



PROJECT & CLIENT

Redbank

Belmont Precinct

Prepared for : NORTH RICHMOND JOINT VENTURE

Landscape Works Package

C	Current Rev.					
	G					
	G					
	E					
	F					
	E					
ment P	н					
	E					
	F					
	В					
	D					
	E					_
ent Plan	F			NSTRUCTION	CERTIFICAT	Е
ent Plan	н		O antificante A	1-	20130200	~40
ent Plan	G		Date of Iss	10. Ie	10 Novemb	240 Der 2017
ent Plan	F		Issuing Offic	cer	harry &	<u>↓</u>
	G		Accreditatio	n No.	000	BPB0565
	F		These plane	s/specifications fr	orm part of the c	ertificate
	F		issued 10 N	ovember 2017	sini part or the o	crimouto
	E					
	G					
	G					
	G					
	E			DA0438/14	- LOT B'1	
	F			DA0452/14	- LOT B'2	
	F			DA0451/14	- LOT 8'3-'B	'14
& Seat 2)	E			DA0467/15	- LOT 1-59	
	E					
	E			- <u> </u>		
	E			5 24		•
	E			3 1	- r	Min
age De	E					4.47
	F					
	E				/ 🔍	~ \
	A					
	E				_	and the second
ent	E				\sim	20
	nt	F E A E nt E	F E A E nt E	F E A E nt E	E A nt E Key Pla	E A nt E Key Plan

DATE : October 2017



ARTERRA DESIGN PTY LTD ABN 40 069 552 610 SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121 P 02 9957 2466 F 02 9957 3977 W ARTERRA.COM.AU

Grose Vale Road North Richmond, NSW, 2754

REDBANK

NORTH RICHMOND

ISSUE : For CC



Plotted at : 10:25 am 30/10/1

GENERAL REQUIREMENTS

Scope and Extent of Work

nd Extent of Work The extent of the Landscape Works is described in the Material and Finishes Schedule, this Specification and on the drawings. It includes carrying out all ancillary work necessary for proper completion of the works. The Material and Finishes Schedule is a description of the major components of the project. It is included as a guide to aid in the dear understanding and pricing of the works. It is not intended to be a completely exhaustive list of all minor and incliental materials and tasks required to successfully complete the contracted works and must be read in conjunction with the other documents.

Where works are adjacent to existing works, the Contractor is responsible for making the proper junctions between new and existing works and for making good any damage caused by the Contractor to the adjoining

Works in Conjunction with Landscape Works - Civil Works

I conjunction with Landscape works - Luni works The Belmont Precinct works involves the construction of new roads and services, retaining walls, grading, top soling and grass seeding to new residential lots. This work is being undertaken by a civil contractor. It is anticipated that the majority of this work will be completed prior to the Contractor undertaking the landscape

The Contractor is to co-ordinate and work in conjunction with the other Contractors as required to install the proposed landscaping works

Workmanship and Material Quality Materials and workmanship are to conform to the current edition of applicable Australian Standard Specifications and Codes.

Any work or materials, which, in the opinion of the Contract Manager (or their representative), do not meet appropriate industry standards of workmanship or quality, will be rejected. Rejected work shall be removed and reinstalled to an acceptable standard at no additional cost to the Client.

Workmanship & Installation Samples Provide samples of finished installed works for approval by the Contract Manager prior to proceeding. Include typical junctions, joints, cuts, finishes and colours of the nominated sample. If not approved, samples are to be rectified or removed and replaced as required by the Contract Manager. Approved samples may be retained to form a part of the completed works. All remaining works are to meet and match the quality of the approved

Enviro

The Dispute that and the execution of work are ecologically sound, environmentally benign and consistent with the principles of sustainable development. Take all practical precautions to ensure that dust and noise caused by the works are kept to a minimum. Take all practical precautions to prevent the spread of dirt and mud along adjacent roads and paths. Unless already in place, install suitable sedimentation control for all work and stockpile

Existing Tree Protection

ee Protection the Contractor is responsible to ensure that no damage occurs to any existing trees or other plants which: Are specified to be retained. Are beyond the extent of works. Would reasonably not need to be removed or damaged during the course of the works.

All work around existing trees to be retained shall be in accordance with AS 4970-2009 Protection of Trees on development sites with the clear establishment of Tree Protection Zones (TPZ's).

Topsoil Stripping and Stockpiling Site topsoil is to be stripped and stockpiled by the civil contractor. Top soil is available to the contractor at no cost for the purpose of completing the works. The stock pile is located on the Redbank site within 1km of the works. The Contractor is to load, cart and ameliorate the soil.

Fine Trimming and Grading Grade and trim bulk subgrade surfaces to a depth below finished surface levels as determined by the specified depths of covering materials. Berms, swales and batters may require fine grading and shaping to the Landscape Architect's direction. Shaping shall be carried out by an experienced machine operator or shaper.

Such work shall include:

- In Shain include: Rounding of ridge line profiles Graduating ridge lines and formation of transition curves at top and bottom of batters Trimming back slope steepness Gradual tapering to intersections with walls and pavements
- Grading transitions to fence lines
- Grading transitions to neet back of road kerbs

Unless otherwise noted final grading shall achieve 1 in 100 minimum falls to drainage.

- Subsoil Drainage Provide in accordance with the drawings and details, failing and connecting to the bio retention or stormwater
 - Drainage medium vertical and horizontal Generally place specified drainage material to the depths detailed on the drawings. Drainage medium shall be: -20mm Aggregate washed free of all fines.

Filter fabric shall be :-Geotextile fabric for horticultural purposes - Atlantis "Hydronet" or Bidim A14. or approved equivalen

Sand filter layer Generally place and compact sand with particle size range of 0.02mm to 2.0mm diameter, washed free of organic debris and sits, sands, gravels and rocks outside these sizes, to the depths detailed on the drawings. Finished surface shall be smooth. Saturate the sand mass, allow to drain and settle and add sand to meet required finished grades prior to installing overlying soil mixes.

Perforated drainage pipe Generally lay and join material to the grades and as detailed on the drawings. Excavate 300mm wide trenches and fall trench base 1 in 100 minimum without irregularities that would cause water to pond. Connect pipes to existing stormwater pits or manholes. Use existing spigot connections where available. Where not available, break-ins shall be made cleanly, the pipe inserted and the joint mortared over to provide a neat watertight

Where subsoil drainage lines run under pavements, bed, join to and lay a rigid UPVC pipe instead of perforated pipe for the extent where it is under the paved surface.

Line trench with filter fabric and cover pipe with minimum 150mm drainage medium. Backfill with subgrade and re compact.

At the high end of each pipe line, curve drain pipe up and terminate flush with finished surface level. Construct flushing point as detailed, where shown on the drawings. Where not shown cap with UPVC cap immediately below mulch.

Flushing Test Flush all subsoil drainage lines and layers upon installation. Observe outlets and continue flushing until clean water is discharged. Check integrity of slab waterproofing.

Pavement Finishes Generally

- Pavements are to be constructed true to the documented line and levels without local irregularities. For pavements-
- verements: curved edges are to have smooth transitions free from kinks level difference less than 3mm between different paving surfaces or pavers (unless specifically indicated on grading plan); maximum deviation from a 3m straight edge placed anywhere on surface of 12mm less than 10mm depth of water ponding (15 minutes after rain has stopped); no movement or hollow sound when waiked upon.
- Paving units and expansion joints, crack control joints are to laid out as indicated on the drawings. Unless

raying units and expenditual points, back control points are to nary out as modeled on the unaverage. To mass otherwise documented, cuts are to be carried out to active a gap of no more than 3 mm between adjoining paving units or other adjoining surfaces or structures. Ensure positive drainage to the adjoining gardens, kerb and drainage intel grates to prevent ponding.

Each different pavement type is to have a uniform finish and colour.

Unless otherwise documented steps are to have a constant tread & riser height for each set/flight

Slip Resistance

Unless otherwise specified, all landscape pathways and paving shall comply with the following minimum slip resistance ratings in accordance with AS/NZS 4586:2013.

External Pavements (& Potentially Accessible Copings) Wet Pendulum Test Oil-Wet Ramp Test

 Kamp
 Less

 General Pathways and Pedestrian Pavements (typically slopes less than 1:50)
 P3, P4 or P5
 (Class X, W or V-under 2003 version)
 R1, R12 or R13

 General Pathways and Pedestrian Pavements (typically up to slopes of 1:20)
 P4 or P5
 (Class W or V-under 2003 version)

 B1a = D12
 P4 or P5
 (Class X word)
 (Class X word)
 R12 or R13 General Pathways and Pedestrian Pavements (For slopes between 1:20 and 1:14, or above) P5 (Class V- under2003 version) R13

Informational Note: Wood float or broom finished insitu concrete will typically provide a Class P5 rating using Wet Pendulum Test and Class C for Wet Bare Foot Test and R13.

Foundations & Prep Foundations for co tructures shall be excavated to neat lines and formed at the required depth below Tournations for Collecte's studutes sind be excerned to hear mess and formed are required deput below the surface level. All soft, yielding and otherwise unsuitable material shall be removed and replaced where necessary with approved material, and the foundations shall be thoroughly compacted and finished to a firm smooth surface of uniform bearing value.

Unless otherwise permitted, excavated material shall not be denosited on existing grassed areas. Excavation shall be deep enough to allow for the top surface of the slab to finish flush with the top of adjoining grass surfaces and pavement levels (or 25-50mm above adjoining garden levels).

Formwork Formwork for concrete paving shall be fixed boards of seasoned, dressed timber planks or equivalent. Forms shall be designed and constructed so that they can be removed without injuring the concrete and shall be built true to line and braced in a substantial and unyielding manner. Forms shall be free of warps, kinks or bends.

Reinforcement - Pedestrian Pavements Reinforcement shall be F72 mesh unless otherwise noted. Reinforcement is to be placed 30mm below the top surface of the pavement and not closer than 40mm to the sides. Reinforcement shall be secured against displacement ansing from the flow or working of the concrete, and shall be tied with no. 16 SWG black iron wire or tack welded at all crossings.

<u>Strength</u> Unless otherwise noted, concrete shall be a minimum strength of 32 MPa and shall be properly compacted via

Falls and Finish Unless otherwise detailed, footpaths shall be constructed with a minimum 2% (1;50) cross fall, falling with general grades of the area. Longitudinal grades normally shall be in the range of 0.5% to 2.5%.

After placing and compaction, concrete shall be finished to a smooth even surface by means of steel floats and other suitable equipment. On completion of steel floating and before initial set, the surfaces of concrete paths shall be browned to a 'non-sidu' texture. This shall be achieved by drawing a moistened nylon broom lightly across the surface at right angles to the direction of the path or paving.

Contraction joints shall be formed with a jointing tool. Unless otherwise specified or detailed, the spacing of contraction joints shall be approximate to the width of the path with minor adjustments to avoid short closing lengths. Joint spacing shall not kylocally normally exceed three (3) metres.

Expansion joints shall be constructed for the full depth of the paving using Connelly expansion joints. They shall be provided wherever the paving abuts fixed structures and transversely at maximum intervals of 6 metres along the length of the pathway and at path intersections.

Protect green concrete from rain, flowing water and graffiti. Provide protection as necessary to prevent cracking of the concrete due to temperature changes during the curing period. Reinstate adjacent surfaces after stripping of formwork

Edging

Galvanised Steel Edging Galvanised edge strip to be installed in the locations shown on the drawings. Top of edge strip to finish 50mm above the finished level of adjacent garden soil and flush with adjoining paving, kerbs and lawn.

<u>Crushed Stone Edging</u> Unless noted otherwise all mulched garden areas are to have a crushed stone edge adjacent to lawn areas. This edge is to be 150mm deep x 500mm wide crushed sandstone or other approved stone compacted in situ with a wibrating plate compactor. It is to be finished 50mm above the finished level of adjacent garden soil and flush with adjoining paving, kerbs and lawn.

Fencing

Fences are to be constructed true to the documented line and levels and vertical with sufficient rigidity to

Wall Finishes

Walls are to be constructed true to the documented line and levels and vertical. Capping is to be level in both Walis are to be constructed true to the documented line and levels and vertrial. Capping is to be level in both directions. There is to be no more than 2mm difference in highly between adjoining facing segments or between adjoining capping segments. Expansion joints, facing and coping segments are to be set out as voltaced on the drawings and a directed on site by the Contract Manager. Unless otherwise documented, cuts are to be carried out to achieve a gap of no more than 3mm between adjoining segments or other adjoining surfaces or structures. Site resistance for the capping is to comply with A3 3661.1.5 elect materials and include adminuters to prevent the occurrence of efflorescence. Walls are to be less than 1% from vertical. Horizontal wall members are to not sag.

Site Furniture

nture Site furniture is to be supplied as specified and installed in the locations shown on drawing. Each individual item is to be installed in accordance with the manufacturer's' supplier's instructions.

Timbe r Work

Work Unless otherwise noted, timber shall be Hardwood with minimum stress grade F8 and 'Standard' appearance grade. All work shall be square, plumb, level or at angle detailed and accurately set out within the reasonable tolerance of the material. Solid bearings shall be made for all joints. Use timber in single long lengths wherever possible. Timber shall be drilled for fasteners as necessary to prevent splitting.

Eastenings Generally All fixings, fastenings, anchors, lugs and the like shall be of approved type and shall transmit all imposed loads, stresses and ensure proper rigidity of the assembly. Bolts, nails and other fasteners shall be hot-dipped galvanised unless otherwise noted.

Finish: All limber shall be painted with Timber Stain as specified. Wherever possible, or where specifically required all cutting and forming shall be carried out prior to the preservative treatment. All cut, dilled or otherwise formed surfaces of treated timber shall be treated as recommended by the supplier according to the preservative treatment used. No timber joint of any kind shall be made without first protecting the joint interfaces by priming with a coating com tible with any specified stain or paint finish

Exposed Edges and Ends All exposed edges of sawn timber shall be arrised where there is any risk of injury from splinters.

SOFTSCAPE Mulch

Any soil conditioners shall comply with AS4454-2003 Composts, Soil Conditioners and Mulches. Unless otherwise noted mulch shall be a minimum of 50mm depth and a maximum of 75mm depth. Mulch types shall

Recycled wood waste chip with no fines. Recycled wood waste generated from site

Herbicides General use herbicides shall be:-a glyphosate based non-residual herbicide such as "Roundup® Biactive™

Submit details of any other proposed herbicides prior to use. Follow all published safety and material handling data and properly store all chemicals used on site. Herbicides shall be diluted to manufacturer's recommendations in clean water with coloured by eadded.

Tree Planting, Garden and Lawn Area Preparation

Mttng. Garden and Lawn Area reparation. Fair and trim to relative level to accommodate the required and specified overall soil depths. Ensure the installed, or natural sub grades, are not toxic to normal plant growth or unnaturally overly compacted. Notify Contract Manager immediately if there are any concerns with regard to the subsoil conditions.

Cultivate subsoil areas within all plant and lawn areas across the slopes and only when the subsoil is dry. Cultivate to a minimum depth of 100mm and to a width that shatters the entire subsoil surface. Pick and remove rocks, roots, sticks, building debris exceeding 100mm diameter brought to the surface during cultivation. Protect cultivated areas from trafficking, compaction and crust formation until the topsoil/ planting soil spreading

All soil shall be free of rubbish and debris. Imported soil is to comply with the requirements of AS 4419-2003 Soils for Landscaping and Garden Use. Ameliorated site soil is to comply with the Soil report B34279 by Sydney Environmental Science Laboratory (SESL) and as summarised in the soil schedule.

All planting soil is to be consolidated but not compacted.

Plants and Planting I Supply- Plants are to be supplied and delivered under a separate contract between the Client and a Plant

When soil is extremely wet or waterlogged; and During periods of expected frost.

Supple: Trains are to be supplied and concrete order to explain concrete entropy the supplier. Coordination- The Contractor is to co-ordinate delivery of the plants with the Plant Supplier. Reasonable notice is to be given to the Supplier by the Contractor and the number of deliveries is to be minimised. Delivery- The Contractor is to take delivery, check quantities and keep a register of incoming plants along with delivery dockets to be presented to the Contract Manager as requested. Quality- Inspect all plants upon arrival at site. Check for quality, vigour, health, and other requirements. If the Contract or is not satisfied with the quality of the plants they are to be returned. The Contractor is to keep a sample of the returned plants and notity the Contract Manager immediately of the problem. Responsibility- Once the Contractor has received the plants it will be assumed that the quality of the plants was accepted by the Contractor as suitable for the purposes of their work. The plants will be the responsibility of the Contract or as using the Contract or as using the second their work means the responsibility of the Contract of The Contract including the Establishment Maintenance period.

Thoroughly water the plants before planting. Water again at the end of the day's planting or progressively throughout the day. Place slow release organic fertiliser around the plants at time of planting, prior to mulching at the rate specified.

Suspend all planting during unsatisfactory weather conditions including the following: During very high wind conditions (especially when hot / dry); In periods of extreme heat (ie. + 35°C)

After planting, remove all rubbish, plant tags and nursery stakes and containers from the site.

Temporary Tree Staking All trees supplied are to be self supporting. If plants are found to not be self supporting and are not rejected, the plants shall be staked. If prevailing environmental factors such as strong winds or potential vandalism dictate the plants shall also be staked.

All trees shall be staked with four 50 x 50 x 1800mm hardwood stakes spaced on either side of the tree. The each tree using 50mm wide hessian tape in two figure of "8" configurations. Ensure the tie is slack to facilitate movement of the stem. Stakes are not to be driven through the rotabil.

All stakes and ties shall be removed prior to Final Completion. If trees are still not self supporting at this time they shall be replaced, at the Contractors expense, with self supporting specimens of the same size and species as originally specified.

Final shaping and smoothing of the lawn area will be conducted using an appropriate topdressing "float", to the finished levels, as indicated on the drawings. Care should be taken to remove all surface imperfections and soil lumps.

A header course of sods will be laid parallel and adjacent to all edges to the turf area. The turf sods shall then c) instance stowase of stoway will be using parallel and adjacent to all edges to the turf area. The turf sods shall then be placed horizontally across the slope in a "strench" bond pattern, with all joints butted firmly together and neatly cut in. Any damaged or substandard areas will be cut out and replaced. Any small gaps between turf sods are to be filled in with soil. On steps slopes peg the turf as necessary to prevent down slope movement, and remove the pegs when the turf is established.

High points or imperfections will be lightly tamped out upon completion of laying to form an even surface. All turf is to finish flush with adjacent surfaces. All turf will be watered the same day it is laid. Topdressing or rolling will not be undertaken until lawn is established.

Boards, planks or other means will be employed to avoid damage to the base course screed and newly laid turf during the laying process. Protection will also be provided temporarily to prevent damage likely to be caused by pedestrain or vehicular movement and ongoing burling works. This will not be left in place longer than is necessary to prevent damage and will be removed at the conclusion of each working day.

Allow for replacing all areas where the turf has failed to provide a healthy cover within 30 days from the date of laying. Provide comment as to why the turf may have failed so that rectification measures can be taken prior to re-turing.

Topdressing, should it be deemed necessary by the Landscape Architect, will not be conducted within 6 weeks of laying the turf, without the prior consent of the Landscape Architect.

Topdressing will only be conducted to remove apparent surface depressions and will not constitute an addition to the contract value. Topdressing soil will be the same mix as used for the turf area base course to avoid layering of the soil profile.

Topdressing will be lightly applied and levelled and worked into the lawn using an appropriate topdressing

the system is to be capable of delivering up to 30mm of water per week over the irrigated area. Water is to be delivered via pop up sprays. The number of sprays is to be minimised and they are to be osciltoned to avoid over spray onto roads or private property.

Tasks The Contractor shall monitor and maintain all turf, planting, pavements and associated landscaping works for the duration of the maintenance period. Carry out all maintenance activities for all new garden and lawn areas as required to ensure the plants and turf become established within the maintenance period and are kept in a healthy and tity state in accordance with best horticultural practices. This will generally include watering, weed control, mowing and edging, sweeping and/or blowing, prunning, replacing failed plants, pest and disconcented.

9 Plants are to be watered upon completion of planting and then monitored for water stress by the Contractor Watering requirements will be subject to season, prevailing weather conditions and the age and type of plant Water as required for all plants and lawn areas to thrive without stress.

All areas are to be visually inspected by the Contractor for the presence of woody and herbaceous weed species once 4 weeks. All occurrences of weeds are to be spot sprayed using a glyphosate based herbicide no la than 7 days after being identified. Weeds are to be re-inspected by the Contractor and retreated if required.

Weeds higher than 200mm in height are to be removed by hand before herbicide treatment. Smaller weeds shall be allowed to wither and rot in place

pracements The cost of replacement plants that have failed due to failure of the Contractor to perform adequate maintenance, or implementing inappropriate handling procedures or planting operations shall be at born by the Contractor.

Replacements shall be undertaken within 7 days of the plant being identified as failed or unacceptably damaged. Note, severe wilting or water logging leading to death of foliage, breakage or wounding of main stem, damage to apical leaders or damage to significant second order branches shall be deemed to constitute failure.

The cost of plants that are damaged or killed by environmental factors outside the Contractors control such as severe storms, high winds, hail, flooding or vehicular accident shall be born by Contractor if prior to Practical Completion. The Contractor is advised to take out all necessary Construction Insurance to cover all the costs associated with re-supply, delivery and replanting.

The costs of replacing stolen plants and maliciously or carlessly damaged plants shall be covered by the

Pests and Diseases All trees are to be visually inspected for the presence of persistent and damaging insect pests or diseases once every 4 weeks, or upon written notification from the Contract Manager of a potential problem. The pest and / or disease and its extent and prevalence is to be identified and recorded along with the recommended control and action to be taken. The required control and/or eradication action is to be carried out in a timely manner.

The irrigation system is to be designed and installed to meet and / or include the following requirements: Minimum design life of 10 years. Unify group annual end automatic with back to base monitoring and control. Nater supply is to be pumped from the existing water body. The pump is to be housed in suitable cabinet with galvanised steel and/or treated pine frame with hardwood ladding.

Replant any areas that fail to establish with in 30 days.

IRRIGATION

ESTABLIS

Extent & Tasks

Watering Plant

Weeding

Plant Replacements

HMENT MAINTENANCE

disease control

Turf Placement The Contractor shall lay turf as indicated on drawings and as specified in the Schedule. All turf will be laid as soon as it arrives on site. Prepare turf underlay, using the specified soil mix spread and compacted to an extent where excessive heal prints are avoided when it is walked over.

All work around existing trees to be retained shall be in accordance with AS 4970-2009 Protection of trees on development sites with the clear establishment of the required Tree Protection Zones (TPZ's). If the scope of work allowed within or the extent of the Tree Protection Zones of existing trees is not clear, please refer to the Contract Manager or Project Consulting Arborist for clarification

TREE PROTECTION SPECIFICATIONS

. Tree Protection Measures and Protocols.

very harmful to tree roots

Protection Zone

5. Works within the TPZ

6. Ground Protection

4. Trunk and Lower Branch Protection

2. Controlled Construction Access

Before any site works commence tree protection zones and other measures must be established and conveyed to those all working on the site. The Contractor shall ensure all subcontractors are inducted prior to writing on the site. All inductions shall include description and the description of the Tree Protection Zones and the restriction on work and activities with regard to trees.

Damage to roots or degradation of the soil through compaction and/or excavation within TPZ's is likely to Damage to foots on degladation of the soft modigin compaction and/on excavation within 1P2 is markery to cause serious damage to the tree. Any work operations required within 1P2's must be carried out with extreme care. All trees, palms and other shrubs within 1P2's are to be retained unless shown otherwise on the Tree Protection Plan(s). Trees marked for retention shall not be used to display signage, or as fence or cable supports for any reason. No materials stockpiling, chemicals or washout areas are permitted immediately upslope of or within the Tree Protection Zone. The washing down of wheel barrows, paint cans/brushes, acids and the like shall not to be done near existing trees as the runoff is

No fuel powered pumps or generators or air compressors are to be placed within TPZ's. No fuel or chemicals shall be stored and no equipment or vehicles shall be serviced or re-fuelled within a TPZ.

Construction access points, stockpiling and storage areas shall be clearly identified on site and fenced off where appropriate. Uncontrolled access and parking of vehicles inside TPZ's shall be avoided. If access is required through a tree protection zone, the access way shall be treated with ground protection.

3. Tree Protection Fencing & Signage The Tree Protection Plan(s) shows the extent of areas to be fenced and protected. Protection measures The first rotection in analysis have an extent of source and polected in polected in the dominance shall be certified as adequate by the Project Consulting Arborist. This fencing may form part of the general construction site fencing, where practical. It shall remain in place as long as possible and typically not be removed until the final landscape installation in those areas begins.

All tree protection fencing shall be 1800mm high galvanised chain wire or welded steel mesh. Fencing must be bolted together and secured with the necessary back stays and bracing

Star pickets with bunting or danger tape shall not constitute acceptable tree protection fencing.

Suitable signage as defined by AS 4970-2009 Appendix C shall be affixed to the external side of the fencing at a spacing of not less than 1 sign per 20 lineal metres of fence.

If fence locations conflict with the proposed works, contact the Project Consulting Arborist and Contract Manager for resolution. No new services (unless under-bored) shall be located within or through the Tree

A trunk barrier is to be erected around the circumference of the tree trunk and root buttress where shown. This barrier will consist of a double layer of used carpet or carpet underfail for barrier shown. This barrier will consist of a double layer of used carpet or carpet underfail placed around the trunk. A layer of battens is to be placed over the underfail. The battens are to have a maximum spacing of 50mm. The height of the battens is to be 2 metres or to the height of the first branches. Lower large branches may require the same protection if likely to be damaged by passing vehicles or equipment. Secure in place with galvanised steel bracing straps. Do not nail into or otherwise injury the trunk or bark. Battens may be made from any suitable waste timber of similar sizes and depths. All sharp or protruding edges are to be properly covered with tape or similar padding.

All work within the root zone of existing trees shall be undertaken with the utmost care. If by necessity a Fair not what the four softe of example test and the order taken with the dimest cate. In by necessity a tree requires removal of branches for building or access, pruning shall be done in strict accordance with accepted arboriculture techniques and AS 4373-2007. No rubbish, spoil or new materials shall be placed on the root zone of any existing tree or against their trunks.

If it is proposed to create any access route, or similar, within the TPZ of a retained tree, the Contractor shall install rumble boards over the TPZ ground surface. No excavation shall be allowed. Contractor shall and make a number of the second of the secon (minimum 3600 x 200 x 75mm) on their flat edge, side by side, with a 30 - 50mm gap to form a rumble strip. These boards are to be held together with three galvanised metal bracing straps nailed to each board. The two outer straps are to be approximately 200mm in from the ends of the boards. The third strap is to be along the centre line of the boards.

CONSTRUCTION CERTIFICATE

Certificate No Date of Issue Issuing Officer Accreditation No.



These plans/specifications form part of the certificate issued 10 November 2017



ARTERRA DESIGN PTY LTD ABN 40 069 552 610 SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121 P 02 9957 2466 F 02 9957 3977 W ARTERRA.COM.AU

E	Issue for CC	DSO	20/07/17
D	Revised for Council Approval	DSO	16/12/16
С	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16
REVISION	DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Landscape Specification

Project No	:	16.09		$\left(\right)$	\mathcal{I}		
Designed	:	arterra		('	°)		
Drawn	:	arterra		\sim			
Scale	:	N/A@A1					
LANDSCAPE							
DRAWING NU	MBER				REVISION		
L-CD-	-LC	02			E		
			Plotted at :	10:27 am	30/10/17		

MATERIALS AND FINISHES SCHEDULE

ARTERRA CODE	DESCRIPTION	SUPPLIER PRODUCT NAME/CODE	FINISH/COLOUR	IMAGE
P1	PAVEMENT TYPE 1 & 2 CONCRETE PAVING		Finish: Broom finish up to all edges - <u>No</u> tooled margin Colour: standard grey	
E1	EDGING TYPE 1 - GALVANISED STEEL Galvanised edge strip to be installed in the locations shown on the drawings.	Steel flat bar	Size: 6mm thick x 150mm Finish: Hot dipped galvanised	
E2	EDGING TYPE 2 - CRUSHED SANDSTONE Unless noted otherwise, all mulched garden areas are to have a crushed stone edge adjacent to lawn areas.	Crushed sand stone	Size: 150mm deep x 500mm wide strip crushed sandstone or other approved stone compacted in situ	
E3	EDGING TYPE 3 - SPADE EDGE Edging to mulch around park trees and wetland as indicated.	N/A	as detailed	
W1	WALL TYPE 1 - SANDSTONE LOG RETAINING WALL		Colour: Golden / banded Size: 0.5m x 0.5m x varied lengths between 1-2m Finish: Top, bottom and ends to be sawn. Front & back face to be split.	
B1	BOLLARD TYPE 1	Structural grade hardwood	Sikkens timber stain	
B2	BOLLARD TYPE 2 (FOLD-DOWN)	Available from Commercial Systems Australia commercialsystems.com.au SB2250 Wharf	Material:Galvanised steel fold down base with Class 1 Australian hardwood body. Size: 150 x 150 x 600 high. Sikkens timber stain	
F1	FENCE TYPE 1 - THREE RAIL HARDWOOD Three hardwood rails with hardwood posts as detailed.	Structural grade hardwood	Sikkens timber stain	
F2	FENCE TYPE 2 - POST & PLAIN WIRE 5 wires with hardwood posts as detailed.	Structural grade hardwood	Sikkens timber stain	VI
S1	SEAT TYPE 1 - TIMBER & CAST-ALUMINIUM BENCH with Arm Rests	Town and Park City Seat SPTP.SSE.T3.SP.AR2.2000	Timber Finish: FSC Hardwood Slats coated with high quality decking oil. Frame: Cast Aluminium Fixing: Surface Post with 316 Stainless Steel(Vandal-proof) fixings Size: 2000mm Long	
S2	SEAT TYPE 2 - SANDSTONE LOG BENCH SEAT	N/A	Colour: Golden / banded Size: 450mm high x 500mm wide x 2000mm length Finish: Top to be sawn (and where edges meet). Front & back face to be split.	
S3	SHELTER TYPE - TIMBER STRUCTURE	Landmark Peninsula Shelter K302	Timber Finish: Select-grade hardwood slats & posts, finished with Rosewood Standard timber stain protection (Cutek CD-50 double strength) Roof: Stainless steel hardware and Colorbond® UltraTM grade for corrosive environments Roof Colour: Woodland Grey Post Fixing: In-ground (standard) Size: 4m x 4m	
S4	BIN SURROUND / ENCLOSURE - TIMBER & STEEL STRUCTURE with Lockable Door Entry Tri Lock	Street Furniture Frame Bin Enclosure 120 litre capacity WBE-F120	Roof: Curved Body: Premium FSC Hardwood Battens Frame Finish: Aluminium Powder Coated Charcoal / dark grey Signage: Nil Fixing: Surface Mounted	
S5	PICNIC SETTING - TIMBER & CAST- Aluminium structure	Town and Park City Set SPTP.TSE.T3.SP.2000	Timber Finish: FSC Hardwood Slats Hardwood coated with high quality decking oil Frame: Cast Aluminium Fixing: Fixing: Surface Post with 316 Stainless Steel(Vandal-proof) fixings Size: 2000mm Long	

ARTERRA CODE	DESCRIPTION	SUF	PPLIER I	PRODUCT NAME/CODE	FINISH/0	COLOUI	R	IMAGE
86	SIGNAGE TYPE - GALVERNISED STEEL FRAME	Scre	enmakers: \ I I J	WAY-FINDING REGULATORY NTERPRETATION HERITAGE NFORMATION	C-Beam Fra steel, powda Fixing: Bolt Informatior a pre-painte with a clear anti-graffith Size: subject	ame: Hot-co er-coated c fixed to sli Panel: Pr d 5mm alu satin matt, inish. t to coordi	lip galvanised lark grey. ab inited direct on to minium flatbed, over-coated in an nation	
	SIGNAGE TYPE - LAZER / PROFILE CUT BELMONT LOGO AND LETTERING	Cuto	ut	ESTATE SIGNAGE	As detailed	L-CD-L41	8	
	WATER FEATURE	Aqua	atec		Aquatec - V Aeration ser Ø6.5m	/-Flow 110 ries)F	
T1	TURF Buffalo		Buffalo matilda	Turf				
M1	MULCH Site won mulch derived from tree removal and stockp	iling.						
J1	JUTE MESH open weave 70G/M2, 20x20mm Grid Fastened with a "U" shaped pin		All Stakes Jute Soil Save Mesh	r	Fabric: 100 product mac	% biodegra le from Jut	adable organic e (hessian)	
SOIL SO	CHEDULE						SOIL STO	OCKPILES / COLOUF
DESCRIP	TION			HATCH			COLOUR	SOIL TYPE
Soil Type A - Spread the to detailed in th - 400 g/m2 o - 100 g/m2 o - 30 g/m2 of - 30mm dep <u>Alternatively</u> In this case a - 1.2 kg/m3 - 300 g/m3 o	Ameliorate site top soil (Brown coloured site top so p soil Harrow to 100mm to roughly incorporate the add e following: f agricultural lime f dynsum f NPK fertiliser approximating 10:4:8 th of green waste derived compost fines (30 litres/m2) the additives may be mixed thoroughly into the stockpile p dd the following: of agricultural lime f orunsum	il) ditives i prior to	nto the soil as spreading.				BROWN	Existing site top soil to be separated out during excavation and stockpiled re-use as top soil in the civ landscape works' Existing site sub soil to be separated out during
- 150 g/m3 o - 90 litres/m3 Soil Type B I It is to be comp	1 Gyp2am NPK fertiliser approximating 10:4:8 3 of green waste derived compost fines Imported 80/20 blend rised 80% of sand and 20% of natural top soil with a total maximu	im organ	ic matter of 5%.					excavation and replaced as sub soil (nom 300 depth) o the sub grade in re-graded areas.
Soil Type C	existing or reinstated sub soil ameliorated in situ. (Red	colou	rred sub soil)				WHITE	Existing sub grade. Not to used as planting soil in the civil landscape works. In regrade areas this material to be covered with 300 mm depth of Soil Type C (Red) prior to spreading top soil.
- 400 g/m2 c - 200 g/m2 c Chisel or disc Harrow to bre	of agricultural Lime of Gypsum : plough to 150mm to incorporate additives eak up clods but do not smooth, leave the surface keyed	l to acc	ept the top soil.					
Soil Type NF Spread the - 100 g/m2 o - 30 g/m2 of - 15 mm dep Harrow to 10	2- Ameliorate sife top soil (Brown coloured top soil as detailed and apply the following: if agricultural lime if Low P NPK fertiliser approximating 10:2.5:8 th of green waste derived compost fines (15 litres/m2) 00mm to roughly incorporate the additives into the soil.	site t	op soil)					
Alternative spreading. - 500 g/m3 o - 150 g/m3 o - 75 litres/m3	Iv the additives may be mixed thoroughly into the In this case add the following: if agricultural lime of Low P NPK fertiliser approximating 10:2.5:8 3 of green waste derived compost fines	<u>he sto</u>	<u>ckpile prior to</u>					Conti
Soil Type X -	Un-ameliorated site top soil (Brown)							Certi Date Issui Accr



 ARTERRA DESIGN PTY LTD
 ABN 40 069 552 610

 SUITE 602 / 51 RAWSON STREET,
 EPPING, NSW 2121

 P 02 9957 2466 F 02 9957 3977 W
 ARTERRA.COM.AU



R

d for ivil

over

to be l is

CONSTRUCTION CERTIFICATE

rtificate No. te of Issue uing Officer creditation No.



These plans/specifications form part of the certificate issued 10 November 2017

DRAMANC T

Project No	:	16.09	\frown
Designed	:	arterra	(•)
Drawn	:	arterra	\smile
Scale	:	1:250@A1, 1:500@A3	
		LANDSCAPE	
DRAWING NU	MBER		REVISION
L-CD-	-LC	03	F

Plotted at : 10:27 am 30/10/17

F Turf changed, estate signage & water feature info added. Issue for CC E Edging types added. Revised for Council Approval D Revised for Council Approval C For Tender B For Pre-Tender Cost Estimate for Review A For Construction Certificate REVISION DESCRIPTION 0 20/07/17 13/04/17 DSO 16/12/16 DSO 05/10/16 DSO 16/08/16 DSO 02/08/16

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Materials Finishes Schedule

PLANT SCHEDULE - Parkland Areas

Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m2	Quantity
PARK TREES					
Acacia binervia	Coast Myall	6-8m	25	n/a	3
Angophora floribunda	Rough Barked Apple	12-30m	45	n/a	10
Angophora subvelutina	Broad-leaved Apple Gum	10-15m	45	n/a	7
Araucaria cunninghamii	Hoop Pine	20-25+m	200	n/a	2

Corymbia maculata	Spotted Gum	35-45m	100	n/a	38
Eucalyptus tereticornis	Forest Red Gum	15-25m	45	n/a	10
Eucalyptus amplifolia	Cabbage Gum	20-30m	45	n/a	4
Eucalyptus crebra	Narrow-leaved Iron Bark	20-35m	45	n/a	28
Tristaniopsis laurina	Water Gum	5-8m	100	n/a	13
TUBESTOCK TREES					

subtotal

subtotal					17
Eucalyptus tereticornis	Forest Red Gum	15-25m	forestry tube	n/a	4
Eucalyptus crebra	Narrow-leaved Iron Bark	20-35m	forestry tube	n/a	4
Eucalyptus bauerana	Blue Gum	20-25+m	forestry tube	n/a	4
Angophora subvelutina	Broad-leaved Apple Gum	10-15m	forestry tube	n/a	3
Angophora floribunda	Rough Barked Apple	12-30m	forestry tube	n/a	2

MIX TYPE A				1.6	258 m²
Callistemon citrinus 'White Anzac'	White Anzac Bottlebrush	1m	150mm	0.4	103
Leptospermum 'Pink Cascade'	Tea Tree	1m	150mm	0.4	103
Lomandra longifolia	Mat Rush	1m	150mm	0.4	103
Melaleuca linariifolia 'Claret Top'	Claret Tops Honey Mrytle	1m	150mm	0.4	103
subtotal		-			412

MIX TYPE B				2.25	1014 m ²
Aristida vagans	Threeawn speargrass	0.8m	forestry tube	0.25	190
Aristida ramosa	Tussocky perennial	0.8m	forestry tube	0.25	190
Austrodanthonia tenuior	Wallerby Grass	0.8m	forestry tube	0.25	128
Dianella longifolia	Blue Flax-lily	0.8m	forestry tube	0.25	254
Lomandra longifolia	Mat Rush	0.8m	forestry tube	0.25	254
Microlaena stipoides		0.8m	forestry tube	0.25	254
Poa labillardieri 'Eskdale'	Eskdale Tussock Grass	0.8m	forestry tube	0.25	254
Themeda australis	Kangaroo Grass	0.8m	forestry tube	0.25	254
Themeda triandra	Kangaroo Grass	0.8m	forestry tube	0.25	254
subtotal		-			2032

MIX TYPE C				2	710 m ²
Carex appressa	Tall Sedge	0.8m	forestry tube	0.4	284
Dianella revoluta	Black-anther Flax-lily	0.8m	forestry tube	0.4	284
Juncus usitatus	Common Rush	0.8m	forestry tube	0.4	284
Lomandra hystrix	Slender Mat Rush	0.8m	forestry tube	0.4	284
Poa labillardieri 'Eskdale'	Eskdale Tussock Grass	0.6m	forestry tube	0.4	284
subtotal					1420

MIX TYPE D				1.6	485 m ²
Acacia fimbriata 'Dwarf'	Crimson Blush	1m	150mm	0.16	78
Bursaria spinosa	Sweet Bursaria	1m	150mm	0.16	78
Callistemon 'Little John'	Bottlebrush	1m	150mm	0.16	78
Melaleuca thymifolia	Thyme Honey-myrtle	1m	150mm	0.16	78
Dodonaea viscosa	Sticky hop bush	1m	150mm	0.16	78
Indigofera australis	Australian Indigo	1m	150mm	0.16	78
Leptospermum 'Pink Cascade'	Tea Tree	1m	150mm	0.16	78
Lomandra longifolia	Mat Rush	1m	150mm	0.16	78
Melaleuca linariifolia 'Claret Top'	Claret Tops Honey Mrytle	1m	150mm	0.16	78
Westringia fruticosa	Coastal Rosemary	1m	150mm	0.16	78
subtotal					780

MIX TYPE E				1.8	540 m ²
Callistemon citrinus 'White Anzac'	White Anzac Bottlebrush	0.8m	150mm	0.25	135
Dianella revoluta	Black-anther Flax-lily	0.8m	150mm	0.25	135
Grevillea 'Gaudi Chaudii'	Grevillea 'Gaudi Chaudii'	0.8m	150mm	0.25	135
Lomandra longifolia	Mat Rush	0.8m	150mm	0.25	135
Poa labillardieri 'Eskdale'	Eskdale Tussock Grass	0.8m	150mm	0.5	270
Westringia fruticosa 'Wynyabbie Gem'	Wynyabbie Coast Rosemary	0.25	135		
subtotal					
MIX TYPE F				1.6	183 m²
Acacia fimbriata 'Dwarf'	Crimson Blush	1m	150mm	0.4	73
Dianella longifolia	Blue Flax-lily	0.8m	150mm	0.4	73
Grevillea 'Gaudi Chaudii'	Grevillea 'Gaudi Chaudii'	0.8m	150mm	0.4	73
Trachelospermum jasminoides	Chinese star jasmine	0.8m	150mm	0.4	73

292

SINGLE SPECIES				1	
Westringia fruticosa 'Wynyabbie Gem'	Wynyabbie Coast Rosemary	0.8m	150mm	1.4	144
Lomandra longifolia	Mat Rush	0.8m	150mm	0.25	300
subtotal					444

PLANT SCHEDULE - Wetland Area

MACROPHYTE PLANTING

Baumea rubiginosa	Soft Twig-sedge
Bolboschoenus fluviatilis	Marsh Clubrush
Carex appressa	Tall Sedge
Eleocharis acuta	Small Spike Rush
Eleocharis sphacelata	Tall Spikerush
Ficinia nodosa	Knobby Club-Rush
Gahnia clarkei	Tall Saw-sedge
Gahnia sieberiana	Red-fruited Saw Sedge
Juncus usitatus	Common Rush
Lepironia articulata	Sedge
Baloskion tetraphyllum	Feather Rush
Schoenoplectus mucronatus	Star Club Rush
subtotal	

				1	
ASSISTED REVEGETATIO	ON PLANTING - CPW ZONE 1a 8	ZONE 1b		10	13600 m
Bursaria spinosa	Sweet Bursaria	3-4m	forestry tube	0.01	136
Acacia implexa	Lightwood	5-12m	forestry tube	0.01	136
Acacia parramattensis	Parramatta wattle	2-5m	forestry tube	0.01	136
Dodonaea viscosa	Sticky hop bush	1m (forestry tube	0.01	136
Indigofera australis	Australian Indigo	1m	forestry tube	0.01	136
Daviesia ulicifolia	Gorse Bitter Pea	2m	forestry tube	0.01	136
Microlaena stipoides		0.8m	forestry tube	0.01	136
Eucalyptus moluccana	Grey Box	25m	forestry tube	0.01	136
Eucalyptus eugenioides	Thin-leaved stringybark	30m	forestry tube	0.01	136
Eucalyptus crebra	Narrow-leaved Iron Bark	20-35m	forestry tube	0.01	136
Eucalyptus tereticornis	Forest Red Gum	15-25m	forestry tube	0.01	136
Eucalyptus fibrosa	Red Ironbark	15-35m	forestry tube	0.01	136
subtotal					1632
ASSISTED REVEGETATIO	ON PLANTING - CPW ZONE 2a			10	1000 m ²
Eucalyptus moluccana	Grey Box	25m	forestry tube	0.01	10
Eucalyptus eugenioides	Thin-leaved stringybark	30m	forestry tube	0.01	10
Eucalyptus amplifolia	Cabbage Gum	30m	forestry tube	0.01	10
Eucalyptus tereticornis	Forest Red Gum	15-25m	forestry tube	0.01	10
subtotal			,		40

ASSISTED REVEGETATION PLANTING - CPW ZONE 2b & ZONE 3b 80								
Microlaena stipoides		0.8m	forestry tube	0.01	80			
Aristida vagans	Threeawn speargrass	0.8m	forestry tube	0.01	80			
Aristida ramosa	Tussocky perennial	0.8m	forestry tube	0.01	80			
Eragrostis brownii	Brown's Common Lovegrass	0.3	forestry tube	0.01	80			
Bothriochloa macra	Red-leg Grass	1m	forestry tube	0.01	80			
Cymbopogon refractus	Barbed Wire Grass	1m	forestry tube	0.01	80			
Entolasia stricta	Wiry Panic	1.5m	forestry tube	0.01	80			
Imperata cylindrica	Japanese bloodgrass	1.2m	forestry tube	0.01	80			
Themeda australis	Kangaroo Grass	0.8m	forestry tube	0.01	80			
Bursaria spinosa	Sweet Bursaria	3-4m	forestry tube	0.01	80			
Acacia implexa	Lightwood	5-12m	forestry tube	0.01	80			
Acacia parramattensis	Parramatta wattle	2-5m	forestry tube	0.01	80			
Dodonaea viscosa	Sticky hop bush	1m	forestry tube	0.01	80			
Indigofera australis	Australian Indigo	1m	forestry tube	0.01	80			
Daviesia ulicifolia	Gorse Bitter Pea	2m	forestry tube	0.01	80			
Eucalyptus moluccana	Grey Box	25m	forestry tube	0.03	241			
Eucalyptus amplifolia	Cabbage Gum	30m	forestry tube	0.03	241			
Eucalyptus eugenioides	Thin-leaved stringybark	30m	forestry tube	0.03	241			
Eucalyptus crebra	Narrow-leaved Iron Bark	20-35m	forestry tube	0.03	241			
Eucalyptus tereticornis	Forest Red Gum	15-25m	forestry tube	0.03	241			
Eucalyptus fibrosa	Red Ironbark	15-35m	forestry tube	0.03	241			
subtotal					1926			

PLANT SCHEDULE - Riparian Re-generation Areas

Common Rush
Blue Flax-lily
Mat Rush
Saloop
Water Gum
Parramatta wattle
Coffee bush
Common Hop Bush
Downy Chance
Rice Flower

REGEN PLANTING - ZONE 2

Dianella longifolia	Blue Flax-lily
Lomandra longifolia	Mat Rush
Einadia hastata	Saloop
Microlaena stipoides	
Clerodendrum tomentosum	Downy Chance
Entolasia stricta	Wiry Panic
Austrostipa ramosissima	Stout Bamboo Grass
Themeda australis	Kangaroo Grass
Tristaniopsis laurina	Water Gum
Acacia parramattensis	Parramatta wattle
Breynia oblongifolia	Coffee bush
Dodonaea triquetra	Common Hop Bush
Leptospermum polygalifolium	Tantoon
Ozothamnus diosmifolius	Rice Flower
subtotal	

26	G	EN	PI	ΔΝΤ	ING	- 7	ONE	3
•••		_					OIL	

Entolasia stricta	Wiry Panic
Microlaena stipoides	
Juncus usitatus	Common Rush
Schoenoplectus mucronatus	Rough-seed bulrush
Lepironia articulata	Sedge
Dianella longifolia	Blue Flax-lily
Ficinia nodosa	Knobby Club-Rush
Lomandra longifolia	Mat Rush
Einadia hastata	Saloop
Backhousia myrtifolia	Grey myrtle
Tristaniopsis laurina	Water Gum
Acacia parramattensis	Parramatta wattle
Ozothamnus diosmifolius	Rice Flower
Breynia oblongifolia	Coffee bush
Eucalyptus punctata	Grey Gum
Eucalyptus eugenioides	Thin-leaved stringybark
Eucalyptus crebra	Narrow-leaved Iron Bark
Eucalyptus tereticornis	Forest Red Gum
subtotal	



 ARTERRA DESIGN PTY LTD
 ABN 40 069 552 610

 SUITE 602 / 51 RAWSON STREET,
 EPPING, NSW 2121

 P 02 9957 2466 F 02 9957 3977 W
 ARTERRA.COM.AU

		1.8	3000 m ²
0.7-1.1m	forestry tube	0.15	450
0.7-1.1m	forestry tube	0.15	450
0.7-1.1m	forestry tube	0.15	450
0.4m	forestry tube	0.15	450
0.7-1.1m	forestry tube	0.15	450
0.8m	forestry tube	0.15	450
1.5-2m	forestry tube	0.15	450
1.5-2m	forestry tube	0.15	450
0.8m	forestry tube	0.15	450
0.7-1.1m	forestry tube	0.15	450
1-1.2m	forestry tube	0.15	450
0.5-1m	forestry tube	0.15	450
			5400

			6500 m ²
0.8m	forestry tube	1 / 0.8m2	300
0.8m	forestry tube	1 / 0.8m2	50
0.8m	forestry tube	1 / 0.8m2	200
0.5m	forestry tube	1 / 0.8m2	50
3-6m	forestry tube	1 / 10m2	200
2-5m	forestry tube	1 / 10m2	200
3m	forestry tube	1 / 10m2	50
3m	forestry tube	1 / 10m2	50
5m	forestry tube	1 / 10m2	50
2m	forestry tube	1 / 10m2	50
			1200

			6500 ^{m²}
0.8m	forestry tube	4 / 1m2	300
0.8m	forestry tube	4 / 1m2	500
0.5m	forestry tube	4 / 1m2	200
0.8m	forestry tube	4 / 1m2	200
1.5m	forestry tube	4 / 1m2	200
1.5m	forestry tube	4 / 1m2	200
2.5m	forestry tube	4 / 1m2	200
0.8m	forestry tube	4 / 1m2	200
3-6m	forestry tube	1 / 40m2	15
2-5m	forestry tube	1 / 40m2	15
3m	forestry tube	1 / 40m2	20
3m	forestry tube	1 / 40m2	20
5m	forestry tube	1 / 40m2	40
2m	forestry tube	1 / 40m2	40
			2150

			300 m ²
			300 m
1.5m	forestry tube	2 / 10m2	100
0.8m	forestry tube	2 / 10m2	100
0.8m	forestry tube	2 / 10m2	40
0.5m	forestry tube	2 / 10m2	40
0.7-1.1m	forestry tube	2 / 10m2	40
0.8m	forestry tube	2 / 10m2	20
0.8m	forestry tube	2 / 10m2	40
0.8m	forestry tube	2 / 10m2	20
0.5m	forestry tube	2 / 10m2	10
7m	forestry tube	1 / 4m2	50
3-6m	forestry tube	1 / 4m2	50
2-5m	forestry tube	1 / 4m2	50
2m	forestry tube	1 / 4m2	50
3m	forestry tube	1 / 4m2	50
35m	forestry tube	1 / 10m2	25
30m	forestry tube	1 / 10m2	25
20-35m	forestry tube	1 / 10m2	25
15-25m	forestry tube	1 / 10m2	25
			760

CONSTRUCTION CERTIFICATE

Certificate No. Date of Issue Issuing Officer Accreditation No.

..20130299C40..... 10. November 2017... Jerr J. J. BPB0565

These plans/specifications form part of the certificate issued 10 November 2017

Е	Area of 2b CPW put on hold.	DSO	20/07/17
D	Revised for Council Approval	DSO	16/12/16
c	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Planting Schedule

Project No	:	16.09	($\overline{)}$
Designed	:	arterra		°)
Drawn	:	arterra		\mathcal{I}
Scale	:	1:250@A1, 1:500@A3		
		LANDSCAPE		
DRAWING NU	MBER			REVISION
L-CD-	-LC	04		E





Water Feature Legend



Large Floating Reticulation Fountain Aeration & Water Quality Foamed Float for stability Stainless steel strainer to base of water pump Open water body Nominal water level +46.5 Nominal Depth 4.5m Surface Area = 3300 sqm Wetland Planting / Water Quality Treatment Zone and Safety Bench Depth varied = nominal 500mm Surface Area = 3300 sqm

REFER TO L-CD-L007 FOR IRRIGATION EXTENT

_			
Н	Minor changes to path alignment	DSO	30/10/17
G	Minor changes to grading and path alignment	DSO	25/08/17
F	Water circulation intake / output and pump house updated. Issue for CC	DSO	20/07/17
E	Revised for Council Approval	DSO	13/04/13
D	Revised for Council Approval	DSO	16/12/16
С	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16
REVISION	DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Water Feature & Irrigation General Arrangement Plan

Project No	:	16.09	\frown
Designed	:	arterra	(•)
Drawn	:	arterra	\smile
Scale	:	NTS@A1	
DRAWING NU	MBER		REVISION
L-CD-	-LC	05	Н





Irrigation Legend

Note: Subject to licensing water is to be drawn from the lower dam. Alternatively the central dam is to be used. The frequency and duration of irrigation is to be balanced in such a way that the drawn down on the dam does not exceed 600mm of depth for 75% of the time.



Existing tree. <u>No</u> underground cables or conduits to occur under existing trees.

	Power supply
	Water Supply
	QCV Underground Pipe
	Irrigation Extent - (low water use Turf, Native Grasses & Shrub Plar
	QCV Extent
///	Wetland Planting in Safety Bench nominal 500mm design Water L
	Existing Open Water Body Nominal water level +46.5

E	Minor changes to path alignment	DSO	30/10/17
С	Irrigation intake / output and pump house added. Issue for CC	DSO	24/07/17
В	For Tender	DSO	05/10/16
А	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
REVISION	DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Irrigation Extent Plan

Project No Designed Drawn Scale	: : : :	16.09 arterra arterra NTS@A1	
		LANDSC	APE
DRAWING NUMB	ber LC	07	REVISION

CONSTRUCTION CERTIFICATE



These plans/specifications form part of the certificate issued 10 November 2017







Project No	:	16.09	$\left(\right)$	\square
Designed	:	arterra	(•)
Drawn	:	arterra	\sim	
Scale	:	1:1000@A1, 1:2000@	⊉A3	
		LANDSCAF	'E	
DRAWING NUMB	BER			REVISION
L-CD-I	_0	09		В
		Pl 1		20110112





LEGEND	
	Tree Protection Zone (TPZ) — outside of trees to be retained and protected
	– Existing Tree Retained
	Existing Tree Removed (Note: no TPZ's shown for these trees)
T388	Tree Identification Number
	Site Disturbance (due to roadworks, grading, stockpiling and services. No trees able to be retained in this area.)
~**	Star Picket / Flagging Fence by Civil to indicate extent of grading and undisturbed & protected site soil zones
	1.8m high chainlink temporary fencing around trees as indicated

D	Issue for CC	DSO	20/07/17
С	T357 in decline / moribund. Shown as removed by civil. Issue for Tender	DSO	16/12/16
В	1.8m. fencing revised. For Council Approval	DSO	16/12/16
А	For Tender	DSO	05/10/16
REVISION	DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Tree Removal & Protection Plan (South)

Project No	:	16.09		\bigcap	\square
Designed	:	arterra		(1	•)
Drawn	:	arterra		\sim	
Scale	:	1:1000@A1, 1:	2000@A	3	
		LANDSC	CAPE		
DRAWING NU	MBER				REVISION
L-CD-	-LO	10			D
		Р	lotted at :	12:16 pm	30/10/17

CONSTRUCTION CERTIFICATE

Certificate No. Date of Issue Issuing Officer Accreditation No

20130299C40 10.November 2017.

These plans/specifications form part of the certificate issued 10 November 2017







-		PE ARCHITECTS
ARTER SUITE 6 P 02 9	RA DESIGN PTY LTD 502 / 51 RAWSON STREET, 957 2466 F 02 9957 3977 N	ABN 40 069 552 610 EPPING, NSW 2121 N ARTERRA.COM.AU
Leger	nd	
47424242424242424243	Lot Boundary Proposed Conto	ours
	Stormwater pit /	swale & s w line
(.	Existing Tree to	be retained
	Tree in mulch s	urround
	Turf Profile 1	
	Garden Profile	1
	Garden Profile	2 (Macrophyte)
	Revegetation by	y Molino Stewart
	Existing Pasture	e Grass to be
	retained & prote	ected tion to be / Molino Stewart
	Pavement Type	1
	Pavement Type	2
	Fence type 1	
	Fence type 2	ture 'log' Retaining
	Wall by landsca	pe contractor
	Wall by civil cor	one 'log' Retaining htractor
 E2	Eding type 1	
	Underground el	ectrical line, light
{	Stormwater pit.	line, headwall
an	vun	mu
1	Key Plan	\bigcirc
H G	Changes clouded Minor changes to grading an	DSO 31/10/17 d path DSO 25/08/17
F	Fire trail amended. Issue for 0 Edging, culvert headwall & co	C DSO 20/07/17 ontours DSO 12/04/17
D	revised. For Council Approval For Council Approval	DSO 16/12/16
C B	For Tender For Pre-Tender Cost Estimat	e for DSO 05/10/16 DSO 16/08/16
A	For Construction Certificate	DSO 02/08/16
PROJECT	& CLIENT	
Red		
DA	12 - Belmont P	recinct
		,

Open Space: Finshes / General Arrangement Plan 16.09 Project No Designed arterra arterra Drawr 1:500@A1. 1:1000@A3

LANDSCAPE

50m

L-CD-L202

Plotted at : 1:14 pm 1/11/1

Н



	■ _{L@r}	- (
ARTERRA DESI SUITE 602 / 51 P 02 9957 2466	GN PTY LTD ABN RAWSON STREET, EPPI 5 F 02 9957 3977 W AR	40 069 NG, NS TERRA.	552 610 5W 2121 COM.AU
	Lot Boundary Proposed Contours Existing Contours Stormwater pit / swa Existing Tree to be re Tree in mulch surrou Turf Profile 1 Garden Profile 1 Garden Profile 2 (Ma Revegetation by Mo to regraded embank Existing Pasture Gra retained & protected Existing Vagetation 1 Regenerated by Mol Pavement Type 1 Pavement Type 1 Pavement Type 2 Fence type 1 Fence type 2 Sandstone Feature ¹ Wall by landscape o Existing Sandstone ¹ Underground electric Jole, pillar	le & s. etained acroph lino St ino St ino St log' Ri or cal line headw	w. line d yte) ewart be ewart ataining tor ataining vall
Key Pla	an	(
G Changes F Cluvert I alignmer E For Cour Edging & D For Cour C For Tend B For Pre-T Review A For Cons Review Description	clouded ength changed, path it & planting amended cicil Approval contours amended cicil Approval er ender Cost Estimate for truction Certificate N	DSO DSO DSO DSO DSO DSO CHKD	31/10/12 20/07/12 12/04/12 16/12/16 05/10/16 16/08/16 02/08/16 DATE
PROJECT & CLENT Redbank DA12 - I NORTH RICHMO DRAWING TITE Open Sp General	Belmont Precent ND JOINT VENTURE ace: Finshes , Arrangement	cinct /	t

		5	
Project No Designed Drawn Scale		16.09 arterra arterra 1:500@A1, 1:1000@A3	
		LANDSCAPE	
DRAWING NUN	^{(BER}	.03	REVISION

CONSTRUCTION CERTIFICATE

Certificate No. Date of Issue Issuing Officer Accreditation No.

.20130299C40. .10.November.2017.

These plans/specifications form part of the certificate issued 10 November 2017 20

10 0

Plotted at : 1:16 pm 1/11/17



Plotted at : 12:52 pm 30/10/12





ARTERRA DESIGN PTY LTD ABN 40 069 552 610 SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121 P 02 9957 2466 F 02 9957 3977 W ARTERRA.COM.AU

Legend - Planting Plan Landscape



Existing Tree to be retained

Park Tree in mulch surround

Wetland Planting refer to L-CD-L305

	Planting Mix A (Shrubs 1m)
	Planting Mix B (Grasses)
	Planting Mix C (Grasses / Wetland Edge)
	Planting Mix D (Shrub Mix 1-1.5m)
	Planting Mix E (Grasses & Shrubs 1m)
	Planting Mix F (Groundcovers)
	Planting Mix G (Macrophyte Wetland Plants)
$\langle \rangle$	Planting (Single Species)
	Turf
	Riparian Zone 1
	Riparian Zone 2
	Riparian Zone 3a
	Riparian Zone 3b
	CPW Zone 1a
	CPW Zone 1b
	CPW Zone 2a
	CPW Zone 2b

CPW Zone 3a & 3b



G	Changes clouded	DSO	30/10/17
F	Minor changes to grading and path alignment	DSO	25/08/17
E	Planting areas amended for fire trail. Issue for CC	DSO	20/07/17
D	Revised for Council Approval	DSO	16/12/16
С	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16
REVISIO	N DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Open Space: Planting Plan

Project No Designed Drawn Scale		16.09 arterra arterra 1:500@A1, 1:1000	@A3		\mathbb{D}
		LANDSCA	PE		
DRAWING NUN	iber L3	02			revision G
		Diott		1.13	20/10/17





Legend - Planting Plan Landscape

• E

Existing Tree to be retained



Park Tree in mulch surround

Wetland Planting refer to L-CD-L305

(Shrubs 1m)
Planting Mix B (Grasses)
Planting Mix C (Grasses / Wetland Edge)
Planting Mix D (Shrub Mix 1-1.5m)
Planting Mix E (Grasses & Shrubs 1m)
Planting Mix F (Groundcovers)
Planting Mix G (Macrophyte Wetland Plan
 Planting (Single Species)
Turf
Riparian Zone 1
Riparian Zone 2
Riparian Zone 3a
Riparian Zone 3b
CPW Zone 1a
CPW Zone 1b
CPW Zone 2a
CPW Zone 2b
CPW Zone 3a & 3b



F	Changes clouded	DSO	31/10/17
E	Planting areas amended. Issue for CC	DSO	20/07/17
D	Revised for Council Approval	DSO	16/12/16
С	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16
REVISION	DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Open Space: Planting Plan

:	16.09	\square
:	arterra	(•)
:	arterra	\smile
:	1:500@A1, 1:1000@A3	
	LANDSCAPE	
IBER		REVISION
L3	03	F
	: : : L3	: 16.09 : arterra : 1:500@A1, 1:1000@A3 LANDSCAPE ISBR L303

CONSTRUCTION CERTIFICATE

Certificate No. Date of Issue Issuing Officer Accreditation No. 50r

These plans/specifications form part of the certificate issued 10 November 2017

0 10 20



CONSTRUCTION CERTIFICATE

Certificate No. Date of Issue Issuing Officer Accreditation No. .20130299.C40... 10.November 2017... Jarra BPB0565

These plans/specifications form part of the certificate issued 10 November 2017



Wetland Plantin

Planting Mix A (Shrubs 1m) Planting Mix B (Grasses) Planting Mix C (Grasses / Wetland Edge) Planting Mix C (Shrub Mix 1-1.5m) Planting Mix F (Grasses & Shrubs 1m) Planting Mix F (Groundcovers) Planting Mix G (Macrophyte Wetland Plants) Planting (Single Species) Turf Riparian Zone 1 Riparian Zone 2 Riparian Zone 3a

Riparian Zone 3b

CPW Zone 1a

CPW Zone 1b

CPW Zone 2a

CPW Zone 2b

CPW Zone 3a & 3b



REVISION	DESCRIPTION	CHKD	DATE
А	For Construction Certificate	DSO	02/08/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
С	For Tender	DSO	05/10/16
D	Revised for Council Approval	DSO	16/12/16
E	Planting areas amended for fire trail. Issue for CC	DSO	20/07/17
F	Changes clouded	DSO	31/10/17

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Open Space: Planting Plan

Project No	:	16.09	\frown
Designed	:	arterra	
Drawn	:	arterra	\smile
Scale	:	1:500@A1, 1:1000@A3	
		LANDSCAPE	
drawing nu	MBER -L3	804	REVISION

7 Corymbia maculata (Large)

Mix B = 1014sqm (planted in groups of 11-19) Aristida spp Themeda triandra Themeda australis Austrodanthonia tenuior Dianella longifolia Lomandra longofolia

10 20





CONSTRUCTION CERTIFICATE

Certificate No. Date of Issue Issuing Officer Accreditation No

20130299C40 10 November 2017.... 10 November 2017... 10 BPB0565

These plans/specifications form part of the certificate issued 10 November 2017

Transplanting of existing reeds Before any earthworks occur on site the existing Baumea reeds are to be salvaged and temporarily stored within the lower dam until the site is ready for planting. These are to be re-planted as indicated parallel to the waters edge.

E	Profile added. Issue for CC	DSO	20/07/17
D	Baloskion tetraphyllum added Phragmites australis deleted	DSO	13/04/17
C	Revised for Council Approval	DSO	16/12/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	25/07/16
REVISION	DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Wetland Planting

Project No	:	16.09		$\left(\right)$	
Designed	:	arterra			•)
Drawn	:	arterra		\sim	
Scale	:	1:300@A1, 1:600)@A3		
		LANDSC	APE		
DRAWING NUM	MBER				REVISION
L-CD-	-L3	05			E
		N		1.22	20/10/17

- Soil Type NP 300 depth Clay liner to engineers Unameliorated Site top

Scale 1:50



Macrophyte plants - the number of plants per metre varies, refer to plant schedule. Ensure all - plants are fully saturated before removing pots and are securely planted within soil, so that they do not float to the surface when the dam is filled.

Finished grading, ensure the top of tube is at finished soil level

Indicative water level after planting works are

LANDSCAPE ARCHITECTS

ARTERRA DESIGN PTY LTD ABN 40 069 552 610 SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121 P 02 9957 2466 F 02 9957 3977 W ARTERRA.COM.AU

General Planting Notes: Tease / trim dense root matting at edge of container prior to backfilling. Remove any girdling or circling roots. Remove all nursery tags and stakes.

All plants are to be watered no more than 3 hours prior to planting then remove plants from containers. Water in again thoroughly not more than 3 hours after planting.

Installed under Civil contract

EA)	Scale 1:5		
\sim		Mar Marine Ma	
	3 no. 750mm x 10-12mm Bamboo or hardwood stakes	5	
		2	
	Green UV stabilised virgin	2	
	polyethylene tree guard	ــــــــــــــــــــــــــــــــــــــ	
	Native tree, shrub or grass seedlings - the r plants per metre varies, see plant schedule. plants have pots removed and are planted w	number of S Ensure all S vithin soil	
	and not in the mulch layer	}	
	50mm depth of mulch sp	ade edge	
	at base of plant	urf Brofile or Evicting	
	Pa	asture grass	
$\overline{\mathbf{n}}$		Heman Street MALA	
. / .			
Tuintin a in		$\left\{ \left $	
Installed u	Inder the Civil contract		
 Forestry t 	ube or space saver pot (ie 800m/ vol.)		
Aerate an planting o	nd breakup surrounding soil during operation. 200mm dia		
rad or as show	vn on plan		
	1	5	
		2	
	Scale 1:5	7	
)		کر	
		دې	
	M. M. J. L. L. M. J. J.		
<u> </u>			
			_
	Open Weave Jute Soil Saver (Mesh) by All Stake (or similar to be		
	approved) laid over a layer of mulch	G Changes clouded DS	0
		E Detail added. Issue for CC D	so
	— 30mm mulch	D Revised for Council Approval D	
		C For Tender D	SO
			so so
	U-shaped steel pins spaced @ 2 / m2	B For Pre-Tender Cost Estimate for D	50 50 50
	U-shaped steel pins spaced @ 2 / m2 and driven 150mm into subgrade	B For Pre-Tender Cost Estimate for D Review A For Construction Certificate D	50 50 50 50
i	U-shaped steel pins spaced @ 2 / m2 and driven 150mm into subgrade	B For Pre-Tender Cost Estimate for Review A For Construction Certificate D REVISION DESCRIPTION CH	SO SO SO SO TD
5288	U-shaped steel pins spaced @ 2 / m2 and driven 150mm into subgrade	B For Pre-Tender Cost Estimate for Review A For Construction Certificate D REVISION DESCRIPTION CHI	50 50 50 50 50
5.788	U-shaped steel pins spaced @ 2 / m2 and driven 150mm into subgrade	B For Pre-Tender Cost Estimate for Pre- Review For Construction Certificate D P REVISION DESCRIPTION CHI PROJECT & CLIENT REDBANK	50 50 50 50 50
	U-shaped steel pins spaced @ 2 / m2 and driven 150mm into subgrade Existing site soil or 300mm imported soil mix	B For Pre-Tender Cost Estimate for Pre- Review For Construction Certificate D P REVISION DESCRIPTION CHI REVISION DESCRIPTION CHI PROJECT & CLIENT Redbank DA12 - Belmont Precin	
	U-shaped steel pins spaced @ 2 / m2 and driven 150mm into subgrade Existing site soil or 300mm imported soil mix	B For Pre-Tender Cost Estimate for Pe- Review For Construction Certificate D D REVISION DESCRIPTION CHI PROJECT & CLIENT Redbank DA12 - Belmont Precin	
	U-shaped steel pins spaced @ 2 / m2 and driven 150mm into subgrade Existing site soil or 300mm imported soil mix	B For Pre-Tender Cost Estimate for Pe- Review D For Construction Certificate D D REVISION DESCRIPTION CHI PROJECT & CLIENT Redbank DA12 - Belmont Precin NORTH RICHMOND JOINT VENTURE	
	U-shaped steel pins spaced @ 2 / m2 and driven 150mm into subgrade	B For Pre-Tender Cost Estimate for Pei- Review Process Estimate for D P Revision Description Certificate D P Revision Description Certificate C P PROJECT & CLIENT Redbank DA12 - Belmont Precin NORTH RICHMOND JOINT VENTURE DRAWING TITLE Typical Section Details	
	U-shaped steel pins spaced @ 2 / m2 and driven 150mm into subgrade	B For Pre-Tender Cost Estimate for Pei- Review D For Construction Certificate D D REVISION DESCRIPTION CHI PROJECT & CLIENT Redbank DA12 - Belmont Precin NORTH RICHMOND JOINT VENTURE DRAWING TITLE Typical Section Details	
	U-shaped steel pins spaced @ 2 / m2 and driven 150mm into subgrade Existing site soil or 300mm imported soil mix Note: for management of soil erosion in exposed / re-graded areas along	B For Pre-Tender Cost Estimate for Review A For Construction Certificate D Project & CLENT Redbank DA12 - Belmont Precin NORTH RICHMOND JOINT VENTURE DRAWING TITLE Typical Section Details Project No : 16.09 Designed : arterra	

Scale 1:10

AS@A1

Scale

30/10/17

04/08/17

20/07/17

16/12/16

05/10/16 16/08/16

02/08/16





Note: Tease out or trim dense root matting at edge of container prior to backfilling. Remove any girdling or spiralling roots.

Remove all nursery tags and stakes.

Water rootball within 3 hours prior to planting and water in thoroughly within 3 hours after planting.

All trees should be self supporting. If trees are not self supporting the contractor is to supply and install 2 of 1800x50x50 H.W. temporary stakes and 2 x loose figure of 8 hessian ties diagonally. All 100L trees must be staked.

G	Changes clouded - B horizon deleted	DSO	30/10/17
F	Details added. Issue for CC	DSO	20/07/17
E	Revised for Council Approval	DSO	13/04/17
D	Revised for Council Approval	DSO	16/12/16
С	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16
REVISION	DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Typical Section Details

Project No	:	16.09		\frown
Designed	:	arterra		(•)
Drawn	:	arterra		\smile
Scale	:	AS@A1		
		LAND	SCAPE	
DRAWING NU	MBER			REVISION
L-CD	-L4	01		G

Plotted at : 1:37 pm 30/10/17





ARTERRA DESIGN PTY LTD ABN 40 069 552 610 SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121 P 02 9957 2466 F 02 9957 3977 W ARTERRA.COM.AU

G	Changes clouded	DSO	30/10/17
F	Details added. Issue for CC	DSO	20/07/17
E	Stair Plan Detail added	DSO	02/03/17
D	Revised for Council Approval	DSO	16/12/16
С	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16
REVISION	DESCRIPTION	CHKD	DATE

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Typical Section Details

_				
Project No	:	16.09		\bigcirc
Designed	:	arterra		(•)
Drawn	:	arterra		\smile
Scale	:	AS@A1		
		LAN	DSCAPE	
DRAWING NU	MBER			REVISION
L-CD-L402			G	
				-















CONSTRUCTION CERTIFICATE

Certificate No. Date of Issue Issuing Officer Accreditation No

20130299C40

These plans/specifications form part of the certificate issued 10 November 2017

WALL /	SEAT
--------	------

E	For CC	DSO	20/07/17
D	Revised for Council Approval	DSO	16/12/16
С	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16
REVISION	DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Typical Section Details -
Furniture (Shelter & Seat 2)

Project No	:	16.09		\frown
Designed	:	arterra		(•)
Drawn	:	arterra		\smile
Scale	:	AS@A1		
		LANE	DSCAPE	
DRAWING NU	JMBER			REVISION
L-CD	E			





CONSTRUCTION CERTIFICATE 20130299C40

Certificate No. Date of Issue Issuing Officer Accreditation No

10 November 2017

These plans/specifications form part of the certificate issued 10 November 2017

E	Changes clouded	DSO	30/10/17
D	Entrance and path areas revised. Issue for CC	DSO	20/07/17
С	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16
REVISION	DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Park Entry Arrangement 1

Project No	:	16.09		\square
Designed	:	arterra		(•)
Drawn	:	arterra		\smile
Scale	:	AS@A1		
		LAND	SCAPE	
DRAWING NUI	MBER			REVISION
L-CD-	-L4	07		E





REVISION	DESCRIPTION	CHKD	DATE
А	For Construction Certificate	DSO	02/08/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
C	For Tender	DSO	05/10/16
D	Details added. Issue for CC	DSO	20/07/17
E	Changes clouded	DSO	30/10/17

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Park Entry Arrangement 2

Project No	:	16.09		$\left(\right)$	$ \land $
Designed	:	arterra		(•)
Drawn	:	arterra		\sim	
Scale	:	AS@A1			
		LAND	SCAPE		
DRAWING NU	MBER				REVISION
L-CD-	-L4	80			E
			81 ··· 1 ··	0.43	20/40/47









E	Revised Signage Detail	DSO	30/10/17
D	Signage location amended, issue for CC	DSO	20/07/17
С	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16
REVISION	DESCRIPTION	CHKD	DATE

Project No Designed Drawn Scale		16.09 arterra arterra AS@A1			
		LANDSC	APE		
DRAWING NUMBER REVISION					











CONSTRUCTION CERTIFICATE

Certificate No. Date of Issue Issuing Officer Accreditation No.

These plans/specifications form part of the certificate issued 10 November 2017

E	Jointing layout amended	DSO	31/10/17
D	Detail added. Issue for CC	DSO	20/07/17
С	For Tender	DSO	05/10/16
В	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
А	For Construction Certificate	DSO	02/08/16
REVISION	DESCRIPTION	CHKD	DATE

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

Boardwalk General Arrangement

Project No	:	16.09		
Designed	:	arterra		
Drawn	:	arterra		\smile
Scale	:	AS@A1		
		LAND	SCAPE	
DRAWING NU	MBER			REVISION
L-CD-	-L4	14		E





A Detail added. Issue for CC DSO 20/07/17

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE DRAMANC 1

Boardwalk General Arrangement

Project No Designed Drawn Scale		16.09 arterra arterra AS@A1			~)	
LANDSCAPE						
DRAWING NUN	iber L4	15			REVISION	
			Plotted at :	5:51 pm	30/10/17	

CONSTRUCTION CERTIFICATE

These plans/specifications form part of the certificate issued 10 November 2017



