

Planting of endemic vegetation will help to create a sense of place unique to the site with swathes of native grasses proposed to reinforce movement and the site's relationship to



LANDSCAPE MASTERPLAN



MASTERPLAN

NOTES

- Access to new recreation area via John Rose Avenue off Maitland Road.
- Branxton public amenities block to be upgraded.
- Branxton Oval to be retained. Outside edge to be redesigned. Upgraded fencing and lighting.
- Existing wetland and grassland biome to be retained and protected. Retain as native vegetation and perform biosecurity matter control as required. Weed and revegetate as required to protect and maintain environment.
- Additional trees planted to boundary edge to screen neighbours.
- Break in fencing and bench seating for emergency and maintainence vehicular access from carpark. Removable bollards to concrete pad.
- Upgraded fencing to oval edge. Concrete pad to bench seating. Seating furniture as per Branxton Town Centre Masterplan.
- Sealed parking to the oval
- Sealed road for access around site. To be coordinated with hydraulic engineer in flood zone.
- 10. Lighting to be 24V powered and connected to mains power.
- 11. Existing trees to be removed.
- 12. Existing trees to be retained.
- 13. Nominated RV parking. Refer RV Site Detail
- 14. Smaller RV Sites with no allocated vehicle space.
- 15. Indicative informal/overflow carparking
- 16. 3m wide, sealed share path
- 17. Northern park area with jetty. Refer separate detail
- 18. Eastern Park. Refer separate detail
- 19. Proposed stage area. Refer separate detail
- 20. Smaller trees to reduce shade on RV solar panels as per Community Feedback
- 21. Fencing to define boundary edge
- 22. Gate between the sports field and Croquet Club to allow lawn mower access

LEGEND



EXISTING TREES TO BE REMOVED



EXISTING TREES TO BE RETAINED



PROPOSED TREE PLANTINGS



EXISTING STRUCTURE TO BE RETAINED





AWNING ALLOWANCE MASS PLANTING



CONCRETE PATH



INDICATIVE WATER & ELECTRICITY POINT



INDICATIVE STREET LIGHT LOCATION



PROPOSED PICNIC SHELTER













MASTERPLAN:

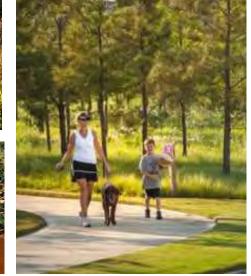
KEY AREAS =





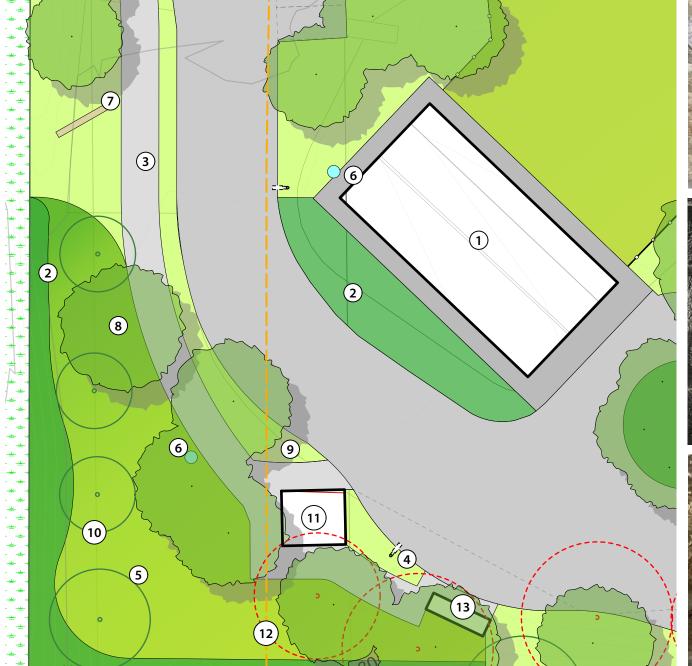


ENTRY DETAIL















NOTES

- Branxton public amenities block to be upgraded.
- 2. Native grass, low maintenance mass planting to frame entry point to RV area. Species such as Lomandra longifolia, Poa labillardierei, Ficinia nodosa, Lomandra confertifolia.
- 3m wide sharepath from waste disposal to RV area.
- Indicative street light placement.
- Entry park as informal rest area and entry threshold
- Indicative water point location.
- Entry signage at threshold. Sandstone wall with corten lettering and lighting behind.
- New scattered, natve trees to park.
- Turf verge to road edge
- 10. Existing trees to be retained.
- 11. Existing picnic shelter to be retained. Mains lighting to be incorporated.
- 12. Supplementary planting where existing trees are to be removed.
- 13. Waste disposal.





EXISTING TREES TO BE REMOVED



PROPOSED TREE PLANTINGS

EXISTING TREES TO BE RETAINED



XISTING WETLAND TO BE REVEGETATED





AWNING ALLOWANCE MASS PLANTING



CONCRETE PATH



INDICATIVE STREET LIGHT LOCATION



PROPOSED PICNIC SHELTER









POCKET PARK DETAIL =



3

3



3

5 8 (4) 3 9







NOTES

- Seating nodes along path to provide space for rest and views to wetland corridor.
- 3m wide share path to provide formal pedestrian and cycle access around site from carpark while also providing edge to wetland corridor.
- Native grasses, low maintenance mass planting to feature areas. Species such as Lomandra longifolia, Poa labillardierei, Ficinia nodosa, Lomandra confertifolia.
- Trees in turf to prevent vehicular
- parking within bushfire zone.
 Sealed, sandstone log bollards to
 provide edge and informal
- Pocket Park for informal rest and
- Existing picnic shelter to be retained with new lighting and water point.
- New trees to define park edge with native grass underplanting
- and corten steel edging.
 Potential for sculptural art piece to park. Opportunity for local artist engagement and First Nations design insertion.
- 10. Existing tree to be retained.

LEGEND



PROPOSED TREE PLANTINGS

CONCRETE PATH



EXISTING STRUCTURE TO BE RETAINED

AWNING ALLOWANCE

MASS PLANTING

INDICATIVE WATER & ELECTRICITY POINT

INDICATIVE STREET LIGHT LOCATION

PROPOSED PICNIC SHELTER











6 1 (7)2 RV SITE DETAIL







RV SITE DETAIL

NOTES

- . 20 nominated sites for RV parking. Located outside the bushfire zone. 48m² (12m x 4m). Sites with space for parking in front and 3m wide awnings expansion to side of site.
- Allocated vehicular space for each site
- 3. RV Sites to be located outside bushfire protection zone
- 4. Each site number to be identified by sandstone log with corten plaque to front of site near road. To coordiante with entry signage and material use around site.
- 5. Sandstone logs between sites to define edge6. New, small, scattered trees to
- New, small, scattered trees to provide edge and shade, whilst allowing sun for RV solar panels, as per Community Feedback
- 7. Indicative water and electricity point
- 8. Existing tree to be retained

LEGEND



EXISTING TREES TO BE RETAINED



PROPOSED TREE PLANTINGS



AWNING ALLOWANCE

INDICATIVE WATER & ELECTRICITY POINT









9

(4)

7

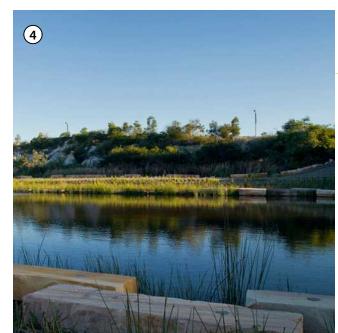
(5)



6

(8)









NOTES

- Existing wetland and grassland biome to be retained and protected. Weed and revegetate as required to protect and maintain environment.
- Pier to pond with seating. Pond within wetland environment to be retained. Weeded and revegetated to encourage habitat and ammenity
- 4. Existing interface to be weeded and clearly defined
- 5. New Landmark Pro Brighton Series double shelter with BBQ, picnic table, water point and mains power for lighting.
- Open turf area with scattered trees provides picnic area away from camping space.
- 3m wide share path
- Existing and new trees to provide natural bollard restricting access to parking in bushfire zone.
- 9. Existing wetland and grassland biome to be retained and protected. Retain as native vegetation and perform biosecurity matter control as required. Weed and revegetate as required to protect and maintain environment.

LEGEND

NORTHERN PARK



PROPOSED TREE PLANTINGS

DETAIL =





MASS PLANTING

CONCRETE PATH INDICATIVE WATER & ELECTRICITY POINT

INDICATIVE STREET LIGHT LOCATION

PROPOSED PICNIC SHELTER

SANDSTONE LOG

POND VIEWING PLATFORM. SUGGESTED FRP GRATING









3











NOTES

- Existing and proposed scattered trees for shade to turf area and potential market stall location near stage
- 2. Landmark Pro Brighton Shelter, connected to mains power and lighting to end of oval.
- 3. Sandstone retaining to raised earth platform with finished decogranite top. Sandstone steps to match retaining, sealed to avoid mould and algae.
- 4. Double inteferace to open turf area for market events and oval interface for presentations.
- 5. Suggested water point location
- 6. Gate to upgraded oval fencing as direct access to stage from oval.
- 7. Large native shade tree.





EXISTING TREES TO BE RETAINED



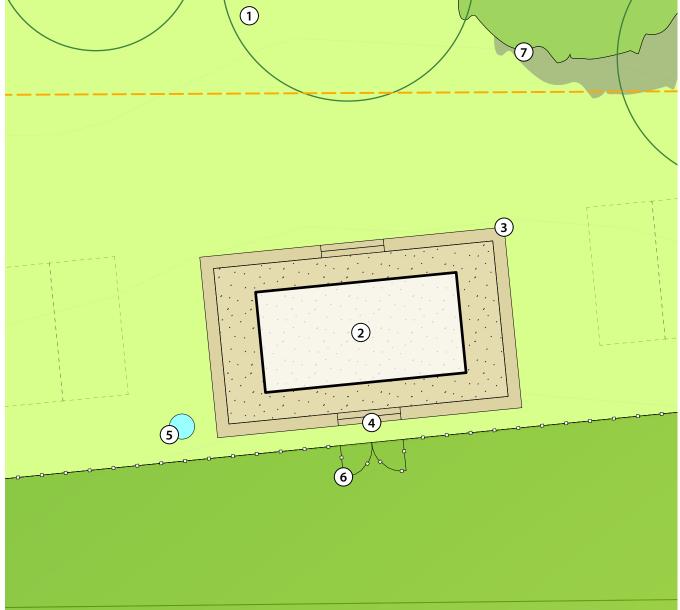
PROPOSED TREE PLANTINGS



TOTAL TALES















NOTES

- Open turf area with scattered trees provides picnic area away from camping space. Scattered endemic and native
- trees.
- Native grass mix, low maintenance mass planting. To feature areas. Species such as Lomandra longifolia, Poa labillardierei, Ficinia nodosa,
- Lomandra confertifolia.

 4. New Landmark Pro Brighton
 Series picnic shelters with water and lighting connected to mains power.
- Sandstone logs to prevent parking within bushfire zone. New Landmark Pro Brighton
- Series double shelter with BBQ, picnic table, water point and mains power for lighting. As per Community Feedback.

LEGEND



EXISTING TREES TO BE REMOVED



PROPOSED TREE PLANTINGS



MASS PLANTING

TURF AREA



CONCRETE PATH



INDICATIVE STREET LIGHT LOCATION

INDICATIVE WATER & ELECTRICITY POINT



PROPOSED PICNIC SHELTER



SANDSTONE LOG





3









LANDSCAPE STRATEGIES





CIRCULATION

NOTES

- 3m wide share path to loop site and connect RV sites to activated green spaces.
- Proposed sealed roads for formal, RV circulation paths and vehicular movement
- 3. Circulation to entry of RV Area as per Branxton Town Centre Masterplan, by others.

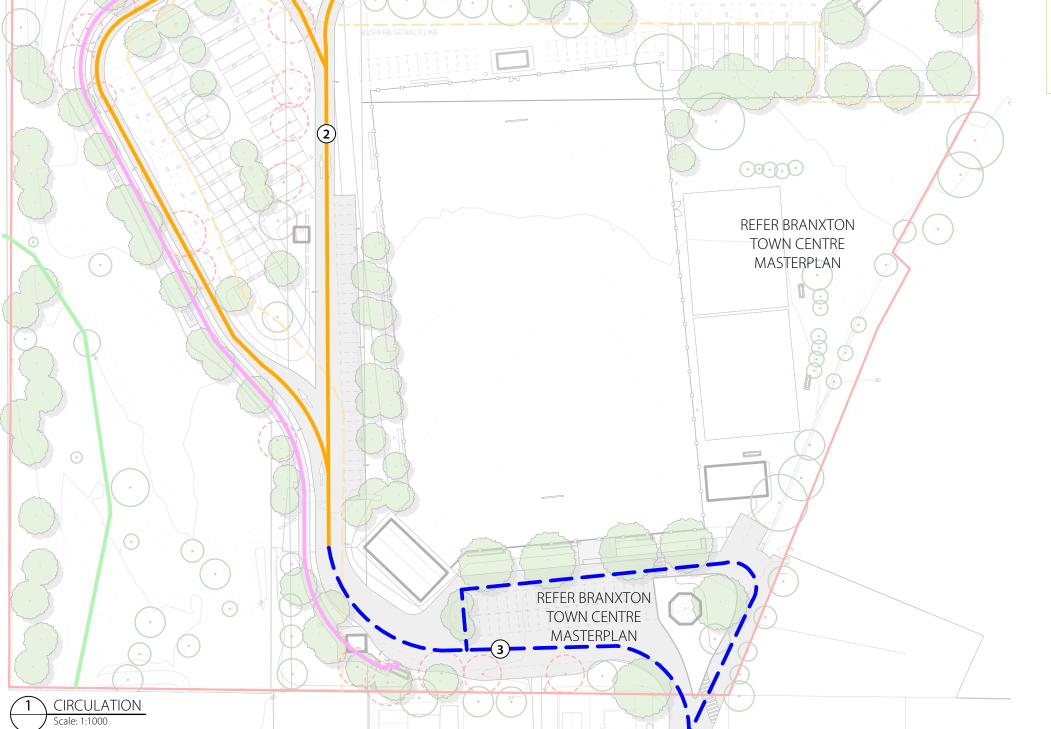
LEGEND



PROPOSED ROAD, BY OTHERS.

CONCRETE PATH

COMPACTED GRAVEL







FURNITURE

NOTES

- Branxton public amenities block to be upgraded.
- 2. Shade structure atop raised earth mound stage with water and power point.
- Existing shade structure to be retained.
- Proposed entry signage
- Bench seating with concrete pads to edge of sportfield as per the Branxton Town Centre Masterplan, by others. Concrete pad from carpark to oval with removable bollards.
- 6. Lighting connected to mains power to formal carpark and RV road and sharepath.
- Seating node as per the Branxton Town Centre Masterplan.
- Existing structure to be retained. Mains power and water point to be connected.
- Sealed sandstone logs on compressed decogranite as informal bollards and threshold to park area
- 10. Proposed bench seating to match those previously nominated in Branxton Town Centre Masterplan, by others.
- 11. Sandstone log and corten plaque to identify RV sites
- 12. Sandstone boulders as informal features to define RV site boundaries
- 13. Proposed shade structure with lighting and water access point. BBQ and picnic seating underneath for interface with the open park space and wetland area.
- 14. Pond viewing platform with seating to view wetland environment.
- 15. Proposed shade structure with water and power point for lighting, picnic shelter, BBQ and seating.

LEGEND

EXISTING STRUCTURE TO BE RETAINED

INDICATIVE STREET LIGHT LOCATION

PROPOSED PICNIC SHELTER

SANDSTONE LOG

POND VIEWING PLATFORM. SUGGESTED FRP GRATING









TREE CANOPY

NOTES

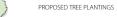
55 326m² Site area Existing canopy 5 646m² Existing canopy coverage 10.20% Existing canopy retained 3 909m² 9 135m² Proposed canopy Proposed canopy coverage 23.58%

LEGEND



EXISTING TREES TO BE REMOVED

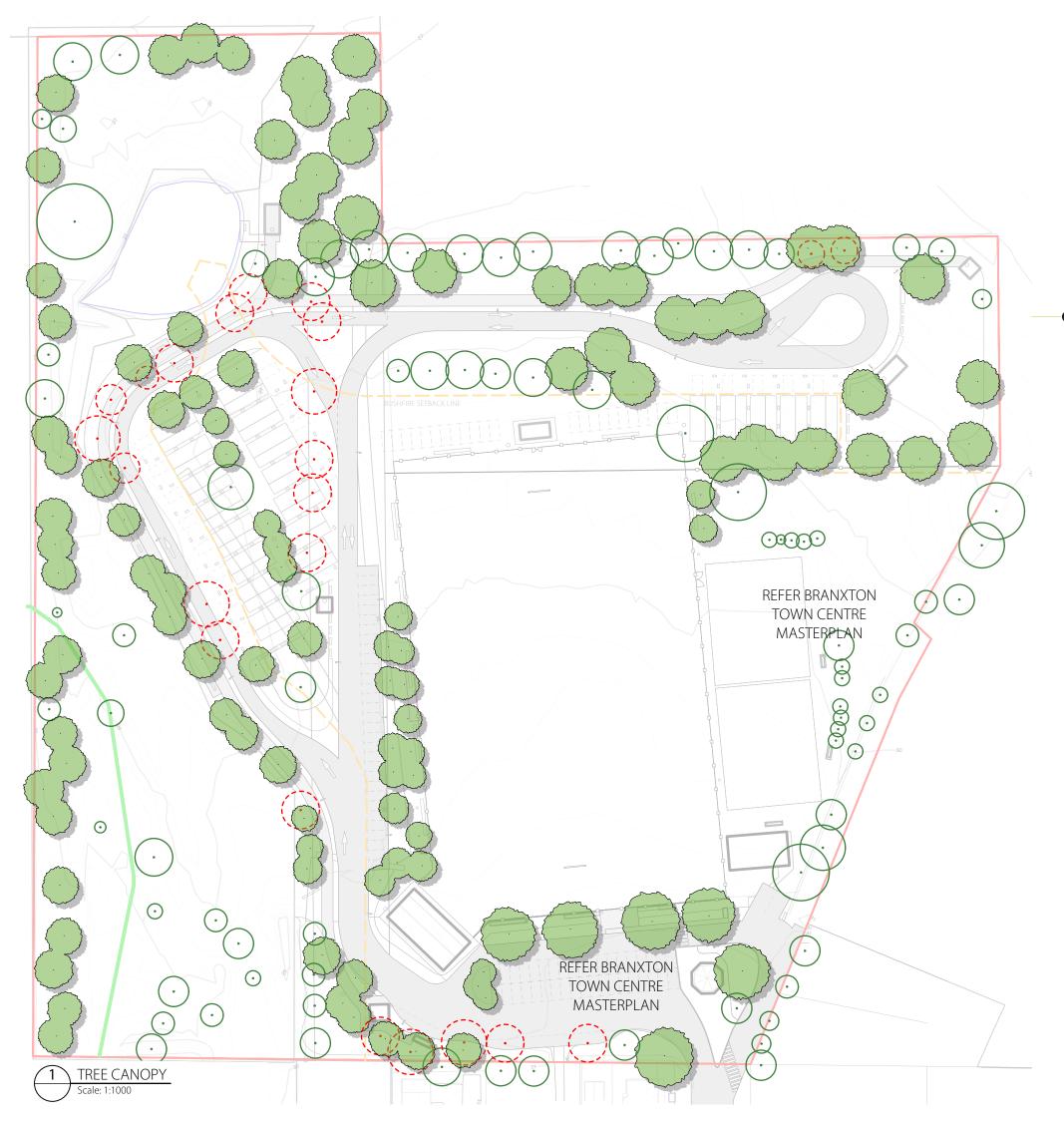
EXISTING TREES TO BE RETAINED











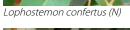
PLANT PALE











Eucalyptus camaldulensis(E)

Brachyscome multifida (E)





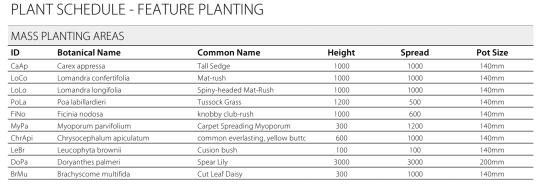
Eucalyptus crebra(E)

Poa labillardieri (E)











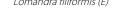


Lomandra confertifolia (E)



Lomandra filiformis (E)

Ficinia nodosa







Carex appressa (E)















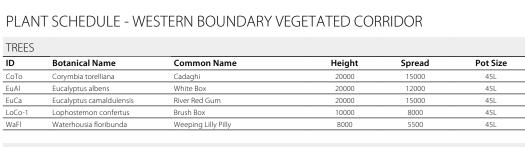












zeprospermam porygamonam (z)
Breynia oblongifolia (E)





MASS PLANTING ID Botanical Name Common Name Height Spread Pot Size Breynia oblongifolia "Coffee Bush, Oblong-leaved Breynia CaAp Tall Sedge 1000 1000 Tube Carex appressa FiNo Ficinia nodosa knobby club-rush 1000 600 Tube GrSe Grevillea sericea Pink Spider Flower 1300 1100 Tube JuUs 1000 LePo "Tantoon, Lemon-Scented Tea Tree" 2500 5500 Leptospermum polygalifolium Manuka Myrtle LeSc Leptospermum scopa 1000 LoCo Mat-rush 1000 Tube Lomandra confertifolia LoFi Lomandra filiformis Wattle Mat-rush 500 Spiny-headed Mat-Rush PoLa Poa labillardieri Tussock Grass PoSi Poa sieberiana Tube Grey tussock Grass WeFr Tube Westringia fruticosa Coastal Rosemary 1500



CONNECTION TO COUNTRY



Opportunity for design insertion into site signage and naming.



Opportunity for design insertion into potential artistic element.



Planting of endemic species to establish a sense of place and connection to Country specific to site.

