sheet index

DRAWING NUMBER	SHEET NAME	REV. No.	REV. DATE
12207.5 L01	Landscape design report	D	24/5/18
12207.5 L02	Existing site plan	D	24/5/18
12207.5 L03	Landscape master plan	D	24/5/18
12207.5 L04	Landscape entry plan	D	24/5/18
12207.5 L05	Dementia courtyard plan	D	24/5/18
12207.5 LO6	Community centre + park	D	24/5/18
12207.5 L07	Typical residential plan	D	24/5/18
12207.5 L08	+ sections	D	24/5/18
12207.5 L09	Fencing plan	D	24/5/18
12207.5 L10	Materials + components	D	24/5/18
12207.5 L11	Planting schedules	D	24/5/18

landscape development application

Anglican Care
Gloucester RACF Development
1 - 25 Clement Street, Gloucester NSW 2242



SITE - GENERAL DESCRIPTION

The proposed development site comprises of LOT 1 DP/ 582158, LOT 4 DP/582158 and LOT 106 DP/861914, Clement Street, Gloucester, NSW 2422. The total development area is a 2.997 Ha parcel of vacant farm land adjacent to Gloucester High School on Ravenshaw Street.



IMAGE: NearMap 2018

SOIL TYPE

Much of the Gloucester is hilly and steep which makes it unsuitable for various forms of land use. The diverse range of geology through the area, has given rise to a number of extractive materials, including precious stones, gold and coal. Soils vary significantly throughout the Shire, due to the geological structure. They range from alpine humus soils in the Barrington Tops/Gloucester Tops area, to alluvial soils along the drainage paths and river systems. There is however, a significant absence of those soils suitable for prime agriculture and continued cropping within this Shire.

VEGETATION

The proposed site is mostly open grassland with scattered trees mainly native with some naturalised exotic species. The area contains a number of trees with various stages of maturity and life expectancies. Most of these species are currently present on site, either as individual specimens or (more commonly) in copses and more prevalent in the site.

The majority of trees located on site will be either directly affected or will have the potential to be impacted by the proposed works. A total of 35 trees are on the site and all of which 34 are located on site and 1 located at the southern boundary of Gloucester High School. The existing vegetation species consists of sporadic tall open forest containing Eucalyptus crebra (Narrow-leaved Ironbark) Eucalyptus molaccana (Grey Box), Eucalyptus tereticornis (Forest Red Gum) with the odd Pinus radiata (Radiata pine).

LANDSCAPE CHARACTER AND VISUAL AMENITY

The Shire of Gloucester is situated on the eastern slopes of the Great Dividing Range, encompassing an area of 2951.6sqkm. Much of this area is protected land, either State Forest, National Parks or very steep and rugged terrain. The rugged mountain ranges and escarpments to the west provide a high visual contrast to the cleared cultivated alluvial plains.

The landscape is varied throughout the Shire, which makes it unique to many other areas of New South Wales. The higher plateau country to the west is typified by open forests; with vegetation and land use evolved and developed to suit the colder climate.

The World Heritage-listed Barrington Tops National Park and large areas of State Forest are located in the southern and western parts of the Shire. This generally encompasses less fertile land, which is significantly affected by constraints such as slope and topography. This area however, represents a significant tourism resource for the area and is relatively pristine and has a high conservation value. The striking natural landscapes of the Gloucester area are a significant resource for the Shire and dominate the vistas into and out of Gloucester.



IMAGE: Goggle Street View

PROPOSED DEVELOPMENT

The proposal includes a two staged development project with works that will initially include earth works activities which will involve benching and soil level changes to achieve the desired levels.

From this point trenching will be required for the installation of services form the Clement Street to adjoin with private infrastructures. The building works will commence with phase 1 including the construction of a 44 bed residential aged care facility (RACF) and a service drive way entry from Clement Street. Phase 2 includes the construction of a community centre with up to 30 independent living units (ILU) and connecting service roads. The project scope includes road upgrade works and the construction of a main entry from Clement Street.

PROPOSED LANDSCAPE WORKS AND OBJECTIVES

The landscape objectives include several key elements:

- 1. Retention of existing character of the area.
- 2. Retention of significant existing vegetation,
- 4. Provide screening of the internal development density from both the street and the adjoining properties.
- 5. Internal landscaping areas including common and private open space.
- 6. Pleasing open character to the internal areas of the development including passive garden areas, community spaces, sitting areas and canopy tree planting throughout the site.

The landscape plans shows extensive complementary open canopy planting that will significantly exceed the current planted canopy existing on site. Taller native tree plantings throughout ensure that the canopy vegetation continues through the site area rather than just peripheral planting areas. The extensive canopy cover shall continue into the site along the main entry road and throughout the overland flow path. Refer to arborist report for further detail for high value trees to be protected and tree protection zone offsets

The access road entering the site has been provided with a wide landscaped verge to allow extensive mass planting of screening landscape incorporating groundcovers, shrubs and canopy trees. This proposed landscape will provide a visual buffer when looking into the site, effectively screening the internal dwellings from Clement Street. The overland flow paths running east/ west across the site shall contain sandstone spallings and open turf swales along the approximate centerline with some areas mass plantings of native grasses in organic shaped patterns to simulate a more naturalised environment. Scattered open canopy planting along the eastern portion of the site shall reinforce the natural watercourse that has been protected. When viewed from a distance, this area shall contribute to the existing canopy cover both on site and surrounds, further enhancing the character of the area. It also provides a vegetated visual separation between the front and rear portions of the site, green avenues along the road axis, thus increasing the visual amenity upon entering the site.

Landscaping to individual units aims to utilise solar access wherever possible to encourage a pleasant outdoor living area. Where rear yards are south-facing an additional deck area is set away from the building adjoined by a small deciduous tree to filter the intensity of summer sun. North facing sitting areas along the street interface shall also be offset with small deciduous trees to permit solar access and contribute to the streetscape. Where possible, drying areas are set away from external living areas and are accessed via large format pavers set into decorative gravel. Slatted screens or trellis systems shall screen the drying areas from outdoor living areas where required.

REFERENCES

Gloucester Shire Council – Local Environmental Study 2006

L. E. Henderson, 2000, Soil Landscapes of the Dungog 1:100 000 Sheet (Gresford, Dungog, Stroud, Gloucester), Department of Land & Water Conservation, New South Wales.

NSW Rural Fire Service, 2006, Planning For Bushfire Protection 2006, A Guide for Councils, Planners, Fire Authorities and Developers, NSW Rural Fire Service.

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B 1/5/18 ISSUE TO CLIENT
A 18/4/18 ISSUE TO CLIENT

Gloucester RACF Development

DRAWING:

Landscape design report

SITE:

1 - 25 Clement Street Gloucester NSW 2242

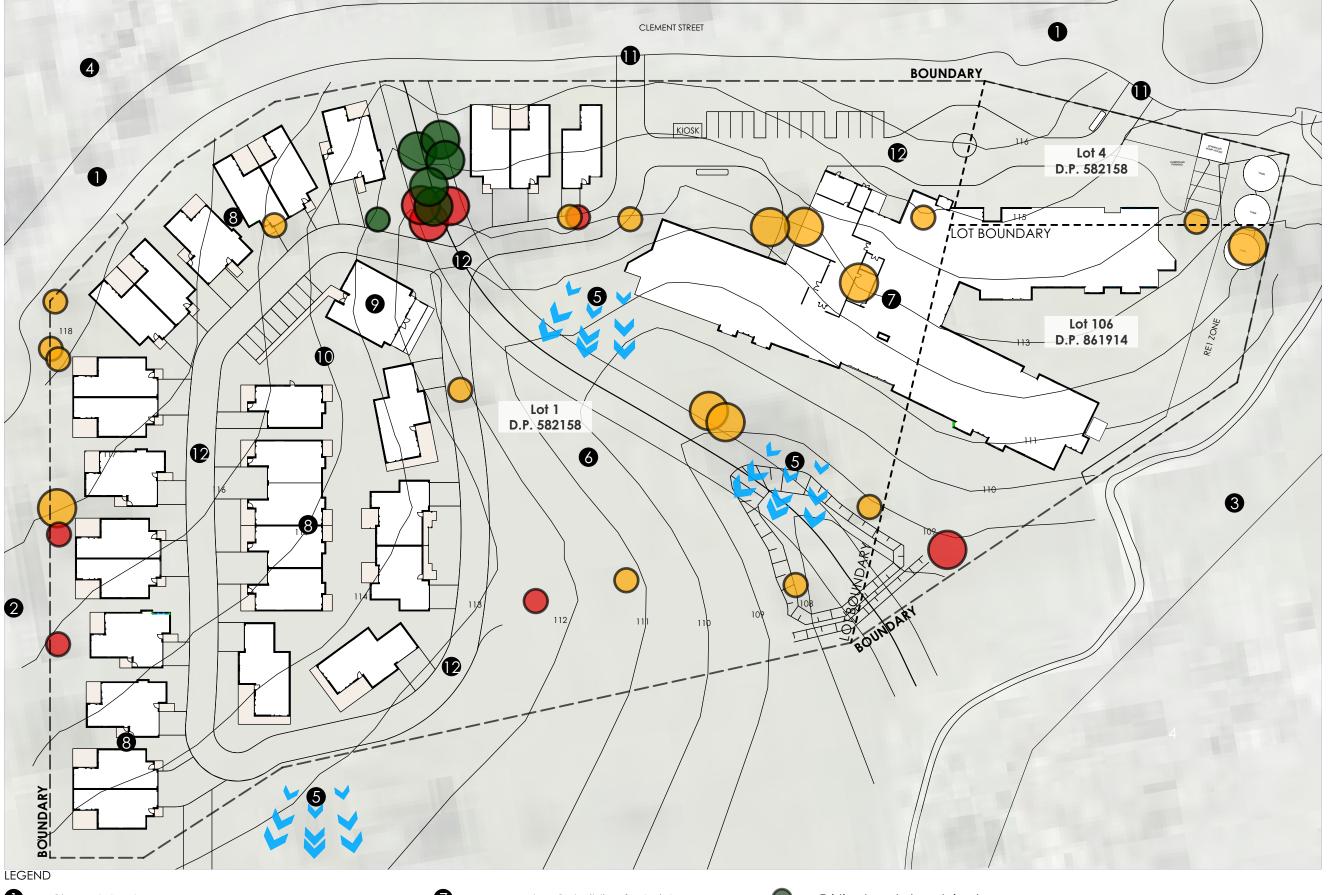
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12207.5 DA LO1 D



412 KING STREET NEWCASTLE NSW AUSTRALIA 2300



Clement street.

Gloucester high school

Council reserve

Single storey residential

Filtered views through to mountain range in the distance

Existing grassland

Proposed RACF building footprint.

Proposed small residential footprints

Proposed community centre

Proposed park/ playground

Entry/ exit points onto Clement street

Proposed roadway layout

Existing trees to be retained.

Existing trees to be removed.

Existing trees threatend by construction.

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B 1/5/18 ISSUE TO CLIENT A 18/4/18 ISSUE TO CLIENT

PROJECT:

Gloucester RACF Development

DRAWING:

Existing site plan

1 - 25 Clement Street Gloucester NSW 2242

Anglican Care

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JOB NUMBER: PHASE: DWG No: REV: **12207.5 DA LO2 D**





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LEGEND

New evergreen trees

New deciduous trees

New mass plantings

Private alfresco areas

Coloured concrete pathways

Public roadway/ footpath

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Gloucester RACF Development

DRAWING:

Landscape master plan

1 - 25 Clement Street Gloucester NSW 2242

Anglican Care

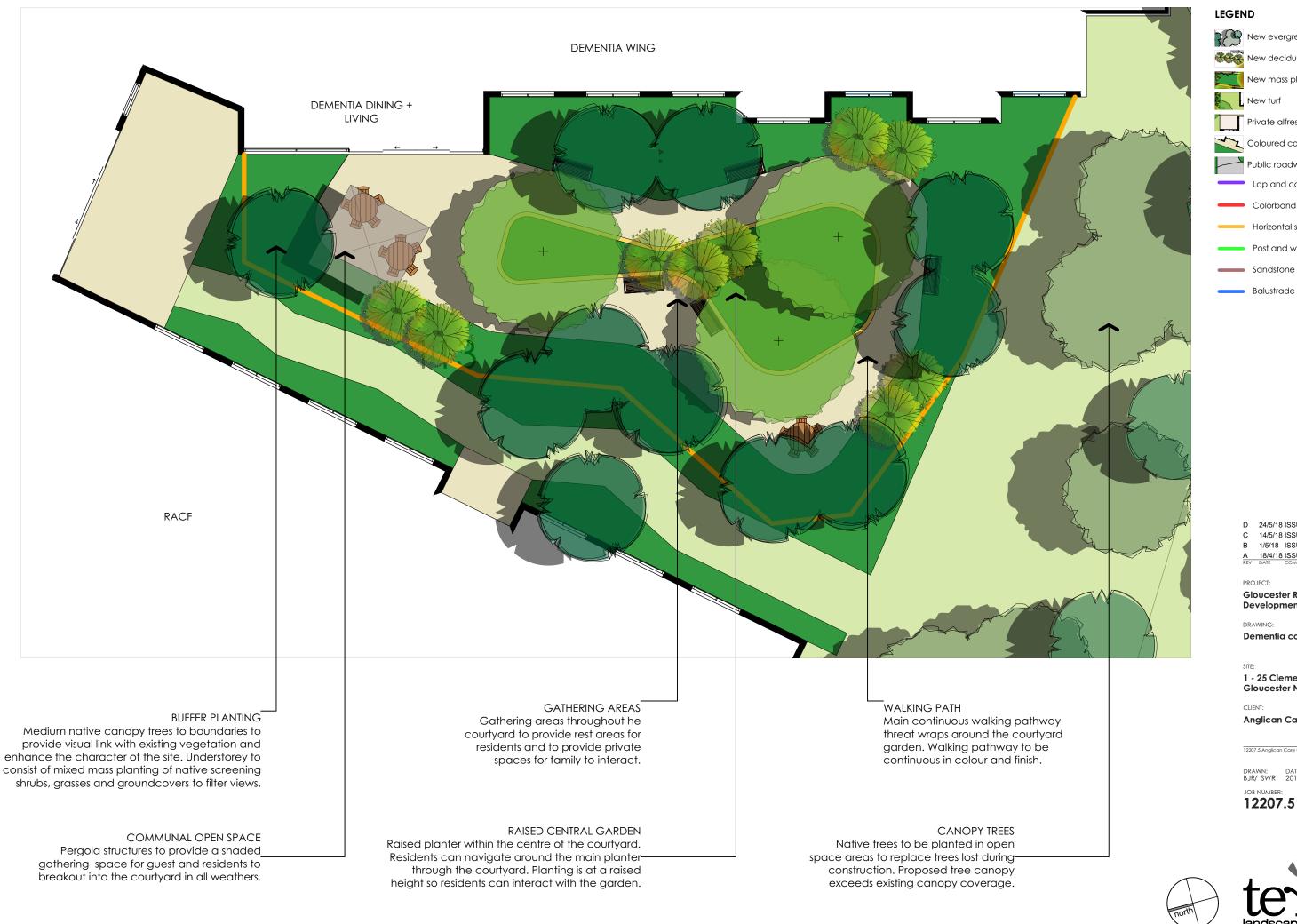
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LEGEND New evergreen trees New deciduous trees New mass plantings , New turf Private alfresco areas Coloured concrete pathways Public roadway/ footpath Lap and cap timber fence Colorbond fence Horizontal slat screens/ gates Post and wire fence Sandstone log retaining walls

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B 1/5/18 ISSUE TO CLIENT A 18/4/18 ISSUE TO CLIENT

Gloucester RACF Development

DRAWING:

Dementia courtyard plan

1 - 25 Clement Street Gloucester NSW 2242

Anglican Care

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JOB NUMBER: PHASE: DWG No: REV: **12207.5 DA LO5 D**

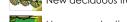


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New evergreen trees New deciduous trees



New mass plantings New turf

Private alfresco areas

Coloured concrete pathways

Public roadway/ footpath

Lap and cap timber fence

Colorbond fence

Horizontal slat screens/ gates

Post and wire fence

Sandstone log retaining walls

Balustrade

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A 18/4/18 ISSUE TO CLIENT

Gloucester RACF Development

DRAWING:

Community centre + park

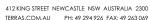
1 - 25 Clement Street Gloucester NSW 2242

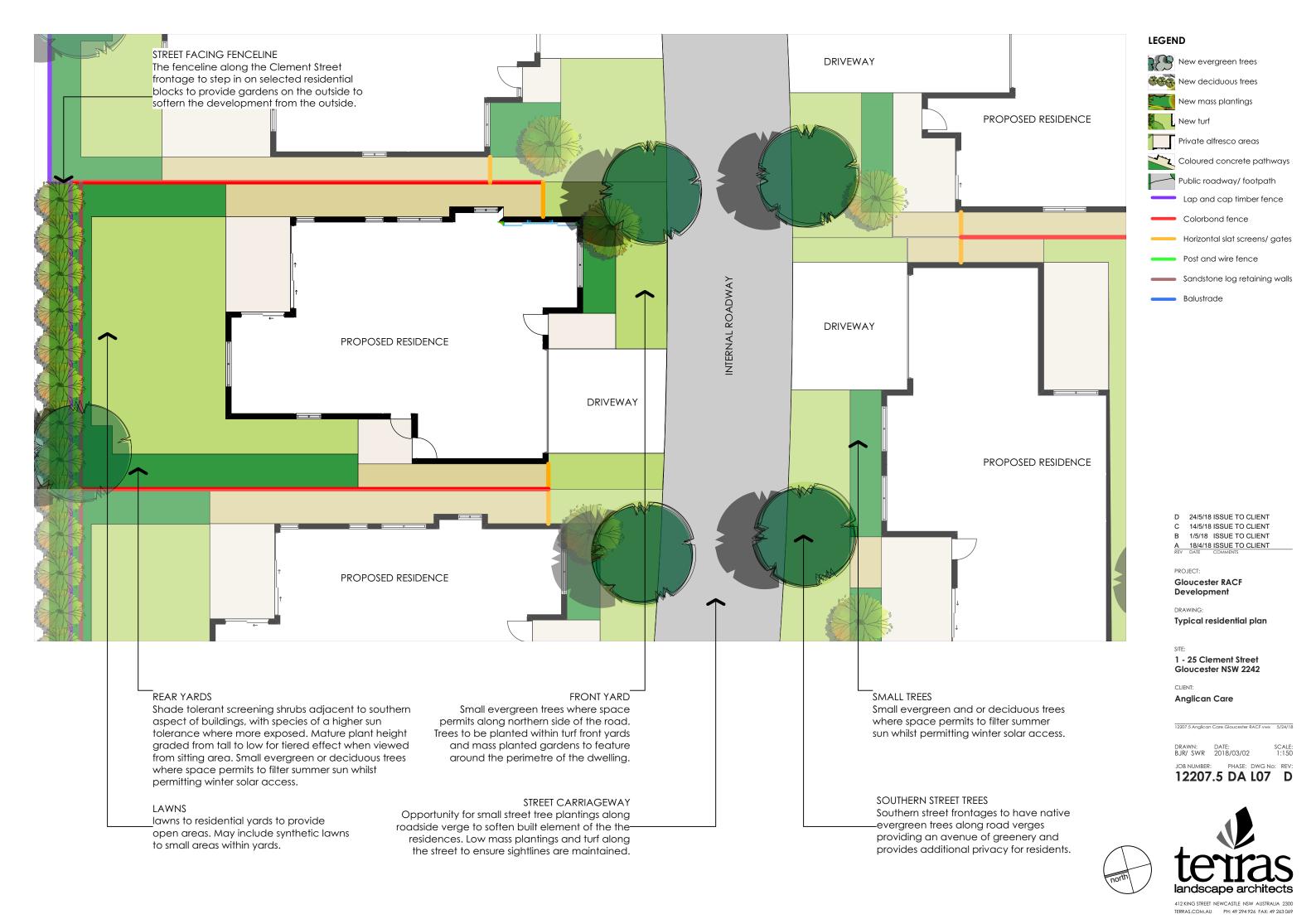
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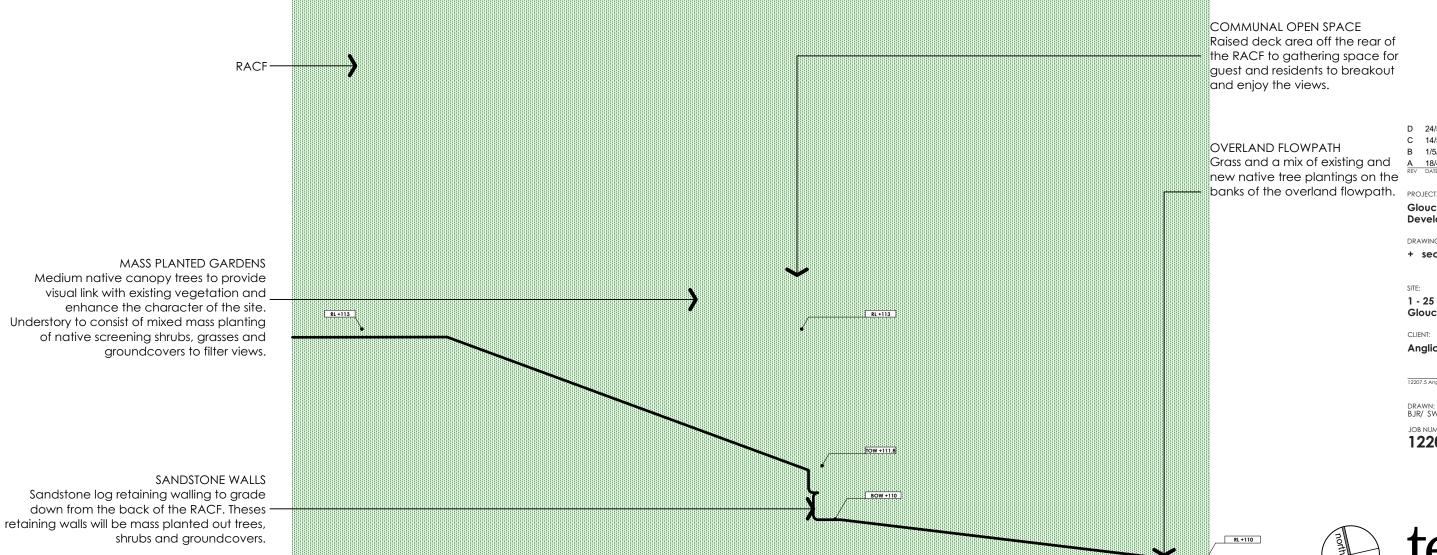
NATIVE TREES The Clement Street frontage to have SAFETY FENCELINE native evergreen trees along road verges Safely fenceline to be installed where and within mass planted gardens to required on top of the sandstone providing an avenue of greenery and retaining walls where the height is greater provides softening from the carriageway. than 1m. SANDSTONE WALLS Sandstone log retaining walling to grade TOW +115.5 down from the Clement Street level. Theses retaining walls will be mass planted out trees, shrubs and groundcovers. BOW +113.5

MASS PLANTED GARDENS

Medium native canopy trees to provide visual link with existing vegetation and enhance the character of the site. Understory to consist of mixed mass planting of native screening shrubs, grasses and groundcovers to filter views Smaller shrubs and grasses nearer to the road to enable clear sight lines along roadway.

FRONT ENTRY SECTION

Scale 1:70



COMMUNAL OPEN SPACE Raised deck area off the rear of the RACF to gathering space for guest and residents to breakout

Central driveway island.

-RACF

OVERLAND FLOWPATH Grass and a mix of existing and new native tree plantings on the

D 24/5/18 ISSUE TO CLIENT C 14/5/18 ISSUE TO CLIENT

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Gloucester RACF Development

DRAWING:

+ sections

1 - 25 Clement Street

Gloucester NSW 2242

Anglican Care

DRAWN: DATE: BJR/ SWR 2018/03/02

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Lap and cap timber fence - 1800mm

Colorbond fence - 1800mm

Horizontal slat screens/ gates - 1800mm

Post and wire fence - 1500mm

Sandstone log retaining walls - Varying heights

Balustrade

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B 1/5/18 ISSUE TO CLIENT A 18/4/18 ISSUE TO CLIENT

PROJECT:

Gloucester RACF Development

DRAWING:

Fencing plan

1 - 25 Clement Street Gloucester NSW 2242

Anglican Care

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PUBLIC GARDENS



LEGEND

- Α Sandstone log walling.
- Overland flow path treated like an dry creekbed with rock spalling and native grasses.
- Example of playground equipment that can be installed within the community area.
- Post and wire chain fence line.
- Entry feature example.

- Concrete/ crushed granite pathways.
- G Residential dwellings with private gardens.
- Entry feature signage. Backlit stainless steel.
- Sandstone clad pillar with rural open fence rails.
- Communal area shade structure.

DEMENTIA GARDENS









- D 24/5/18 ISSUE TO CLIENT C 14/5/18 ISSUE TO CLIENT
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Gloucester RACF Development

DRAWING

Materials + components

1 - 25 Clement Street Gloucester NSW 2242

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- Little gardens gnomes with happy faces.
- Raised central garden with continual pathway.
- Large teak outdoor dining setting.
- Picket fence and decorative statues.
- 0 Metal garden ornament.

- Mushroom ornaments.
- Q Small teak out setting.
- Garden duck statues.
- S Example of water feature.
- Raised gardens and shade sail for added shade.

Metal garden ornamentation.



PLANT ABV	SCHEDULE - PUBLIC GARDENS BOTANICAL NAME	COMMON NAME	POT SIZE	MATURE SIZE	PLANT ABV	SCHEDULE - PRIVATE GARDENS BOTANICAL NAME	COMMON NAME	POT SIZE	MATURE SIZE	
TREES	DOTANICAE NAME	COMMON NAME	1 01 3122	MATORE SIZE	TREES	DOTANICAL NAME	COMMON NAME	1013122	MATORE SIZE	
AC	Angophora costata	Smooth Barked Apple	45 litre	25 x 6m	CR	Corymbia 'Summer Red'	Dwarf Red Eucalyptus	75 litre	5 x 2.5m	
СМ	Corymbia maculata	Spotted Gum	45 litre	25 x 7m	ER	Elaeocarpus reticulatus	Blueberry Ash	25 litre	7 x 3m	
EG	Eucalyptus gummifera	Red Bloodwood	45 litre	25 x 7m	LI	Lagerstroemia indica	Crepe Myrtle	75 litre	4 x 4m	
EM	Eucalyptus microcorys	Tallowood	45 litre	35 x 8m	MG	Magnolia grandiflora	Little Gem	25 litre	6 x 4m	
EP	Eucalyptus punctata	Grey Gum	45 litre	30 x 8m	TL	Tristaniopsis laurina 'Luscious'	Water Gum	75 litre	9 x 4m	
JM	Jacaranda mimosifolia	Jacaranda	45 litre	12 X 10m			., ., ., ., .	, • •		
MQ	Melaleuca quinquenervia	Broad Leaved Paperbark	45 litre	9 x 5m	LARGE	SHRUBS				
TL	Tristaniopsis laurina	Water Gum	45 litre	10 x 4m	Ah	Acmena 'Hot Flush'	Dwarf Lilly Pilly	5 litre	3 x 1.5m	
					Mf	Michelia figo	Port Wine Magnolia	5 litre	4 x 3.5m	
SHRUB	S				Мр	Murraya paniculata	Murraya	5 litre	4 x 2m	
Ac	Acacia spp.	Wattle	5 litre	Variable	Sc	Syzygium 'Cascade'	Dwarf Lilly Pilly	5 litre	2.5 x 1.5m	
Am	Acmena spp.	Dwarf Lilly Pilly	5 litre	Variable	Vo	Viburnum odoratissimum	Glossy Viburnum	5 litre	4.5 x 2m	
Bs	Banksia spp.	Banksia	5 litre	Variable	, 0	viscinem ederanssimen	C1033) 11001110111	0 1111 0	1.0 X 2111	
Br	Banksia ericifolia 'Little Eric'	Dwarf Banksia	2.5 litre	1.5 x 0.9m	MEDIU	M SHRUBS				
De	Doryanthes excelsa	Gymea Lily	5 litre	2m	Ab	Abelia x grandiflora	Golden Abelia	2.5 litre	1.8 x 1.5m	
Ms	Melaleuca spp.	Paperbark	5 litre	Variable	Br	Banksia ericifolia 'Little Eric'	Dwarf Banksia	2.5 litre	1.5 x 0.9m	
Sy	Syzygium sp & cvs	Lilly Pilly	5 litre	Variable	Ec	Echium candicans	Pride Of Madiera	2.5 litre	1.5 x 1.5m	
Wz	Westringia cvs	Coast Rosemary	2.5 litre	Variable	Hr	Hibiscus rosa-sinensis	Hibiscus	2.5 litre	2 x 1.5m	
***	rresimigia evs	Coast Rosoniary	2.0 11110	Variable	Lc	Loropetalum chinense	Fringe Flower	5 litre	1.8 x 1.5m	
GRAS:	\$ F \$				LC	Loroperdiorn eninerise	rilige riower	3 1111 C	1.0 × 1.5111	
Ca	Carex appressa	Tussock Sedge	viro tube	1 x 1m	11000	SHRUBS				
Di	Dietes iridioides	Butterfly Iris	2.5 litre	1 x 1m	Bm	Buxus microphylla	Dwarf Box	2.5 litre	0.3 x 0.3m	
In	Isolepis nodosa	Knobby Club Rush	viro tube	1 x 1m	Сс	Coprosma cvs	Mirror Plant	2.5 litre	1.5 x 1.2m	
	Juncus usitatus	Common Rush	viro tube	0.8 x 0.7m	Rc	Raphiolepis cvs	Dwarf Indian Hawthorn	2.5 litre	1 x 0.7m	
Ju Ll	Lomandra longifolia	Mat Rush	2.5 litre	1 x 1m		Westringia 'Zena'		2.5 litre		
L†	Lomandra 'Tanika'	Dwarf Mat Rush	2.5 litre	0.8 x 0.7m	Wz	wesiningia zena	Dwarf Coast Rosemary	2.5 III16	0.8 x 0.8m	
LI	Lorriaria a Tarrika	DWall Mai Rusii	2.5 IIII e	0.6 X 0.7111	A C C E	NT PLANTINGS				
ACCE	NT PLANTINGS						Agananthus	2.5 litre	0.4 x 0.4m	
	Aspidistra elatior	Cast Iron Plant	2.5 litre	0.6 x 0.5m	Ap	Agapanthus praecox	Agapanthus Cordyline	15 litre	2 x 1.2m	
Ae An	•	Bird's Nest Fern	2.5 litre	0.75 x 1.2m	Ca	Cordyline australis Cordyline 'Red Sensation'	Dwarf Red Cordyline	2.5 litre		
An	Asplenium nidus Cordyline cvs	Cordyline	2.5 litre	Variable	Cc	•	•	15 litre	1 x 1m	
Cc	Cycas revoluta		2.5 life 15 litre	1.5 x 1.2m	Су	Cycas revoluta	Cycad		1.5 x 1.2m 1.5 x 1.5m	
Су	Doryanthes excelsa	Cycad	15 litre	1.5 x 1.5m	De	Doryanthes excelsa	Gymea Lily	15 litre		
De		Gymea Lily	15 litre	1.5 x 1.5m	Lm	Liriope 'Evergreen Giant'	Lily Turf NZ Satin Flower	2.5 litre 2.5 litre	0.6 x 0.4m 0.5 x 1m	
Mc	Macrozamia communis	Burrawang Dwarf Philodendron	2.5 litre	0.5 x 0.5m	Lg	Libertia grandiflora				
Px	Philodenron 'Xanadu'	Dwan Philodenaron	2.5 IIII'e	0.5 X 0.5m	Pb	Phormium 'Bronze Baby'	Dwarf NZ Flax	2.5 litre	0.5 x 0.4m	
CPOII	NDCOVERS				Pt Dv	Phormium tenax	NZ Flax	5 litre	1.5 x 1.2m	
	Ajuga reptans 'Catlins Giant'	Giant Bugle	2.5 litre		Px	Philodenron 'Xanadu'	Dwarf Philodendron	2.5 litre	0.5 x 0.5m	D 24/5/18 ISSUE TO CLIENT
Aj Hs	Hibbertia scandens	Guinea Flower	2.5 litre		Mc	Macrozamia communis	Burrawang	15 litre	1.5 x 1.5m	C 14/5/18 ISSUE TO CLIENT B 1/5/18 ISSUE TO CLIENT
	Hardenbergia violacea	False Sasparilla	2.5 litre		CPOU	NDCOVERS				A 18/4/18 ISSUE TO CLIENT REV DATE COMMENTS
Hv	•	Wonga Wonga Vine	2.5 litre				Cranina Panhialla	O		REV DATE COMMENTS
Pp Oi	Pandorea pandorana	Mondo Grass	2.5 litre		Мр	Myoporum parvifolium	Creeping Boobialla	2.5 litre		PROJECT:
Oj Vo	Ophiopogon japonicus Viola hederacea	Native Violet	2.5 litre		Jc Va	Juniperus conferta	Shore Juniper	2.5 litre		Gloucester RACF
٧٥	viola riederacea	Native violet	2.5 IIII e		Vo	Viola hederacea	Native Violet	2.5 litre		Development
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