

PROJECT & CLIENT

**Redbank**  
Grose Vale Road North Richmond, NSW, 2754

**Belmont Precinct**



Prepared for :  
NORTH RICHMOND JOINT VENTURE

**Landscape Works Package**

**DRAWING INDEX**

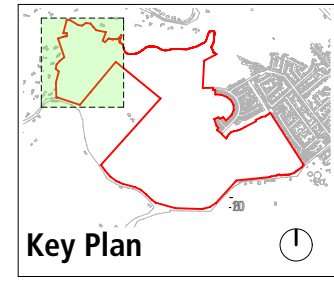
Drawing No:	Drawing Name	Current Rev.
L-CD-L000	Cover Page/Key Plan	G
L-CD-L001	Overall Site Plan	G
L-CD-L002	Landscape Specification	E
L-CD-L003	Materials Finishes Schedule	F
L-CD-L004	Planting Schedule	E
L-CD-L005	Water Feature & Irrigation General Arrangement P...	H
L-CD-L007	Irrigation Extent Plan	E
L-CD-L008	Vegetation Finishes Plan	F
L-CD-L009	Tree Removal & Protection Plan (North)	B
L-CD-L010	Tree Removal & Protection Plan (South)	D
L-CD-L011	Fence Arrangement Plan	E
L-CD-L201	Open Space: Finishes / General Arrangement Plan	F
L-CD-L202	Open Space: Finishes / General Arrangement Plan	H
L-CD-L203	Open Space: Finishes / General Arrangement Plan	G
L-CD-L204	Open Space: Finishes / General Arrangement Plan	F
L-CD-L302	Open Space: Planting Plan	G
L-CD-L303	Open Space: Planting Plan	F
L-CD-L304	Open Space: Planting Plan	F
L-CD-L305	Wetland Planting	E
L-CD-L400	Typical Section Details	G
L-CD-L401	Typical Section Details	G
L-CD-L402	Typical Section Details	G
L-CD-L403	Typical Section Details	E
L-CD-L404	Typical Section Details - Walls	F
L-CD-L405	Typical Section Details	F
L-CD-L406	Typical Section Details - Furniture (Shelter & Seat 2)	E
L-CD-L407	Park Entry Arrangement 1	E
L-CD-L408	Park Entry Arrangement 2	E
L-CD-L409	Park Entry Arrangement 3	E
L-CD-L410	Park Entry Arrangement 4, 5 & 6	E
L-CD-L411	Grose Vale Road - Feature Wall Entry Signage De...	E
L-CD-L413	Jetty Typical Detail	F
L-CD-L414	Boardwalk General Arrangement	E
L-CD-L415	Boardwalk General Arrangement	A
L-CD-L416	Typical Decking Details (Boardwalk)	E
L-CD-L417	Valve Viewing Platform General Arrangement	E

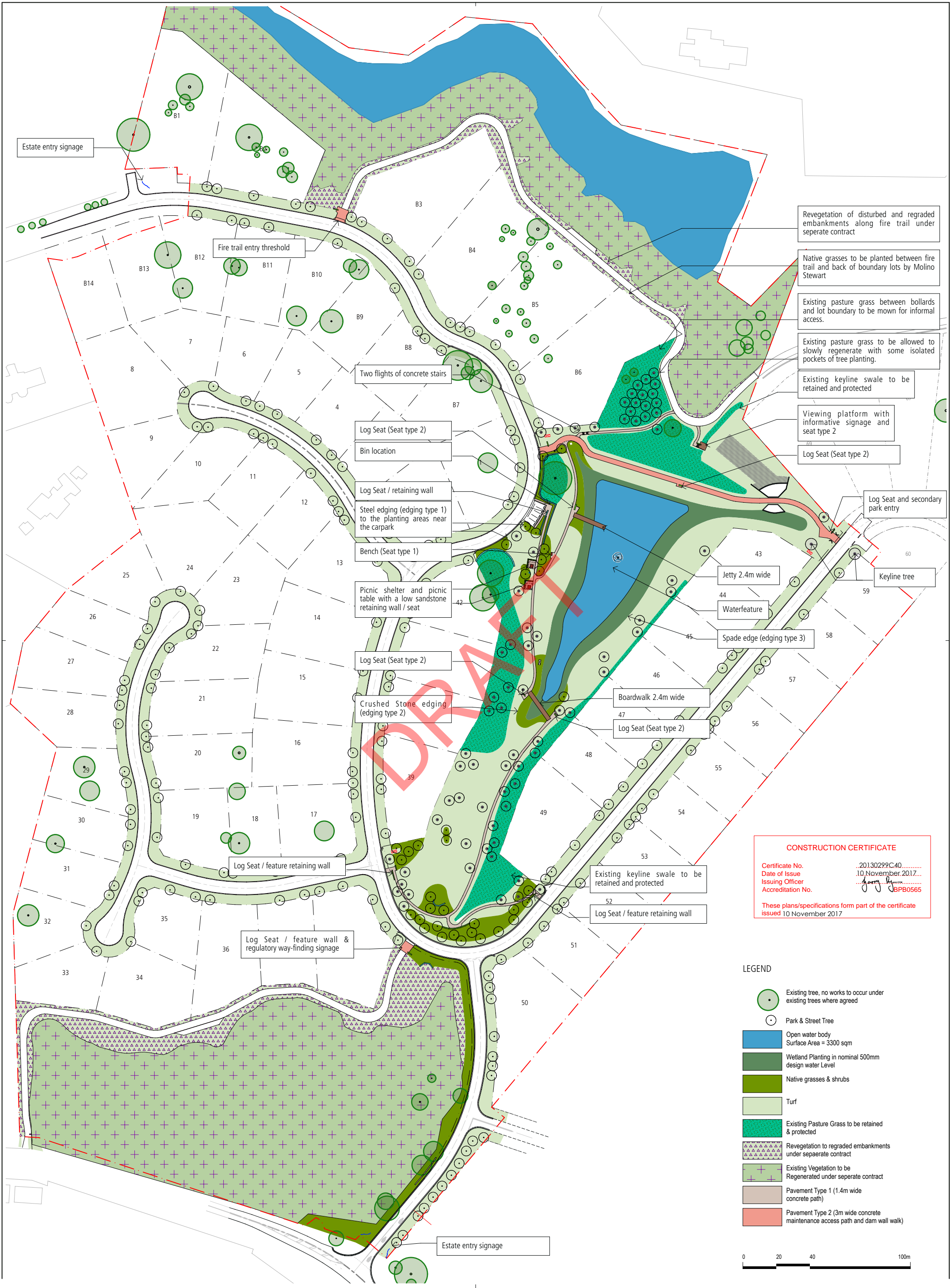
**CONSTRUCTION CERTIFICATE**

Certificate No. 20130299C40  
Date of Issue 10 November 2017  
Issuing Officer *[Signature]*  
Accreditation No. BPB0565

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

DA0438/14 - LOT B'1  
DA0452/14 - LOT B'2  
DA0451/14 - LOT B'3-'B'14  
DA0467/15 - LOT 1-59





Revegetation of disturbed and regraded embankments along fire trail under separate contract

Native grasses to be planted between fire trail and back of boundary lots by Molino Stewart

Existing pasture grass between bollards and lot boundary to be mown for informal access.

Existing pasture grass to be allowed to slowly regenerate with some isolated pockets of tree planting.

Existing keyline swale to be retained and protected

Viewing platform with informative signage and seat type 2

Log Seat (Seat type 2)

Log Seat and secondary park entry

Keyline tree

Spade edge (edging type 3)

Waterfeature

Jetty 2.4m wide

Boardwalk 2.4m wide

Log Seat (Seat type 2)

Crushed Stone edging (edging type 2)

Log Seat (Seat type 2)

Existing keyline swale to be retained and protected

Log Seat / feature retaining wall

Log Seat / feature retaining wall & regulatory way-finding signage

Log Seat / feature retaining wall

Bench (Seat type 1)

Picnic shelter and picnic table with a low sandstone retaining wall / seat

Steel edging (edging type 1) to the planting areas near the carpark

Log Seat / retaining wall

Bin location

Log Seat (Seat type 2)

Two flights of concrete stairs

Fire trail entry threshold

Estate entry signage

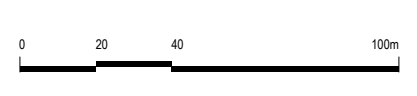
Estate entry signage

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- LEGEND**
- Existing tree, no works to occur under existing trees where agreed
  - Park & Street Tree
  - Open water body  
Surface Area = 3300 sqm
  - Wetland Planting in nominal 500mm design water Level
  - Native grasses & shrubs
  - Turf
  - Existing Pasture Grass to be retained & protected
  - Revegetation to regraded embankments under separate contract
  - Existing Vegetation to be Regenerated under separate contract
  - Pavement Type 1 (1.4m wide concrete path)
  - Pavement Type 2 (3m wide concrete maintenance access path and dam wall walk)



REVISION	DESCRIPTION	DATE	BY
E	Footpath and fire trail amended.	25/07/17	JSD
D	Edging notes added. Revised for Council Approval	13/04/17	JSD
C	For Tender	05/10/16	JSD
B	For Pre-Tender Cost Estimate for Review	16/08/16	JSD
A	For Construction Certificate	02/08/16	JSD
F	Minor changes to grading and path alignment	25/08/17	JSD
G	Signage amended	30/10/17	JSD





**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 - No toolled 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 Bollard		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	
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	SUPPLIER	PRODUCT NAME/CODE	FINISH/COLOUR	IMAGE
S6	SIGNAGE TYPE - GALVERNISED STEEL FRAME	Screenmakers:	WAY-FINDING REGULATORY	C-Beam Frame: Hot-dip galvanised steel, powder-coated dark grey. Fixing: Bolt fixed to slab Information Panel: Printed direct on to a pre-painted 5mm aluminium flatbed, with a clear satin matt, over-coated in an anti-graffiti finish. Size: subject to coordination	
	SIGNAGE TYPE - LAZER / PROFILE CUT BELMONT LOGO AND LETTERING	Cutout	ESTATE SIGNAGE	As detailed L-CD-L418	
	WATER FEATURE	Aquatec		Aquatec - V-Flow 110 F Aeration series Ø6.5m	
T1	TURF Buffalo	Buffalo matilda Turf			
M1	MULCH Site won mulch derived from tree removal and stockpiling.				
J1	JUTE MESH open weave 70G/M2, 20x20mm Grid Fastened with a "U" shaped pin	All Stakes Jute Soil Saver Mesh		Fabric: 100% biodegradable organic product made from Jute (hessian)	

**SOIL SCHEDULE**

DESCRIPTION	HATCH
<b>Soil Type A - Ameliorate site top soil (Brown coloured site top soil)</b> Spread the top soil Harrow to 100mm to roughly incorporate the additives into the soil as detailed in the following: - 400 g/m2 of agricultural lime - 100 g/m2 of gypsum - 50 g/m2 of NPK fertiliser approximating 10:4:8 - 30mm depth of green waste derived compost fines (30 litres/m2) <b>Alternatively the additives may be mixed thoroughly into the stockpile prior to spreading.</b> In this case add the following: - 1.2 kg/m3 of agricultural lime - 300 g/m3 of gypsum - 150 g/m3 of Low P NPK fertiliser approximating 10:4:8 - 90 litres/m3 of green waste derived compost fines	
<b>Soil Type B Imported 80/20 blend</b> It is to be comprised 80% of sand and 20% of natural top soil with a total maximum organic matter of 5%.	
<b>Soil Type C existing or reinstated sub soil ameliorated in situ. (Red coloured sub soil)</b> Spread to a min depth of 300mm prior to top soiling and apply the following: - 400 g/m2 of agricultural Lime - 200 g/m2 of Gypsum Chisel or disc plough to 150mm to incorporate additives Harrow to break up clods but do not smooth, leave the surface keyed to accept the top soil.	
<b>Soil Type NP - Ameliorate site top soil (Brown coloured site top soil)</b> Spread the top soil as detailed and apply the following: - 100 g/m2 of agricultural lime - 30 g/m2 of Low P NPK fertiliser approximating 10:2.5:8 - 15 mm depth of green waste derived compost fines (15 litres/m2) Harrow to 100mm to roughly incorporate the additives into the soil. <b>Alternatively the additives may be mixed thoroughly into the stockpile prior to spreading.</b> In this case add the following: - 500 g/m3 of agricultural lime - 150 g/m3 of Low P NPK fertiliser approximating 10:2.5:8 - 75 litres/m3 of green waste derived compost fines	
<b>Soil Type X - Un-ameliorated site top soil (Brown)</b>	

**SOIL STOCKPILES / COLOUR**

COLOUR	SOIL TYPE
BROWN	Existing site top soil to be separated out during excavation and stockpiled for re-use as top soil in the civil landscape works'
RED	Existing site sub soil to be separated out during excavation and replaced as sub soil (nom 300 depth) over the sub grade in re-graded areas.
WHITE	Existing sub grade. Not to be used as planting soil in the civil landscape works. In regrade areas this material is to be covered with 300 mm depth of Soil Type C (Red) prior to spreading top soil.

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



## PLANT SCHEDULE - Parkland Areas

Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<b>PARK TREES</b>					
<i>Acacia binervia</i>	Coast Myall	6-8m	25	n/a	3
<i>Angophora floribunda</i>	Rough Barked Apple	12-30m	45	n/a	10
<i>Angophora subvelutina</i>	Broad-leaved Apple Gum	10-15m	45	n/a	7
<i>Araucaria cunninghamii</i>	Hoop Pine	20-25+m	200	n/a	2
<i>Corymbia maculata</i>	Spotted Gum	35-45m	100	n/a	38
<i>Eucalyptus tereticornis</i>	Forest Red Gum	15-25m	45	n/a	10
<i>Eucalyptus amplifolia</i>	Cabbage Gum	20-30m	45	n/a	4
<i>Eucalyptus crebra</i>	Narrow-leaved Iron Bark	20-35m	45	n/a	28
<i>Tristaniopsis laurina</i>	Water Gum	5-8m	100	n/a	13

<b>TUBESTOCK TREES</b>					
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<i>Angophora floribunda</i>	Rough Barked Apple	12-30m	forestry tube	n/a	2
<i>Angophora subvelutina</i>	Broad-leaved Apple Gum	10-15m	forestry tube	n/a	3
<i>Eucalyptus bauerana</i>	Blue Gum	20-25+m	forestry tube	n/a	4
<i>Eucalyptus crebra</i>	Narrow-leaved Iron Bark	20-35m	forestry tube	n/a	4
<i>Eucalyptus tereticornis</i>	Forest Red Gum	15-25m	forestry tube	n/a	4
<b>subtotal</b>					<b>17</b>

<b>MIX TYPE A</b>					
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<i>Callistemon citrinus</i> 'White Anzac'	White Anzac Bottlebrush	1m	150mm	0.4	103
<i>Leptospermum</i> 'Pink Cascade'	Tea Tree	1m	150mm	0.4	103
<i>Lomandra longifolia</i>	Mat Rush	1m	150mm	0.4	103
<i>Melaleuca linariifolia</i> 'Claret Top'	Claret Tops Honey Myrtle	1m	150mm	0.4	103
<b>subtotal</b>					<b>412</b>

<b>MIX TYPE B</b>					
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<i>Aristida vagans</i>	Threawn speargrass	0.8m	forestry tube	0.25	190
<i>Aristida ramosa</i>	Tussocky perennial	0.8m	forestry tube	0.25	190
<i>Austroanthonia tenuior</i>	Wallerby Grass	0.8m	forestry tube	0.25	128
<i>Dianella longifolia</i>	Blue Flax-lily	0.8m	forestry tube	0.25	254
<i>Lomandra longifolia</i>	Mat Rush	0.8m	forestry tube	0.25	254
<i>Microlaena stipoides</i>		0.8m	forestry tube	0.25	254
<i>Poa labillardieri</i> 'Eskdale'	Eskdale Tussock Grass	0.8m	forestry tube	0.25	254
<i>Themeda australis</i>	Kangaroo Grass	0.8m	forestry tube	0.25	254
<i>Themeda triandra</i>	Kangaroo Grass	0.8m	forestry tube	0.25	254
<b>subtotal</b>					<b>2032</b>

<b>MIX TYPE C</b>					
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<i>Carex appressa</i>	Tall Sedge	0.8m	forestry tube	0.4	284
<i>Dianella revoluta</i>	Black-anther Flax-lily	0.8m	forestry tube	0.4	284
<i>Juncus usitatus</i>	Common Rush	0.8m	forestry tube	0.4	284
<i>Lomandra hystrix</i>	Slender Mat Rush	0.8m	forestry tube	0.4	284
<i>Poa labillardieri</i> 'Eskdale'	Eskdale Tussock Grass	0.6m	forestry tube	0.4	284
<b>subtotal</b>					<b>1420</b>

<b>MIX TYPE D</b>					
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<i>Acacia fimbriata</i> 'Dwarf'	Crimson Blush	1m	150mm	0.16	78
<i>Bursaria spinosa</i>	Sweet Bursaria	1m	150mm	0.16	78
<i>Callistemon 'Little John'</i>	Bottlebrush	1m	150mm	0.16	78
<i>Melaleuca thymifolia</i>	Thyme Honey-myrtle	1m	150mm	0.16	78
<i>Dodonaea viscosa</i>	Sticky hop bush	1m	150mm	0.16	78
<i>Indigofera australis</i>	Australian Indigo	1m	150mm	0.16	78
<i>Leptospermum 'Pink Cascade'</i>	Tea Tree	1m	150mm	0.16	78
<i>Lomandra longifolia</i>	Mat Rush	1m	150mm	0.16	78
<i>Melaleuca linariifolia</i> 'Claret Top'	Claret Tops Honey Myrtle	1m	150mm	0.16	78
<i>Westringia fruticosa</i>	Coastal Rosemary	1m	150mm	0.16	78
<b>subtotal</b>					<b>780</b>

<b>MIX TYPE E</b>					
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<i>Callistemon citrinus</i> 'White Anzac'	White Anzac Bottlebrush	0.8m	150mm	0.25	135
<i>Dianella revoluta</i>	Black-anther Flax-lily	0.8m	150mm	0.25	135
<i>Grevillea 'Gaudi Chaudii'</i>	Grevillea 'Gaudi Chaudii'	0.8m	150mm	0.25	135
<i>Lomandra longifolia</i>	Mat Rush	0.8m	150mm	0.25	135
<i>Poa labillardieri</i> 'Eskdale'	Eskdale Tussock Grass	0.8m	150mm	0.5	270
<i>Westringia fruticosa</i> 'Wynabbie Gem'	Wynabbie Coast Rosemary	0.8m	150mm	0.25	135
<b>subtotal</b>					<b>945</b>

<b>MIX TYPE F</b>					
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<i>Acacia fimbriata</i> 'Dwarf'	Crimson Blush	1m	150mm	0.4	73
<i>Dianella longifolia</i>	Blue Flax-lily	0.8m	150mm	0.4	73
<i>Grevillea 'Gaudi Chaudii'</i>	Grevillea 'Gaudi Chaudii'	0.8m	150mm	0.4	73
<i>Trachelospermum jasminoides</i>	Chinese star jasmine	0.8m	150mm	0.4	73
<b>subtotal</b>					<b>292</b>

Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<b>SINGLE SPECIES</b>					
<i>Westringia fruticosa</i> 'Wynabbie Gem'	Wynabbie Coast Rosemary	0.8m	150mm	1.4	144
<i>Lomandra longifolia</i>	Mat Rush	0.8m	150mm	0.25	300
<b>subtotal</b>					<b>444</b>

## PLANT SCHEDULE - CPW Re-vegetation Areas

Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<b>ASSISTED REVEGETATION PLANTING - CPW ZONE 1a &amp; ZONE 1b</b>					
<i>Bursaria spinosa</i>	Sweet Bursaria	3-4m	forestry tube	0.01	136
<i>Acacia implexa</i>	Lightwood	5-12m	forestry tube	0.01	136
<i>Acacia parramattensis</i>	Parramatta wattle	2-5m	forestry tube	0.01	136
<i>Dodonaea viscosa</i>	Sticky hop bush	1m	forestry tube	0.01	136
<i>Indigofera australis</i>	Australian Indigo	1m	forestry tube	0.01	136
<i>Daviesia ulicifolia</i>	Gorse Bitter Pea	2m	forestry tube	0.01	136
<i>Microlaena stipoides</i>		0.8m	forestry tube	0.01	136
<i>Eucalyptus moluccana</i>	Grey Box	25m	forestry tube	0.01	136
<i>Eucalyptus eugenioides</i>	Thin-leaved stringybark	30m	forestry tube	0.01	136
<i>Eucalyptus crebra</i>	Narrow-leaved Iron Bark	20-35m	forestry tube	0.01	136
<i>Eucalyptus tereticornis</i>	Forest Red Gum	15-25m	forestry tube	0.01	136
<i>Eucalyptus fibrosa</i>	Red Ironbark	15-35m	forestry tube	0.01	136
<b>subtotal</b>					<b>1632</b>

<b>ASSISTED REVEGETATION PLANTING - CPW ZONE 2a</b>					
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<i>Eucalyptus moluccana</i>	Grey Box	25m	forestry tube	0.01	10
<i>Eucalyptus eugenioides</i>	Thin-leaved stringybark	30m	forestry tube	0.01	10
<i>Eucalyptus amplifolia</i>	Cabbage Gum	30m	forestry tube	0.01	10
<i>Eucalyptus tereticornis</i>	Forest Red Gum	15-25m	forestry tube	0.01	10
<b>subtotal</b>					<b>40</b>

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

## PLANT SCHEDULE - Wetland Area

Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<b>MACROPHYTE PLANTING</b>					
<i>Baumea rubiginosa</i>	Soft Twig-sedge	0.7-1.1m	forestry tube	0.15	450
<i>Bolboschoenus fluviatilis</i>	Marsh Clubrush	0.7-1.1m	forestry tube	0.15	450
<i>Carex appressa</i>	Tall Sedge	0.7-1.1m	forestry tube	0.15	450
<i>Eleocharis acuta</i>	Small Spike Rush	0.4m	forestry tube	0.15	450
<i>Eleocharis sphacelata</i>	Tall Spikerush	0.7-1.1m	forestry tube	0.15	450
<i>Ficinia nodosa</i>	Knobby Club-Rush	0.8m	forestry tube	0.15	450
<i>Gahnia clarkei</i>	Tall Saw-sedge	1.5-2m	forestry tube	0.15	450
<i>Gahnia sieberiana</i>	Red-fruited Saw Sedge	1.5-2m	forestry tube	0.15	450
<i>Juncus usitatus</i>	Common Rush	0.8m	forestry tube	0.15	450
<i>Lepironia articulata</i>	Sedge	0.7-1.1m	forestry tube	0.15	450
<i>Baloskion tetraphyllum</i>	Feather Rush	1-1.2m	forestry tube	0.15	450
<i>Schoenoplectus mucronatus</i>	Star Club Rush	0.5-1m	forestry tube	0.15	450
<b>subtotal</b>					<b>5400</b>




## PLANT SCHEDULE - Riparian Re-generation Areas

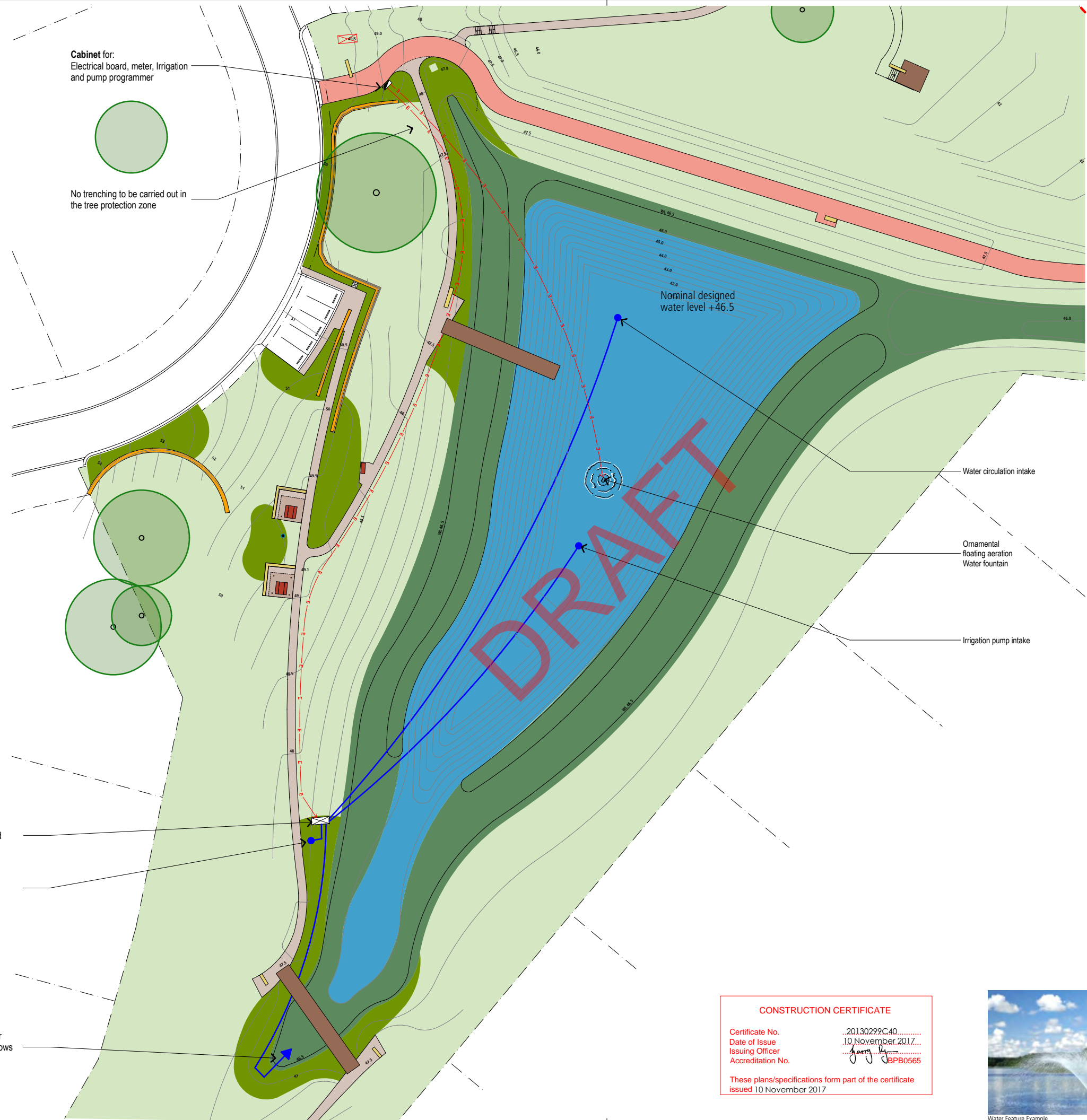
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<b>REGEN PLANTING - ZONE 1</b>					
<i>Juncus usitatus</i>	Common Rush	0.8m	forestry tube	1 / 0.8m <sup>2</sup>	300
<i>Dianella longifolia</i>	Blue Flax-lily	0.8m	forestry tube	1 / 0.8m <sup>2</sup>	50
<i>Lomandra longifolia</i>	Mat Rush	0.8m	forestry tube	1 / 0.8m <sup>2</sup>	200
<i>Einadia hastata</i>	Saloop	0.5m	forestry tube	1 / 0.8m <sup>2</sup>	50
<i>Tristaniopsis laurina</i>	Water Gum	3-6m	forestry tube	1 / 10m <sup>2</sup>	200
<i>Acacia parramattensis</i>	Parramatta wattle	2-5m	forestry tube	1 / 10m <sup>2</sup>	200
<i>Breynia oblongifolia</i>	Coffee bush	3m	forestry tube	1 / 10m <sup>2</sup>	50
<i>Dodonaea triquetra</i>	Common Hop Bush	3m	forestry tube	1 / 10m <sup>2</sup>	50
<i>Clerodendrum tomentosum</i>	Downy Chance	5m	forestry tube	1 / 10m <sup>2</sup>	50
<i>Ozothamnus diosmifolius</i>	Rice Flower	2m	forestry tube	1 / 10m <sup>2</sup>	50
<b>subtotal</b>					<b>1200</b>

<b>REGEN PLANTING - ZONE 2</b>					
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<i>Dianella longifolia</i>	Blue Flax-lily	0.8m	forestry tube	4 / 1m <sup>2</sup>	300
<i>Lomandra longifolia</i>	Mat Rush	0.8m	forestry tube	4 / 1m <sup>2</sup>	500
<i>Einadia hastata</i>	Saloop	0.5m	forestry tube	4 / 1m <sup>2</sup>	200
<i>Microlaena stipoides</i>		0.8m	forestry tube	4 / 1m <sup>2</sup>	200
<i>Clerodendrum tomentosum</i>	Downy Chance	1.5m	forestry tube	4 / 1m <sup>2</sup>	200
<i>Entolasia stricta</i>	Wiry Panic	1.5m	forestry tube	4 / 1m <sup>2</sup>	200
<i>Austrostipa ramosissima</i>	Stout Bamboo Grass	2.5m	forestry tube	4 / 1m <sup>2</sup>	200
<i>Themeda australis</i>	Kangaroo Grass	0.8m	forestry tube	4 / 1m <sup>2</sup>	200
<i>Tristaniopsis laurina</i>	Water Gum	3-6m	forestry tube	1 / 40m <sup>2</sup>	15
<i>Acacia parramattensis</i>	Parramatta wattle	2-5m	forestry tube	1 / 40m <sup>2</sup>	15
<i>Breynia oblongifolia</i>	Coffee bush	3m	forestry tube	1 / 40m <sup>2</sup>	20
<i>Dodonaea triquetra</i>	Common Hop Bush	3m	forestry tube	1 / 40m <sup>2</sup>	20
<i>Leptospermum polygalifolium</i>	Tantoon	5m	forestry tube	1 / 40m <sup>2</sup>	40
<i>Ozothamnus diosmifolius</i>	Rice Flower	2m	forestry tube	1 / 40m <sup>2</sup>	40
<b>subtotal</b>					<b>2150</b>

<b>REGEN PLANTING - ZONE 3</b>					
Botanical Name	Common Name	Potential Height Reached	Container Size	Density plants / m <sup>2</sup>	Quantity
<i>Entolasia stricta</i>	Wiry Panic	1.5m	forestry tube	2 / 10m <sup>2</sup>	100

**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

REVISION	DESCRIPTION	CHKD	DATE
H	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	13/04/17
D	Revised for Council Approval	DSO	16/12/16
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Water Feature & Irrigation General Arrangement Plan**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : NTS@A1

**LANDSCAPE**  
DRAWING NUMBER: L-CD-L005  
REVISION: H

**CONSTRUCTION CERTIFICATE**  
Certificate No. 20130299C40  
Date of Issue 10 November 2017  
Issuing Officer [Signature]  
Accreditation No. BPPB0565  
These plans/specifications form part of the certificate issued 10 November 2017











Water Feature Example



**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. No 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 Planting
-  QCV Extent
-  Wetland Planting in Safety Bench nominal 500mm design Water Level
-  Existing Open Water Body Nominal water level +46.5



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

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE

DRAWING TITLE  
**Irrigation Extent Plan**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : NTS@A1



**LANDSCAPE**

DRAWING NUMBER  
**L-CD-L007**

REVISION  
**E**

**CONSTRUCTION CERTIFICATE**

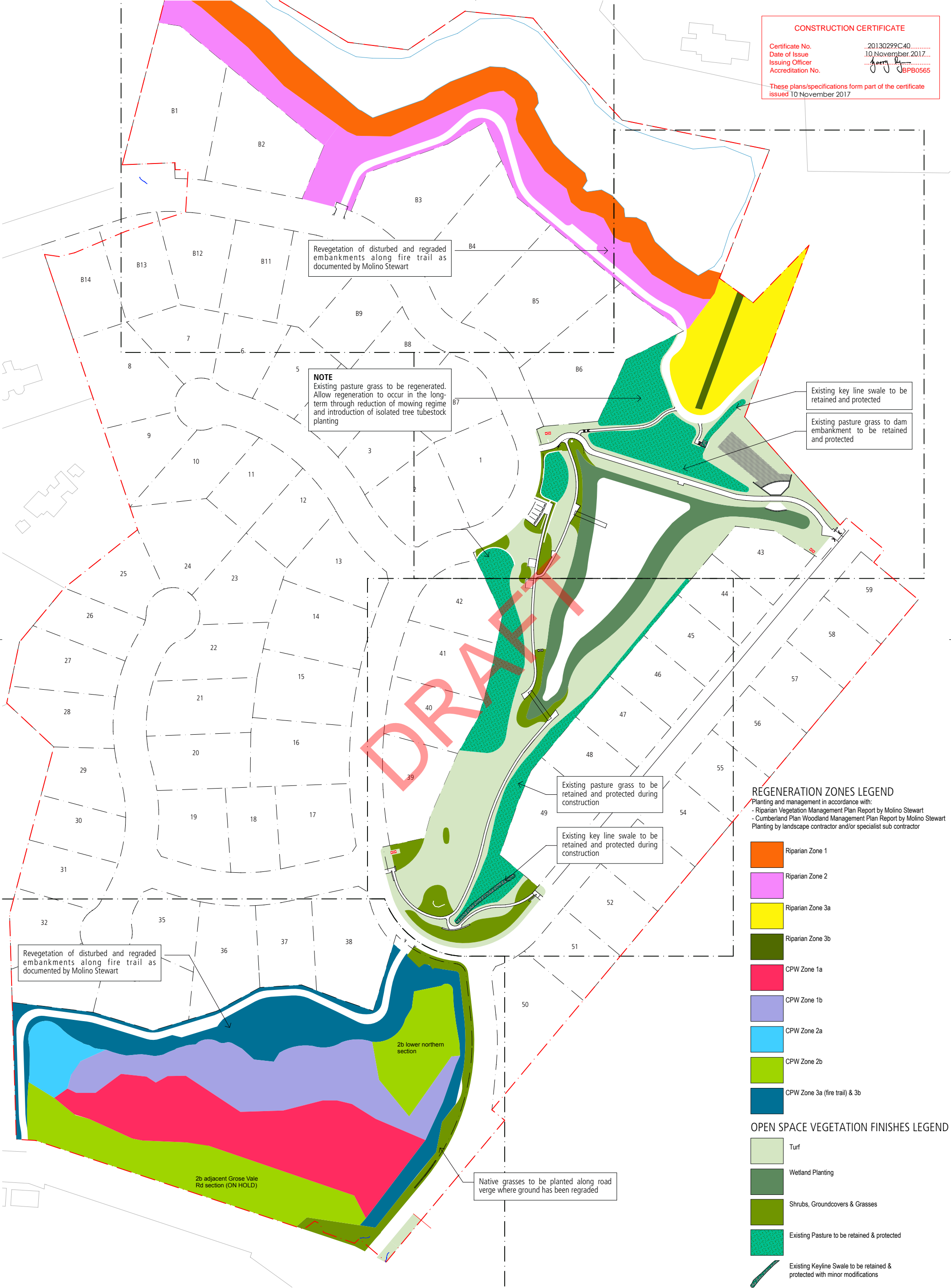
Certificate No. : 20130299C40.....  
Date of Issue : 10 November 2017...  
Issuing Officer : *Garry B...*  
Accreditation No. : *BPB0565*

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**CONSTRUCTION CERTIFICATE**

Certificate No. 20130299C40  
 Date of Issue 10 November 2017  
 Issuing Officer [Signature]  
 Accreditation No. BPB0565

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



Revegetation of disturbed and regraded embankments along fire trail as documented by Molino Stewart

**NOTE**  
 Existing pasture grass to be regenerated. Allow regeneration to occur in the long-term through reduction of mowing regime and introduction of isolated tree tubestock planting

Existing key line swale to be retained and protected

Existing pasture grass to dam embankment to be retained and protected

Existing pasture grass to be retained and protected during construction

Existing key line swale to be retained and protected during construction

Revegetation of disturbed and regraded embankments along fire trail as documented by Molino Stewart

2b lower northern section

2b adjacent Grose Vale Rd section (ON HOLD)

Native grasses to be planted along road verge where ground has been regraded

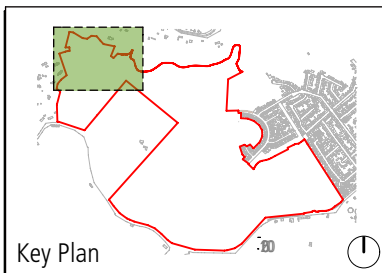
**REGENERATION ZONES LEGEND**  
 Planting and management in accordance with:  
 - Riparian Vegetation Management Plan Report by Molino Stewart  
 - Cumberland Plan Woodland Management Plan Report by Molino Stewart  
 Planting by landscape contractor and/or specialist sub contractor

- 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 (fire trail) & 3b

**OPEN SPACE VEGETATION FINISHES LEGEND**

- Turf
- Wetland Planting
- Shrubs, Groundcovers & Grasses
- Existing Pasture to be retained & protected
- Existing Keyline Swale to be retained & protected with minor modifications



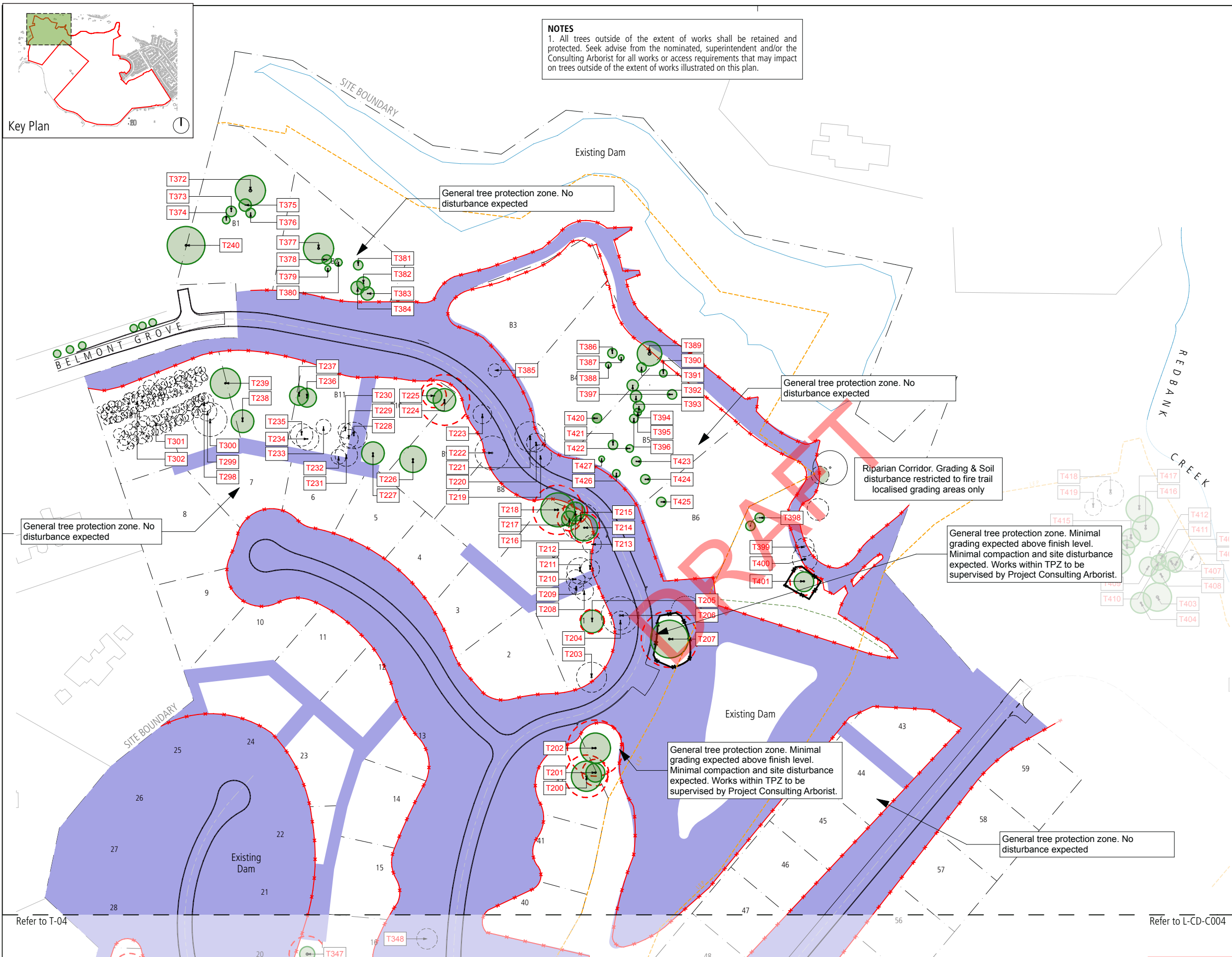


Key Plan

**NOTES**  
 1. All trees outside of the extent of works shall be retained and protected. Seek advise from the nominated, superintendent and/or the Consulting Arborist for all works or access requirements that may impact on trees outside of the extent of works illustrated on this plan.

**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)
- 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



Refer to T-04

Refer to L-CD-C004

**CONSTRUCTION CERTIFICATE**

Certificate No. 20130299C40  
 Date of Issue 10 November 2017  
 Issuing Officer [Signature]  
 Accreditation No. BPB0565

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

B	1.8m. fencing revised. For Council Approval	DSO	16/12/16
A	For Tender	DSO	05/10/16
REVISION	DESCRIPTION	CHKD	DATE

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE

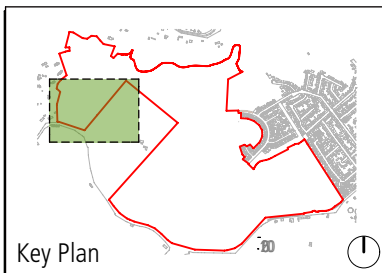
DRAWING TITLE  
**Tree Removal & Protection Plan (North)**

Project No : 16.09  
 Designed : arterra  
 Drawn : arterra  
 Scale : 1:1000@A1, 1:2000@A3

**LANDSCAPE**

DRAWING NUMBER  
**L-CD-L009**

REVISION  
**B**

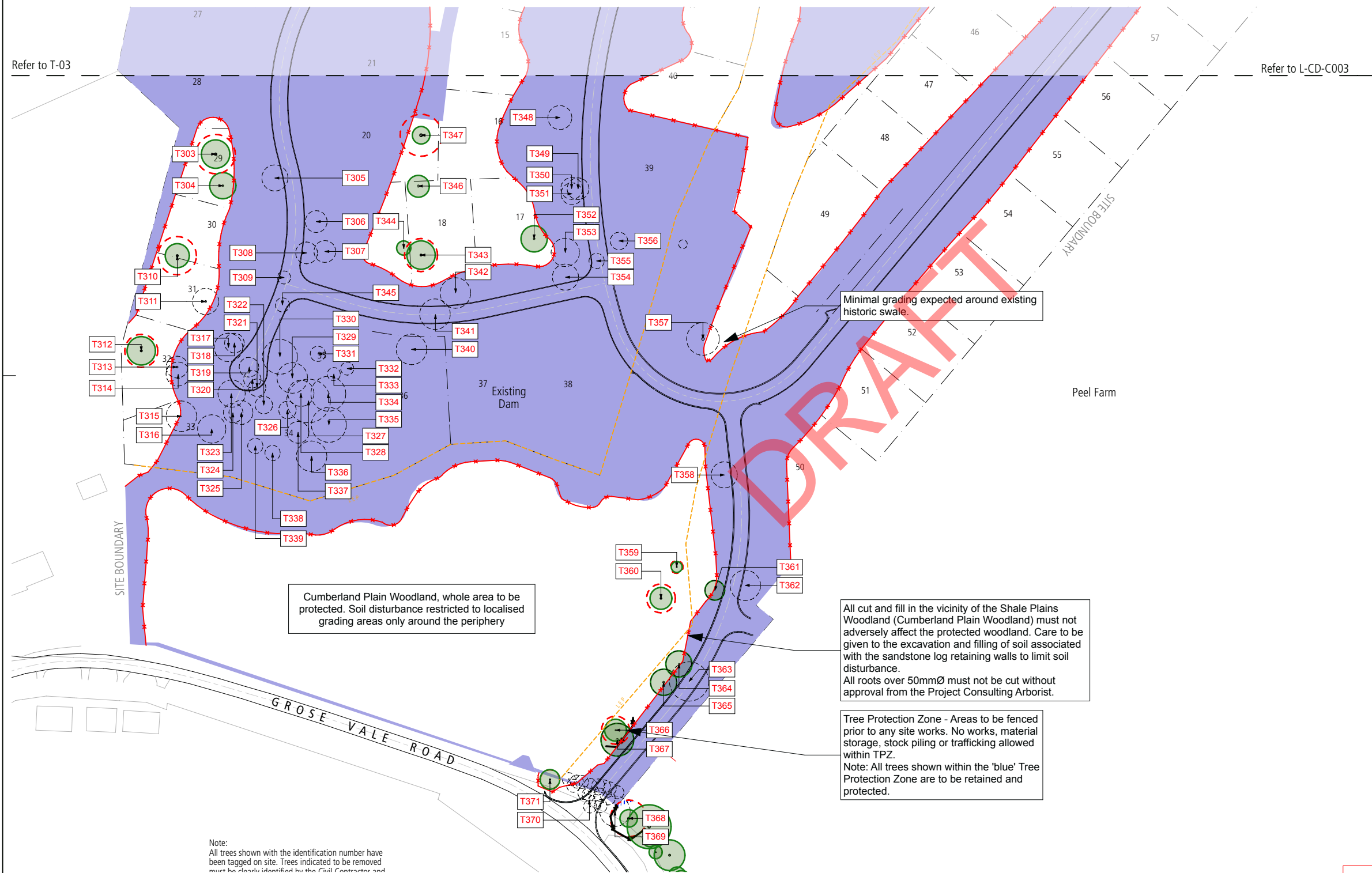


Key Plan

**NOTES**  
 1. All trees outside of the extent of works shall be retained and protected. Seek advise from the nominated, superintendent and/or the Consulting Arborist for all works or access requirements that may impact on trees outside of the extent of works illustrated on this plan.

**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)
- 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



Cumberland Plain Woodland, whole area to be protected. Soil disturbance restricted to localised grading areas only around the periphery

All cut and fill in the vicinity of the Shale Plains Woodland (Cumberland Plain Woodland) must not adversely affect the protected woodland. Care to be given to the excavation and filling of soil associated with the sandstone log retaining walls to limit soil disturbance.  
 All roots over 50mmØ must not be cut without approval from the Project Consulting Arborist.

Tree Protection Zone - Areas to be fenced prior to any site works. No works, material storage, stock piling or trafficking allowed within TPZ.  
 Note: All trees shown within the 'blue' Tree Protection Zone are to be retained and protected.

Note:  
 All trees shown with the identification number have been tagged on site. Trees indicated to be removed must be clearly identified by the Civil Contractor and

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

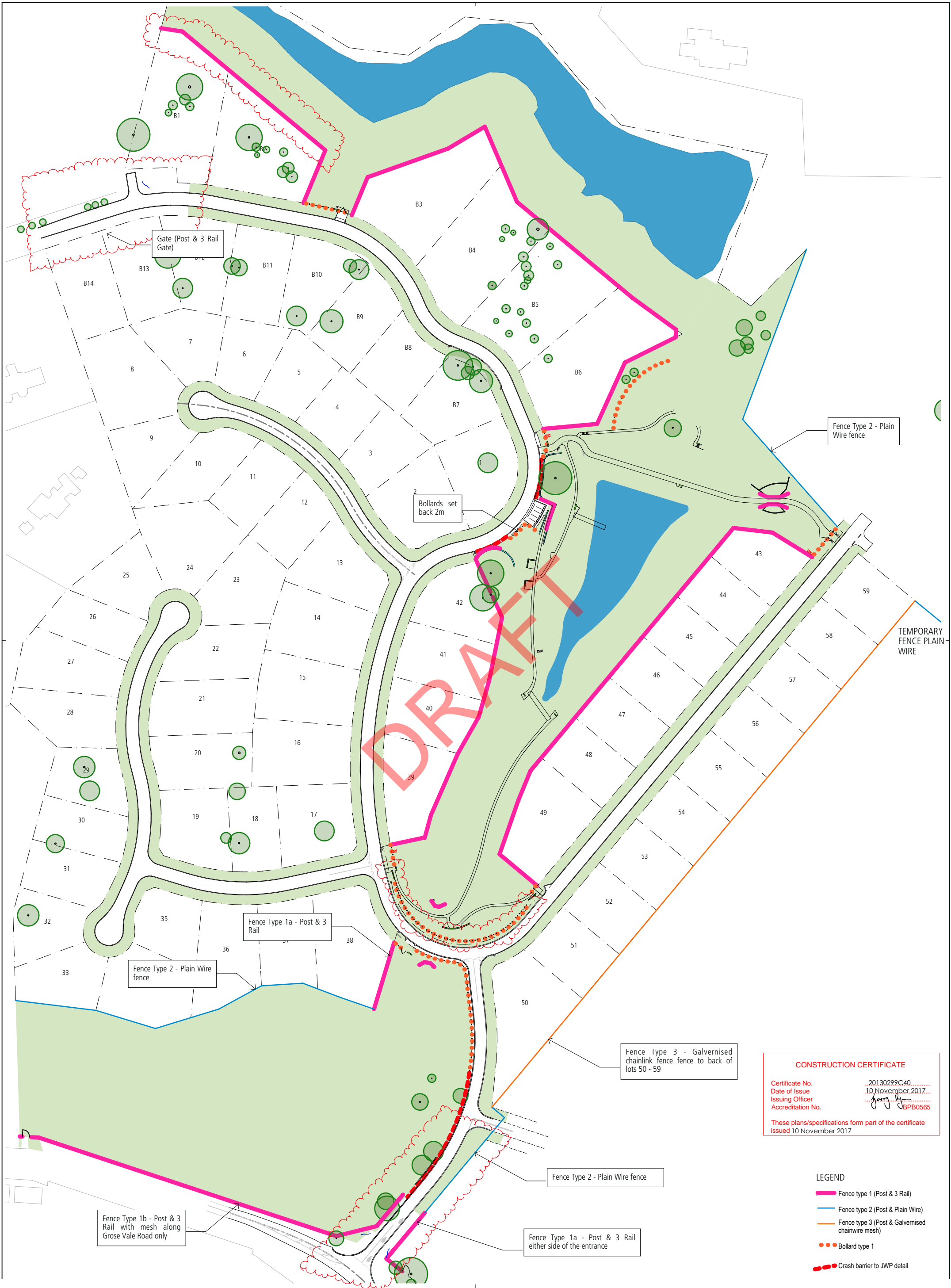
PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**  
 NORTH RICHMOND JOINT VENTURE  
 DRAWING TITLE  
**Tree Removal & Protection Plan (South)**

**CONSTRUCTION CERTIFICATE**  
 Certificate No. 20130299CA0  
 Date of Issue 10 November 2017  
 Issuing Officer [Signature]  
 Accreditation No. BPP0565  
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Project No : 16.09  
 Designed : arterra  
 Drawn : arterra  
 Scale : 1:1000@A1, 1:2000@A3

DRAWING NUMBER	REVISION
L-CD-L010	D





Gate (Post & 3 Rail Gate)

Bollards set back 2m

Fence Type 2 - Plain Wire fence

TEMPORARY FENCE PLAIN WIRE

Fence Type 1a - Post & 3 Rail

Fence Type 2 - Plain Wire fence

Fence Type 3 - Galvanised chainlink fence fence to back of lots 50 - 59

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 Date of Issue 10 November 2017  
 Issuing Officer [Signature]  
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Fence Type 2 - Plain Wire fence

Fence Type 1b - Post & 3 Rail with mesh along Grose Vale Road only

Fence Type 1a - Post & 3 Rail either side of the entrance

- LEGEND**
- Fence type 1 (Post & 3 Rail)
  - Fence type 2 (Post & Plain Wire)
  - Fence type 3 (Post & Galvanised chainwire mesh)
  - Bollard type 1
  - Crash barrier to JWP detail

**CONSTRUCTION CERTIFICATE**

Certificate No. 20130299C40  
 Date of Issue 10 November 2017  
 Issuing Officer [Signature]  
 Accreditation No. BPB0565

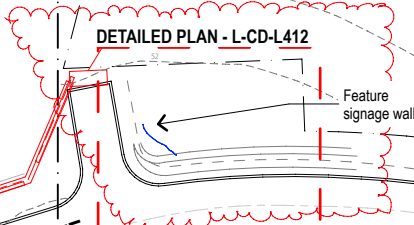
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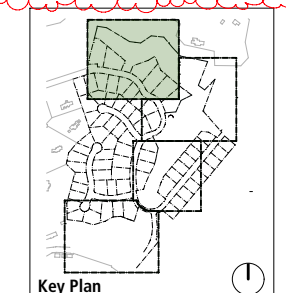
Refer to Nest Box Management Plan by Molino Stewart for placement of 10 nesting boxes in regeneration area

- Legend**
- Lot Boundary
  - - - Proposed Contours
  - - - Existing Contours
  - Stormwater pit / swale & s.w. line
  - Existing Tree to be retained
  - ⊙ Tree in mulch surround
  - Turf Profile 1
  - Garden Profile 1
  - Garden Profile 2 (Macrophyte)
  - ▨ Revegetation by Molino Stewart to regraded embankments
  - ▨ Existing Pasture Grass to be retained & protected
  - ⊕ Existing Vegetation to be Regenerated by Molino Stewart
  - Pavement Type 1
  - Pavement Type 2
  - Fence type 1
  - Fence type 2
  - Sandstone Feature 'log' Retaining Wall by landscape contractor
  - Existing Sandstone 'log' Retaining Wall by civil contractor
  - E1 E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12 E13 E14 E15 E16 E17 E18 E19 E20 E21 E22 E23 E24 E25 E26 E27 E28 E29 E30 E31 E32 E33 E34 E35 E36 E37 E38 E39 E40 E41 E42 E43 E44 E45 E46 E47 E48 E49 E50 E51 E52 E53 E54 E55 E56 E57 E58 E59 E60 E61 E62 E63 E64 E65 E66 E67 E68 E69 E70 E71 E72 E73 E74 E75 E76 E77 E78 E79 E80 E81 E82 E83 E84 E85 E86 E87 E88 E89 E90 E91 E92 E93 E94 E95 E96 E97 E98 E99 E100
  - E1 E2 E3 E4 E5 E6 E7 E8 E9 E10 E11 E12 E13 E14 E15 E16 E17 E18 E19 E20 E21 E22 E23 E24 E25 E26 E27 E28 E29 E30 E31 E32 E33 E34 E35 E36 E37 E38 E39 E40 E41 E42 E43 E44 E45 E46 E47 E48 E49 E50 E51 E52 E53 E54 E55 E56 E57 E58 E59 E60 E61 E62 E63 E64 E65 E66 E67 E68 E69 E70 E71 E72 E73 E74 E75 E76 E77 E78 E79 E80 E81 E82 E83 E84 E85 E86 E87 E88 E89 E90 E91 E92 E93 E94 E95 E96 E97 E98 E99 E100
  - Underground electrical line, light pole, pillar
  - Stormwater pit, line, headwall



REFER TO L-CD-L202

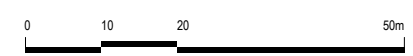
REVISION	DESCRIPTION	CHKD	DATE
F	Changes clouded	DSO	30/10/17
E	Fire trail amended. Issue for CC	DSO	20/07/17
D	For Council Approval	DSO	16/12/16
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16



PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**  
 NORTH RICHMOND JOINT VENTURE  
 DRAWING TITLE  
**Open Space: Finishes / General Arrangement Plan**

Project No : 16.09  
 Designed : artterra  
 Drawn : artterra  
 Scale : 1:500@A1, 1:1000@A3

**LANDSCAPE**  
 DRAWING NUMBER  
**L-CD-L201**  
 REVISION  
**F**









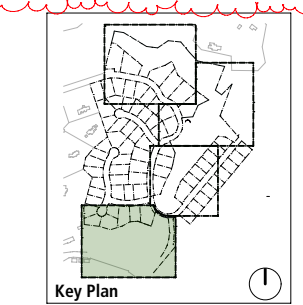




Refer to Nest Box Management Plan by Molino Stewart for placement of 10 nesting boxes in regeneration area

**Legend**

- Lot Boundary
- - - Proposed Contours
- - - Existing Contours
- Stormwater pit / swale & s.w. line
- Existing Tree to be retained
- ⊙ Tree in mulch surround
- Turf Profile 1
- Garden Profile 1
- Garden Profile 2 (Macrophyte)
- ▨ Revegetation by Molino Stewart to regraded embankments
- ▨ Existing Pasture Grass to be retained & protected
- ▨ Existing Vegetation to be Regenerated by Molino Stewart
- Pavement Type 1
- Pavement Type 2
- Fence type 1
- Fence type 2
- Sandstone Feature 'log' Retaining Wall by landscape contractor
- Existing Sandstone 'log' Retaining Wall by civil contractor
- E1 Edging type 1
- E2 Edging type 2
- Underground electrical line, light pole, pillar
- Stormwater pit, line, headwall



REVISION	DESCRIPTION	CHKD	DATE
F	Changes clouded	DSO	30/10/17
E	Planting areas amended for fire trail. Issue for CC	DSO	20/07/17
D	For Council Approval	DSO	16/12/16
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE

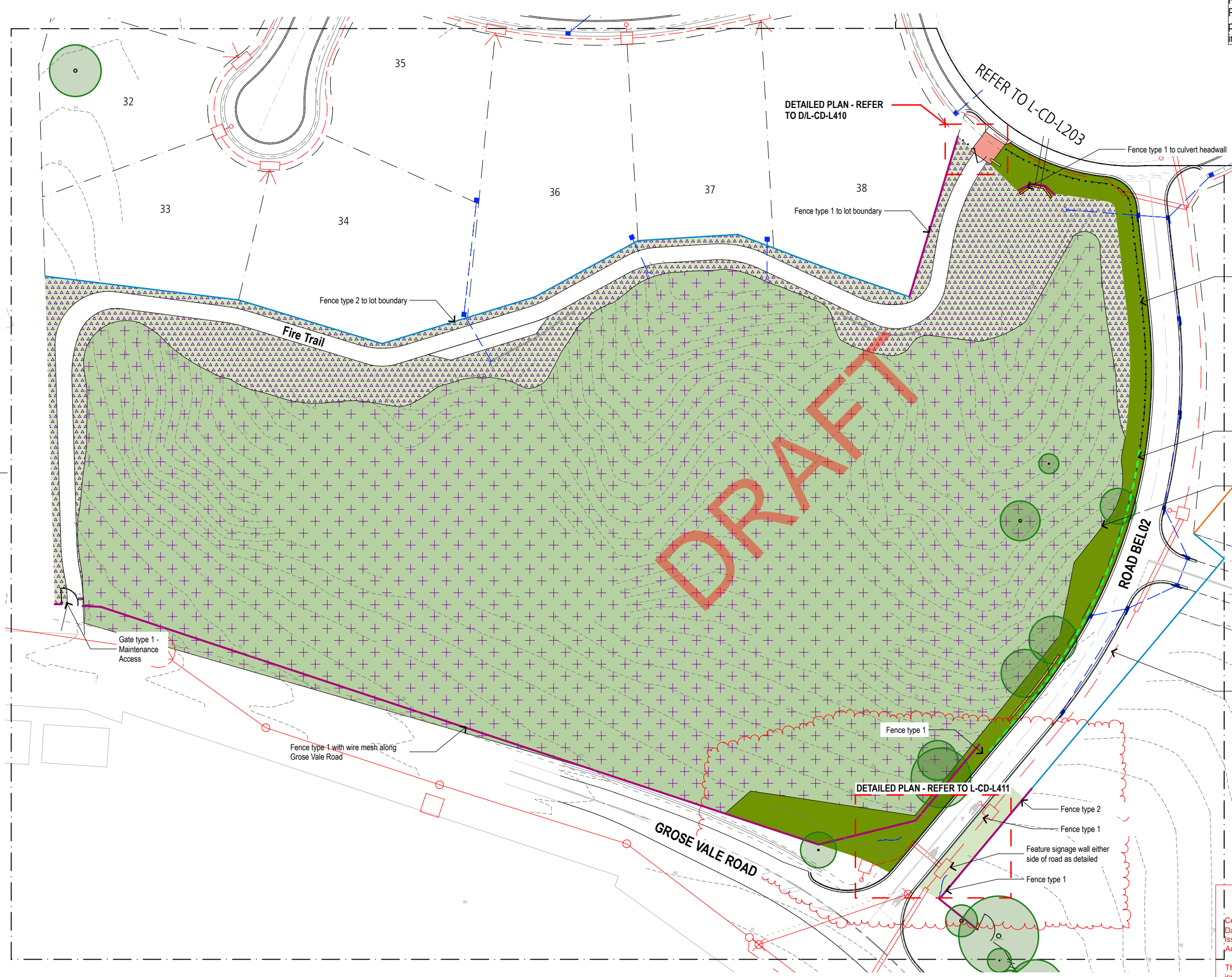
DRAWING TITLE  
**Open Space: Finishes / General Arrangement Plan**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : 1:500@A1, 1:1000@A3

**LANDSCAPE**

DRAWING NUMBER  
**L-CD-L204**

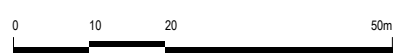
REVISION  
**F**



**CONSTRUCTION CERTIFICATE**

Certificate No. : 20130299C40  
Date of Issue : 10 November 2017  
Issuing Officer : *Joey J...*  
Accreditation No. : BPPB0565

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



**CONSTRUCTION CERTIFICATE**

Certificate No. 20130299C40  
 Date of Issue 10 November 2017  
 Issuing Officer [Signature]  
 Accreditation No. BPB0565

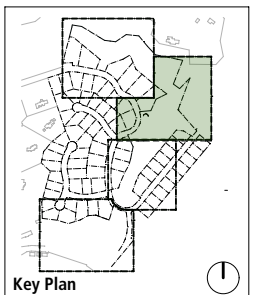
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**Legend - Planting Plan Landscape**

- 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)
  - 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

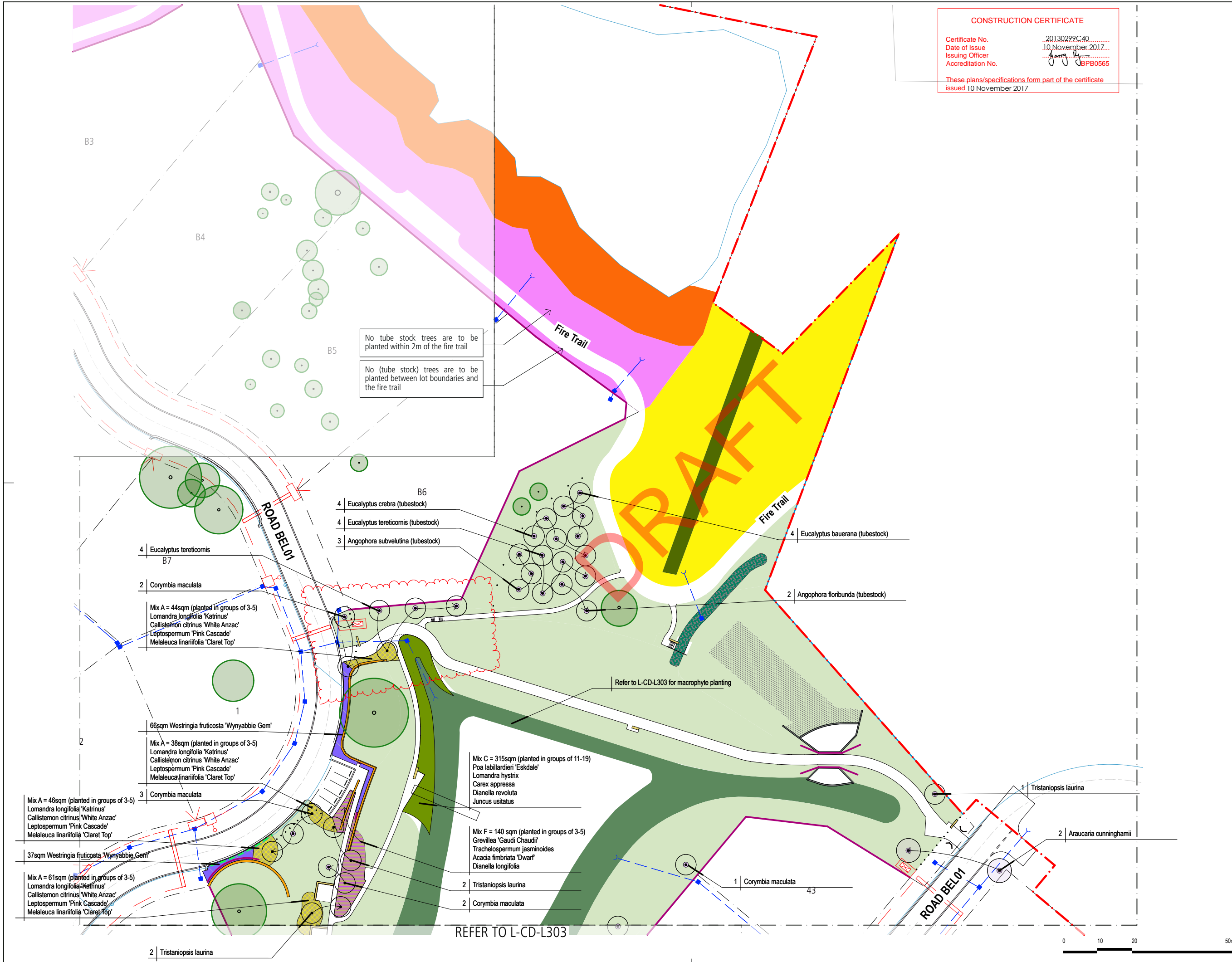


REVISION	DESCRIPTION	CHKD	DATE
G	Changes clouded	DSO	30/10/17
F	Minor changes to grading and path alignment	DSO	25/08/17
E	Planting areas amended for fire trail. Issue for CC	DSO	20/07/17
D	Revised for Council Approval	DSO	16/12/16
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO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

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**  
 NORTH RICHMOND JOINT VENTURE  
 DRAWING TITLE  
**Open Space: Planting Plan**

Project No : 16.09  
 Designed : arterra  
 Drawn : arterra  
 Scale : 1:500@A1, 1:1000@A3

**LANDSCAPE**  
 DRAWING NUMBER  
**L-CD-L302**  
 REVISION  
**G**



No tube stock trees are to be planted within 2m of the fire trail  
 No (tube stock) trees are to be planted between lot boundaries and the fire trail

**RAKETT**

ROAD BEL01

Mix A = 44sqm (planted in groups of 3-5)  
 Lomandra longifolia 'Katrinus'  
 Callistemon citrinus 'White Anzac'  
 Leptospermum 'Pink Cascade'  
 Melaleuca linariifolia 'Claret Top'

Mix A = 38sqm (planted in groups of 3-5)  
 Lomandra longifolia 'Katrinus'  
 Callistemon citrinus 'White Anzac'  
 Leptospermum 'Pink Cascade'  
 Melaleuca linariifolia 'Claret Top'

Mix A = 46sqm (planted in groups of 3-5)  
 Lomandra longifolia 'Katrinus'  
 Callistemon citrinus 'White Anzac'  
 Leptospermum 'Pink Cascade'  
 Melaleuca linariifolia 'Claret Top'

Mix A = 61sqm (planted in groups of 3-5)  
 Lomandra longifolia 'Katrinus'  
 Callistemon citrinus 'White Anzac'  
 Leptospermum 'Pink Cascade'  
 Melaleuca linariifolia 'Claret Top'

4 Eucalyptus crebra (tubestock)  
 4 Eucalyptus tereticornis (tubestock)  
 3 Angophora subvelutina (tubestock)

4 Eucalyptus bauerana (tubestock)  
 2 Angophora floribunda (tubestock)

Mix C = 315sqm (planted in groups of 11-19)  
 Poa labillardieri 'Eskdale'  
 Lomandra hystrix  
 Carex appressa  
 Dianella revoluta  
 Juncus usitatus

Mix F = 140 sqm (planted in groups of 3-5)  
 Grevillea 'Gaudi Chaudii'  
 Trachelospermum jasminoides  
 Acacia fimbriata 'Dwarf'  
 Dianella longifolia

REFER TO L-CD-L303





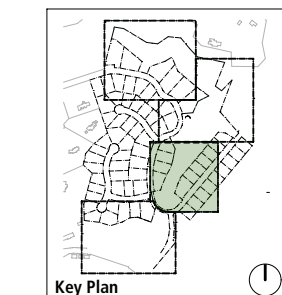
Legend - Planting Plan Landscape

- 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)
- 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
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
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Open Space: Planting Plan**

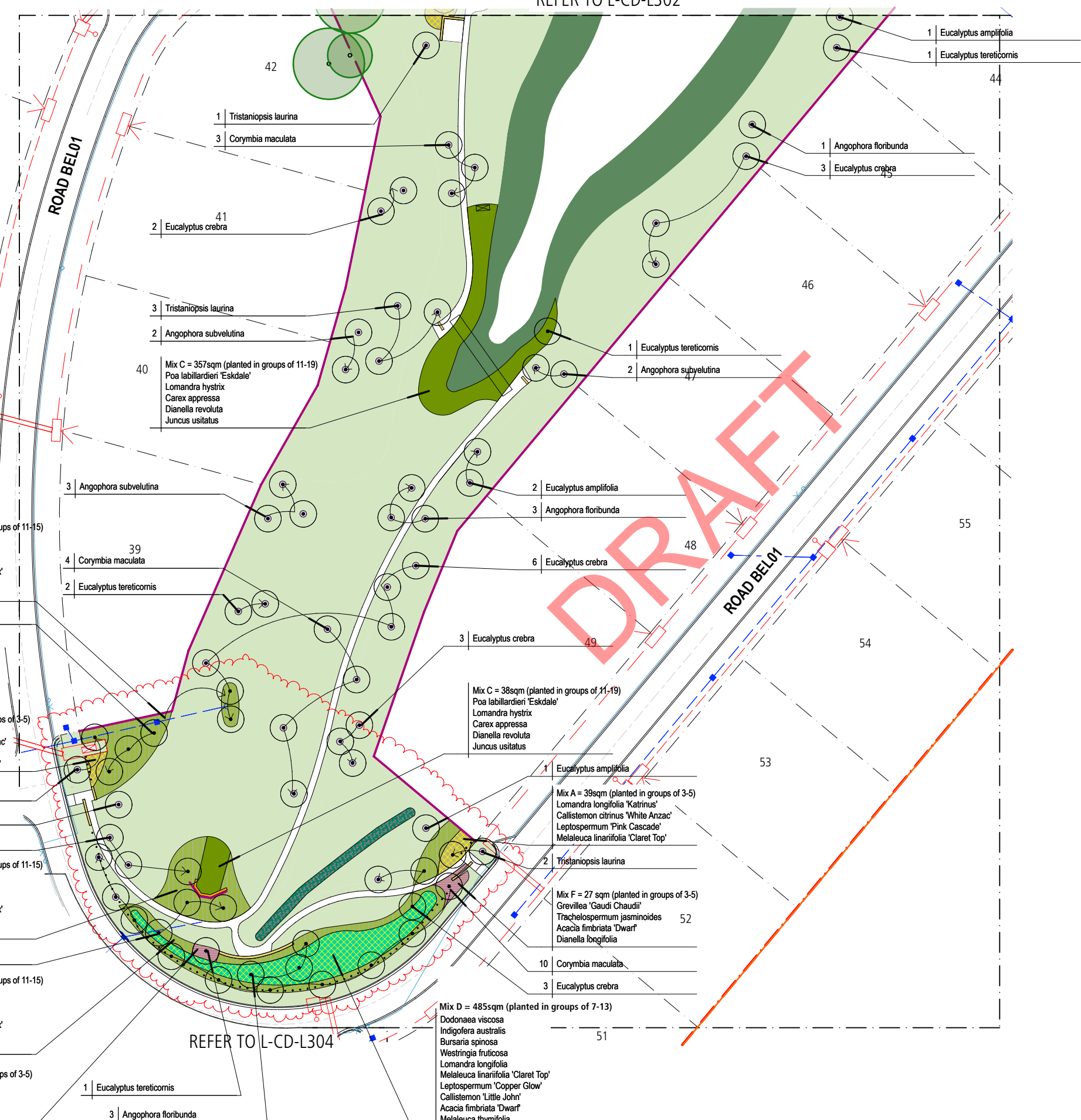
Project No : 16\_09  
Designed : arterra  
Drawn : arterra  
Scale : 1:500@A1, 1:1000@A3

LANDSCAPE  
DRAWING NUMBER  
**L-CD-L303** REVISION  
**F**

REFER TO L-CD-L302

REFER TO L-CD-L304

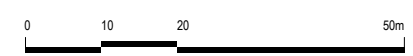
DRAFT



CONSTRUCTION CERTIFICATE

Certificate No. : 20130299C40  
Date of Issue : 10 November 2017  
Issuing Officer : *[Signature]*  
Accreditation No. : BFP0565

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



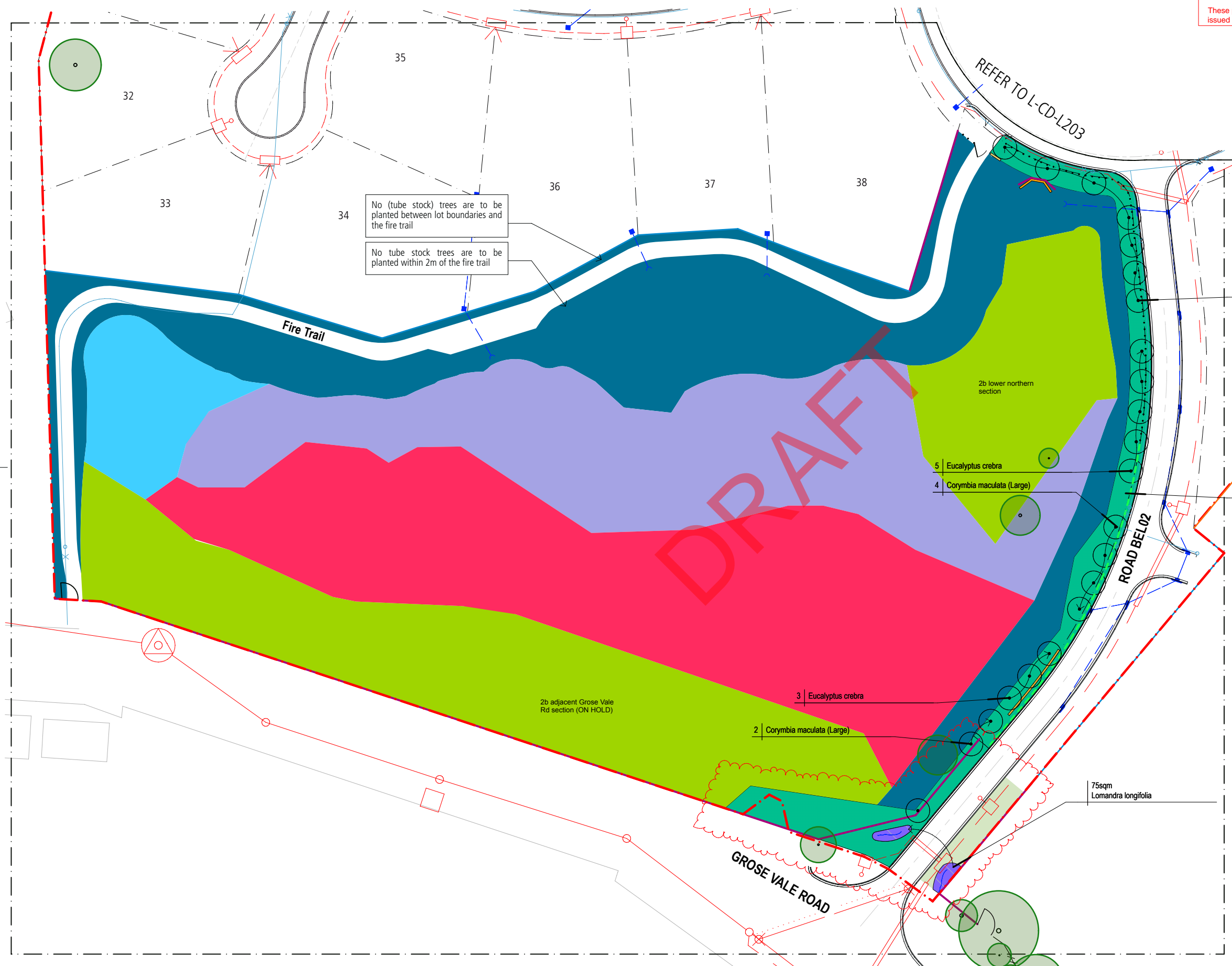
**CONSTRUCTION CERTIFICATE**

Certificate No. ...20130299C40.....  
 Date of Issue ...10 November 2017...  
 Issuing Officer *Jerry B...*  
 Accreditation No. ...BPB0565...

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

**arterra**  
 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



- 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)
  - 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

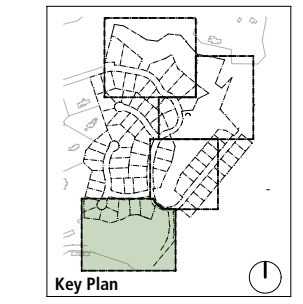
7 *Corymbia maculata* (Large)

2b lower northern section

5 *Eucalyptus crebra*

4 *Corymbia maculata* (Large)

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



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

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE

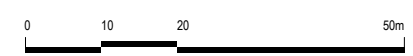
DRAWING TITLE  
**Open Space: Planting Plan**

Project No : 16.09  
 Designed : arterra  
 Drawn : arterra  
 Scale : 1:500@A1, 1:1000@A3

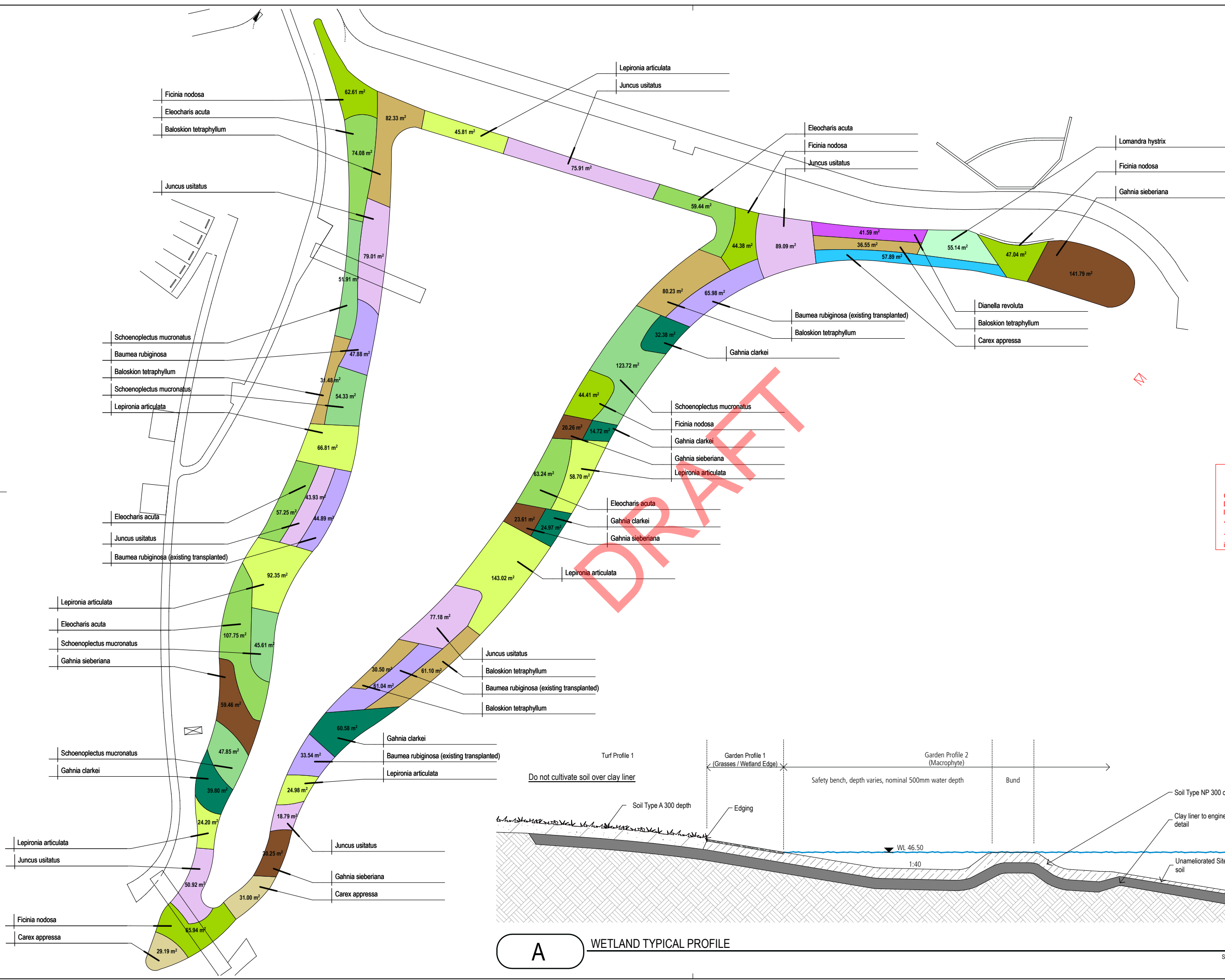
**LANDSCAPE**

DRAWING NUMBER  
**L-CD-L304**

REVISION  
**F**





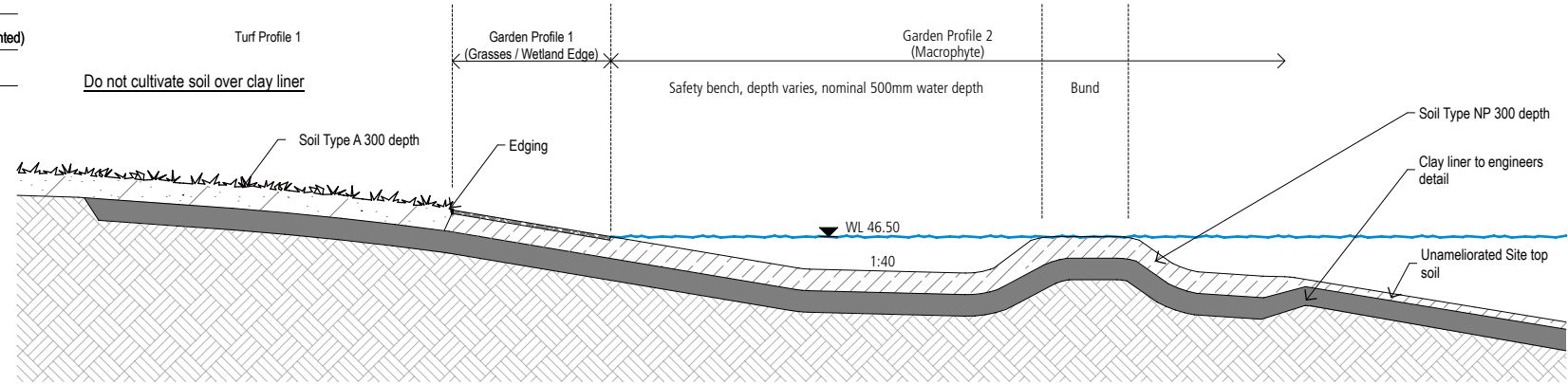


**CONSTRUCTION CERTIFICATE**

Certificate No. 20130299C40  
Date of Issue 10 November 2017  
Issuing Officer [Signature]  
Accreditation No. 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.



**A WETLAND TYPICAL PROFILE**

REVISION	DESCRIPTION	CHKD	DATE
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
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	25/07/16

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

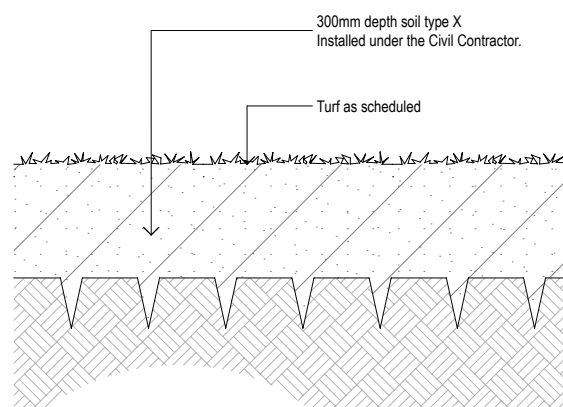
NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Wetland Planting**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : 1:300@A1, 1:600@A3

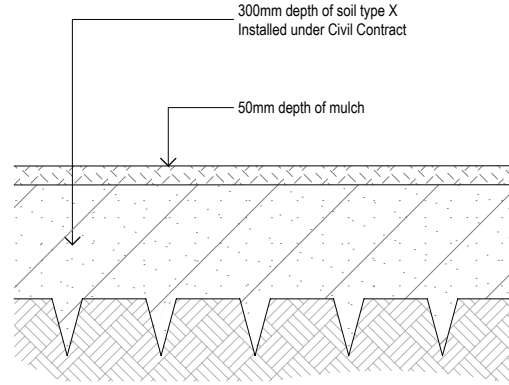
**LANDSCAPE**

DRAWING NUMBER: L-CD-L305  
REVISION: E

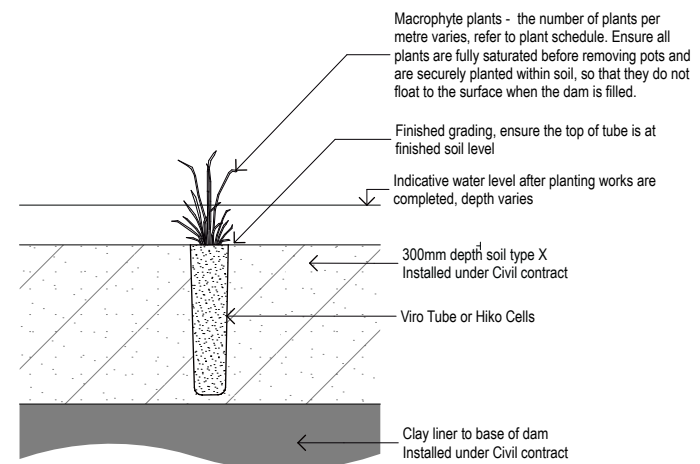
Plotted at: 1:23 pm 30/10/17



**A** TURF PROFILE 1 (OPEN SPACE) Scale 1:10

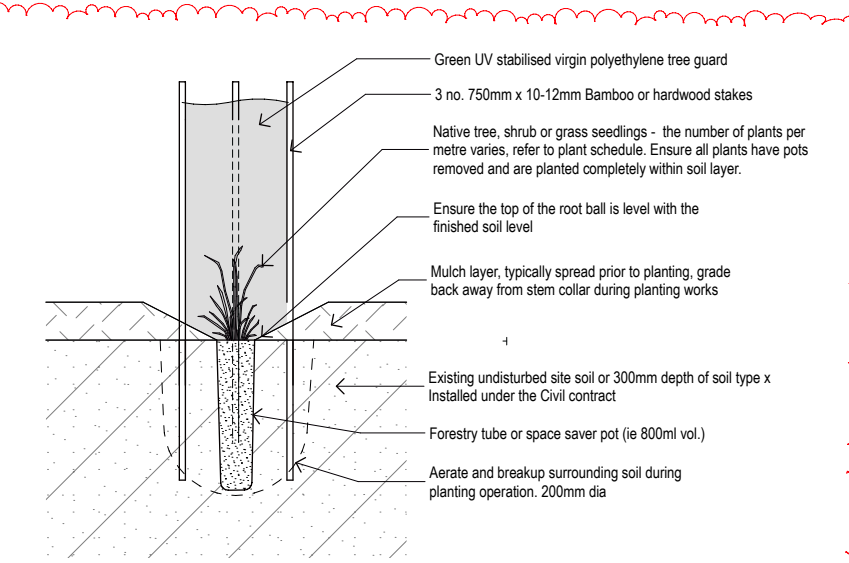


**B** GARDEN PROFILE 1 Scale 1:10

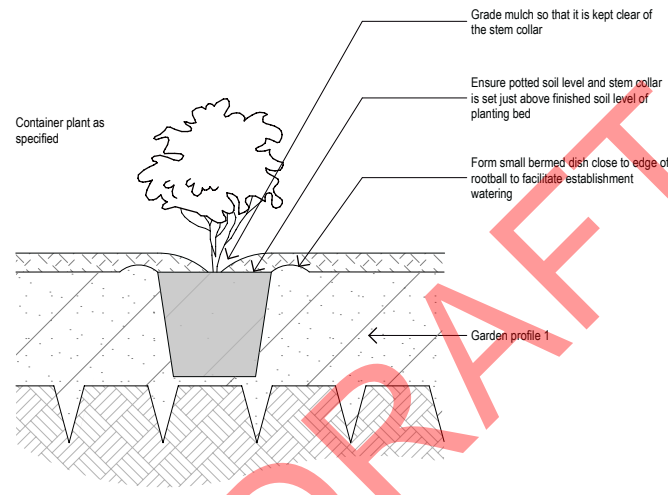


**C** GARDEN PROFILE 2 (WETLAND PLANTING AREA) Scale 1:5

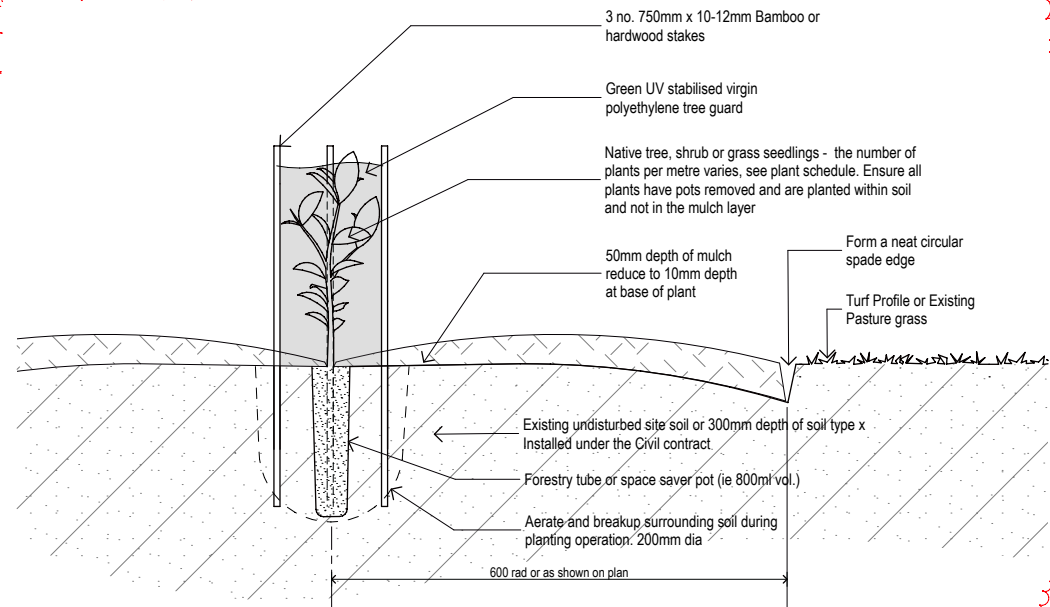
**General Planting Notes:**  
Tease / trim dense root matting at edge of container prior to backfilling. Remove any girdling or circling roots. Remove all nursery tags and stakes.  
All plants are to be watered no more than 3 hours prior to planting then remove plants from containers. Water in again thoroughly not more than 3 hours after planting.



**D** TYPICAL PLANTING DETAIL INTO MULCH AREA TUBES AND SMALL POTS Scale 1:5



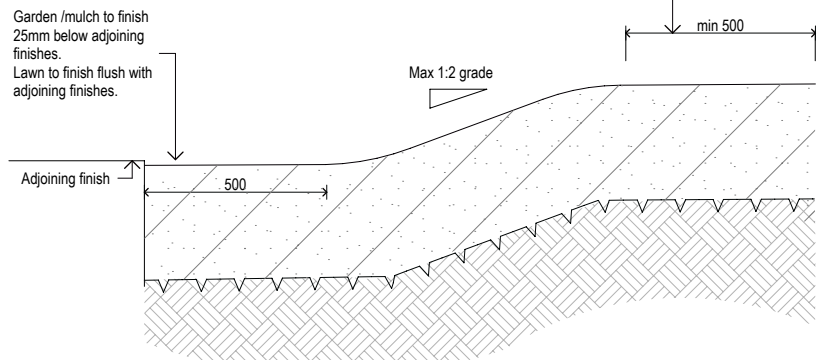
**E** TYPICAL PLANTING DETAIL IN GARDEN PROFILE (150mm-25L) Scale 1:10



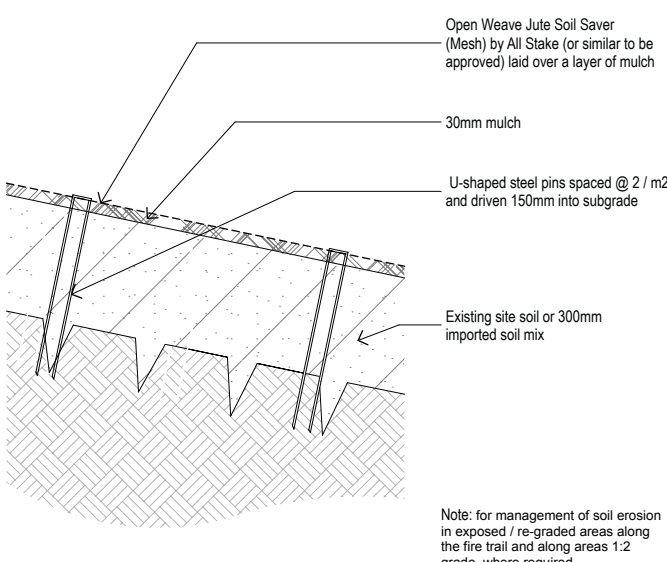
**F** TYPICAL PLANTING DETAIL IN TURF AREA TUBES AND SMALL POTS Scale 1:5

Note: Where grades are steeper than 1:3 install erosion protection netting.

Erosion control netting (supplier All Stakes): Loosely-twisted jute fibre 5mm thick, woven to form an open weave mesh nom. aperture 13x20. Install over the surface of the soil and fix with 450mm long pegs @1m cts. Place mulch over the netting.



**H** TYPICAL EMBANKMENT GRADING Scale 1:20



**I** EROSION CONTROL Scale 1:10

**CONSTRUCTION CERTIFICATE**  
Certificate No. : 20130299C40  
Date of Issue : 10 November 2017  
Issuing Officer : [Signature]  
Accreditation No. : BPB0565  
These plans/specifications form part of the certificate issued 10 November 2017

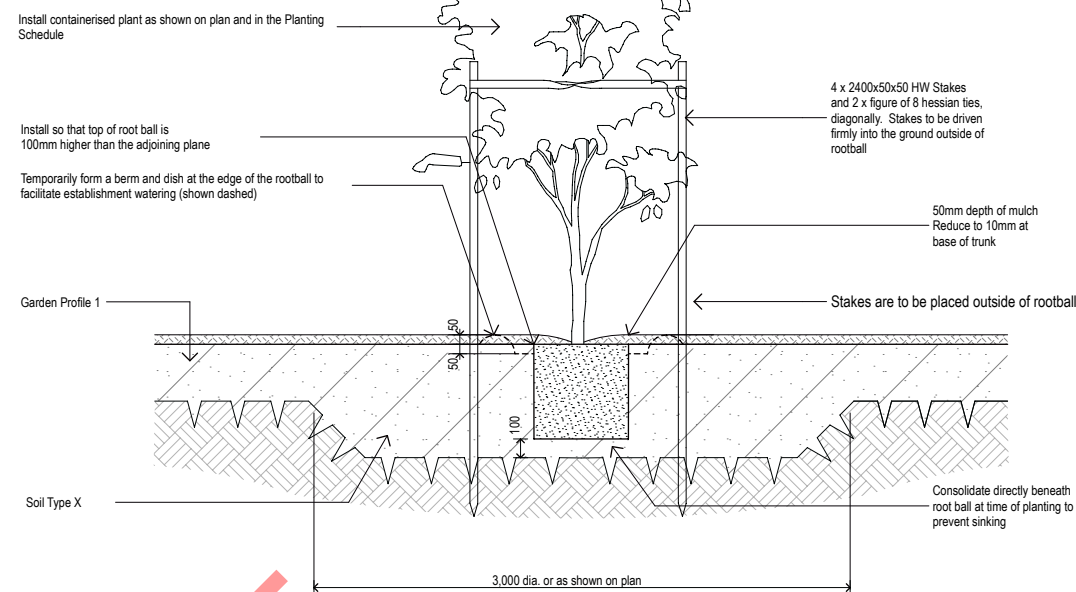
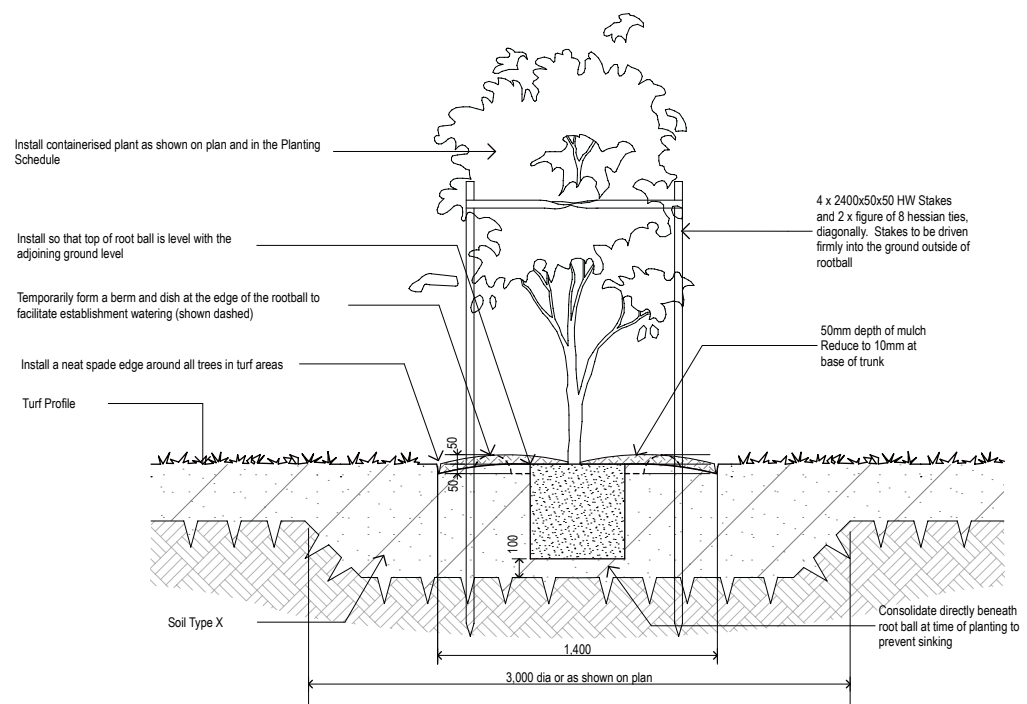
REVISION	DESCRIPTION	CHKD	DATE
G	Changes clouded	DSO	30/10/17
F	Detail amended. Issue for CC	RWS	04/08/17
E	Detail added. Issue for CC	DSO	20/07/17
D	Revised for Council Approval	DSO	16/12/16
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**  
NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Typical Section Details**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

**LANDSCAPE**  
DRAWING NUMBER : L-CD-L400  
REVISION : G





**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.

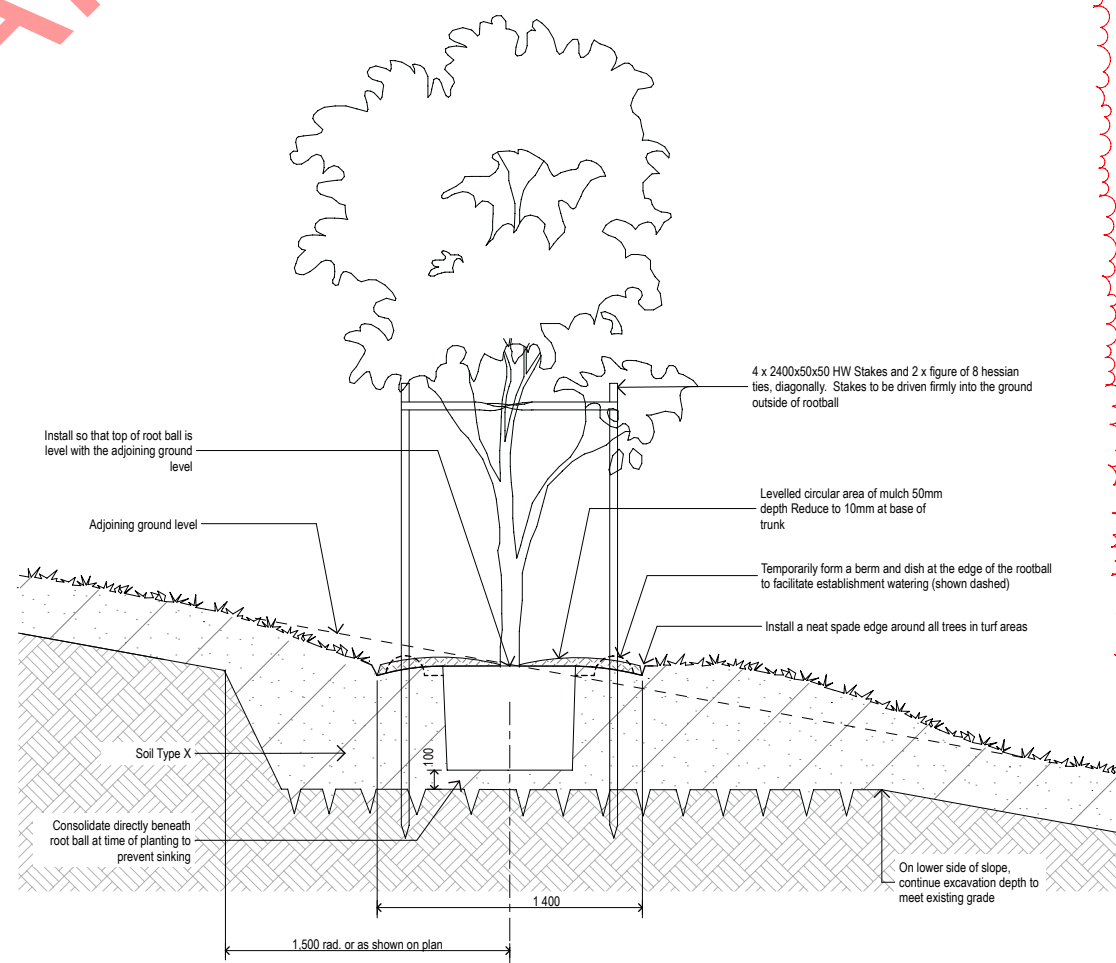
**A** TYPICAL TREE PLANTING DETAIL  
 IN TURF PROFILE

Scale 1:20

**B** TYPICAL TREE PLANTING DETAIL  
 IN GARDEN PROFILE 1

Scale 1:20

DRAFT



**D** TYPICAL TREE PLANTING DETAIL  
 ON A SLOPE

Scale 1:20

**CONSTRUCTION CERTIFICATE**

Certificate No. : 20130299C.40  
 Date of Issue : 10 November 2017  
 Issuing Officer : *[Signature]*  
 Accreditation No. : BPB0565

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

REVISION	DESCRIPTION	CHKD	DATE
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
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

**PROJECT & CLIENT**

Redbank  
 DA12 - Belmont Precinct

**DRAWING TITLE**

Typical Section Details

Project No : 16.09  
 Designed : arterra  
 Drawn : arterra  
 Scale : AS@A1

**LANDSCAPE**

DRAWING NUMBER : L-CD-L401  
 REVISION : G

NOTE: Pavement type 2 will have the same finish as pavement type 1. Pavement type 2 (vehicular pavement) is documented by J. Wyndham Prince

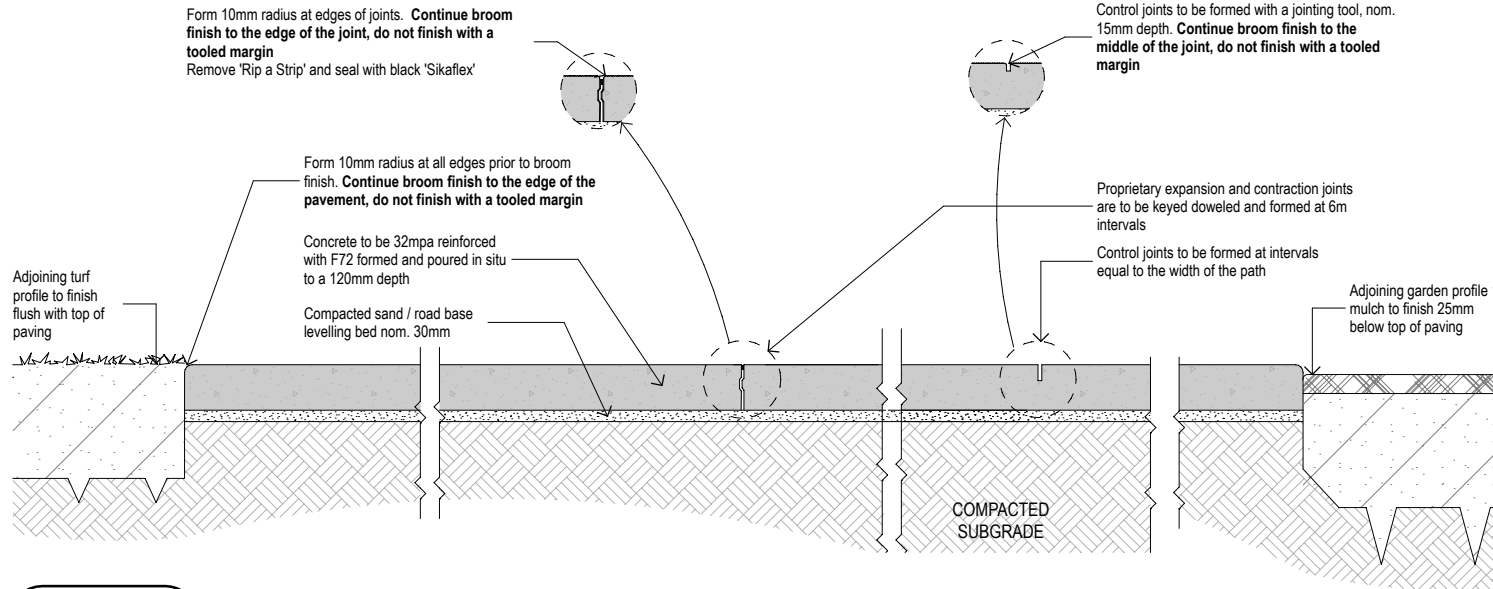
**CONSTRUCTION CERTIFICATE**

Certificate No. .20130299C40  
 Date of Issue .10 November 2017  
 Issuing Officer *[Signature]*  
 Accreditation No. BPB0565

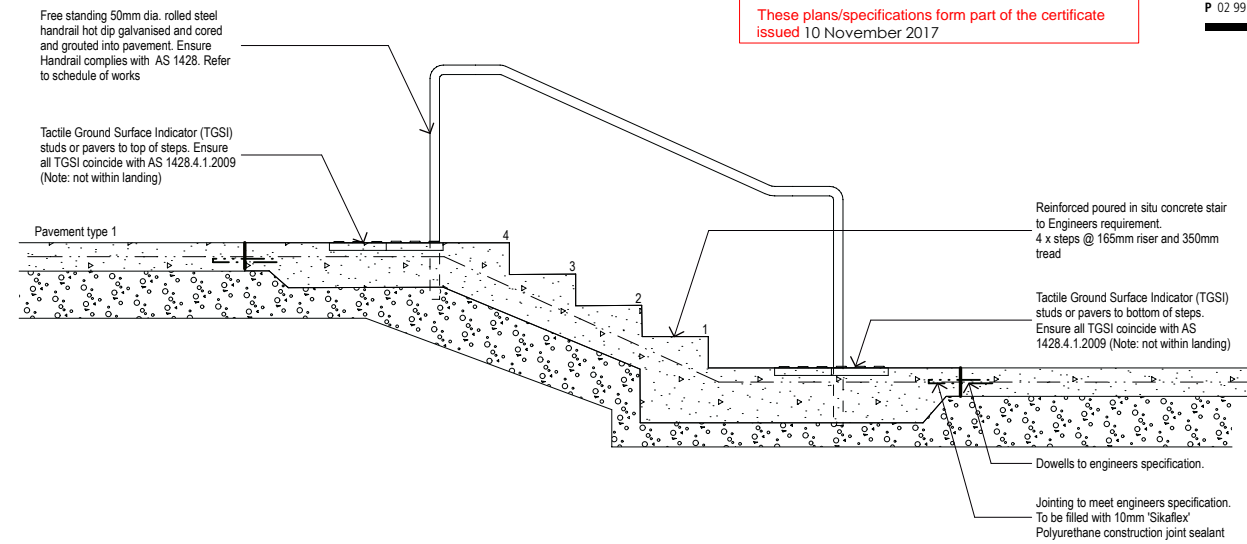
These plans/specifications form part of the certificate issued 10 November 2017



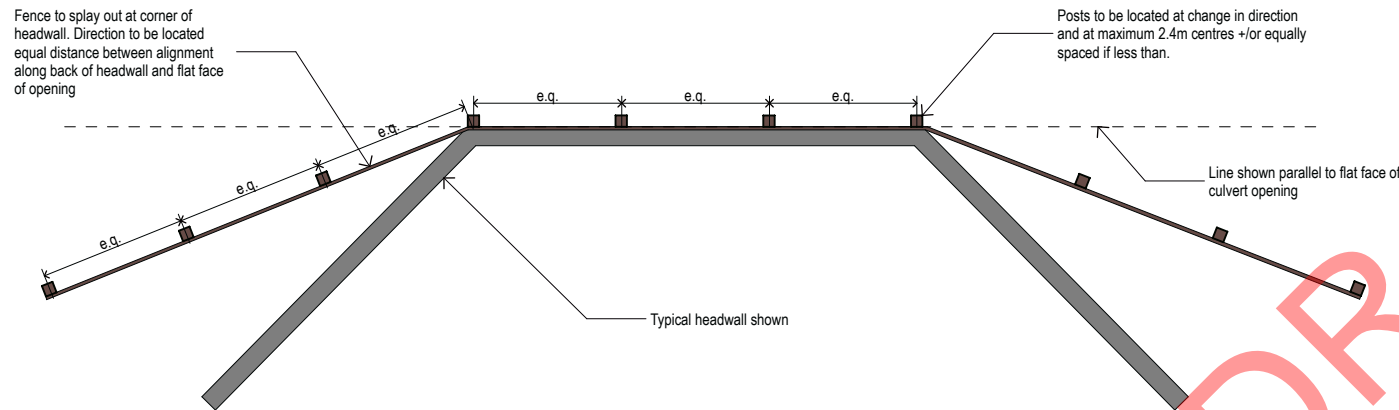
ARTERRA DESIGN PTY LTD ABN 40 069 552 610  
 SUITE 602 / 51 RAWSON STREET, EPPING, NSW 2121  
 P 02 9957 2466 F 02 9957 3977 W ARTERRA.COM.AU



**A** PEDESTRIAN CONCRETE PAVEMENT PAVEMENT TYPE 1 Scale 1:10



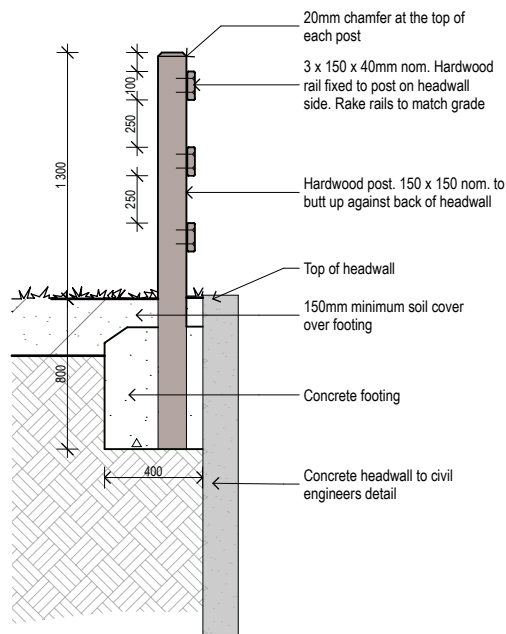
**B** TYPICAL STAIR DETAIL SECTION Scale 1:20



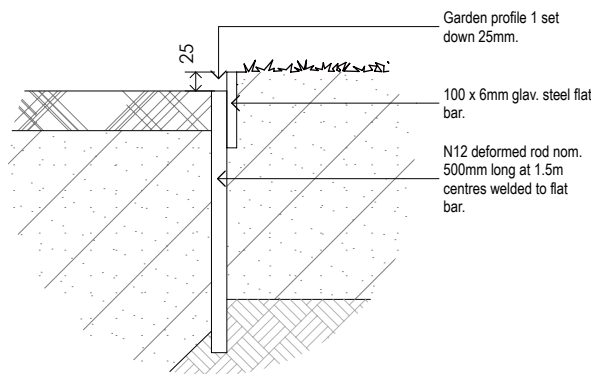
**C** FENCE TYPE 1 TO TOP OF HEADWALL GENERAL ARRANGEMENT PLAN Scale 1:50



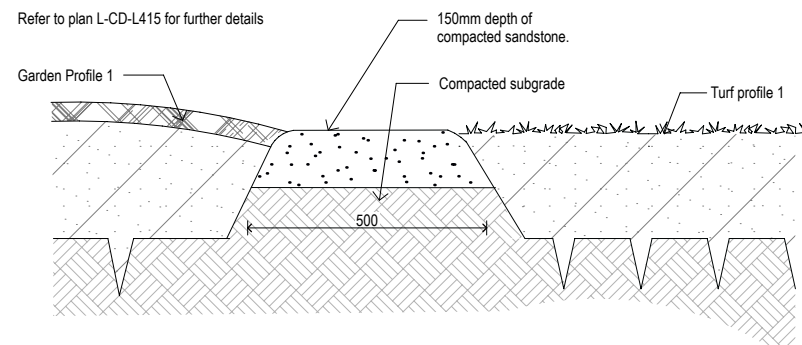
**D** TYPICAL STAIR ARRANGEMENT PLAN Scale 1:50



**E** FENCE TYPE 1 TOP OF HEADWALL Scale 1:20



**F** STEEL EDGE EDGE TYPE 1 Scale 1:5



**G** CRUSHED SANDSTONE EDGE TYPE 2 Scale 1:5

REVISION	DESCRIPTION	CHKD	DATE
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
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE

DRAWING TITLE  
**Typical Section Details**

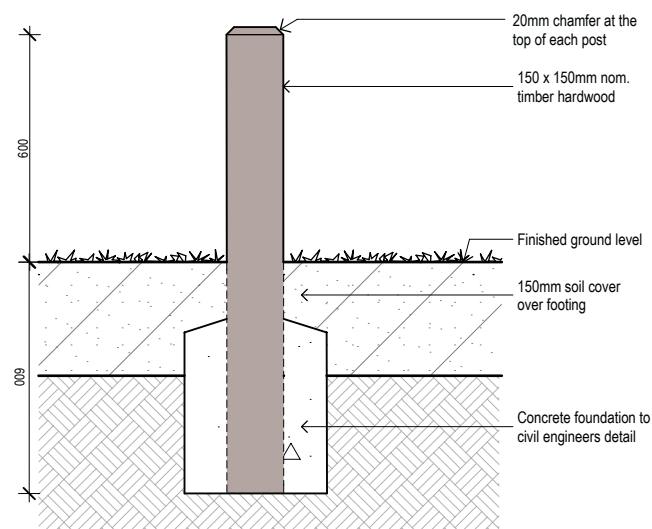
Project No : 16.09  
 Designed : arterra  
 Drawn : arterra  
 Scale : AS@A1

DRAWING NUMBER  
**L-CD-L402**

REVISION  
**G**

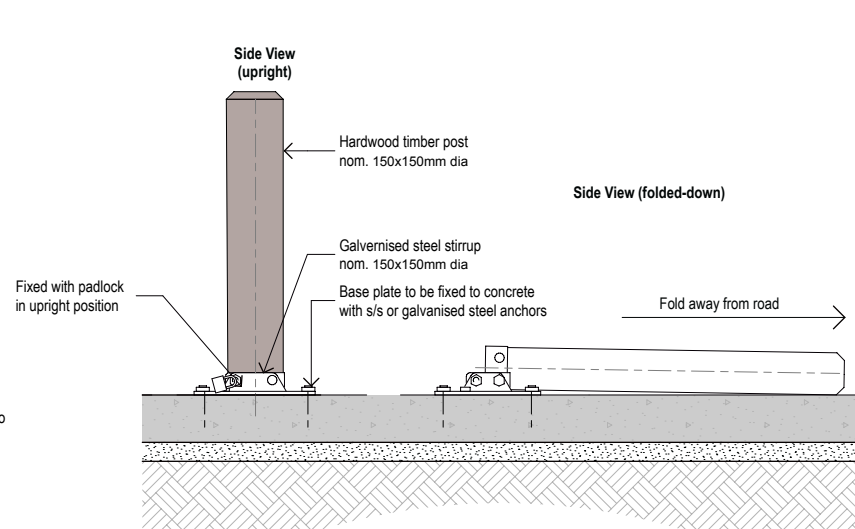
LANDSCAPE





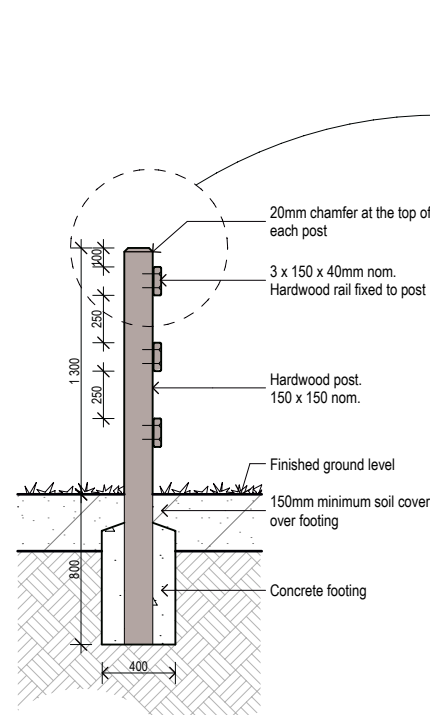
**A** BOLLARD TYPE 1

Scale 1:10



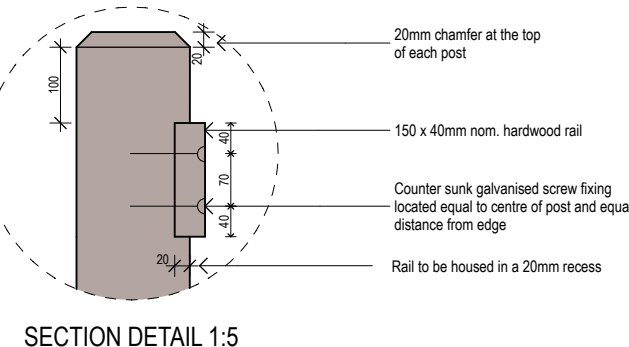
**B** BOLLARD TYPE 2

Scale 1:10



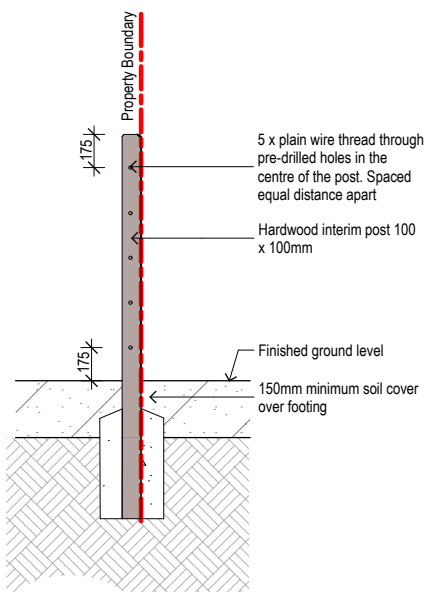
**C** POST & 3 RAIL SECTION  
FENCE TYPE 1

Scale 1:20



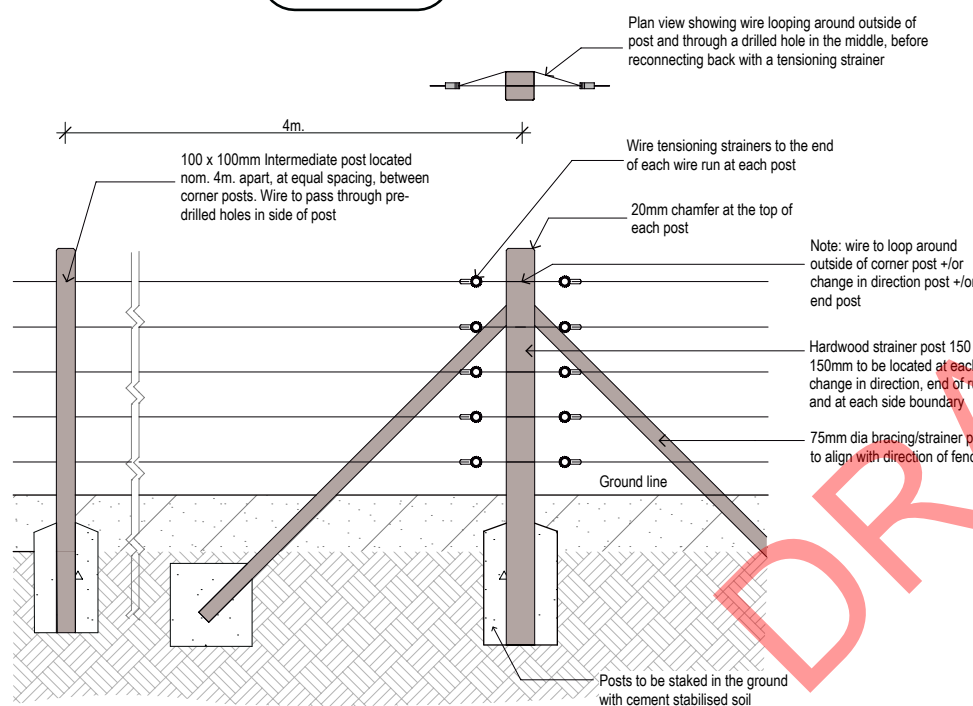
**D** POST & 3 RAIL ELEVATION  
FENCE TYPE 1

Scale 1:20



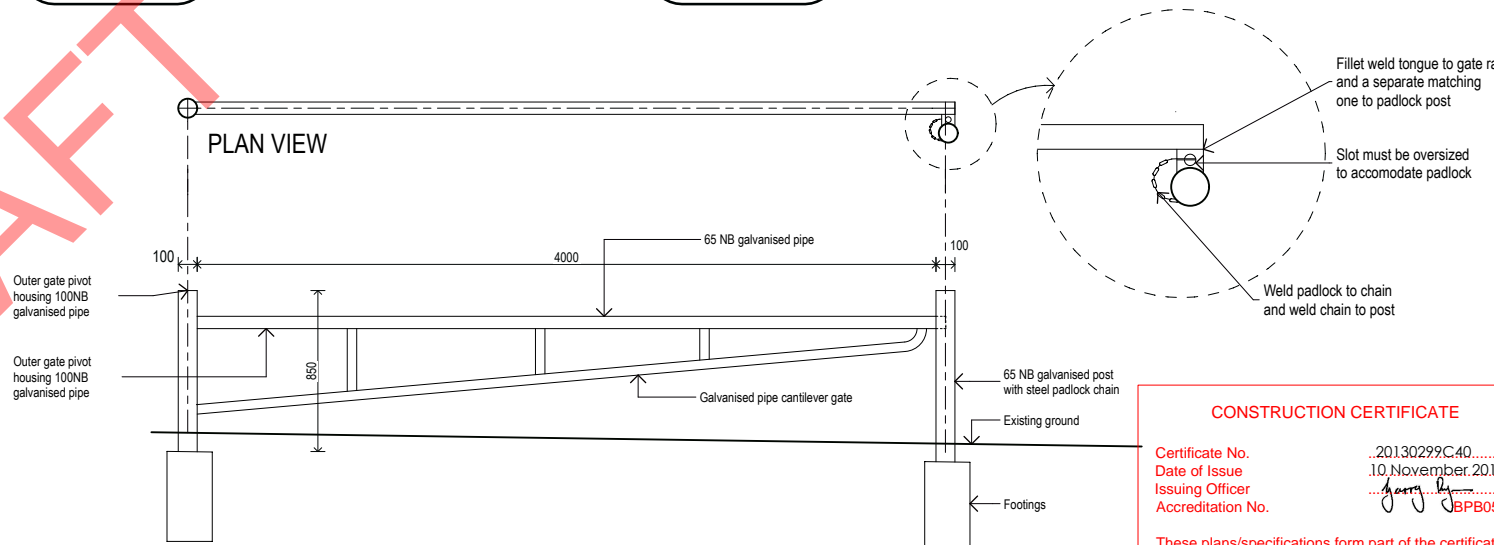
**E** POST & PLAIN WIRE  
FENCE TYPE 2

Scale 1:10



**F** POST & PLAIN WIRE  
FENCE TYPE 2

Scale 1:20



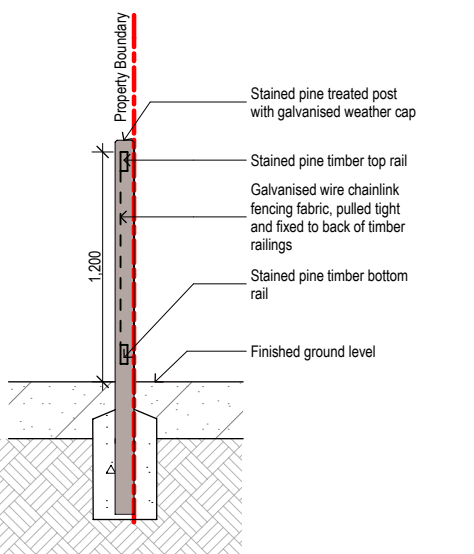
**G** GATE TYPE 1 - MAINTENANCE ACCESS GATE  
HAWKESBURY CITY COUNCIL STANDARD DETAIL

Scale 1:20

**CONSTRUCTION CERTIFICATE**

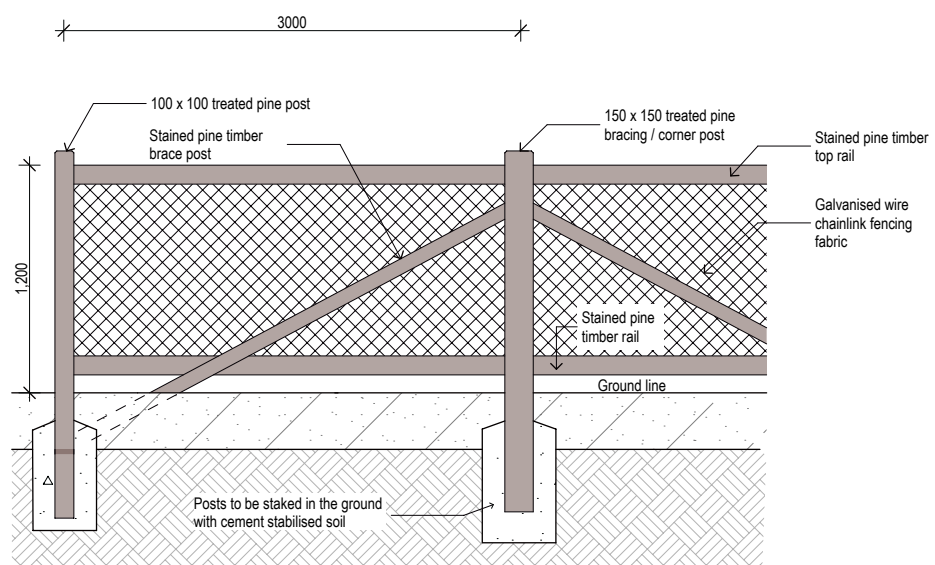
Certificate No. : 20130299C.40  
Date of Issue : 10 November 2017  
Issuing Officer : *Jerry By...*  
Accreditation No. : BPB0565

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



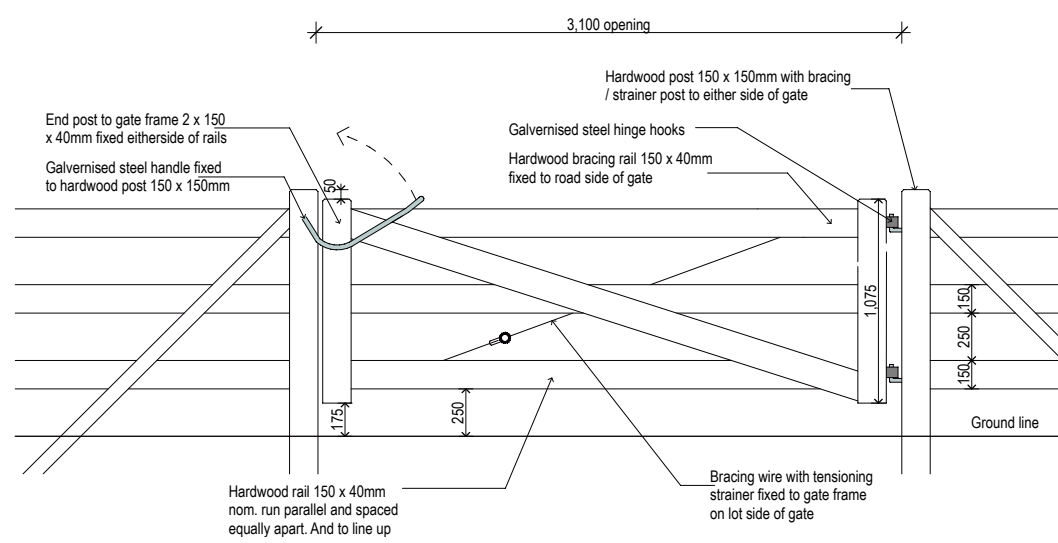
**H** POST & CHAINLINK MESH  
FENCE TYPE 3

Scale 1:10



**I** POST & CHAINLINK MESH  
FENCE TYPE 3

Scale 1:20



**J** GATE TYPE 2 - POST & 3 RAIL ELEVATION

Scale 1:20

REVISION	DESCRIPTION	CHKD	DATE
E	Fence type 3 issue for CC	DSO	31/07/17
D	For CC	DSO	20/07/17
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

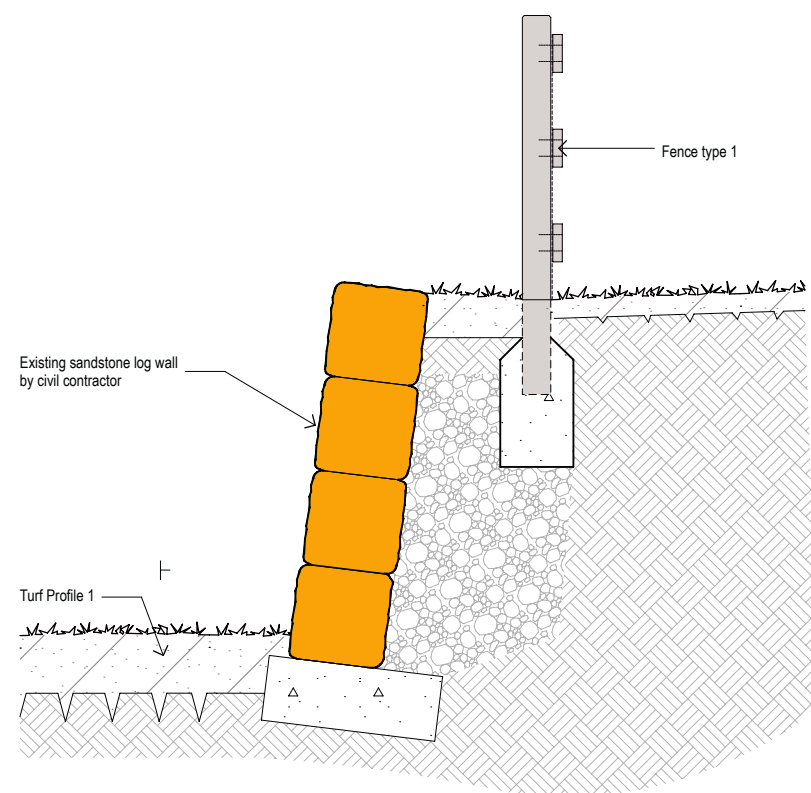
PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Typical Section Details**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

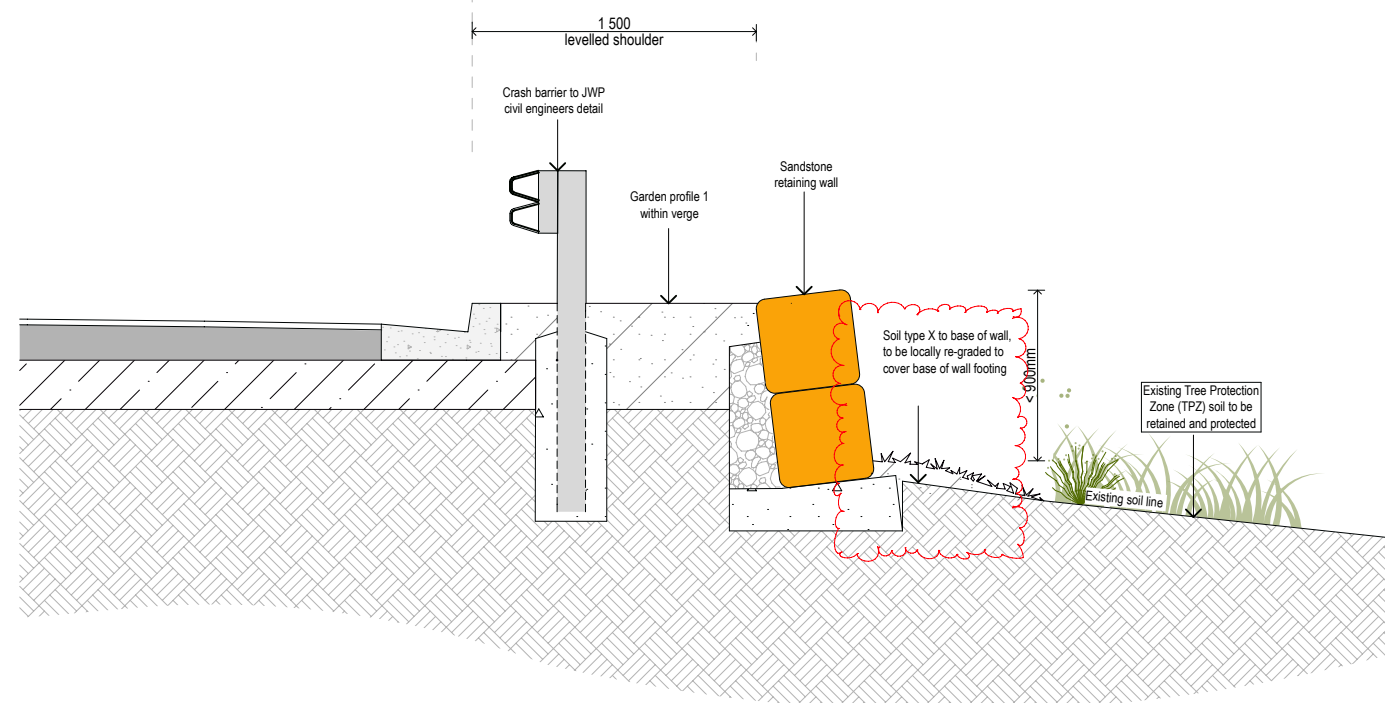
LANDSCAPE  
DRAWING NUMBER  
**L-CD-L403**

REVISION  
**E**



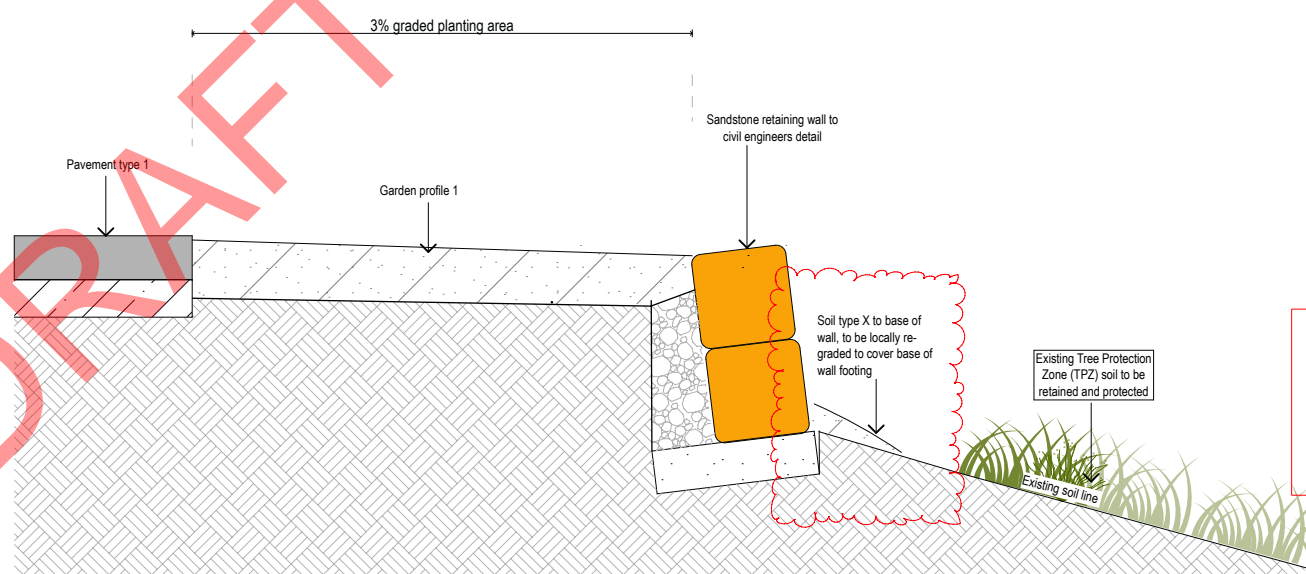
**A** TYPICAL SECTION  
FENCE & SANDSTONE LOG RETAINING WALL

Scale 1:20



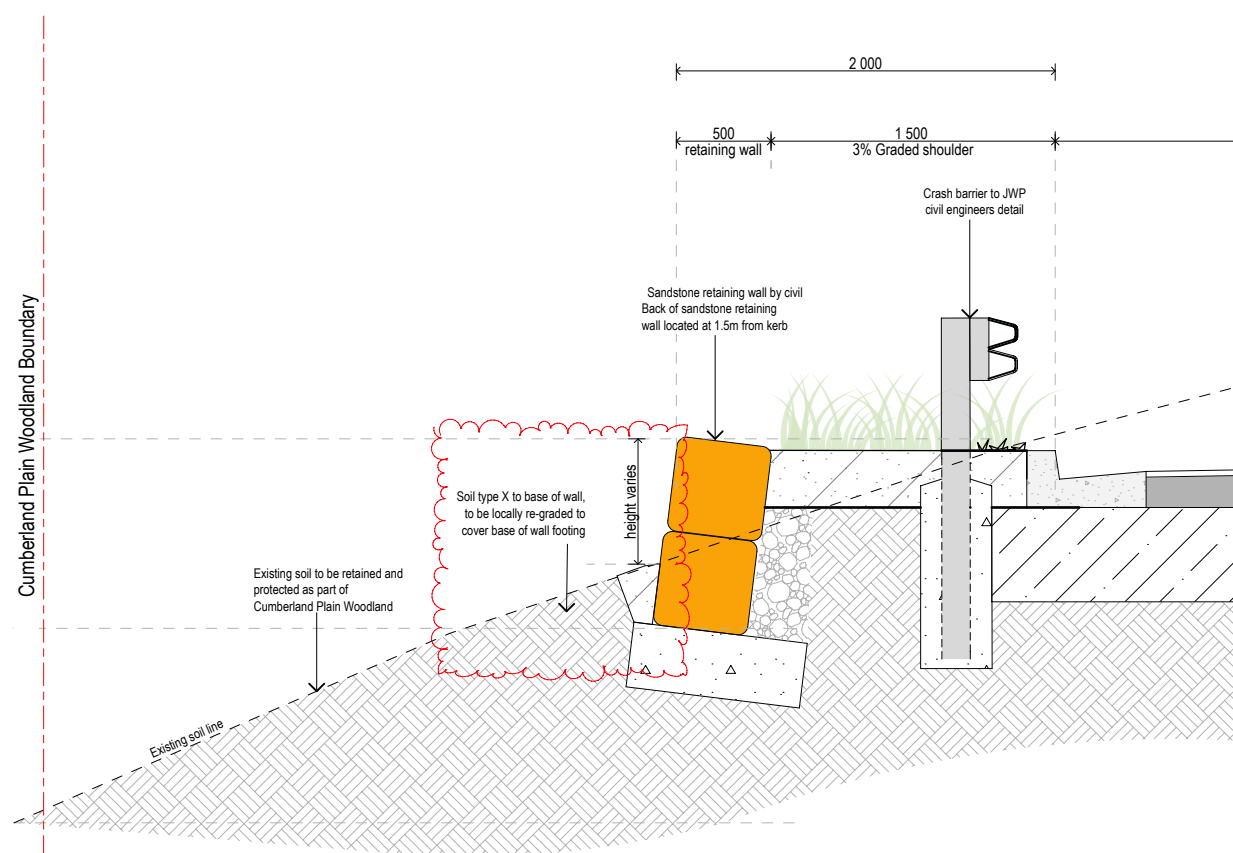
**C** TREE PROTECTION WALL & CRASH BARRIER  
TYPICAL SECTION

Scale 1:20



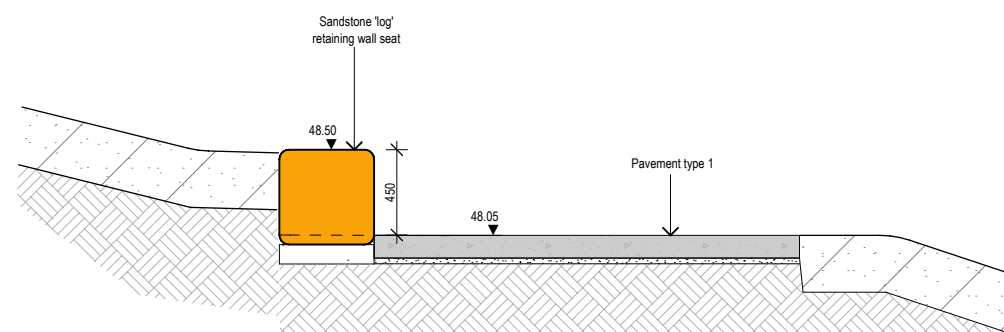
**D** TREE PROTECTION WALL & PLANTING  
TYPICAL SECTION

Scale 1:20



**B** ENTRY ROAD VERGE & SANDSTONE LOG RETAINING WALL  
TYPICAL SECTION

Scale 1:20



**E** SANDSTONE LOG RETAINING WALL 'SEAT' WITH MAINTENANCE PATH & PLANTING  
TYPICAL SECTION

Scale 1:20

**CONSTRUCTION CERTIFICATE**

Certificate No. : 20130299C40  
Date of Issue : 10 November 2017  
Issuing Officer : *Joery By*  
Accreditation No. : BPB0565

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

REVISION	DESCRIPTION	CHKD	DATE
F	Changes clouded	DSO	30/10/17
E	For CC	DSO	20/07/17
D	Revised for Council Approval	DSO	16/12/16
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT

Redbank  
DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

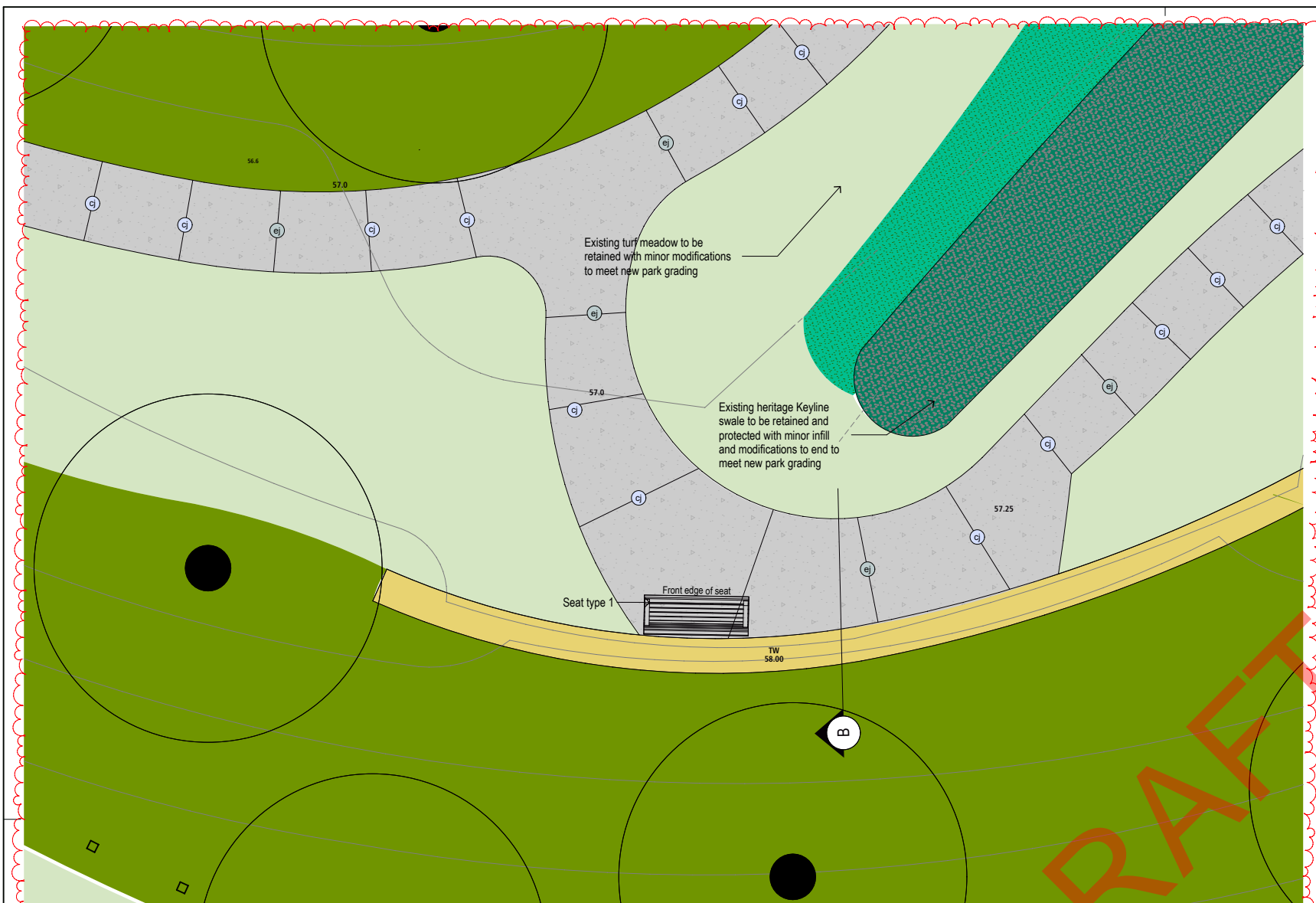
DRAWING TITLE  
Typical Section Details - Walls

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

LANDSCAPE

DRAWING NUMBER : L-CD-L404  
REVISION : F

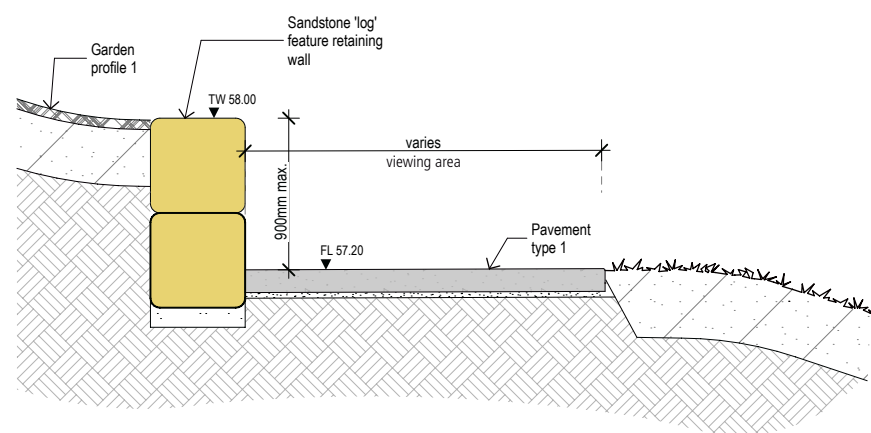




**A** VIEWING PLATFORM AREA 1  
PLAN GENERAL ARRANGEMENT

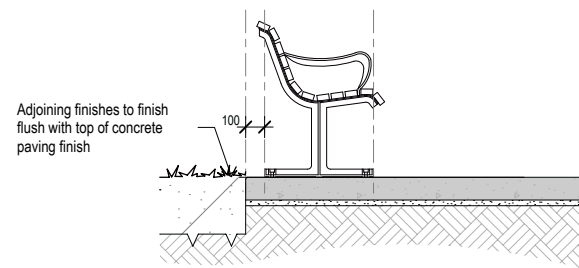
Scale 1:50

Locally reshape planting embankment to create a level area for bench seating



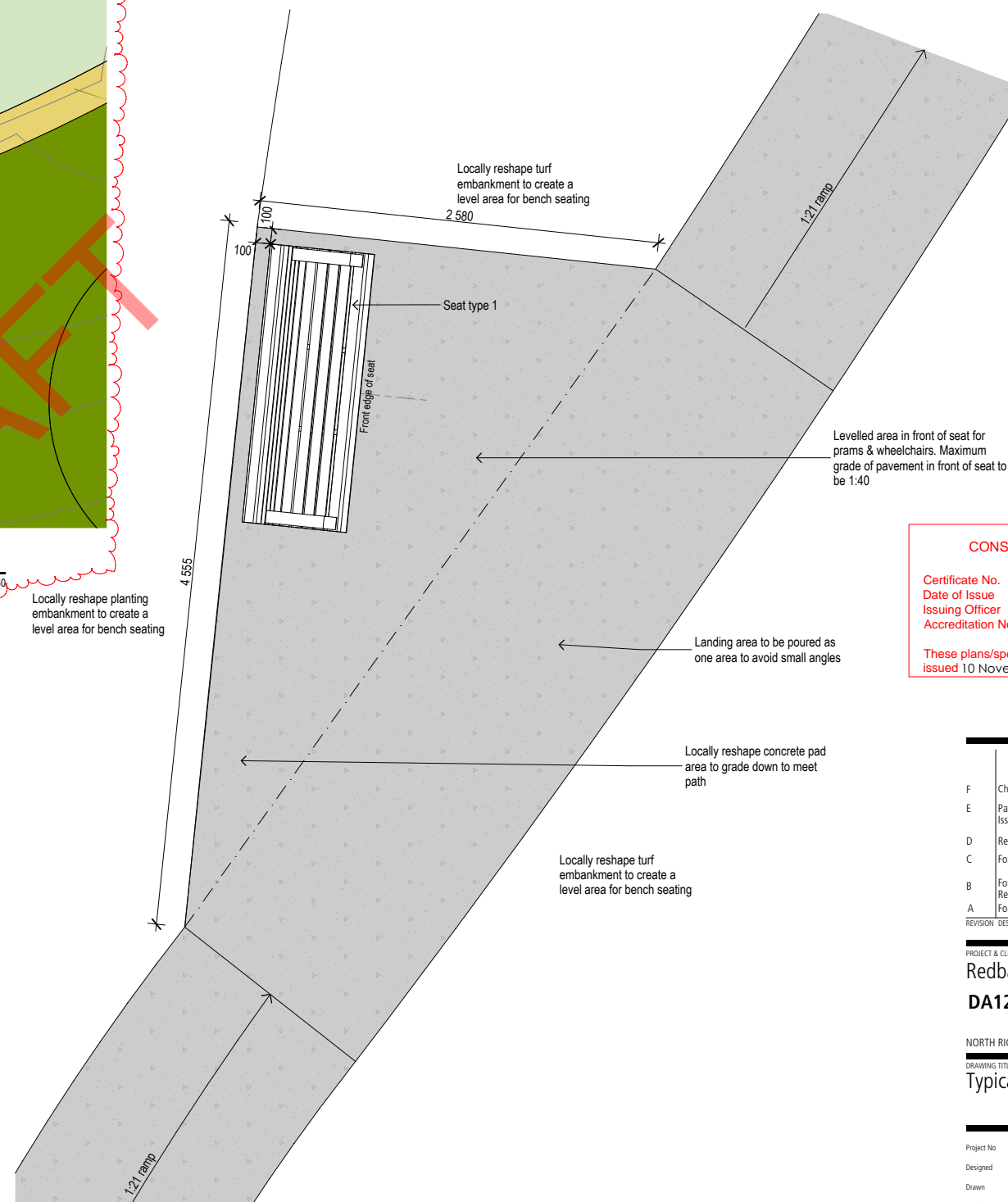
**B** SANDSTONE LOG FEATURE RETAINING WALL  
SECTION

Scale 1:20



**C** TYPICAL SEAT TYPE 1  
SECTION GENERAL ARRANGEMENT

Scale 1:20



**D** VIEWING PLATFORM AREA 2  
PLAN GENERAL ARRANGEMENT

Scale 1:20

**CONSTRUCTION CERTIFICATE**

Certificate No. : 20130299C40  
Date of Issue : 10 November 2017  
Issuing Officer : *Joery H.*  
Accreditation No. : BPB0565

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

REVISION	DESCRIPTION	CHKD	DATE
F	Changes clouded	DSO	30/10/17
E	Path and seating areas revised. Issue for CC	DSO	20/07/17
D	Revised for Council Approval	DSO	16/12/16
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Typical Section Details**

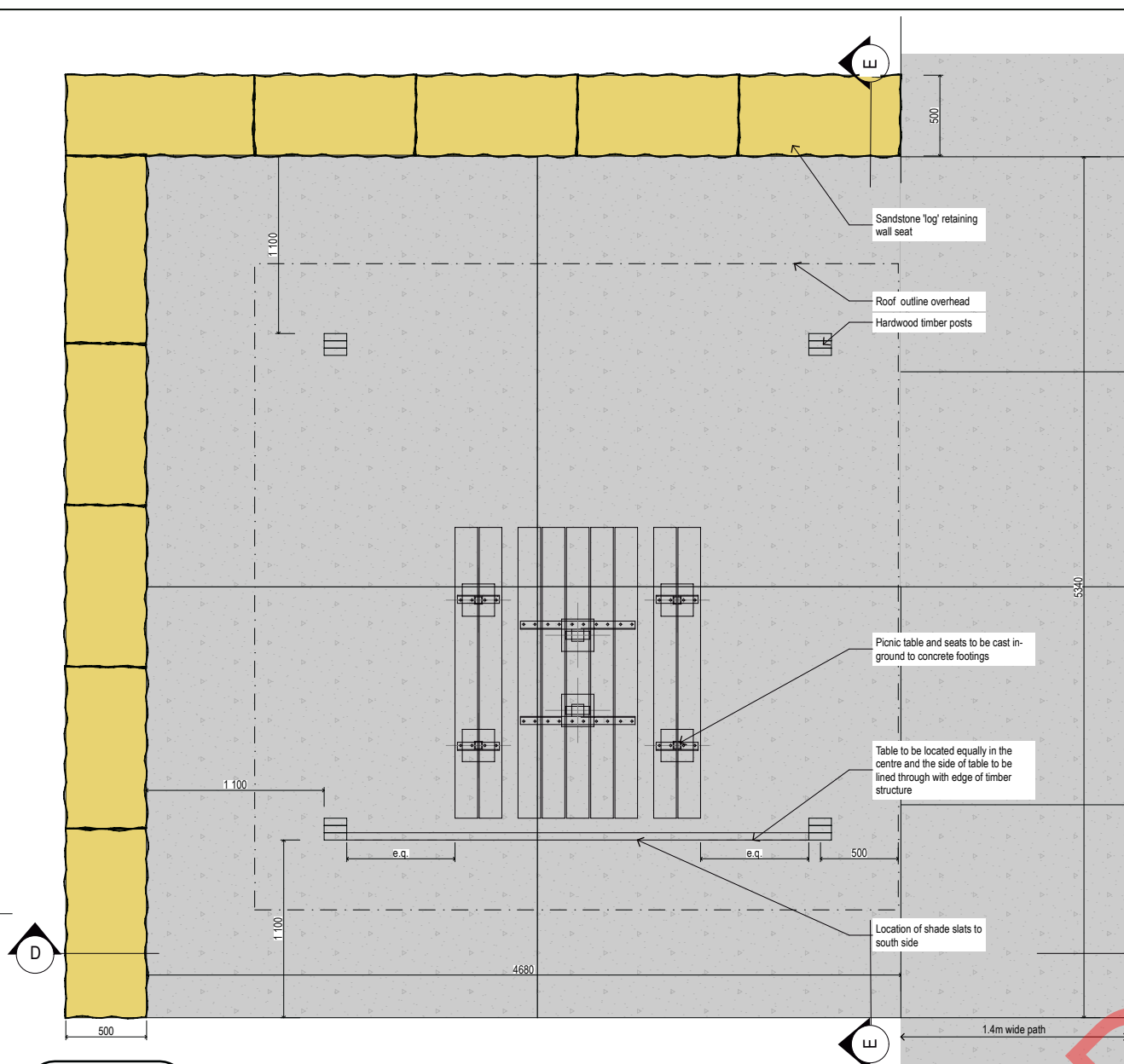
Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

**LANDSCAPE**  
DRAWING NUMBER : L-CD-L405  
REVISION : F

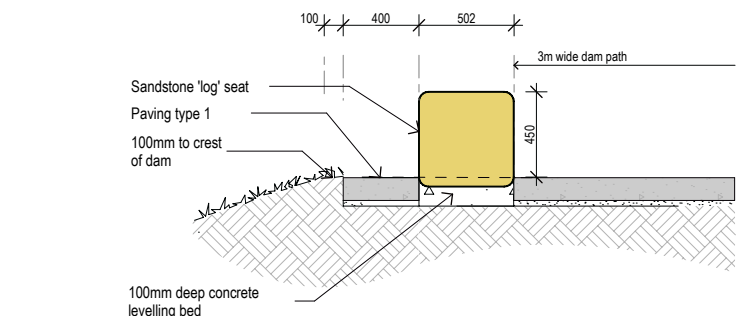
**CONSTRUCTION CERTIFICATE**

Certificate No. .20130299C40.....  
 Date of Issue 10 November 2017.....  
 Issuing Officer *[Signature]*  
 Accreditation No. BPB0565

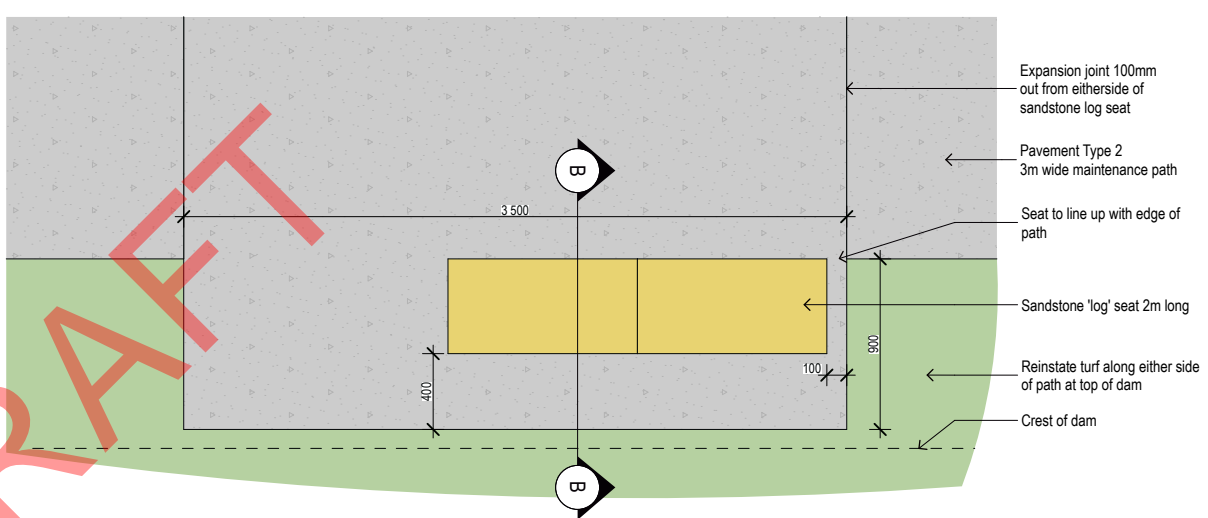
These plans/specifications form part of the certificate issued 10 November 2017



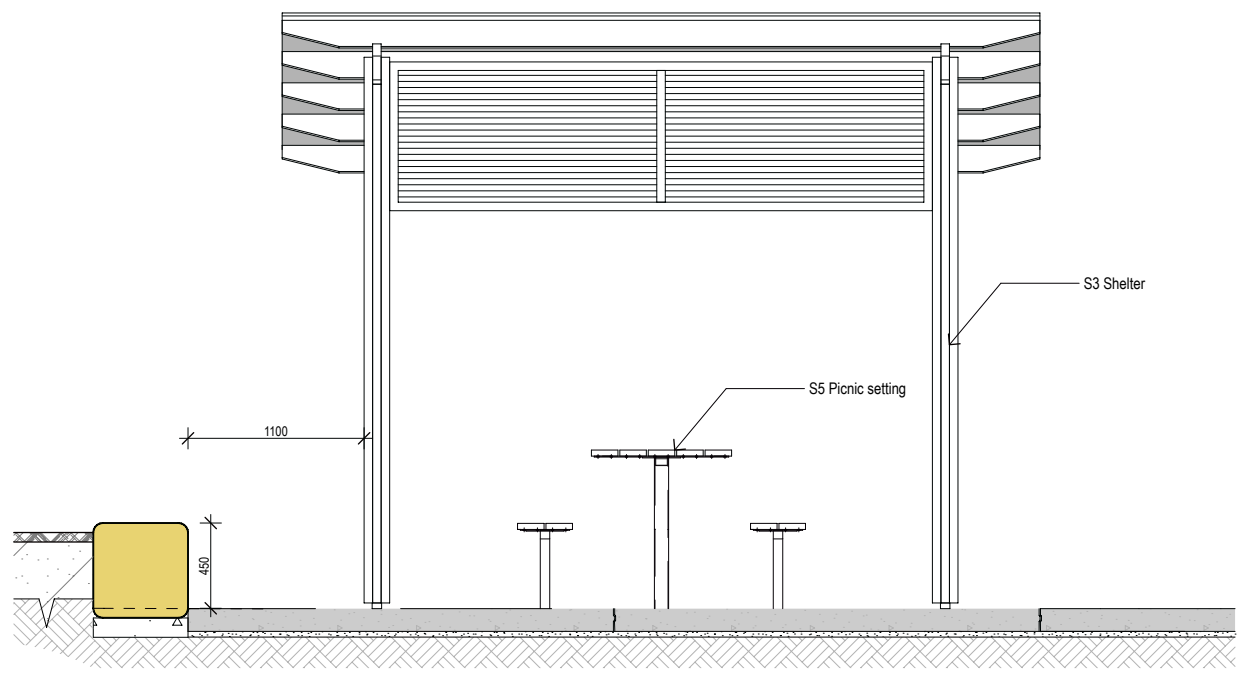
**A** PLAN ARRANGMENT  
 SHELTER, PICNIC SETTING & SANDSTONE LOG LOW RETAINING WALL / SEAT  
 Scale 1:20



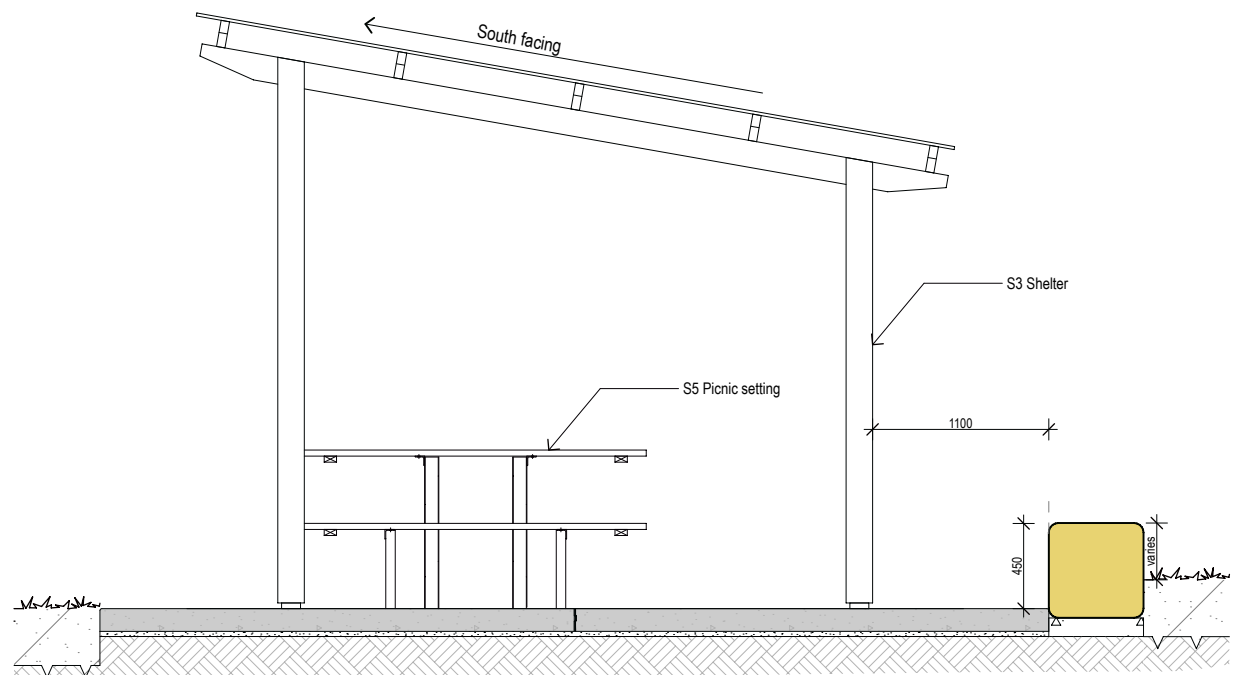
**B** SEAT 2 SANDSTONE LOG (S2)  
 SECTION  
 Scale 1:20



**C** SEAT 2 SANDSTONE LOG ON DAM WALL  
 PLAN  
 Scale 1:20



**D** ELEVATION  
 SHELTER, PICNIC SETTING & SANDSTONE LOG LOW RETAINING WALL / SEAT  
 Scale 1:20



**E** FRONT ELEVATION  
 SHELTER, PICNIC SETTING & SANDSTONE LOG LOW RETAINING WALL / SEAT  
 Scale 1:20

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

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**  
 NORTH RICHMOND JOINT VENTURE  
 DRAWING TITLE  
**Typical Section Details - Furniture (Shelter & Seat 2)**

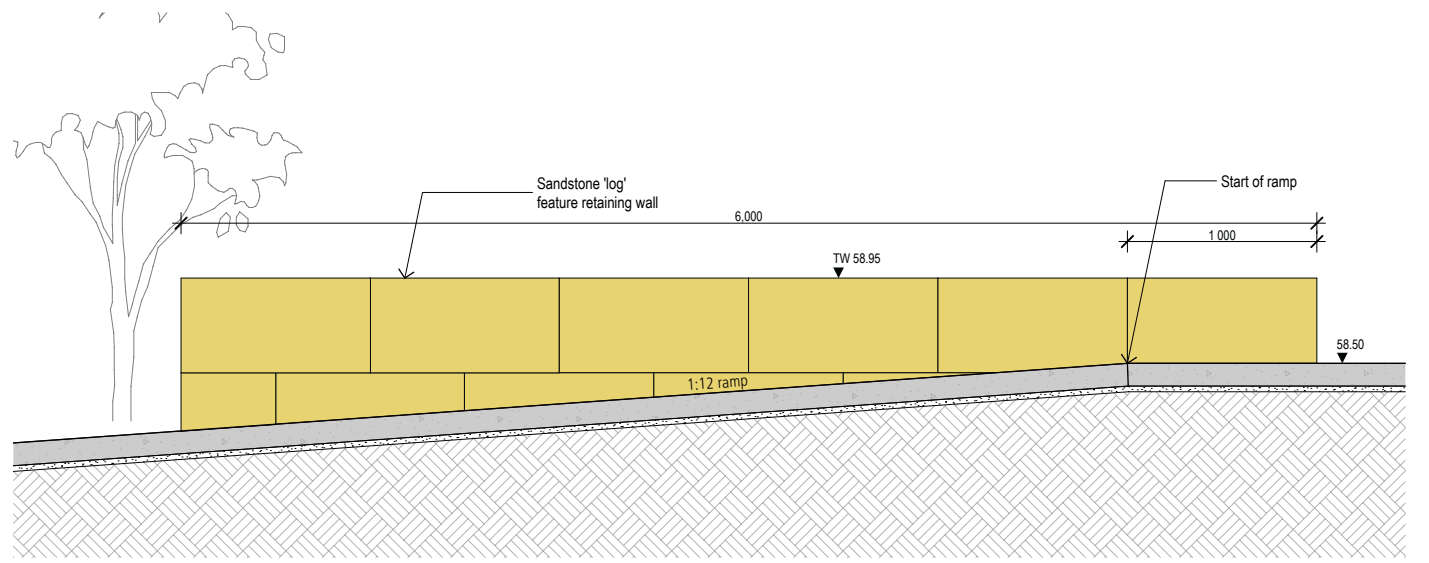
Project No : 16.09  
 Designed : arterra  
 Drawn : arterra  
 Scale : AS@A1

**LANDSCAPE**  
 DRAWING NUMBER  
**L-CD-L406**  
 REVISION  
**E**

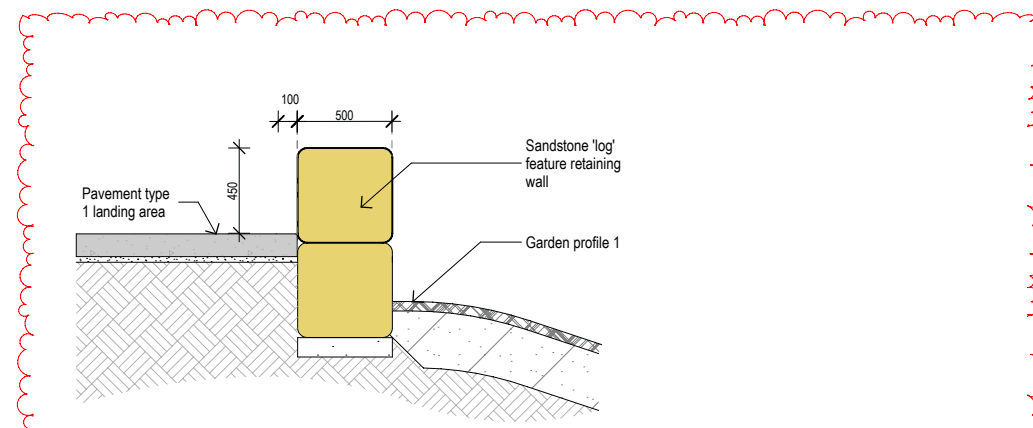




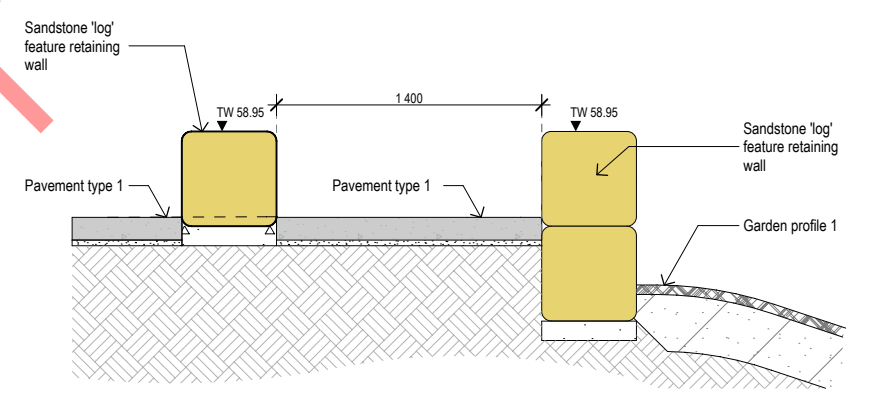
**A** PARK ENTRANCE 1  
PLAN  
Scale 1:50



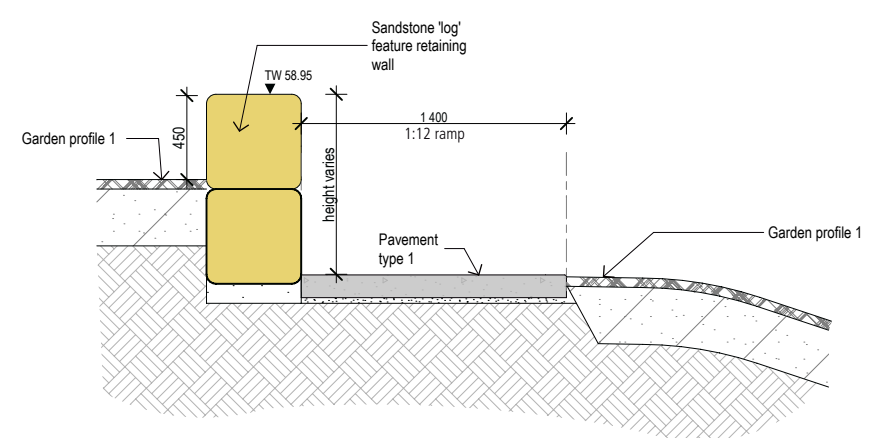
**B** SANDSTONE LOG FEATURE RETAINING WALL  
ELEVATION  
Scale 1:20



**C** SEAT 2 SANDSTONE LOG FEATURE RETAINING WALL  
SECTION  
Scale 1:20



**D** SEAT 2 SANDSTONE LOG SEAT & FEATURE RETAINING WALL  
SECTION  
Scale 1:20



**E** SANDSTONE LOG FEATURE RETAINING WALL  
SECTION  
Scale 1:20

**CONSTRUCTION CERTIFICATE**

Certificate No. 20130299C40  
Date of Issue 10 November 2017  
Issuing Officer [Signature]  
Accreditation No. BPP0565

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

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

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

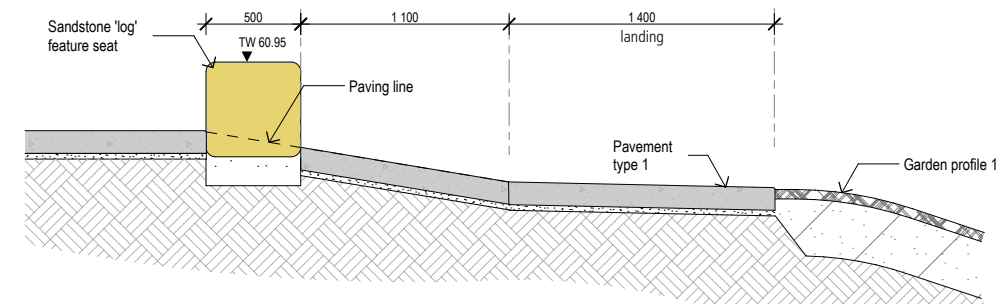
NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Park Entry Arrangement 1**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

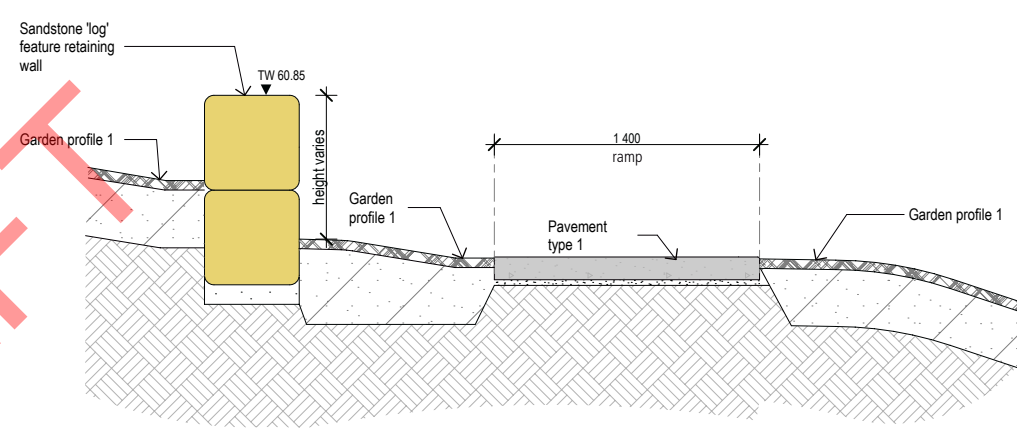
**LANDSCAPE**  
DRAWING NUMBER  
**L-CD-L407**



**A** PARK ENTRANCE 2  
PLAN

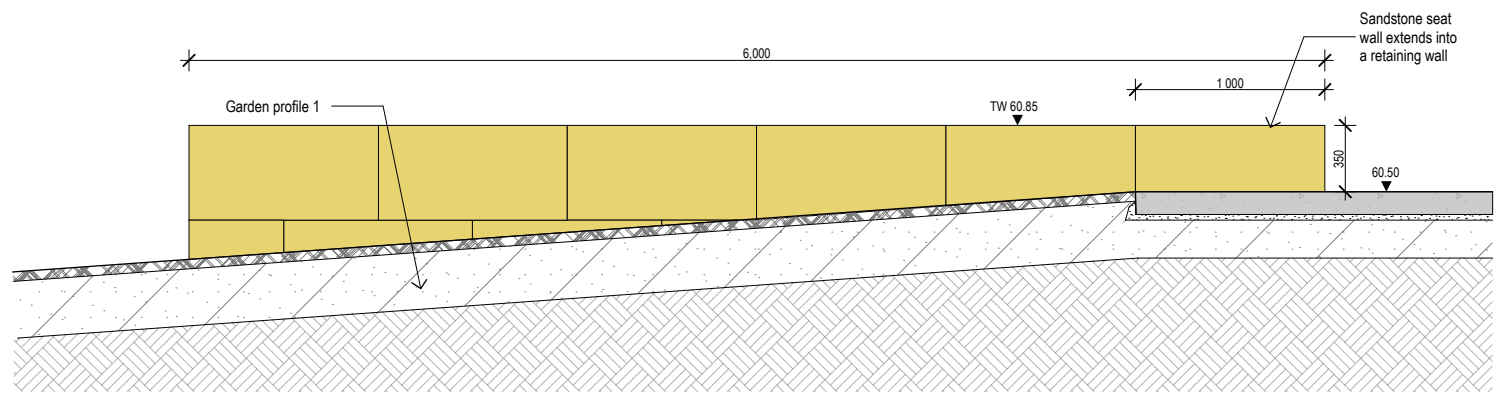


**C** SANDSTONE LOG FEATURE WALL  
SECTION



**D** SANDSTONE LOG FEATURE RETAINING WALL  
SECTION

DRAFT



**B** SANDSTONE LOG FEATURE RETAINING WALL  
ELEVATION

**CONSTRUCTION CERTIFICATE**

Certificate No. : 20130299C40  
Date of Issue : 10 November 2017  
Issuing Officer : *[Signature]*  
Accreditation No. : BPB0565

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

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

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

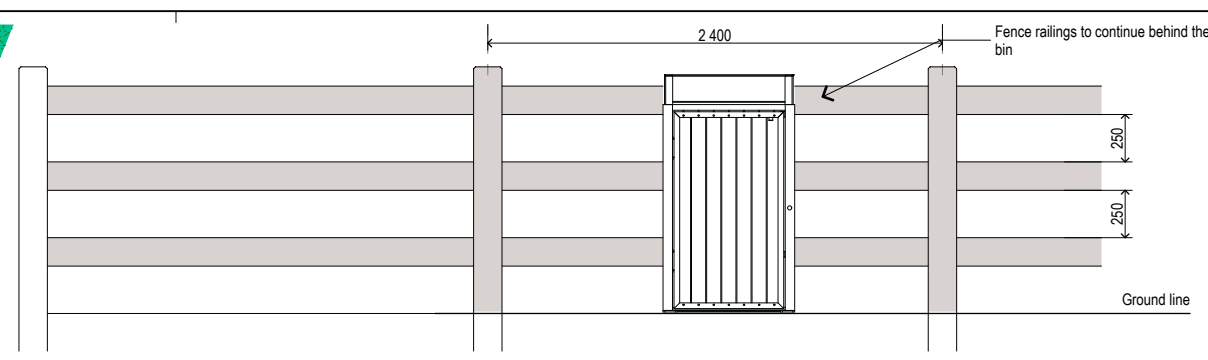
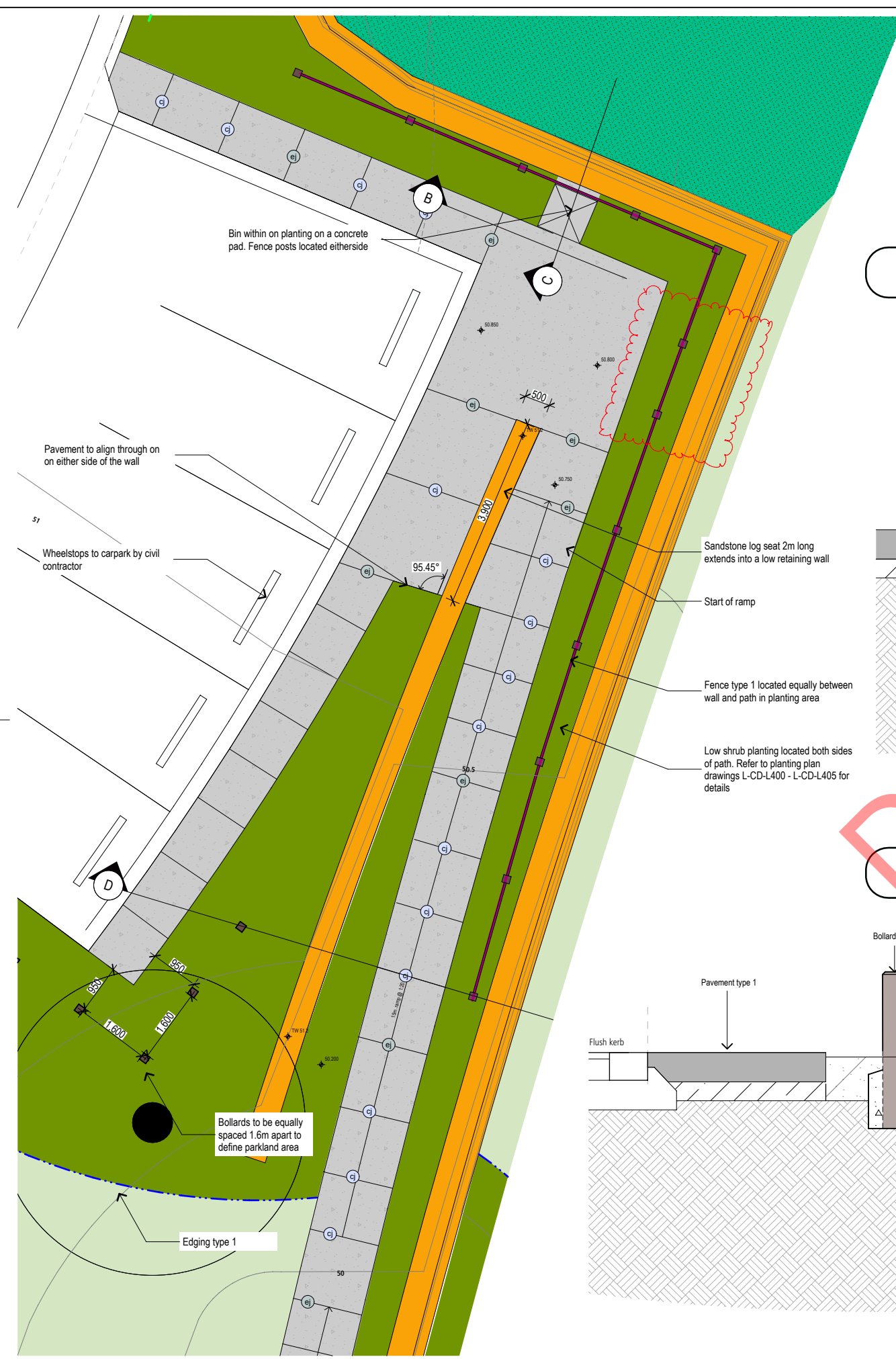
NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Park Entry Arrangement 2**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

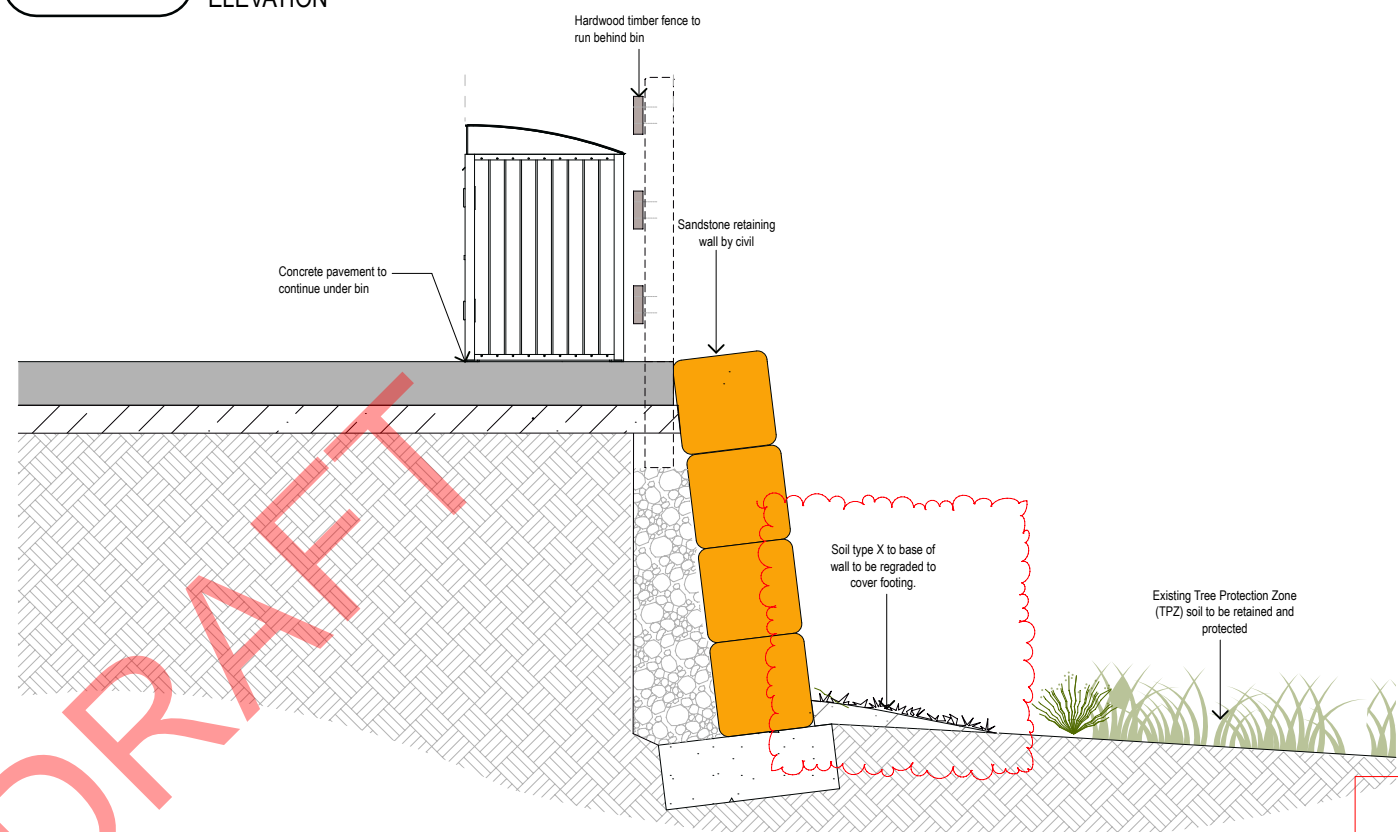
**LANDSCAPE**

DRAWING NUMBER : L-CD-L408  
REVISION : E

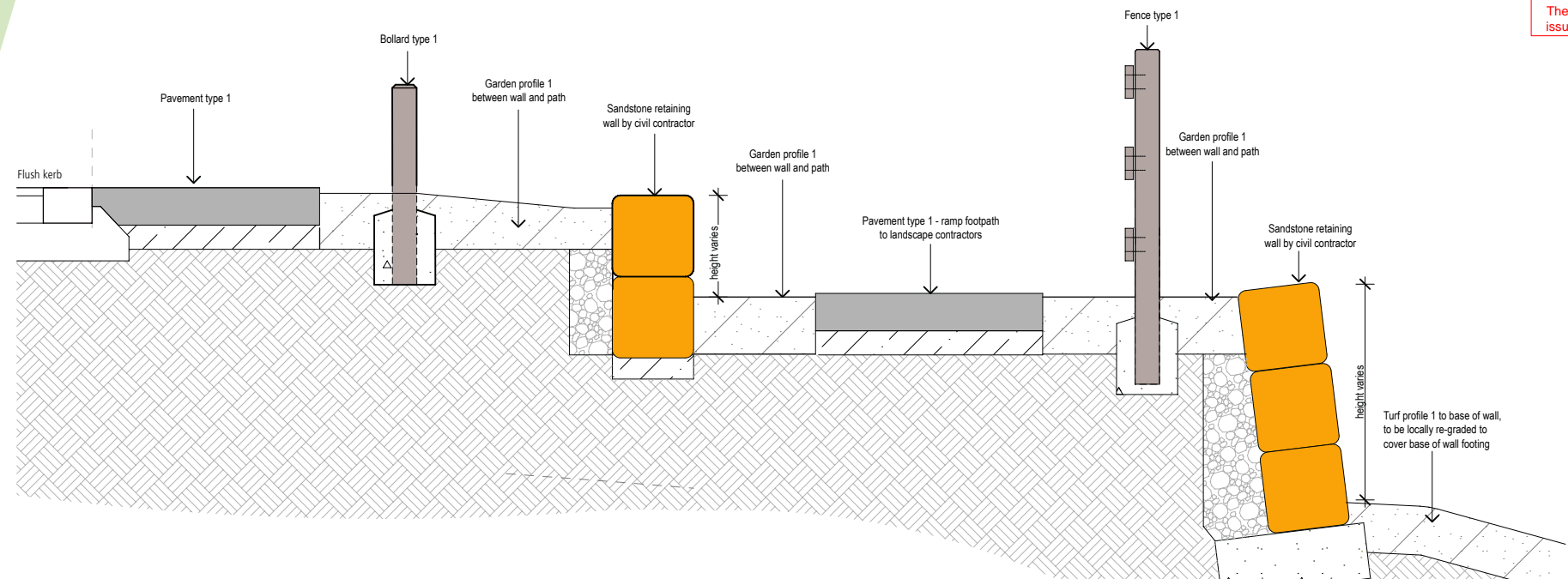




**B** BIN & FENCE ARRANGEMENT ELEVATION Scale 1:50



**C** BIN, FENCE & RETAINING WALL ARRANGEMENT SECTION Scale 1:50



**D** RAMP, RETAINING WALL ARRANGEMENT SECTION Scale 1:50

**A** CARPARK ENTRANCE FEATURE WALLS & RAMP PLAN Scale 1:50

**CONSTRUCTION CERTIFICATE**

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

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

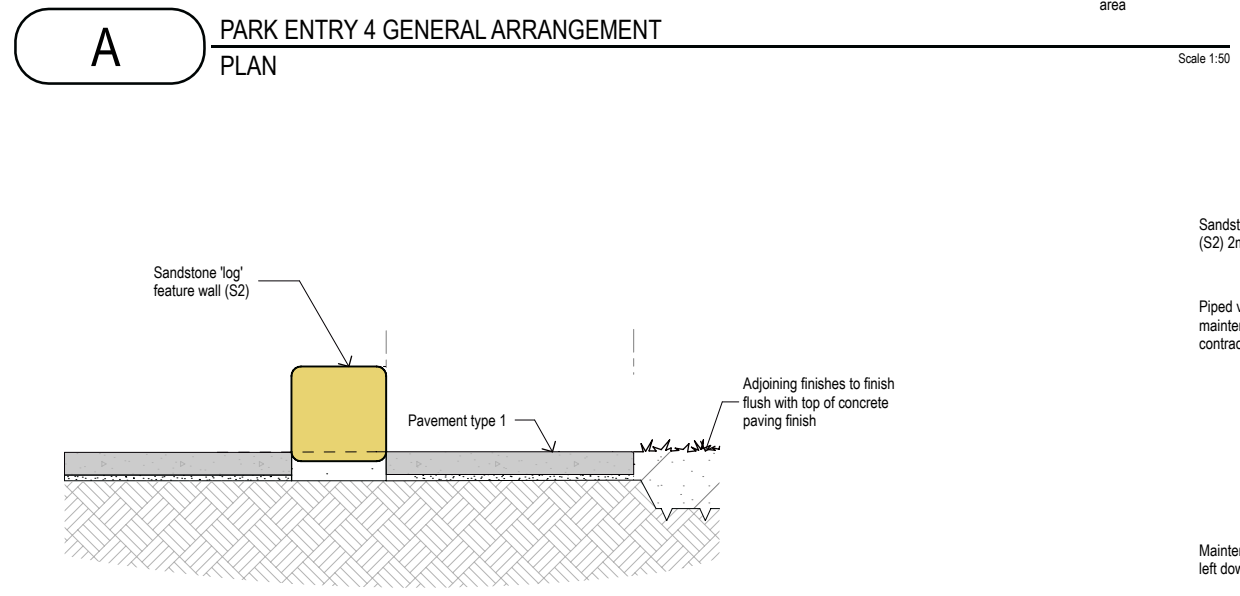
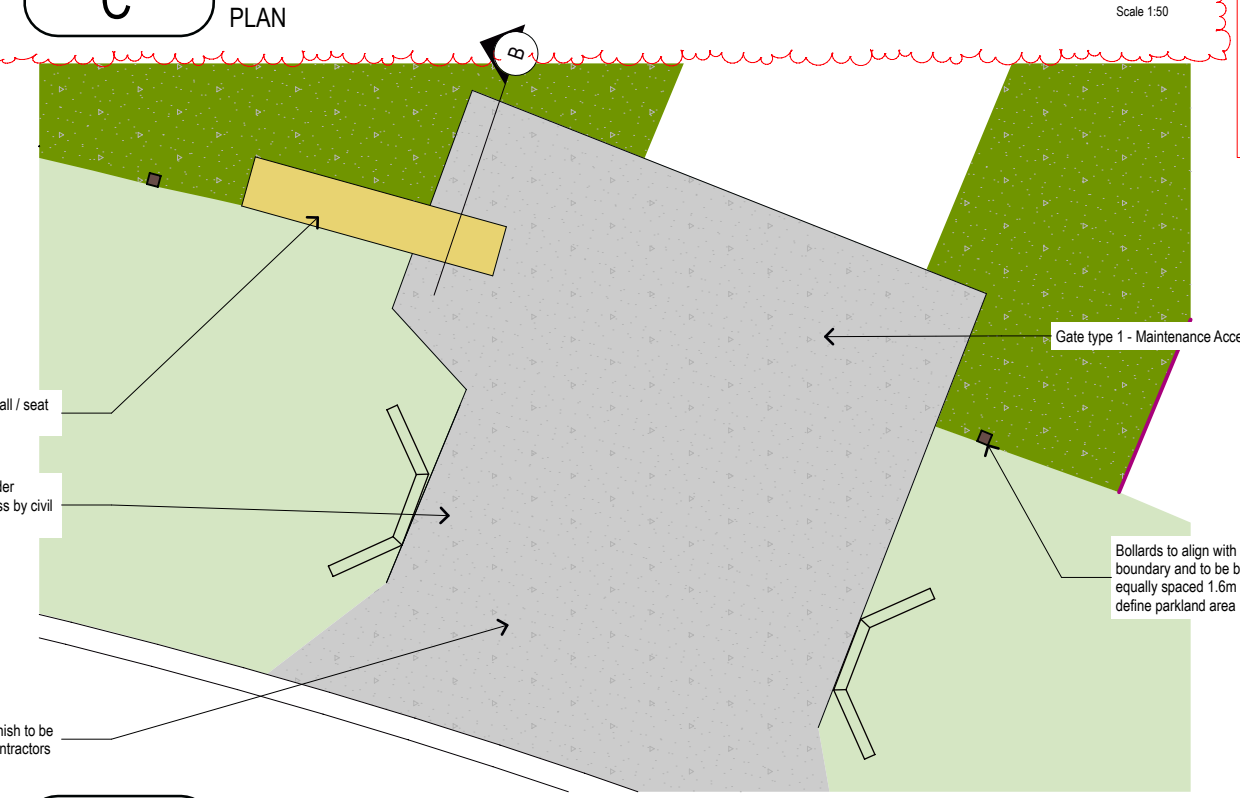
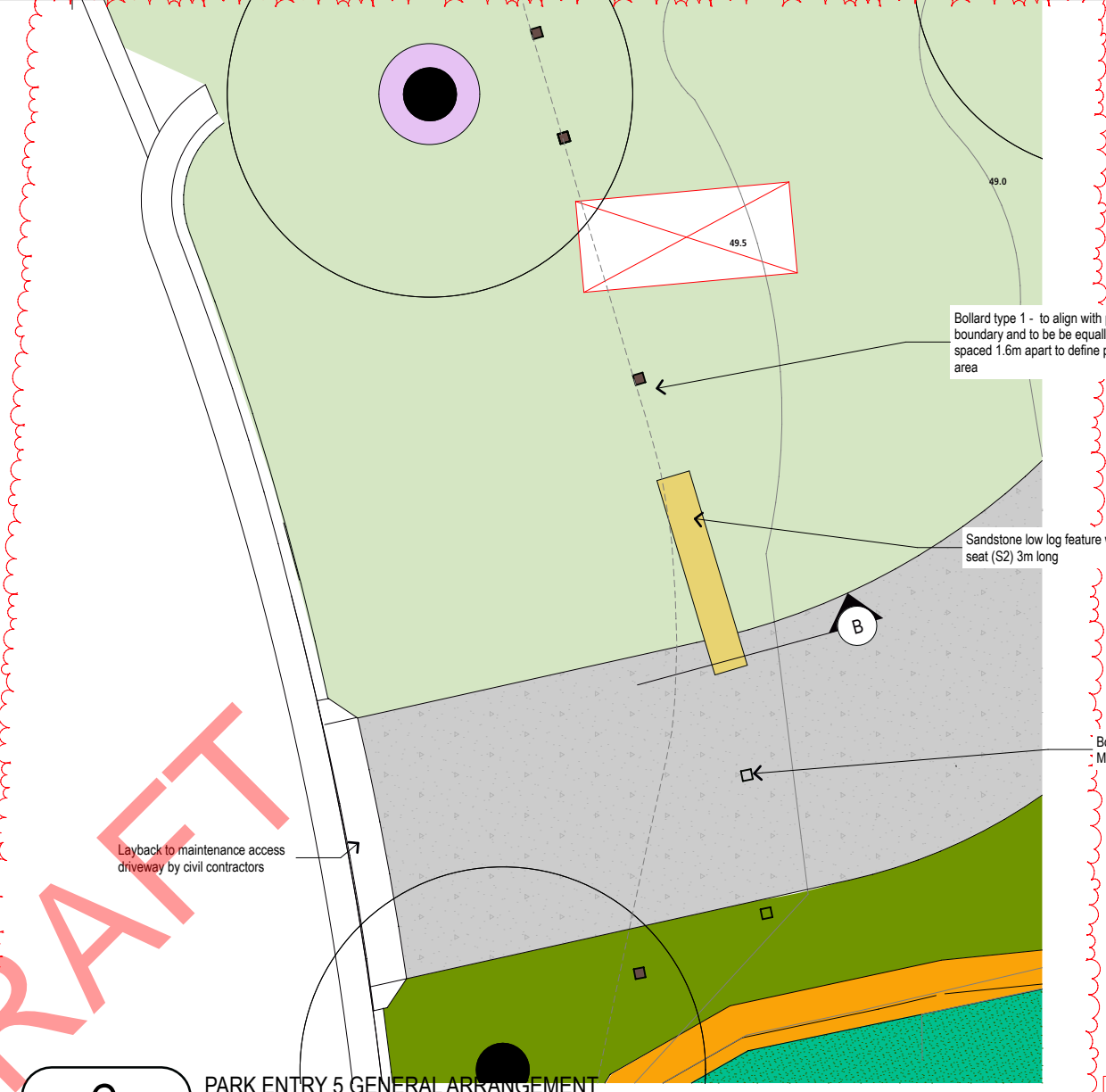
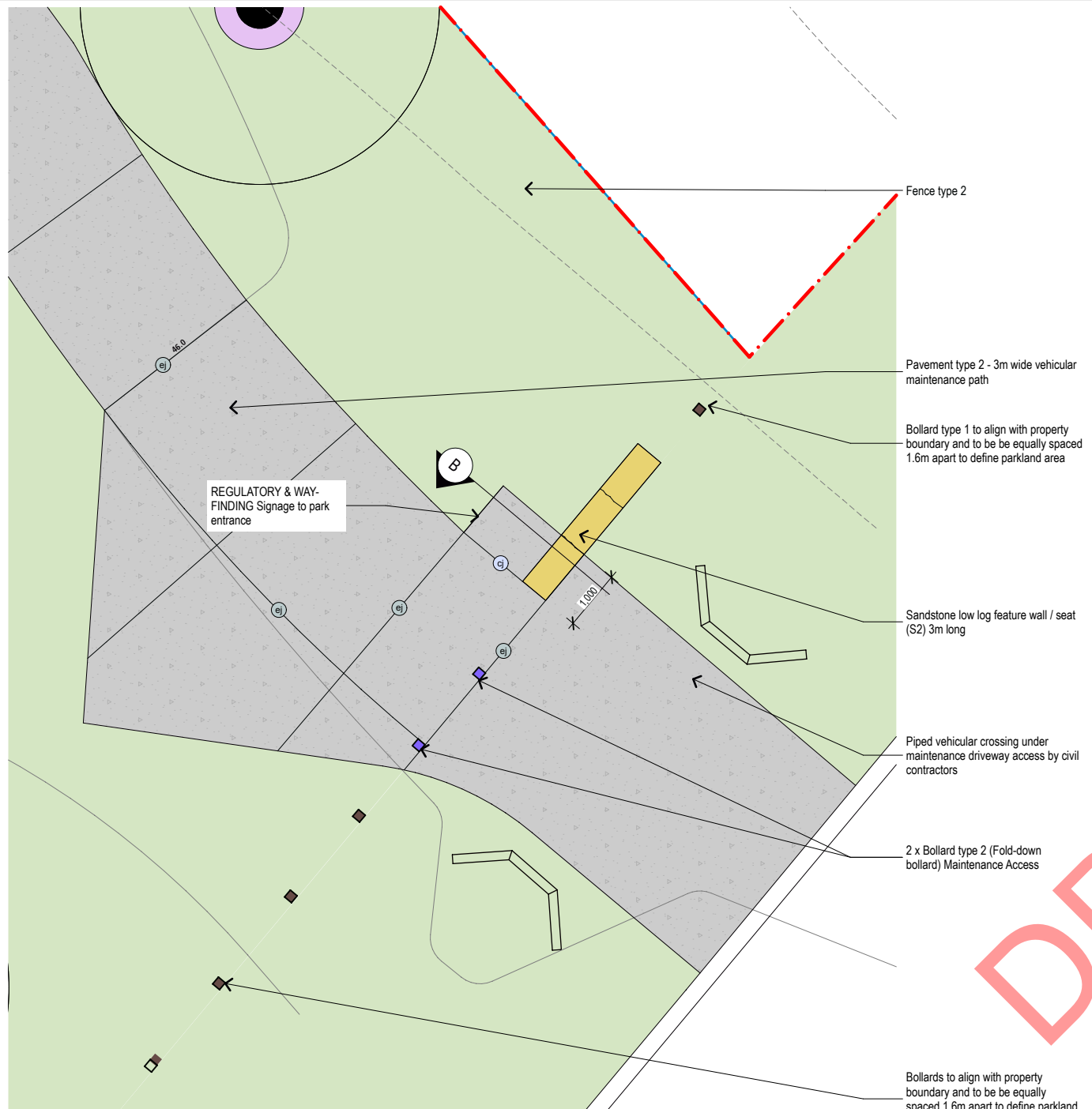
REVISION	DESCRIPTION	CHKD	DATE
E	Changes clouded	DSO	31/10/17
D	Detail added. Issue for CC	DSO	20/07/17
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Park Entry Arrangement 3**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

**LANDSCAPE**  
DRAWING NUMBER  
**L-CD-L409**



DRAFT

**CONSTRUCTION CERTIFICATE**

Certificate No. 20130299C40  
Date of Issue 10 November 2017  
Issuing Officer [Signature]  
Accreditation No. BPB0565

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

REVISION	DESCRIPTION	CHKD	DATE
E	Changes clouded	DSO	30/10/17
D	Details added, fire trail entrance amended. Issue for CC	DSO	20/07/17
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Park Entry Arrangement 4, 5 & 6**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

**LANDSCAPE**

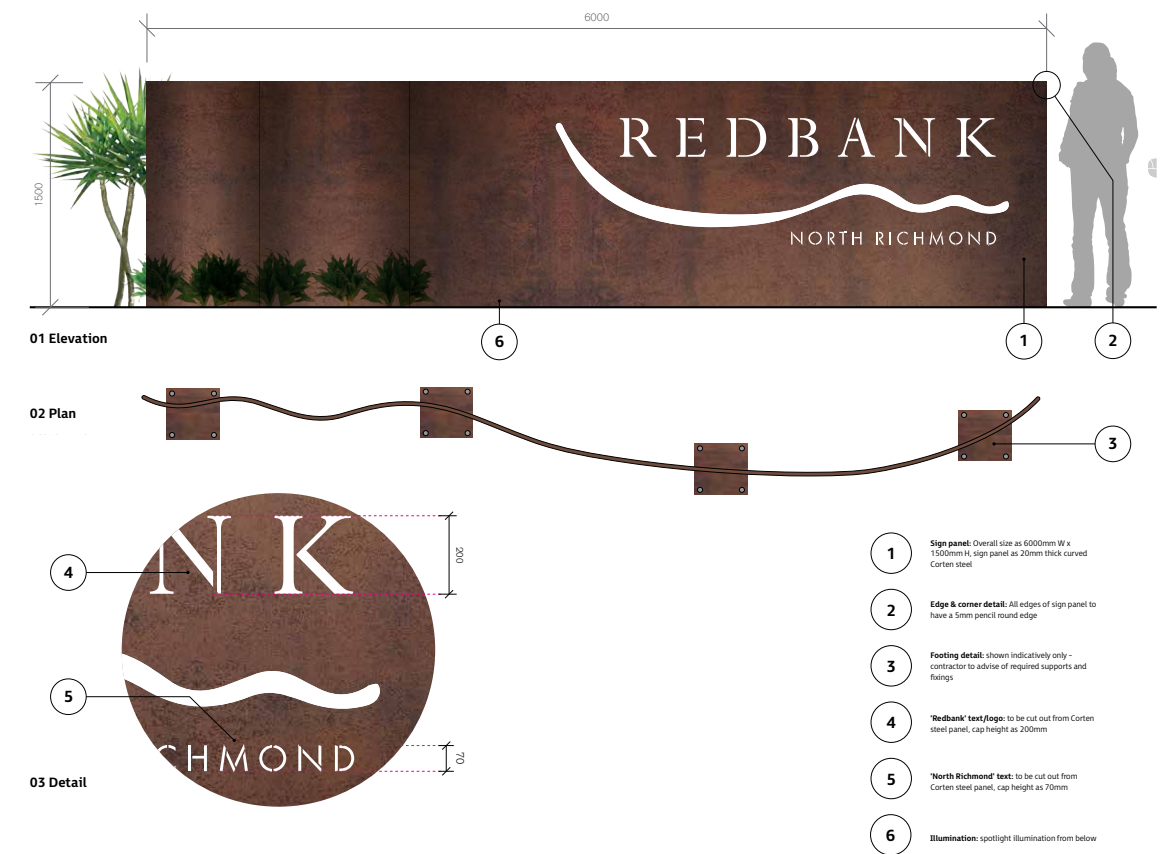
DRAWING NUMBER: L-CD-L410  
REVISION: E





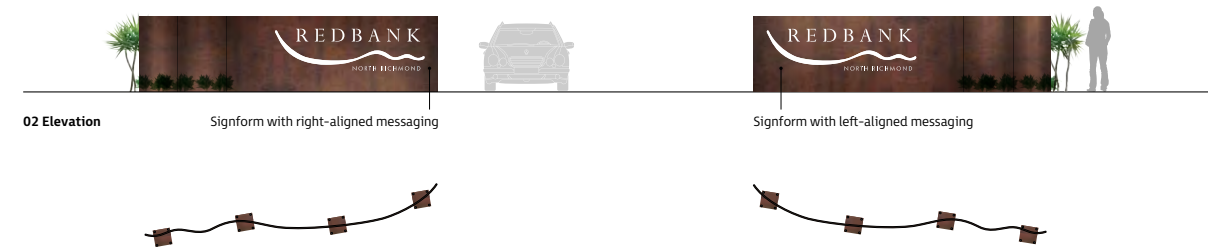
**A** GROSE VALE ROAD ENTRY - ESTATE ENTRY SIGNAGE  
PLAN

Scale 1:100



**C** GROSE VALE ROAD ENTRY - ESTATE ENTRY SIGNAGE  
DETAIL

N.T.S.



**B** GROSE VALE ROAD ENTRY - ESTATE ENTRY SIGNAGE  
ELEVATION

N.T.S.

REFER TO L-CD-L418 FOR SIGNAGE  
DETAILS

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

PROJECT & CLIENT

Redbank

DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE

DRAWING TITLE

Grose Vale Road - Feature Wall Entry Signage Detail

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1



LANDSCAPE

DRAWING NUMBER: L-CD-L411 REVISION: E

**CONSTRUCTION CERTIFICATE**

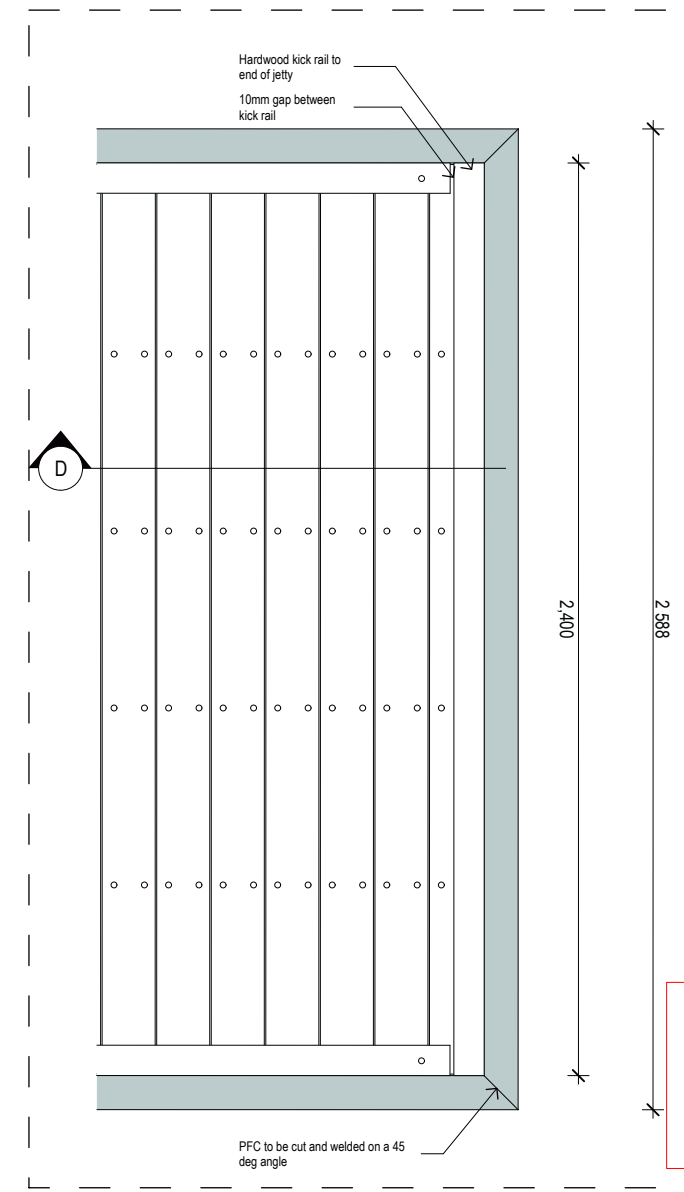
Certificate No. : 20130299C40  
Date of Issue : 10 November 2017  
Issuing Officer : *[Signature]*  
Accreditation No. : BPP0565

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



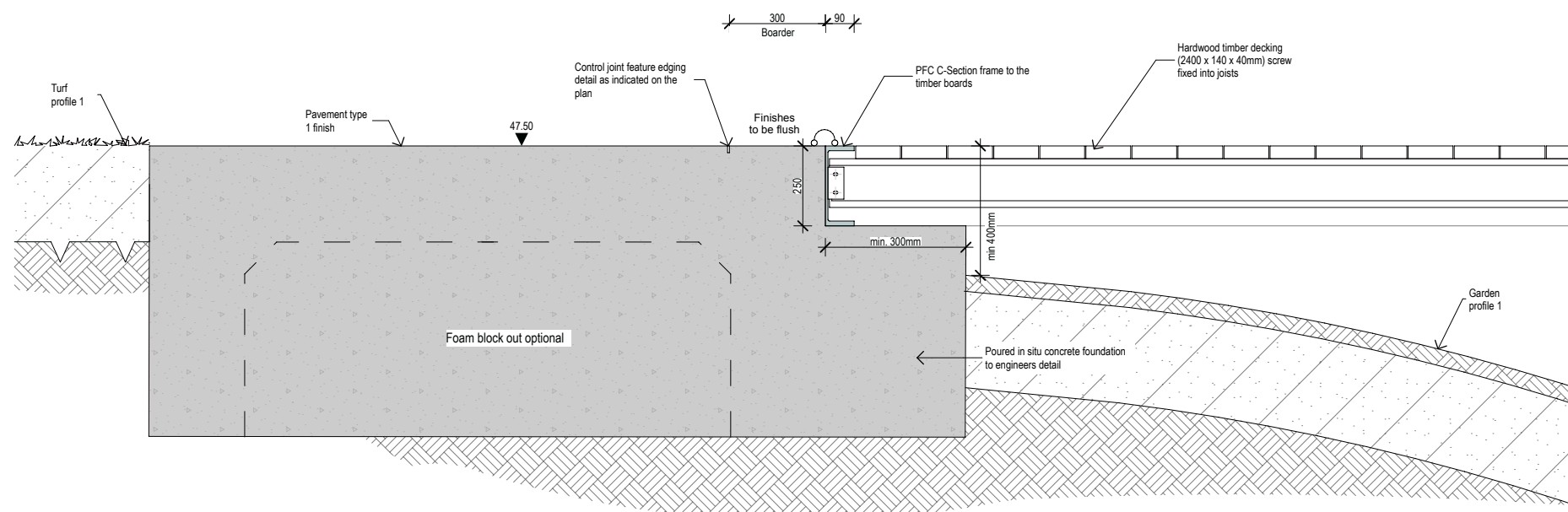
**A** JETTY & VIEWING AREA WITH SANDSTONE SEATING  
PLAN ARRANGEMENT

Scale 1:50



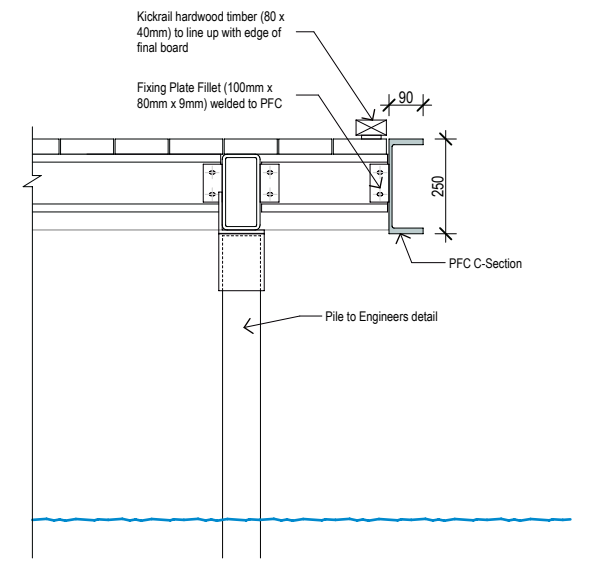
**B** TYPICAL END ARRANGEMENT  
PLAN

Scale 1:10



**C** JETTY & WALL INTERFACE DETAIL  
SECTION ARRANGEMENT

Scale 1:10



**D** JETTY END DETAIL  
SECTION ARRANGEMENT

Scale 1:10

**CONSTRUCTION CERTIFICATE**

Certificate No. .20130299C40.....  
Date of Issue .10 November 2017...  
Issuing Officer *[Signature]*  
Accreditation No. JBPB0565

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

Structural details to be provided by the D&C contractor, for structural design certification

All hardwood to be class 2 durability

REVISION	DESCRIPTION	CHKD	DATE
F	Jointing layout amended	DSO	31/10/17
E	Minor changes to grading and path alignment	DSO	25/08/17
D	Details added. Issue for CC	DSO	20/07/17
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

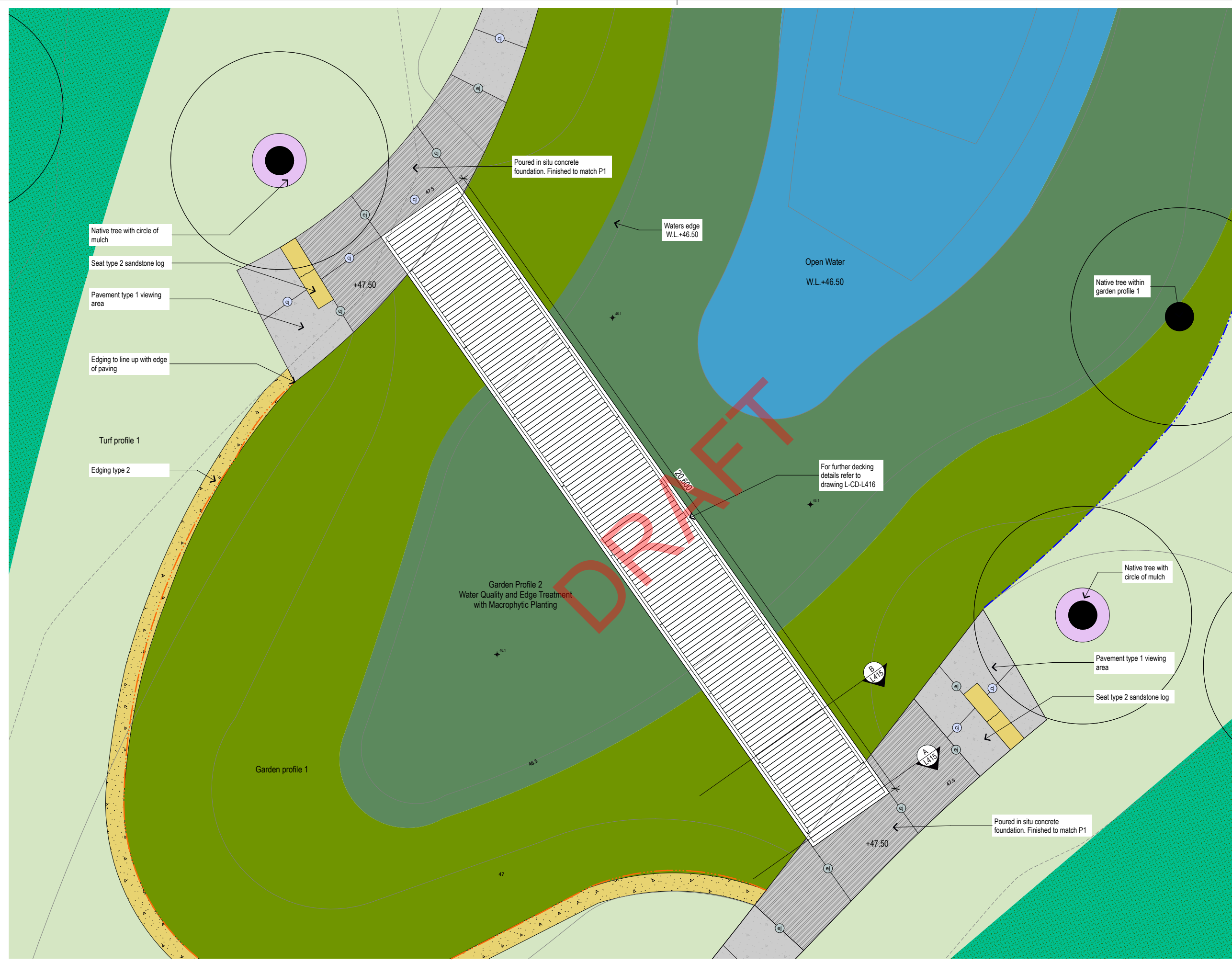
PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Jetty Typical Detail**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

**LANDSCAPE**  
DRAWING NUMBER  
**L-CD-L413**





**CONSTRUCTION CERTIFICATE**

Certificate No. : 20130299C40  
Date of Issue : 10 November 2017  
Issuing Officer : *[Signature]*  
Accreditation No. : BPB0565

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

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

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

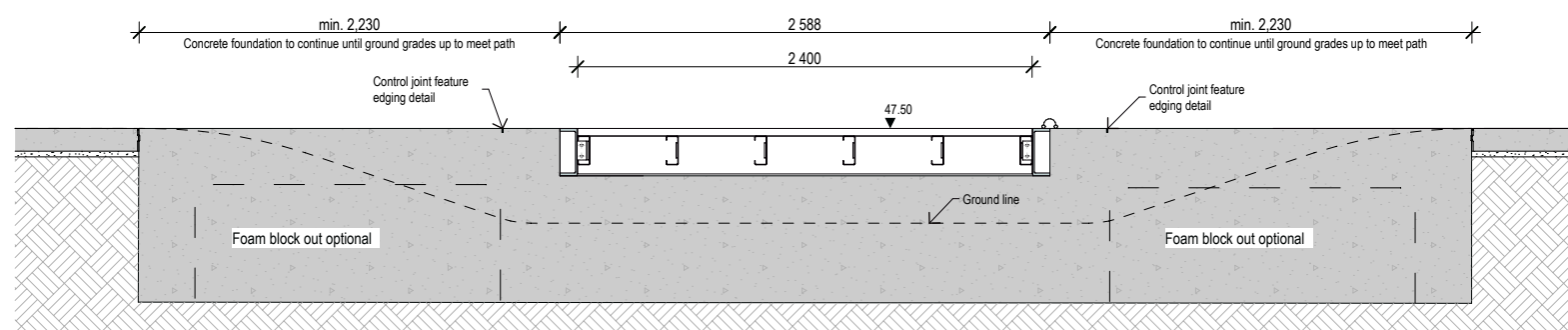
NORTH RICHMOND JOINT VENTURE

DRAWING TITLE  
**Boardwalk General Arrangement**

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

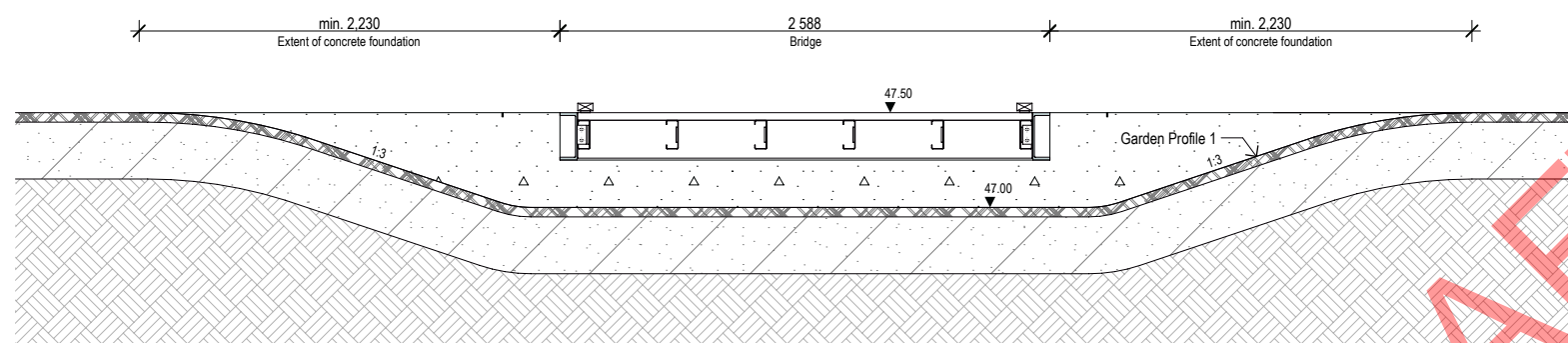
**A** BOARDWALK ARRANGEMENT  
PLAN

Scale 1:50



**A** TYPICAL DECKING ARRANGEMENT SECTION

Scale 1:20



**B** TYPICAL DECKING ARRANGEMENT ELEVATION

Scale 1:20

DRAFT

REVISION	DESCRIPTION	CHKD	DATE
A	Detail added. Issue for CC	DSO	20/07/17

PROJECT & CLIENT

Redbank

**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE

DRAWING TITLE  
**Boardwalk General Arrangement**

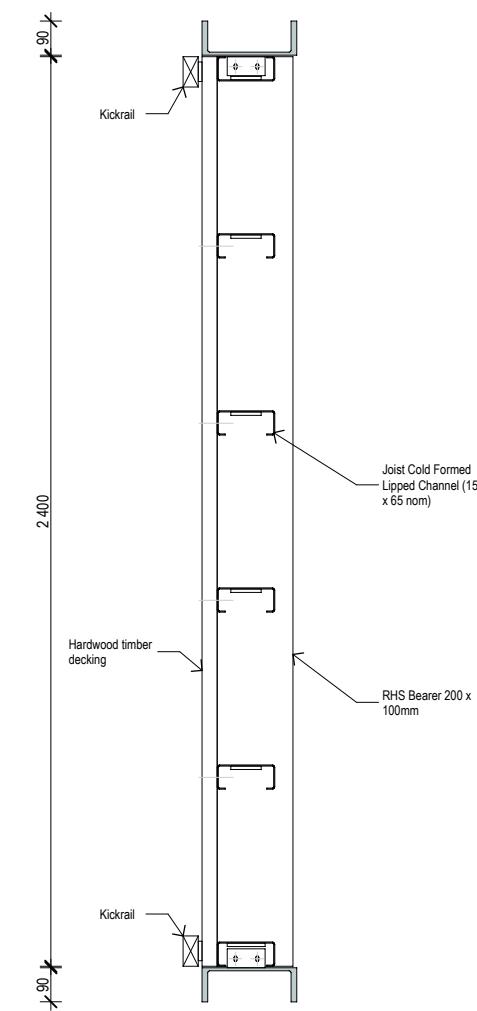
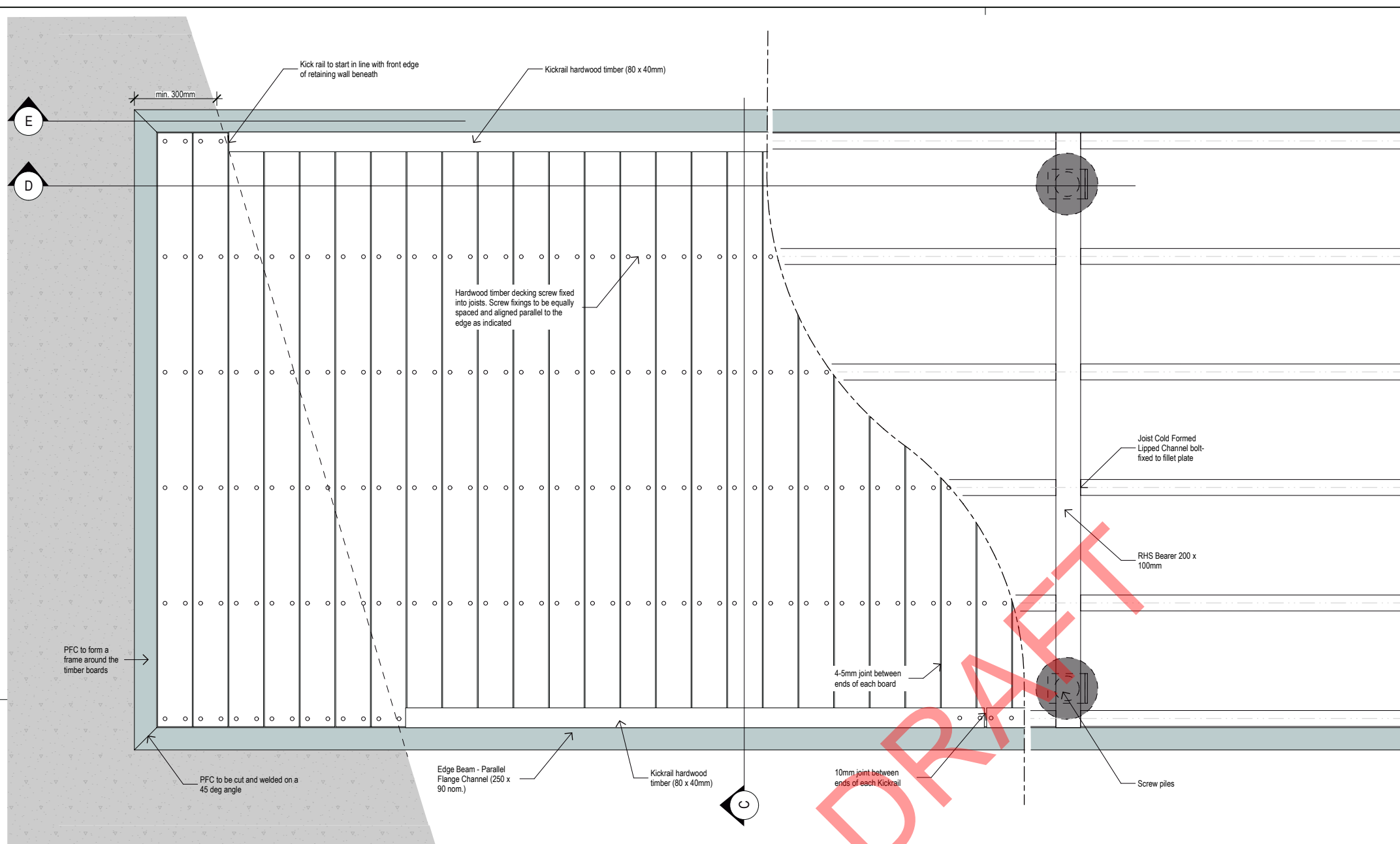
Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

**LANDSCAPE**

DRAWING NUMBER: L-CD-L415 REVISION: A

**CONSTRUCTION CERTIFICATE**  
Certificate No. 20130299C40  
Date of Issue 10 November 2017  
Issuing Officer [Signature]  
Accreditation No. BPB0565  
These plans/specifications form part of the certificate issued 10 November 2017

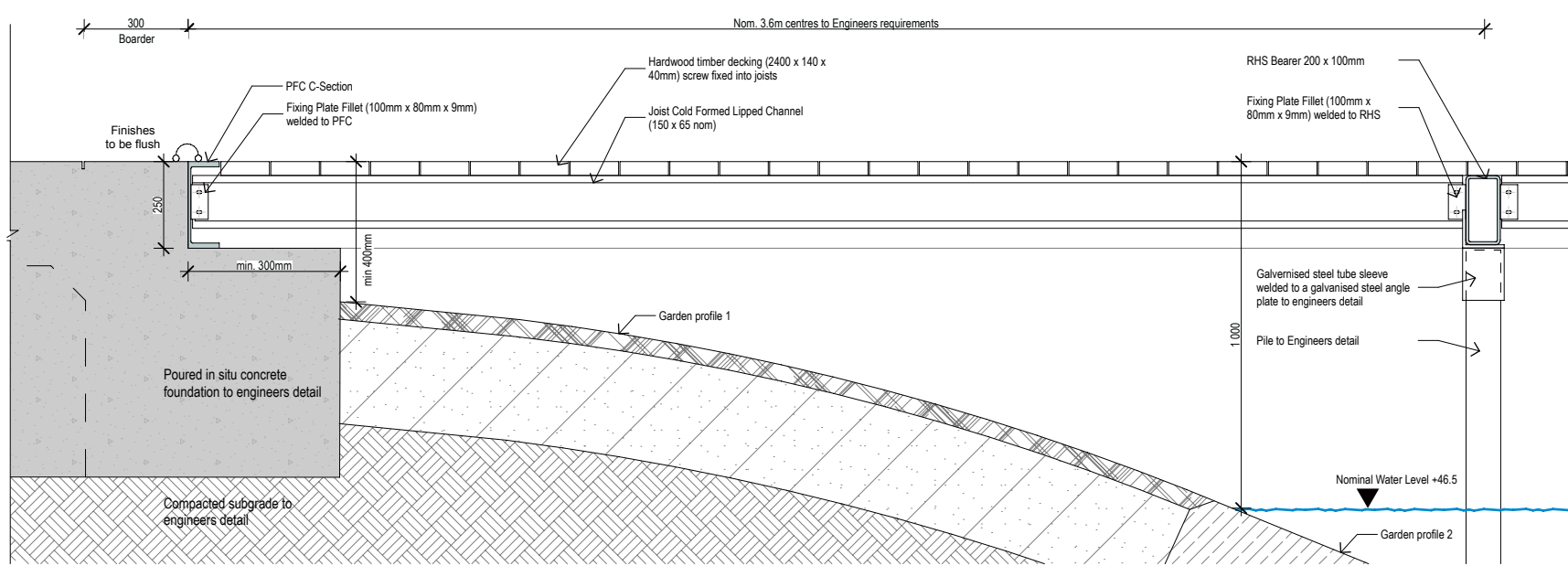




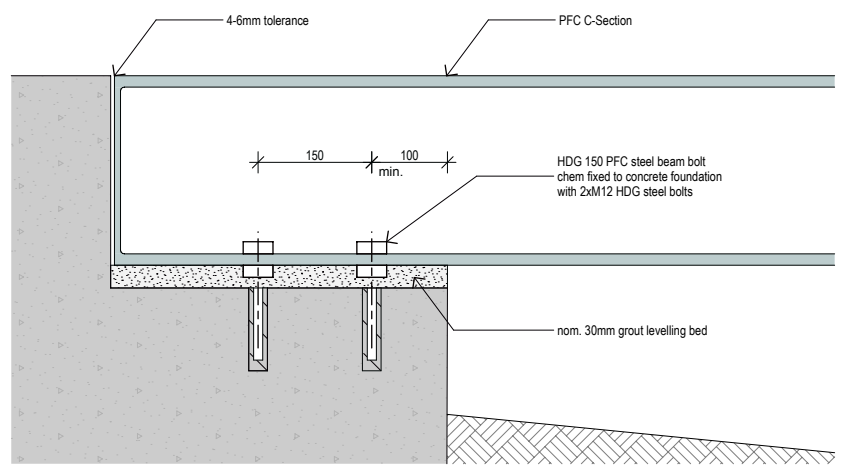
**A** TYPICAL DECKING ARRANGEMENT PLAN Scale 1:10

**B** TYPICAL STRUCTURAL DECKING ARRANGEMENT PLAN Scale 1:10

**C** TYPICAL DECKING SECTION Scale 1:10



**D** BOARDWALK (& JETTY) END ARRANGEMENT SECTION Scale 1:10



**E** TYPICAL FIXING ARRANGEMENT SECTION Scale 1:5

**CONSTRUCTION CERTIFICATE**

Certificate No. ...20130299C40.....  
Date of Issue ...10 November 2017.....  
Issuing Officer *Henry Jones*  
Accreditation No. ...BPB0565.....

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

Structural details to be provided by the D&C contractor, for structural design certification

All hardwood to be class 2 durability

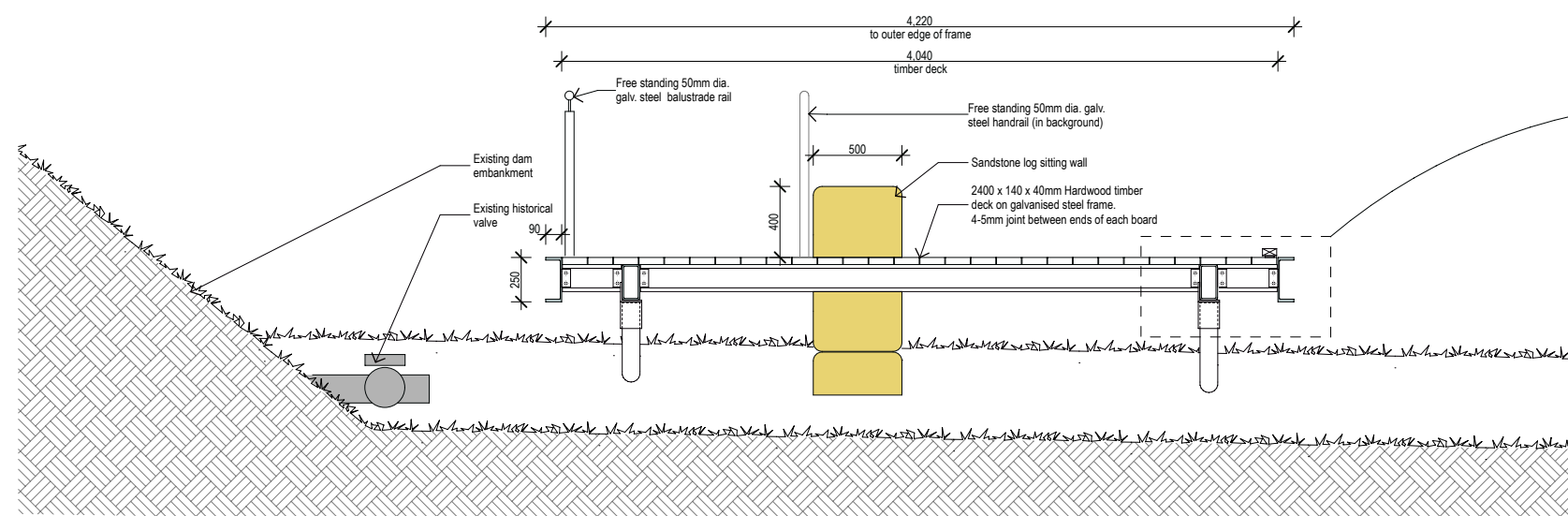
REVISION	DESCRIPTION	CHKD	DATE
E	Jointing layout amended	DSO	30/10/17
D	Detail added. Issue for CC	DSO	20/07/17
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT  
**Redbank**  
**DA12 - Belmont Precinct**

NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
**Typical Decking Details (Boardwalk)**

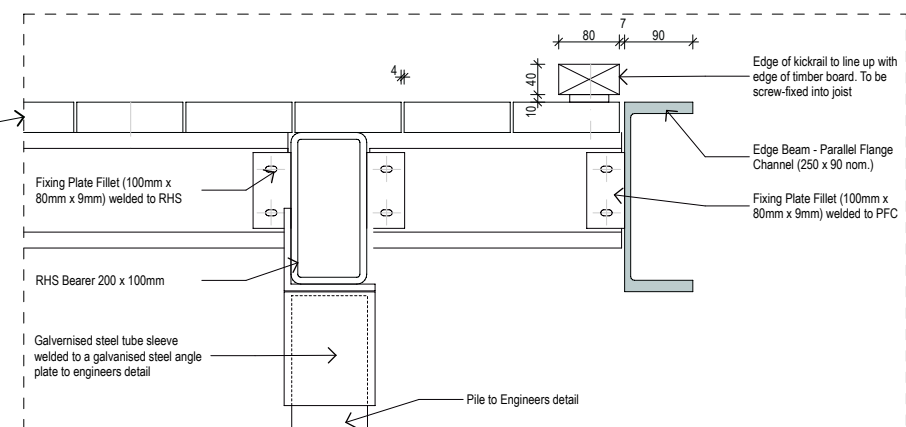
Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1

**LANDSCAPE**  
DRAWING NUMBER: L-CD-L416  
REVISION: E



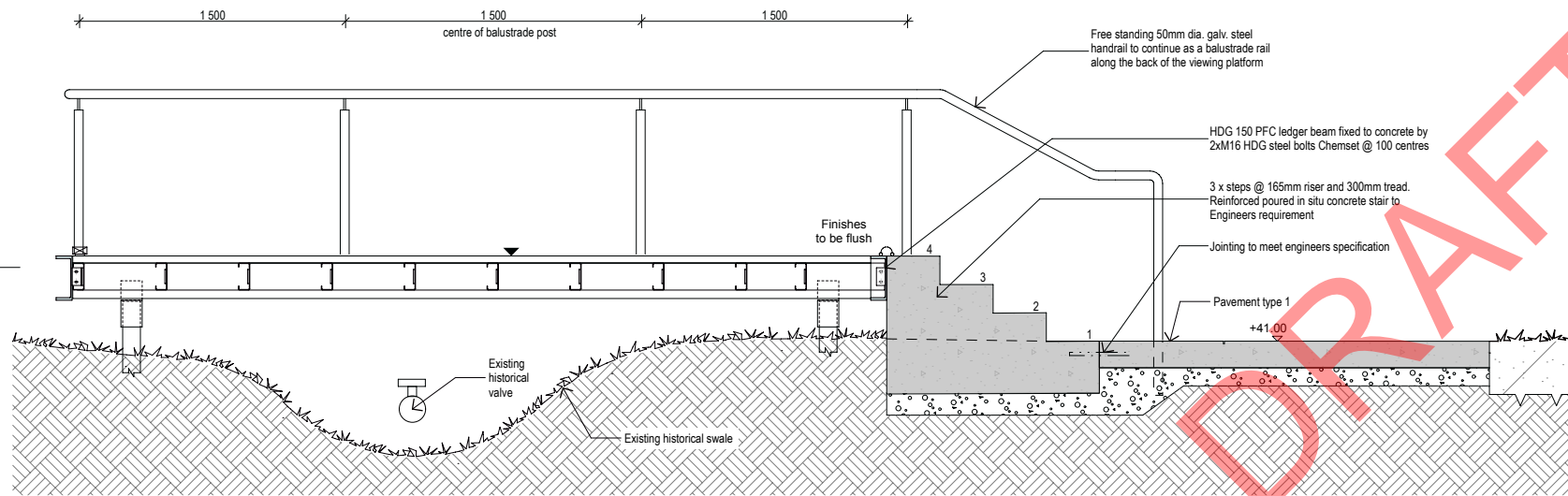
**A** VALVE VIEWING PLATFORM STRUCTURE  
SECTION ELEVATION

Scale 1:20



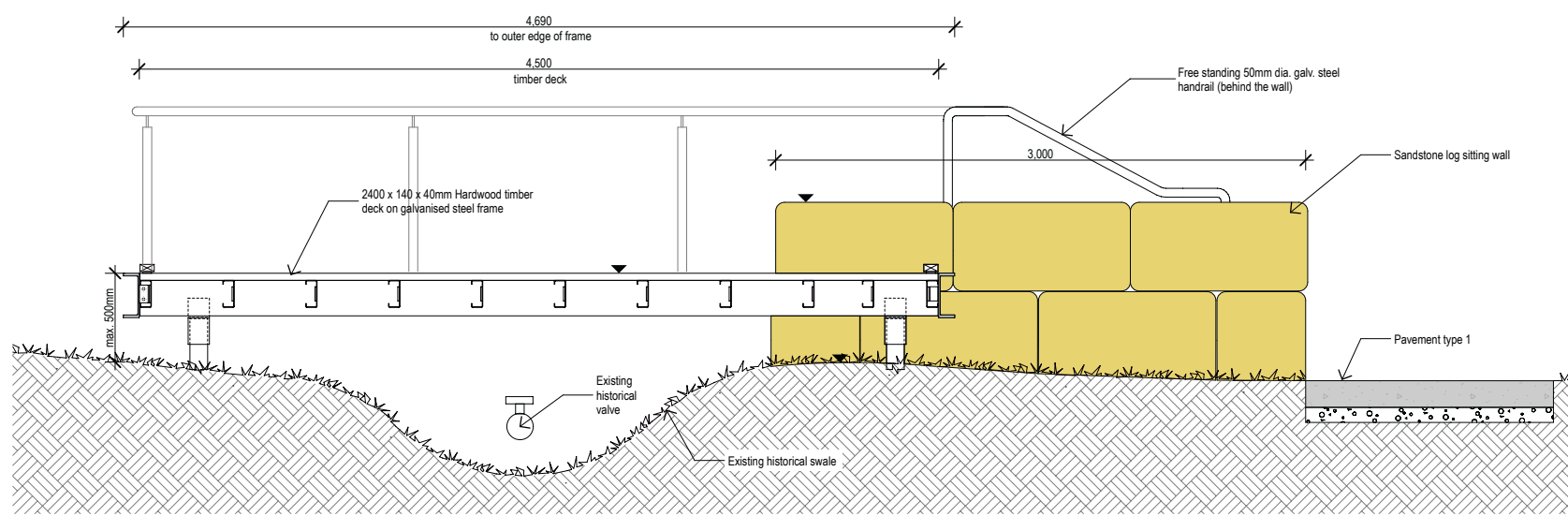
TYPICAL EDGE ARRANGEMENT

Scale 1:5



**B** VALVE VIEWING PLATFORM STRUCTURE  
SECTION ELEVATION

Scale 1:20



**C** VALVE VIEWING PLATFORM STRUCTURE  
SECTION ELEVATION

Scale 1:20



**D** VALVE VIEWING PLATFORM STRUCTURE  
PLAN

Scale 1:50

**CONSTRUCTION CERTIFICATE**

Certificate No. 20130299C40  
Date of Issue 10 November 2017  
Issuing Officer [Signature]  
Accreditation No. BPB0565

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

Structural details to be provided by the D&C contractor, for structural design certification

All hardwood to be class 2 durability

REVISION	DESCRIPTION	CHKD	DATE
E	Signage deleted	DSO	30/10/17
D	Detail added. Issue for CC	DSO	20/07/17
C	For Tender	DSO	05/10/16
B	For Pre-Tender Cost Estimate for Review	DSO	16/08/16
A	For Construction Certificate	DSO	02/08/16

PROJECT & CLIENT

Redbank  
DA12 - Belmont Precinct

NORTH RICHMOND JOINT VENTURE  
DRAWING TITLE  
Valve Viewing Platform  
General Arrangement

Project No : 16.09  
Designed : arterra  
Drawn : arterra  
Scale : AS@A1



LANDSCAPE  
DRAWING NUMBER  
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REVISION  
E