



APPENDIX F

DETAILED LANDSCAPE CONCEPTS



OPEN SPACE SUMMARY



PUBLIC OPEN SPACE

- Large open turf fields for sport and recreation
- Gathering spaces and basic picnic/BBQ facilities
- Path network which links into the greater Zig Zag Road development
- Pockets of native planted areas



DRAINAGE SPACE

- Predominantly native planting with turf for over 1:5 storm event
- Passive use
- Pedestrian/Cycle Path network which links into greater Zig Zag development
- Viewing platforms and picnic facilities



TRAMWAY

- Retain and protect all existing native vegetation
- Pocket planting of revegetation species
- Informal path network to link into development and greater Tramway



FUTURE HIGH SCHOOL



DRAINAGE RESERVE



EXISTING PUMP STATION

LEGEND

- EXTENT OF WORK
- PROPOSED FIREBREAK
- DRAINAGE STORAGE AREAS
- POSSIBLE SEATING OR SHELTER
- POTENTIAL SIGNAGE
- WATER CORP EASEMENT
- BPZ BUILDING PROTECTION ZONE CONSIDERATIONS
- A ACTIVE PLAYING FIELDS
- B DRAINAGE SPACE



ZIG ZAG ROAD BALDIVIS STRUCTURE PLAN

LANDSCAPE JOB NUMBER : ZZ-01 : JANUARY 2015 : REV J

(REFERENCE: TBB Plan 06/082/0201 (01.04.2014))

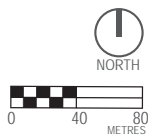


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LEGEND

- ① ACTIVE PLAYING FIELDS
- ② PAVILLION AND CHANGEROOMS (by others)
- ③ PROPOSED RESTING POINTS (With possible seating and/or shade)
- ④ ENTRY AREA
- ⑤ BOARDWALK OR PATH
- ⑥ CAR PARK (by others)
- ⑦ DRAINAGE SWALE
- ⑧ INFORMAL AMPITHEATRE



CONSIDERED



PRACTICAL



COMFORTABLE



INFORMATIVE



TEXTURAL



CONNECTED

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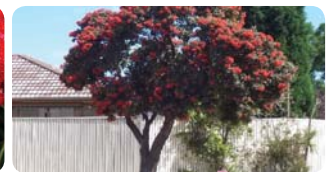
Agonis flexuosa - WA Peppermint



Callistemon 'Kings Park Special'



Corymbia ficifolia - Red Flowering Gum



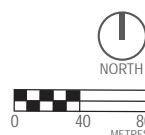
Eucalyptus leucoxylon 'Rosea'



Eucalyptus victirix - Western Coolibah



Fraxinus 'Raywoodii' - Claret Ash



Note:
Street trees located in Public Open Space areas with Building Protection Zone considerations are to apply to the relevant tree canopy separation requirements



LEGEND

- PUBLIC OPEN SPACE
- A PUBLIC OPEN SPACE PLAN REFERENCE



Agonis flexuosa



Banksia attenuata



Banksia grandis



Banksia menziesii



Casuarina obesa



Corymbia ficifolia



Eucalyptus gomphocephala



Eucalyptus sideroxylon



Eucalyptus victrix



Eucalyptus wandoo



Macrozamia reidiei



Melaleuca lanceolata



Melaleuca preissiana



Melaleuca quinquernervia



Xanthorrhoea preissii



0 40 80
METRES

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emerge
ASSOCIATES
Integrated Science & Design

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POS TYPOLOGY

- Sporting Precinct

SIZE (excluding verges)

- 40,080 square metres

CONCEPT

- Provide for active playing fields for multiple sporting uses for the broader community
- Create a safe local park which is intended to be heavily planted in pockets with shade trees
- Provide picnic facilities
- Provide safe pedestrian and cycle linkages to the broader path network and greenlinks.
- Provide facilities for both passive and open active recreation

ENVIRONMENTAL CONSIDERATIONS

- Waterwise native planting
- Planting design to be zoned according to irrigation requirement
- Dry gardens with gravel mulch, clumping plants and limited irrigation
- Source local materials where possible
- Consider the long term maintenance requirements for all materials

DRAINAGE CONSIDERATIONS

Drainage Basin A

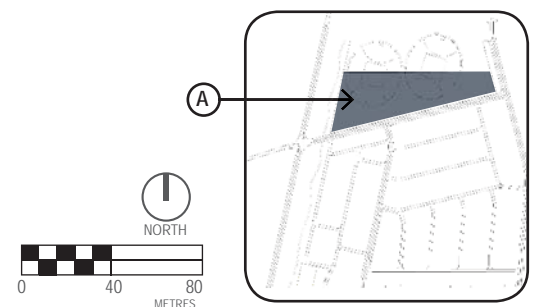
- 1:1 Bio retention area approximately 640 square metres
- 1:5 Flood storage area approximately 1620 square metres
- 1:100 Flood storage area approximately 5625 square metres

Drainage Basin B

- 1:1 Bio retention area approximately 490 square metres
- 1:5 Flood storage area approximately 1040 square metres
- 1:100 Flood storage area approximately 3525 square metres

FUNCTIONS

- Future active playing fields
- Native waterwise planting with areas of dry gardens
- Maximise shade trees
- Picnic Facilities for family/friend gatherings
- Possible viewing platforms
- Path network connecting into broader path network.



Considered - Balance turf and planted areas



Connectivity - Pedestrian and Cycle links



Comfort - Shaded nooks

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DRAINAGE 1 CONCEPT

POS TYPOLOGY

- Local Informal

SIZE (excluding verges)

- 8320 square metres

CONCEPT

- Provide a local park to cater for residents within a 200 - 400m walking catchment
- Create a safe local park which is intended to be planted with shade trees and provides low key informal picnic facilities, viewing platforms and shade.
- Provide safe pedestrian linkages both throughout the park as well as linking into the broader path network.

FUNCTIONS

- Possible informal small turfed amphitheatre
- Native, water wise planting.
- Shade trees with emphasis on native species
- Picnic facilities
- Internal path network
- Path network connecting into the broader path network

ENVIRONMENTAL CONSIDERATIONS

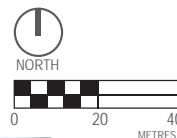
- Waterwise native planting
- Planting design to be zoned according to irrigation requirements
- Dry gardens with limited irrigation
- Source local materials where possible
- Consider the long term maintenance requirements for all materials

DRAINAGE CONSIDERATIONS

- 1:1 Bio-retention area approximately 1300 square metres
- 1:5 Flood storage area approximately 2035 square metres
- 1:100 Flood storage area approximately 7055 square metres



BOARDWALK OR ACCESS PATH
POSSIBLE INFORMAL AMPITHEATRE
RESTING POINTS WITH POSSIBLE SEATING AND/OR SHADE



Comfortable - Areas for viewing and relaxing



Viewing - Points for looking out over POS



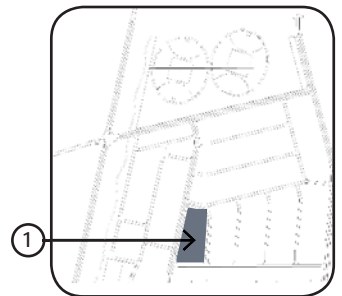
Colour - Planting provides contrasts in colour



Comfort - Provide seating for gatherings



Connectivity - Internal and external pedestrian links



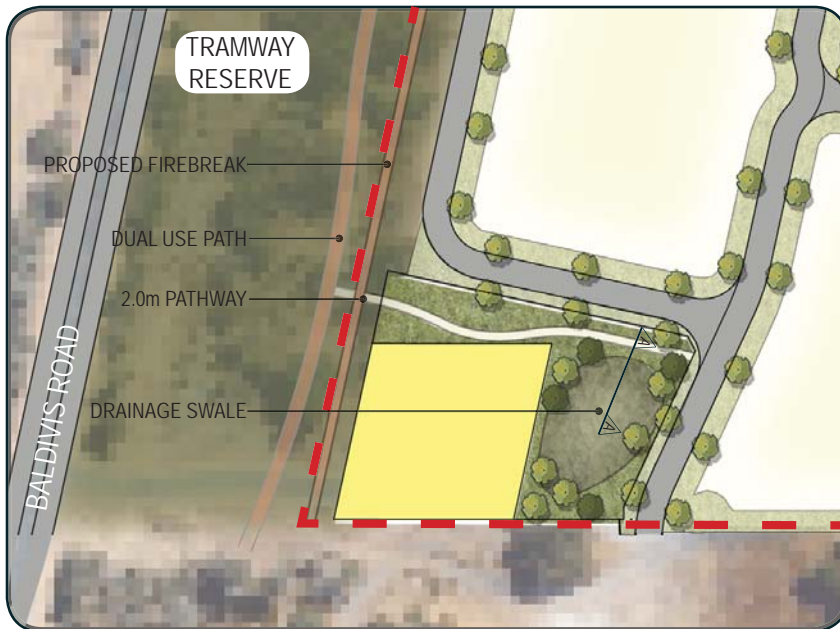
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DRAINAGE 2 CONCEPT



CONCEPT

- Maintain and protect all existing vegetation within tramway reserve
- Meandering path that connects firebreak to greater path network
- Limestone firebreak runs adjacent to boundary
- Planting pockets of native re-vegetation

FUNCTIONS

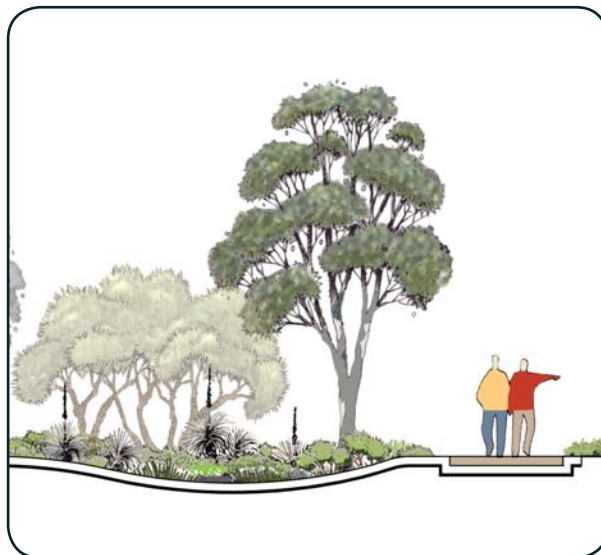
- Native re-vegetation planting
- Crushed limestone firebreak
- Drainage swale
- Provide linkages to pedestrian networks within and outside of the development area

ENVIRONMENTAL CONSIDERATIONS

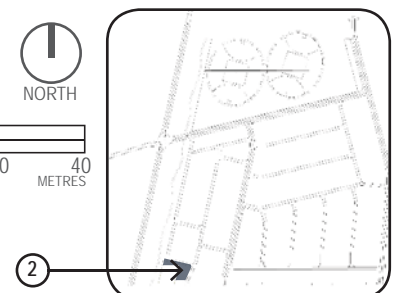
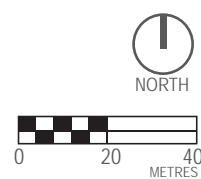
- No irrigation
- Re-vegetation of native plant communities to strategic nodes. Locations to be determined in detailed design
- Removal of weed species

DRAINAGE CONSIDERATIONS

- 1:1 Bio retention area 163 square metres
- 1:5 Flood storage area 270 square metres
- 1:100 Flood storage area 620 square metres



SECTION A-A



Meandering pathway connecting into broader network



Drainage swale with native vegetation



Vegetation bands of varying colours and textures

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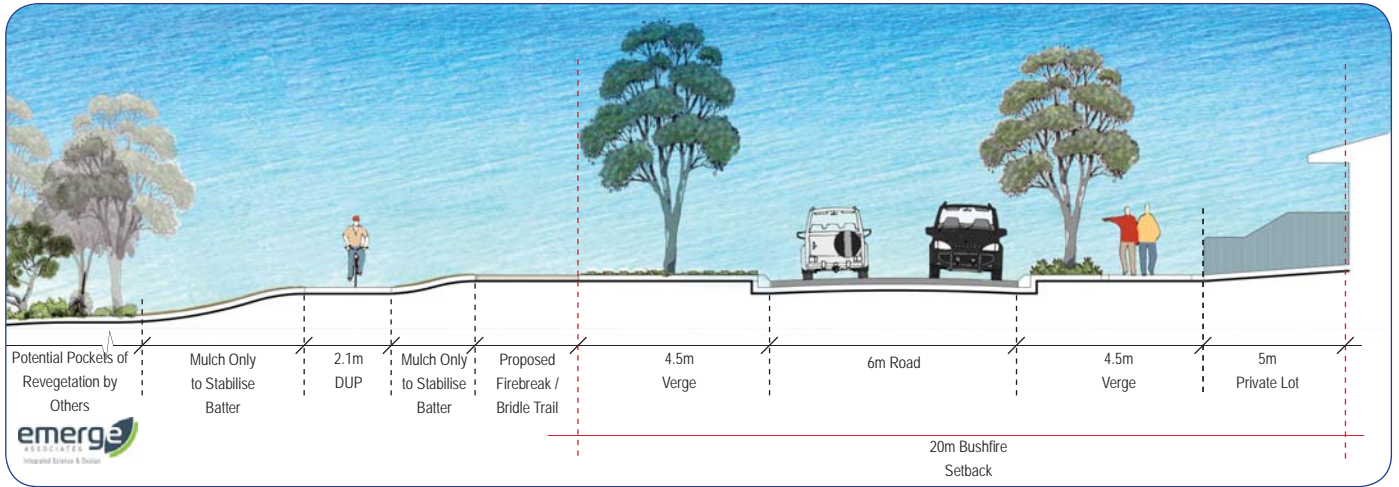


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TRAMWAY SECTIONS

Sections are based on measured cross sections provided by The Civil group reflecting likely fill levels and the current natural surface levels.

TRAMWAY SECTION ONE



TRAMWAY SECTION TWO

