

Rev. S. - 28/06/18 - BOLD TITLE BOUNDARY	
Rev. R. - 18/05/18 - Revise layout stage 1B & 1F	
Rev. Q. - 16/05/18 - Revise layout stage 1F	
Rev. P. - 27/03/18 - Revise layout stage 1B	
Rev. O. - 27/02/18 - Revise layout RFL 22/2/18	
Rev. N. - 16/02/18 - Corner Lots 550sqm	
Rev. M. - 27/10/17 - Coast Road entry	
Rev. L. - 17/10/17 - Lots 101, 102, 145, 146	
Rev. K. - 27/9/17 - Lots 343-346, 348	
Rev. J. - 22/9/17 - Lots 343-346, 434-437, 622	
Revision	Chk

Client:
Intrapac Skennars Head Pty Ltd

IMPORTANT NOTES :	
	DENOTES ZONE BOUNDARY
	DENOTES PROPOSED DRAINAGE RESERVE
	DENOTES PROPOSED RESERVE
	DENOTES PROXIMITY AREA FOR COASTAL WETLANDS AS PER DRAFT COASTAL MANAGEMENT SEPP
	DENOTES PROPOSED INDICATIVE BUILDING ENVELOPE

THE PROPOSED BOUNDARIES AS SHOWN HEREON ARE PRELIMINARY ONLY AND ARE SUBJECT TO FINAL DESIGN, LOCAL AUTHORITY APPROVAL AND REGISTRATION WITH LAND AND PROPERTY INFORMATION NSW

PROPOSED SUBDIVISION PLAN

OF LOT 6 IN DP1225206
THE COAST ROAD, SKENNARS HEAD

Parish of BALLINA County of Rous

B & P SURVEYS
CONSULTING SURVEYORS
AGN 01017236
142 Muwulumbah Street
MURWILLUMBAH
NSW 2484 Australia
Telephone: (02) 66721924
Facsimile: (02) 66722618
Email: mbah@bpsurveys.com.au
Offices Also At :
Nerang
Ph: (07) 55960370

A QUALITY ASSURED COMPANY
www.bpsurveys.com.au
Tweed Heads
Ph: (07) 55363611

J:\00Mbah\mbah jobs\31890\dwgs\21837b-pro		SCALE AT A1	Level DATUM	Dtwn	Ch'd	F.Bk	L.Bk
1 : 2000		NEB					
REF. No.	DATE	DRAWING No./Size	Sheet	Of	Rev.		
M31890	3/2/17	21837 B	1	4	S		



Rev. S - 28/06/18 - BOLD TITLE BOUNDARY

Rev. R - 18/05/18 - Revise layout stage 1B & 1F

Rev. Q - 16/05/18 - Revise layout stage 1F

Rev. P - 27/03/18 - Revise layout stage 1B

Rev. O - 26/03/18 - Revise layout RFL 22/2/18

Rev. N - 16/02/18 - Corner Lots 550sqm

Revision

Client:

IMPORTANT NOTES :

--- DENOTES ZONE BOUNDARY

--- DENOTES PROXIMITY AREA FOR COASTAL WETLANDS AS PER DRAFT COASTAL MANAGEMENT SEPP

10x15 DENOTES PROPOSED INDICATIVE BUILDING ENVELOPE

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PROPOSED SUBDIVISION PLAN

OF LOT 6 IN DP1225206

THE COAST ROAD, SKENNARS HEAD

Parish of BALLINA County of ROUS

J:\00Mbah\Bbah jobs\31890\dwgs\21837B5-pro

SCALE AT A1

Level DATUM

F.Bk

L.Bk

Drawn

NEB

CHK'd

1 : 750

LS

REF. No.

DATE

DRAWING No./Size

Sheet

Of

Rev.

M31890

3/2/17

21837 B

3

4

S

B & P SURVEYS

CONSULTING SURVEYORS

A2N 0017256

142 MURWILLUMBAH STREET

MURWILLUMBAH

NSW 2484 Australia

Telephone: (02) 66721924

Facsimile: (02) 66722518

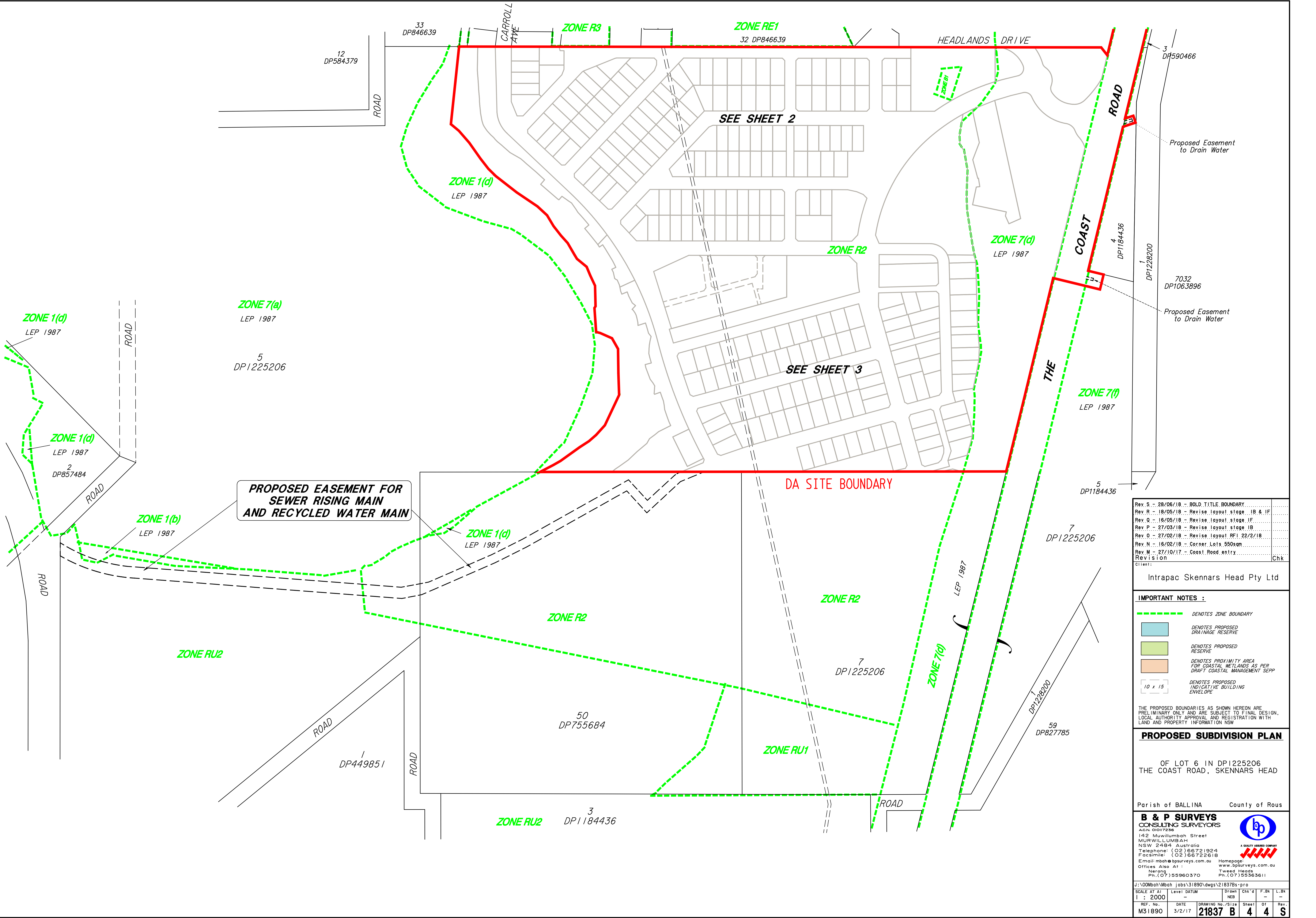
Email: mbah@bpsurveys.com.au Homepage: www.bpsurveys.com.au

Offices Also At:

Nerang Ph: (07) 55960370

Tweed Heads Ph: (07) 55363611

A QUALITY ASSURED COMPANY



Rev. S. - 28/05/18 - BOLD TITLE, BOUNDARY	
Rev. R. - 18/05/18 - Revise layout stage IB & IF	
Rev. Q. - 16/05/18 - Revise layout stage IF	
Rev. P. - 27/03/18 - Revise layout stage IB	
Rev. O. - 27/02/18 - Revise layout RFI 22/2/18	
Rev. N. - 16/02/18 - Corner Lots 550sqm	
Rev. M. - 27/10/17 - Coast Road entry	
Revision	Chk
Client:	

Intrapac Skennars Head Pty Ltd

IMPORTANT NOTES :	
	DENOTES ZONE BOUNDARY
	DENOTES PROPOSED DRAINAGE RESERVE
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PROPOSED SUBDIVISION PLAN

OF LOT 6 IN DP1225206
THE COAST ROAD, SKENNARS HEAD

Parish of BALLINA County of Rous

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ACN 01017236
142 Muwulumbah Street
MURWILLUMBAH
NSW 2484 Australia
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J:\00Mbah\mbah jobs\31890\dwgs\21837bs-pro			
SCALE AT A1	Level DATUM	Dwgs	F.Bk
1 : 2000	NEB	—	—
REF. No.	DATE	DRAWING No./Size	Sheet Of
M31890	3/2/17	21837 B	4 4
		Rev.	S



SKENNARS HEAD EXPANSION AREA OVERALL LANDSCAPE MASTERPLAN

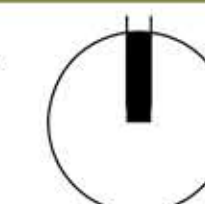
LANDSCAPE ARCHITECTURE | URBAN DESIGN | ENVIRONMENTAL PROJECT MANAGEMENT

Date July 2018

Project No 1519 | MP01B

1:2000 @ A1
1:4000 @ A3

0 25 50 100m



LANDSITE PTY LTD
ABN: 48 108 257 971
PO BOX 1175 BYRON BAY NSW
2481
T: (02) 6694 3800
F: (02) 6665 4706
E: info@landsite.net.au



STREET HIERARCHY PLAN
Scale 1:4000

LEGEND

22M ROAD RESERVE / DISTRIBUTOR ROAD / 11M CARRIAGEWAY	16M ROAD RESERVE / LOCAL STREET / 7M CARRIAGEWAY
18M ROAD RESERVE / COLLECTOR STREET / 11M CARRIAGEWAY	14M ROAD RESERVE / ACCESS STREET / 7M CARRIAGEWAY
18M ROAD RESERVE / LOCAL STREET / 9M CARRIAGEWAY	7M ROAD RESERVE / LANEWAY / 6M CARRIAGEWAY
18M ROAD RESERVE (WETLAND INTERFACE) / COLLECTOR STREET / 11M CARRIAGEWAY	

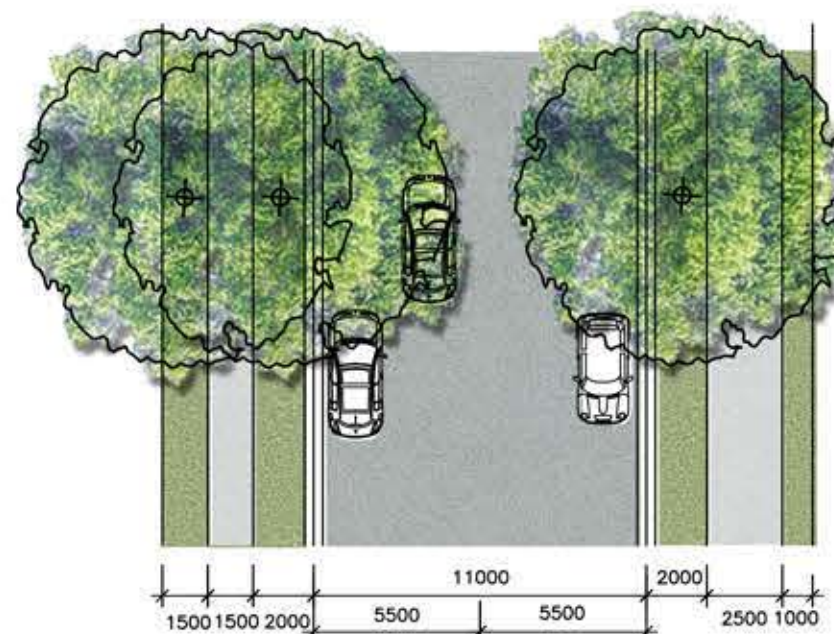
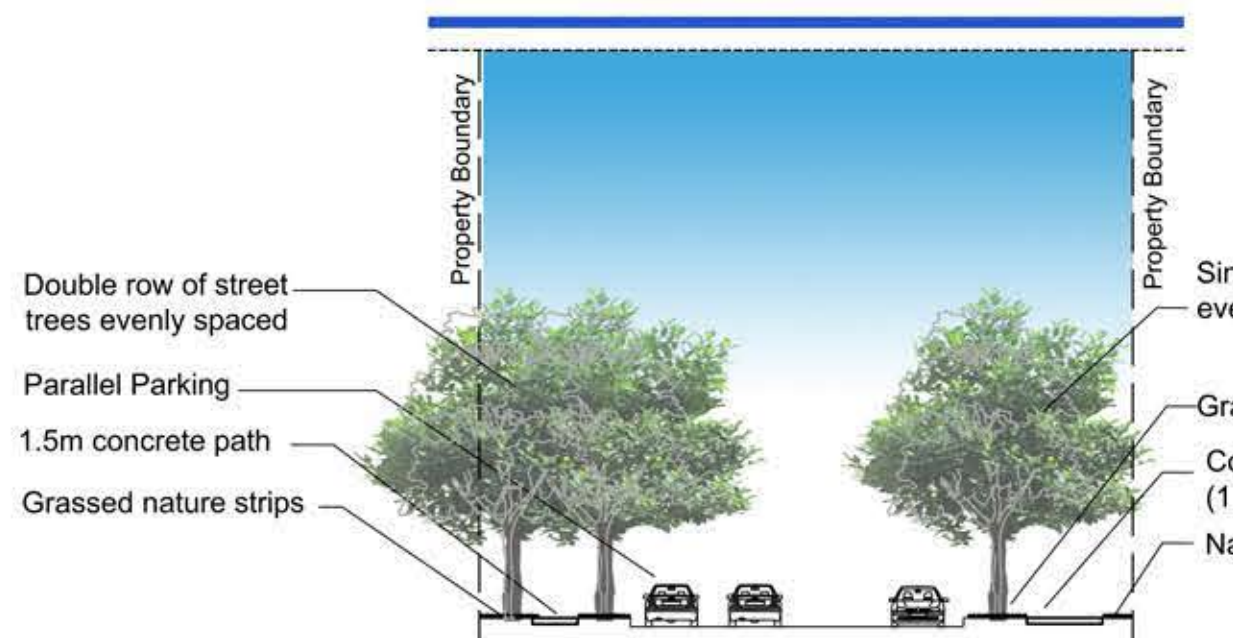


STREET TREE PLAN
Scale 1:4000

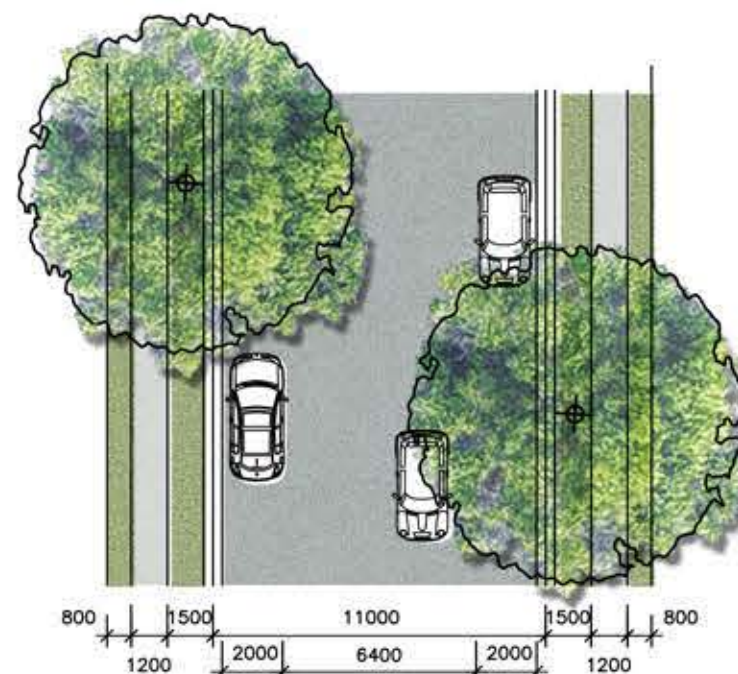
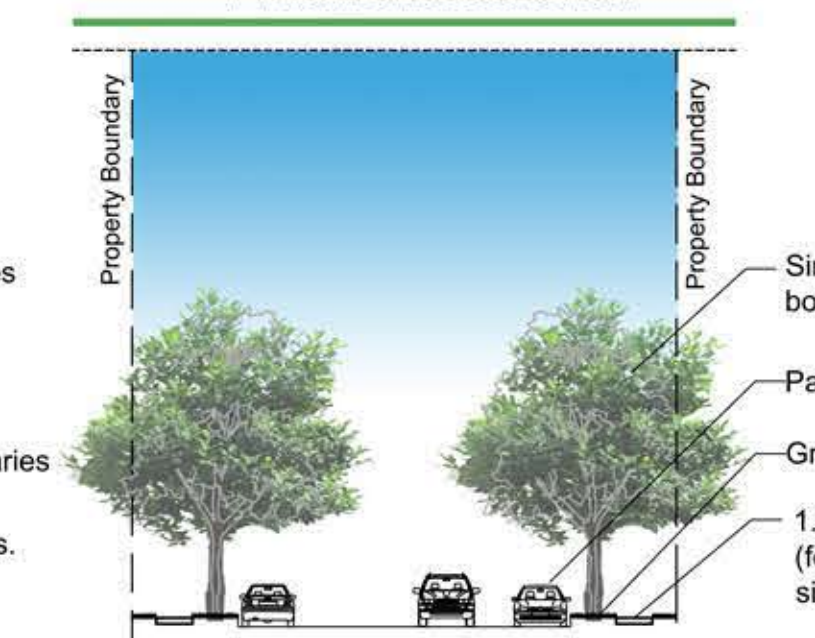
PROPOSED STREET TREES

CODE	BOTANICAL NAME	COMMON NAME	HEIGHT RANGE	SPREAD RANGE
EVERGREEN TREES				
Ag	Allocasuarina glauca	Swamp She-oak	8 - 20m	5 - 7m
As	Acmena smithii	Lilly Pilly	8 - 10m	6m
Bi	Banksia integrifolia	Coastal Banksia	8 - 12m	4 - 6m
Ca	Cupaniopsis anacardioides	Tuckeroo	6 - 8m	5 - 8m
Er	Elaeocarpus reticulatus	Blueberry Ash	8 - 10m	3 - 4m
Era	Eucalyptus racemosa	Scribbly Gum	10 - 25m	5 - 7m
Fs	Flindersia schottiana	Cudgerie	6 - 10m	5 - 8m
Lc	Lophostemon confertus	Queensland Brush Box	10 - 12m	5 - 15m
FOCAL TREES				
	Araucaria heterophylla	Norfolk Island Pine		
	Ficus macrophylla	Morton Bay Fig		

22m WIDTH ROAD RESERVE / DISTRIBUTOR ROAD
- TYPICAL CROSS SECTION

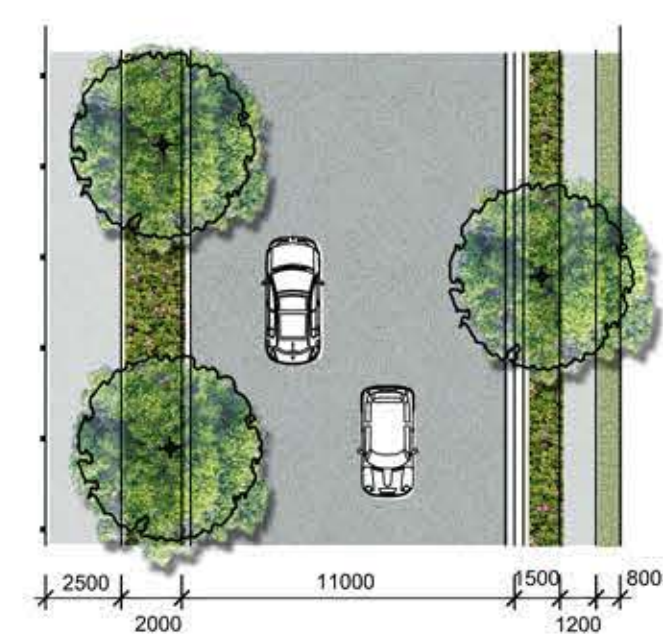
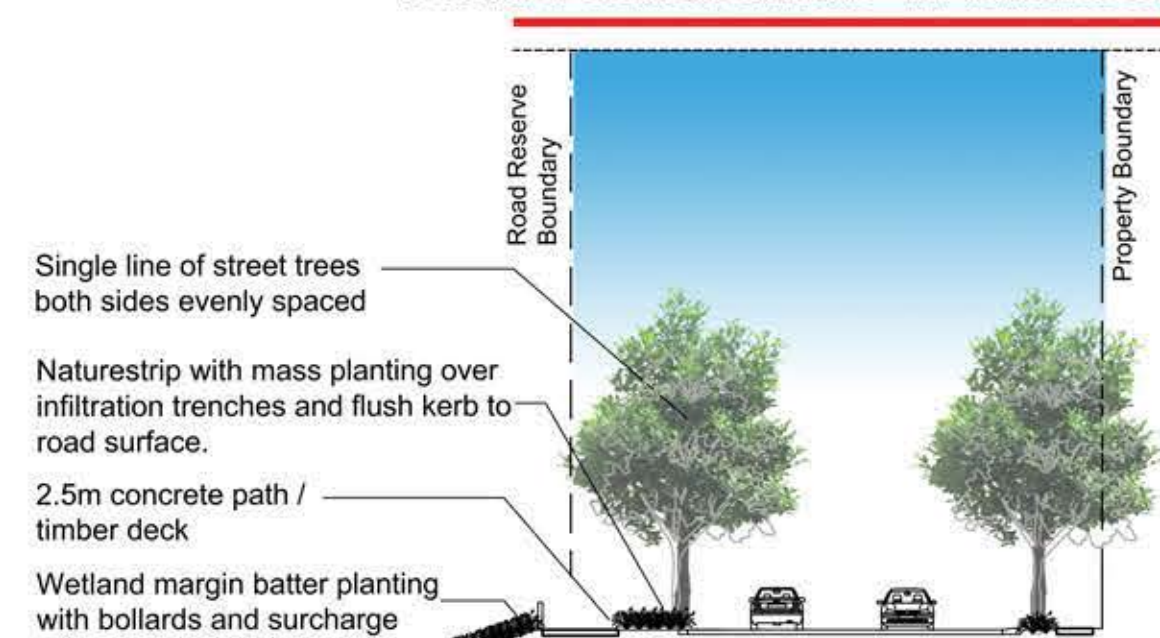


18m WIDTH ROAD RESERVE / COLLECTOR STREET
- TYPICAL CROSS SECTION

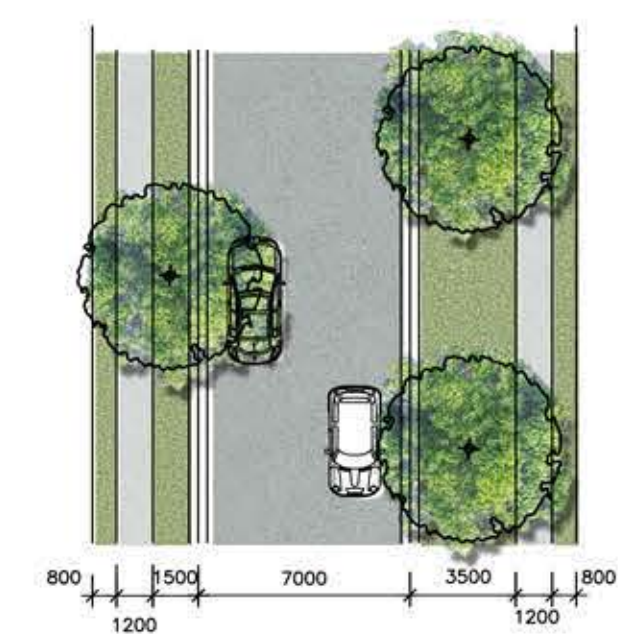
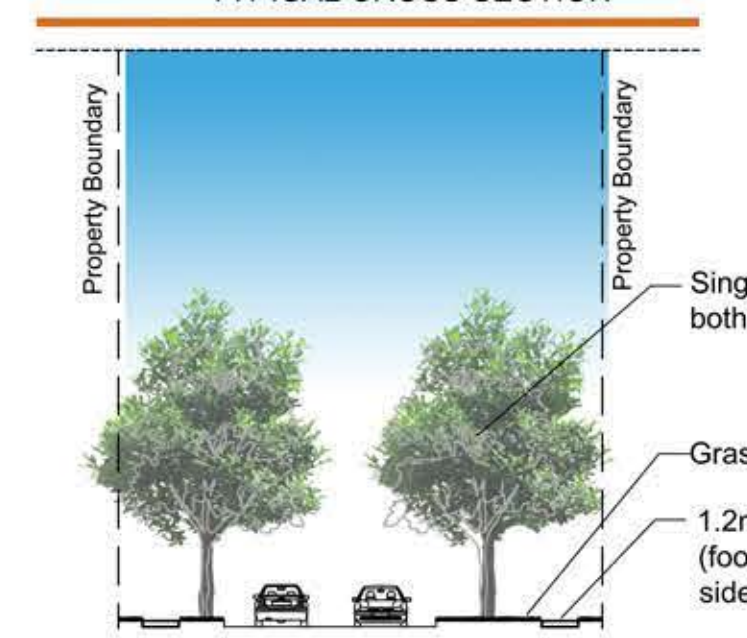


Note: For local streets with 18m road reserve, carriageway reduced to 9m

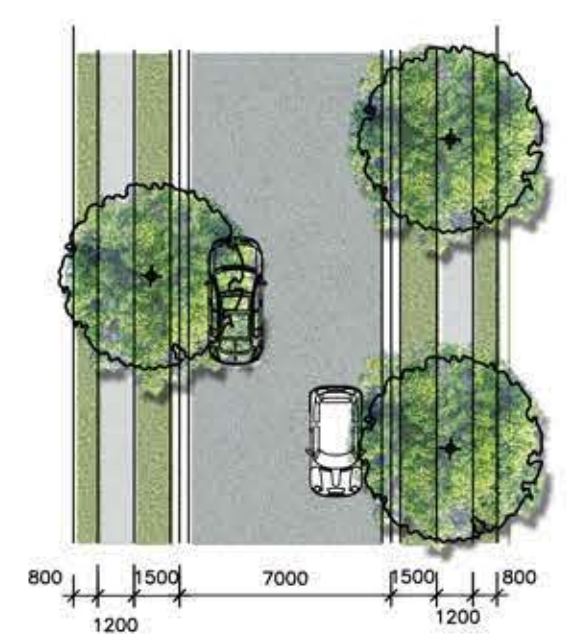
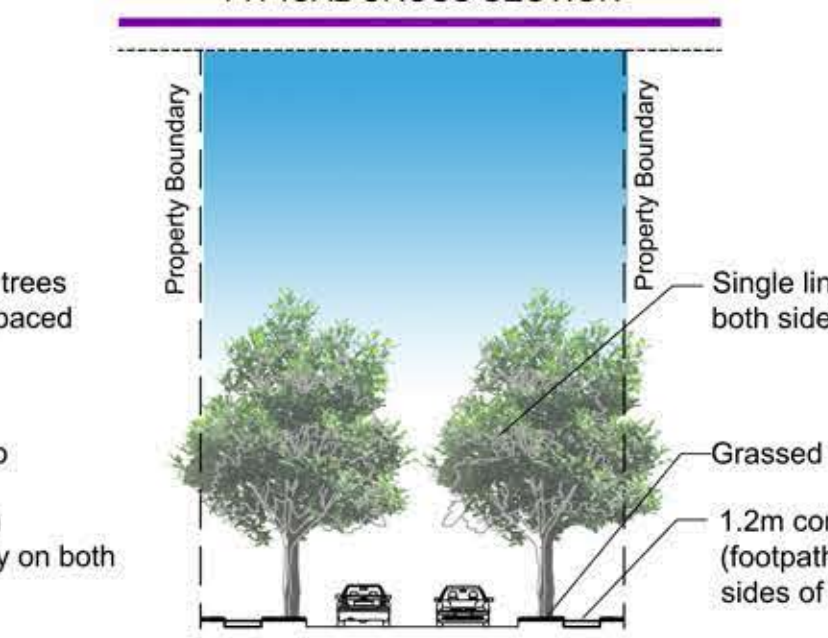
18m WIDTH CONSERVATION ZONE INTERFACE ROAD
RESERVE / COLLECTOR ROAD - TYPICAL CROSS SECTION



16m WIDTH ROAD RESERVE / LOCAL STREET
- TYPICAL CROSS SECTION



14m WIDTH ROAD RESERVE / ACCESS STREET
- TYPICAL CROSS SECTION

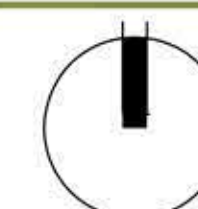


SKENNARS HEAD EXPANSION AREA STREET ROAD TYPES PLAN AND SECTIONS

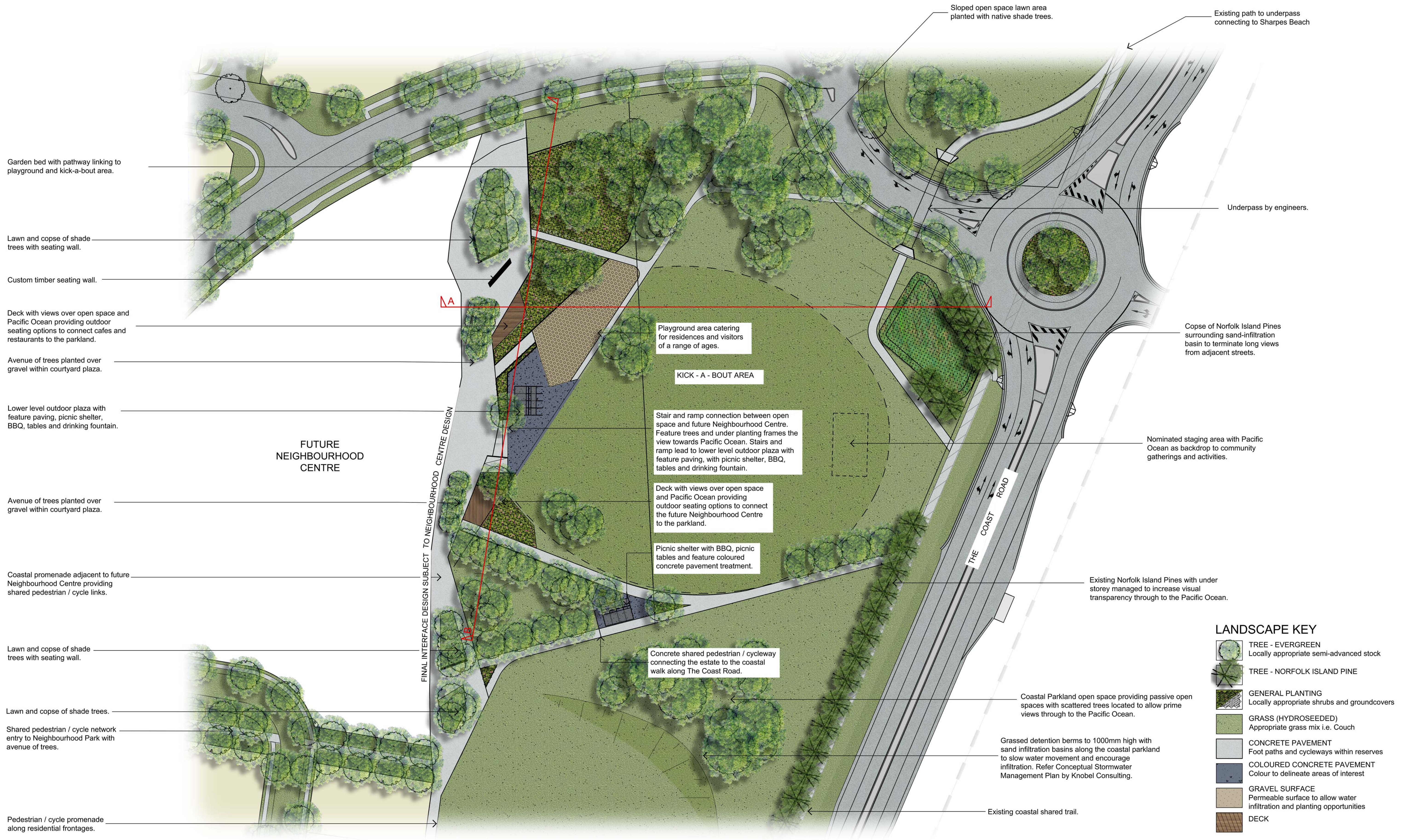
LANDSCAPE ARCHITECTURE | URBAN DESIGN | ENVIRONMENTAL PROJECT MANAGEMENT

Date July 2018

As Shown @ A1
Project No 1519 | MP02C



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PO BOX 1175 BYRON BAY NSW 2481
T: (02) 6694 3800
F: (02) 6695 4706
E: info@landsite.net.au

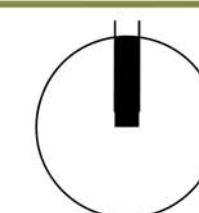


SKENNARS HEAD EXPANSION AREA NEIGHBOURHOOD PARK CONCEPT

LANDSCAPE ARCHITECTURE | URBAN DESIGN | ENVIRONMENTAL PROJECT MANAGEMENT

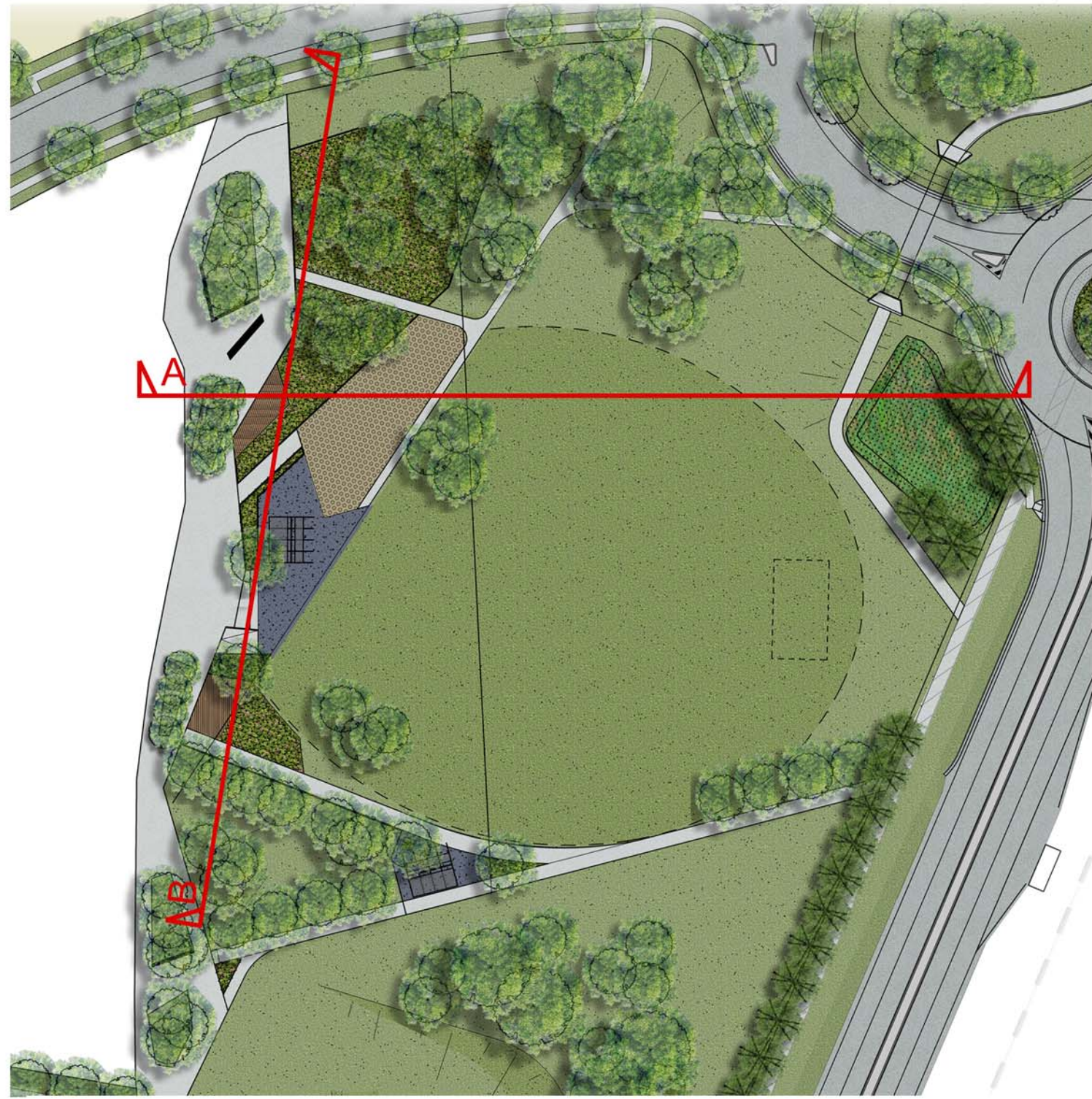
1:500 @ A1
1:1000 @ A3

0 5 10 20m

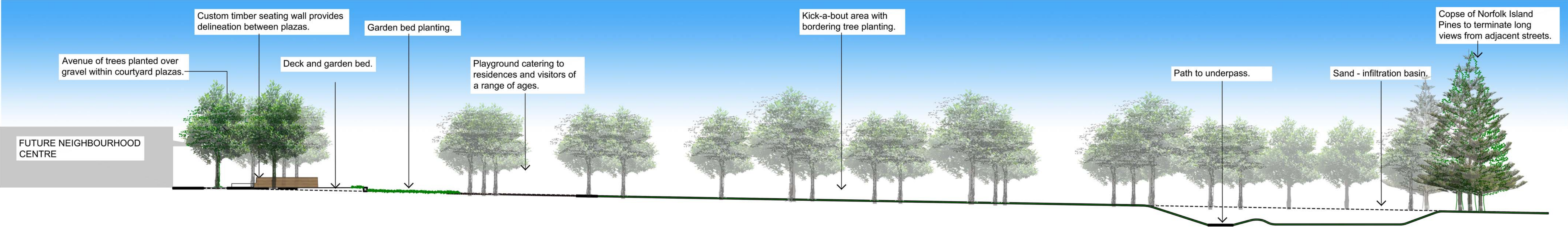


Date October 2017 | Project No 1519 | MP03A

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ABN: 45 108 257 971
PO BOX 1175 BYRON BAY NSW
2461
T: (02) 6694 3900
F: (02) 6685 4706
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SECTION LOCATION PLAN - 1:1000



NEIGHBOURHOOD PARK SECTION A - 1:250



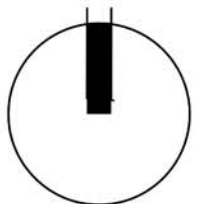
NEIGHBOURHOOD PARK SECTION B - 1:250

SKENNARS HEAD EXPANSION AREA NEIGHBOURHOOD PARK SECTIONS

LANDSCAPE ARCHITECTURE | URBAN DESIGN | ENVIRONMENTAL PROJECT MANAGEMENT

Scale as shown

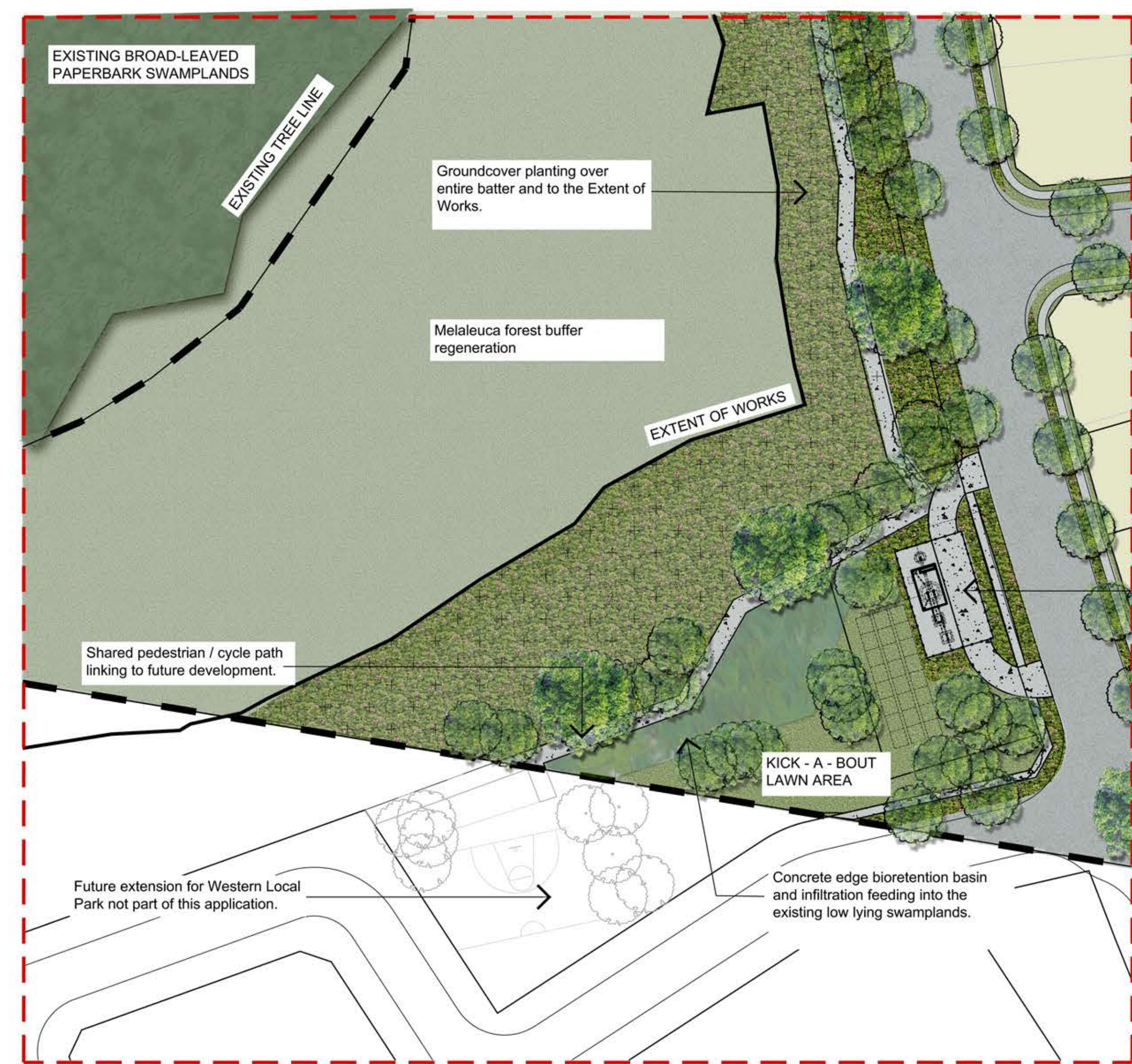
Date October 2017 | Project No 1519 | MP04/A



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ABN: 48 108 257 971
PO BOX 1175 BYRON BAY NSW
2481
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F: (02) 6695 4706
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WETLAND INTERFACE PLAN
Scale 1:1500 at A1

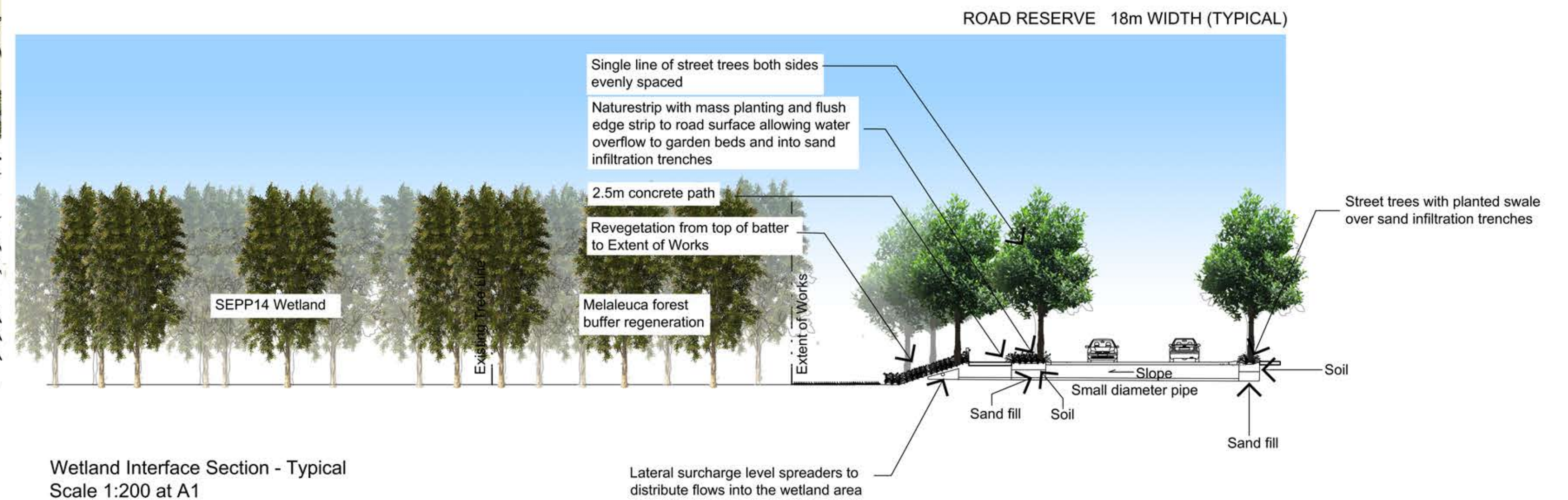


WESTERN LOCAL PARK
Scale 1:500 at A1

LANDSCAPE KEY

- TREE - EVERGREEN
Locally appropriate semi-advanced stock
- GRASS (HYDROSEEDING)
Appropriate grass mix i.e. Couch
- WETLAND
Broad-Leaved Paperbark Swamp
- PROPOSED LOTS
Refer to Urban Design
- PLANTING - Shrubs and Groundcovers along entire western batter to Extent of Works
- REVEGETATION - From Extent of Works to EEC
- MELALEUCA FOREST BUFFER REGENERATION

Sewer pump station with surrounding low groundcover and shrub planting. Ensure no tree canopies at maturity overhang pump station assets including the fenced area, manholes, valve pits, concrete slab, access driveway or emergency storage pipes.



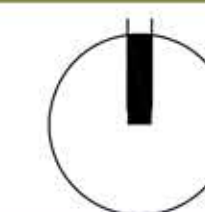
Wetland Interface Section - Typical
Scale 1:200 at A1

SKENNARS HEAD EXPANSION AREA WETLAND INTERFACE

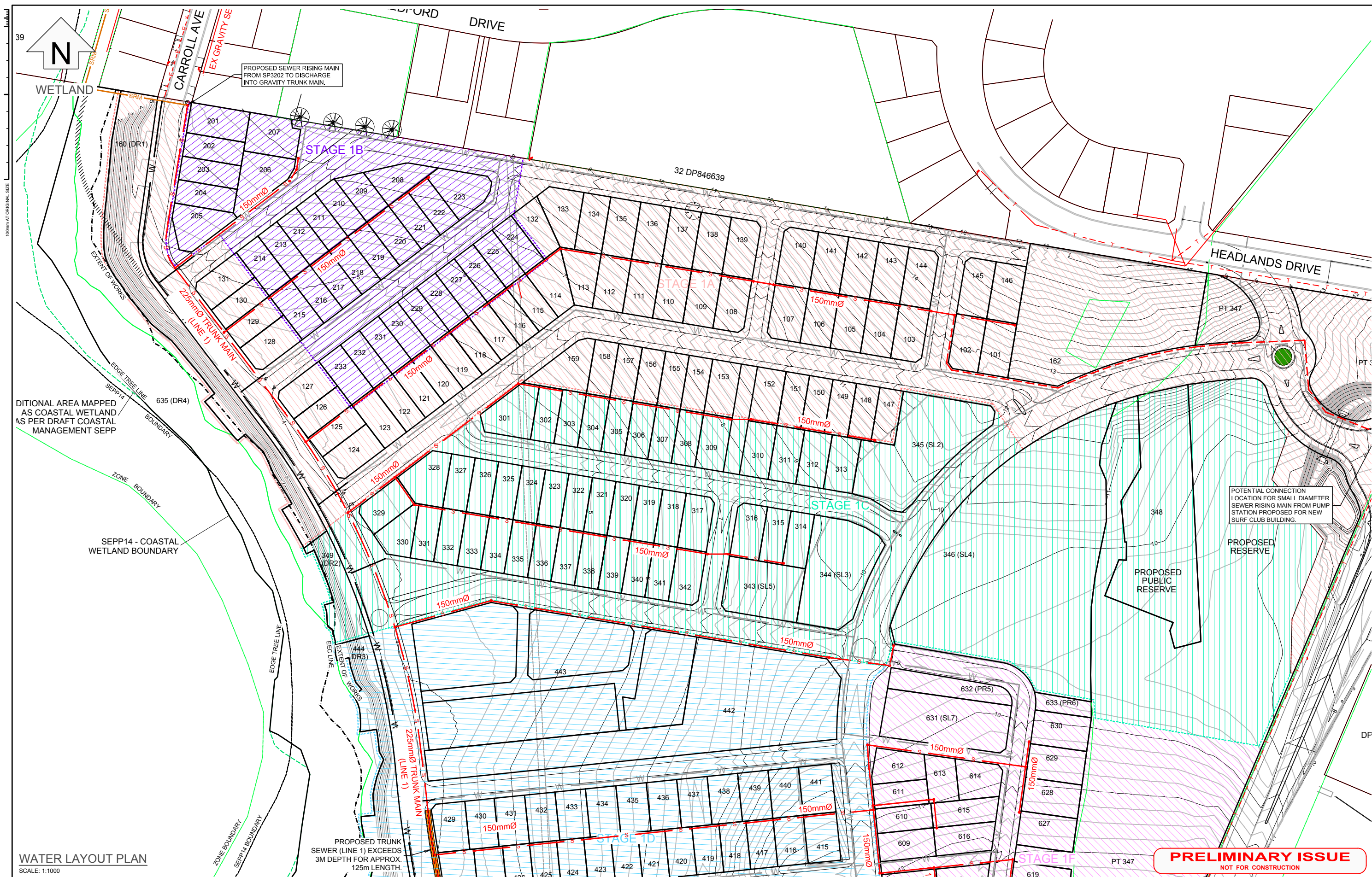
LANDSCAPE ARCHITECTURE | URBAN DESIGN | ENVIRONMENTAL PROJECT MANAGEMENT

Date July 2018

As shown @ A1
Project No 1519 | MP06C

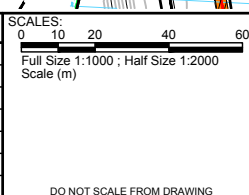


LANDSITE PTY LTD
ABN: 48 108 257 971
PO BOX 1175 BYRON BAY NSW
2481
T: (02) 6694 3800
F: (02) 6655 4706
E: info@landsite.net.au



WATER LAYOUT PLAN
SCALE: 1:1000

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APPROVED
A	ISSUED FOR INFORMATION	09.10.18	CW	CW	AW	-



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1 RYANS PLACE
PO BOX 112
GEELONG VIC 3220

TELEPHONE: 03 5229 7411
ABN: 20 099 261 711
EMAIL: administration@planitconsulting.com.au

CLIENT:

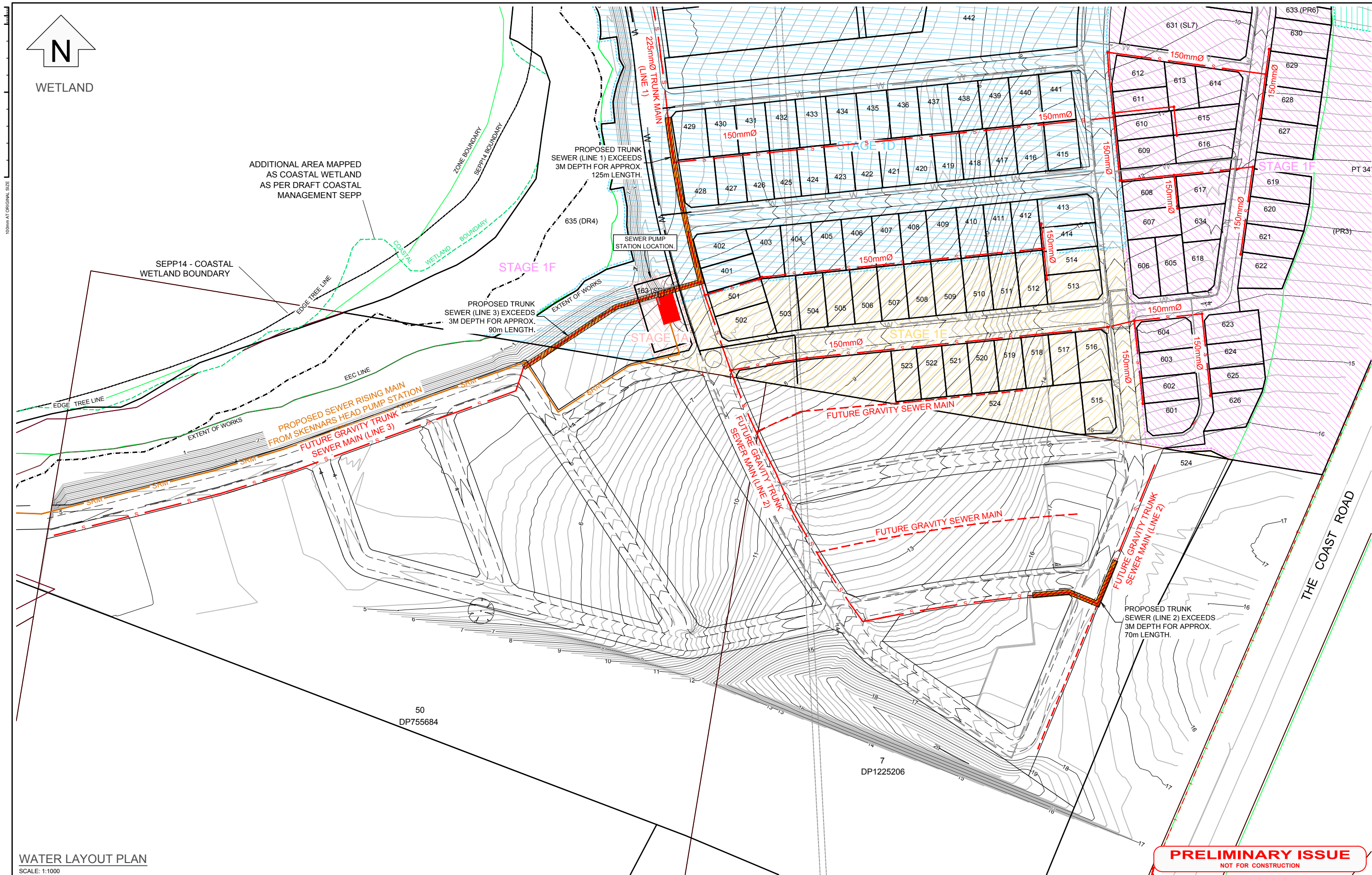
INTRAPAC PROPERTY

LOCAL GOVERNMENT AUTHORITY:
BALLINA SHIRE COUNCIL

PROJECT:
SKENNARS HEAD

DRAWING TITLE:
SEWER SERVICING - GRAVITY TRUNK SEWER DEPTHING LAYOUT SHEET 1 OF 2

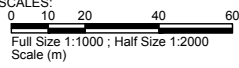
ORIGINAL SIZE: A1	PLANIT JOB No.: J122	DRAWING No.: 0111	REV: A
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WATER LAYOUT PLAN

SCALE: 1:1000

REV	DESCRIPTION	DATE	DRAWN	DESIGN	CHECK	APPROVED
A	ISSUED FOR INFORMATION	09.10.18	CW	CW	AW	-



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DESIGN BY: C.WELLS
APPROVED BY:
DATE:
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PO BOX 112
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CLIENT:
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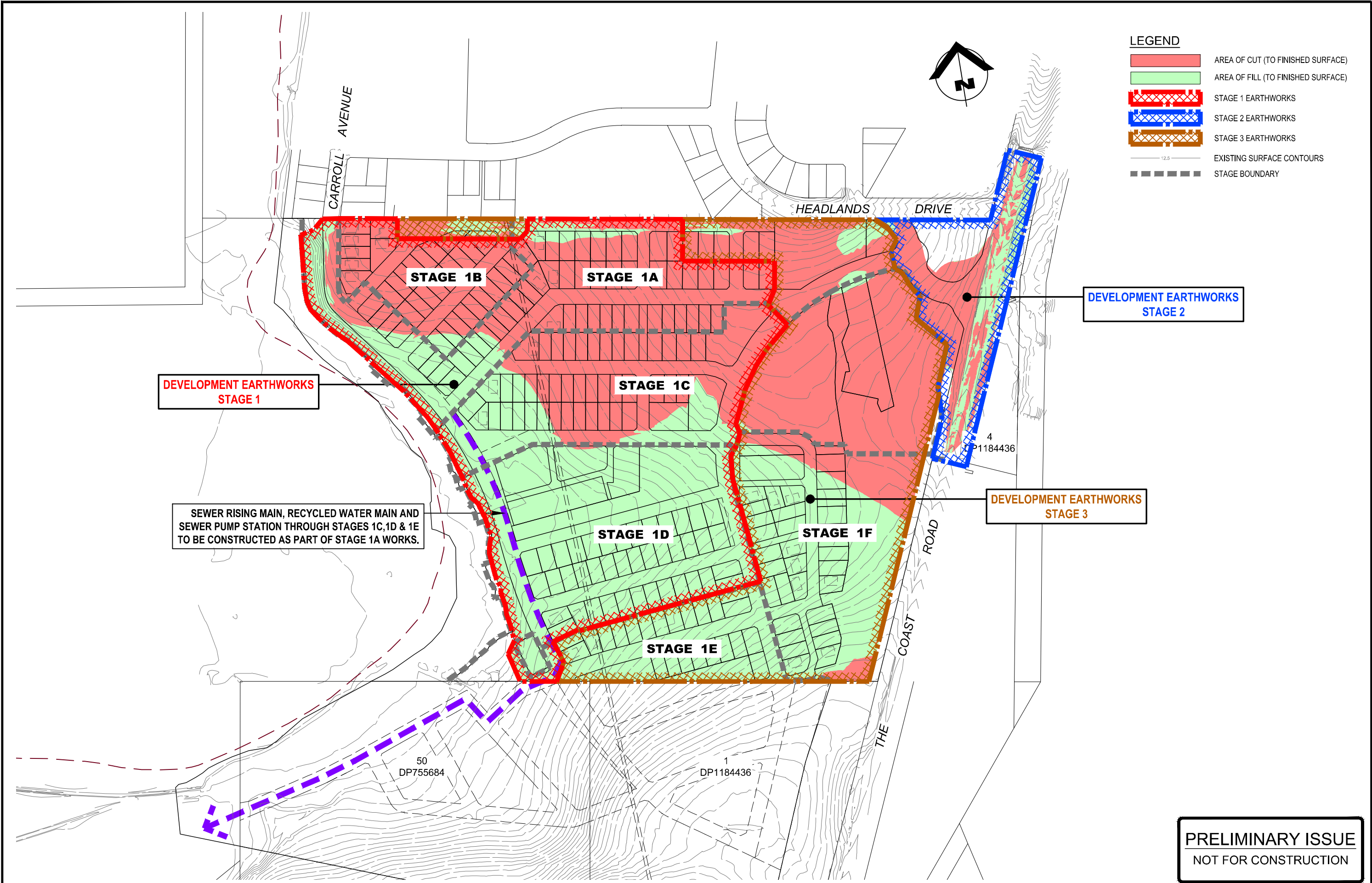
LOCAL GOVERNMENT AUTHORITY:
BALLINA SHIRE COUNCIL

PROJECT:
SKENNARS HEAD
DRAWING TITLE:
SEWER SERVICING - GRAVITY TRUNK SEWER DEPTING LAYOUT SHEET 2 OF 2

ORIGINAL SIZE: PLANIT JOB No.:
A1 J122
DRAWING No.:
0112
REV:
A

PRELIMINARY ISSUE
NOT FOR CONSTRUCTION

100mm AT ORIGINAL SIZE



LEGEND

AREA OF CUT (TO FINISHED SURFACE)

AREA OF FILL (TO FINISHED SURFACE)

STAGE 1 EARTHWORKS

STAGE 2 EARTHWORKS

STAGE 3 EARTHWORKS




12.5

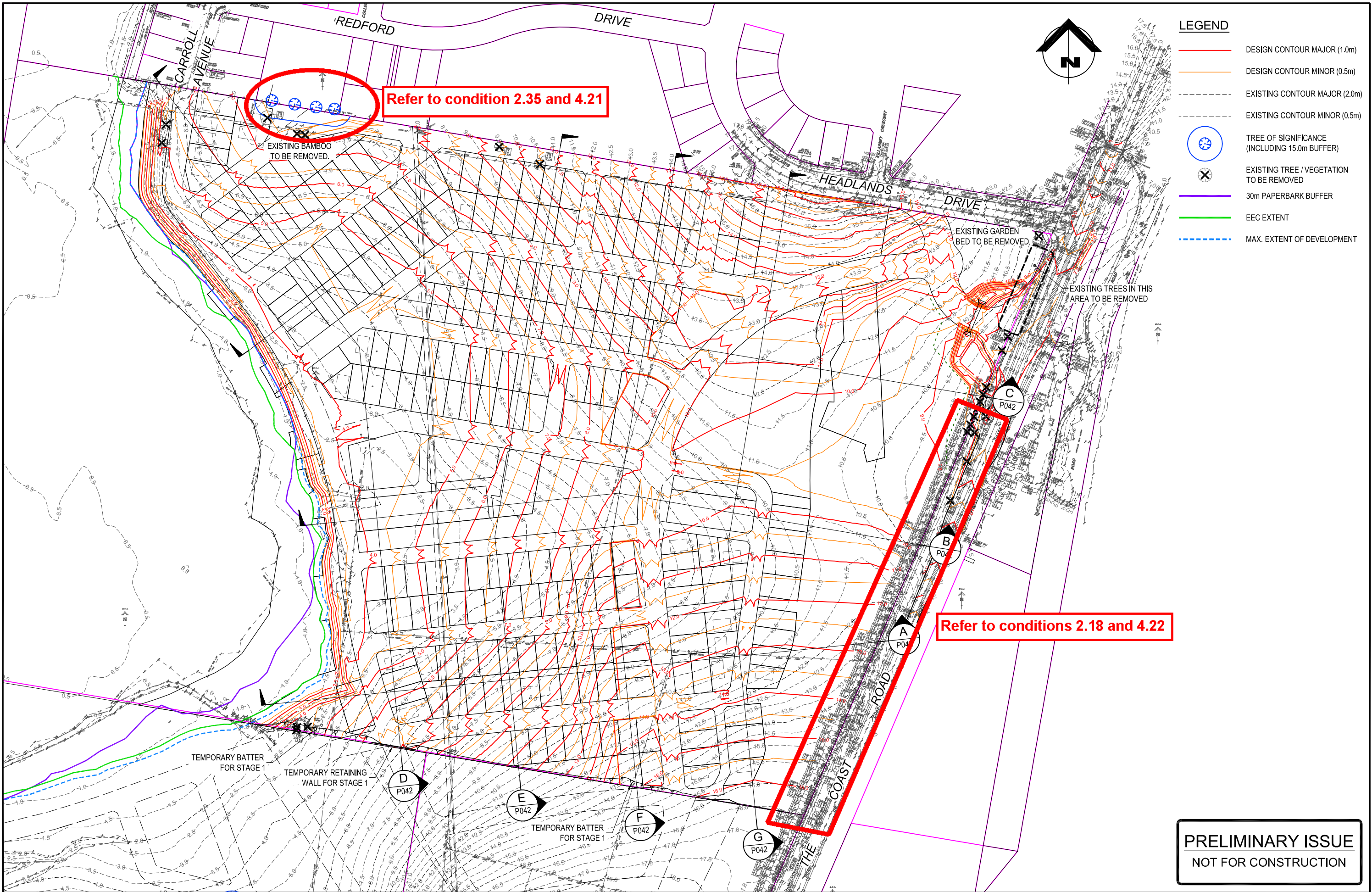
EXISTING SURFACE CONTOURS



STAGE BOUNDARY

PRELIMINARY ISSUE

NOT FOR CONSTRUCTION


			 KNOBEL CONSULTING CIVIL ENGINEERS + HYDRAULIC ENGINEERS + PROJECT MANAGERS Suite 4 - 155 Varsity Parade, PO Box 41, Varsity Lakes Q 4227 Varsity Lakes Q 4227 ABN: 33 071 435 202 T: 07 5580 9777 F: 07 5580 9133 W: www.knobelconsulting.com.au E: admin@knobelconsulting.com.au		 INTRAPAC PROPERTY	CLIENT INTRAPAC SKENNARS HEAD PTY LTD			DESIGN DR	DRAWN SS	APPROVED	TITLE EARTHWORKS STAGING PLAN		PROJECT NO. K3395	
D	28-06-18	ISSUED FOR REPORT				PROJECT SKENNARS HEAD VILLAGE LOT 6 IN DP1225206, THE COAST ROAD SKENNARS HEAD, NSW 2478								DWG NO.	ISSUE
C	31-10-17	ISSUED FOR REPORT							P049		D				
B	05-07-17	ISSUED FOR REPORT													
A	03-05-17	ISSUED FOR REPORT													
ISSUE No.	DATE	AMENDMENT							SCALE 1:2000 AT A1 1:4000 AT A3						




F	06-07-18	ISSUED FOR REPORT	 KNOBEL CONSULTING CIVIL ENGINEERS + HYDRAULIC ENGINEERS + PROJECT MANAGERS Suite 4 - 155 Varsity Parade, PO Box 41, Varsity Lakes Q 4227 Varsity Lakes Q 4227 ABN: 33 071 435 202 T: 07 5580 9777 F: 07 5580 9133 E: admin@knobelconsulting.com.au W: www.knobelconsulting.com.au	 INTRAPAC PROPERTY	CLIENT INTRAPAC SKENNARS HEAD PTY LTD	DESIGN DR	DRAWN DR	APPROVED	TITLE PRELIMINARY BULK EARTHWORKS PLAN	PROJECT NO. K3395	
E	31-10-17	ISSUED FOR REPORT			PROJECT SKENNARS HEAD VILLAGE LOT 6 IN DP1225206, THE COAST ROAD SKENNARS HEAD, NSW 2478	SCALE 1:1500 AT A1 0 50 100 150m 1:3000 AT A3				DWG NO. P014	ISSUE F
D	23-10-17	LOT LAYOUT AND CONTOURS AMENDED									
C	12-10-17	LOT LAYOUT AND CONTOURS AMENDED									
B	03-07-17	ISSUED FOR REPORT									
ISSUE No.	DATE	AMENDMENT									




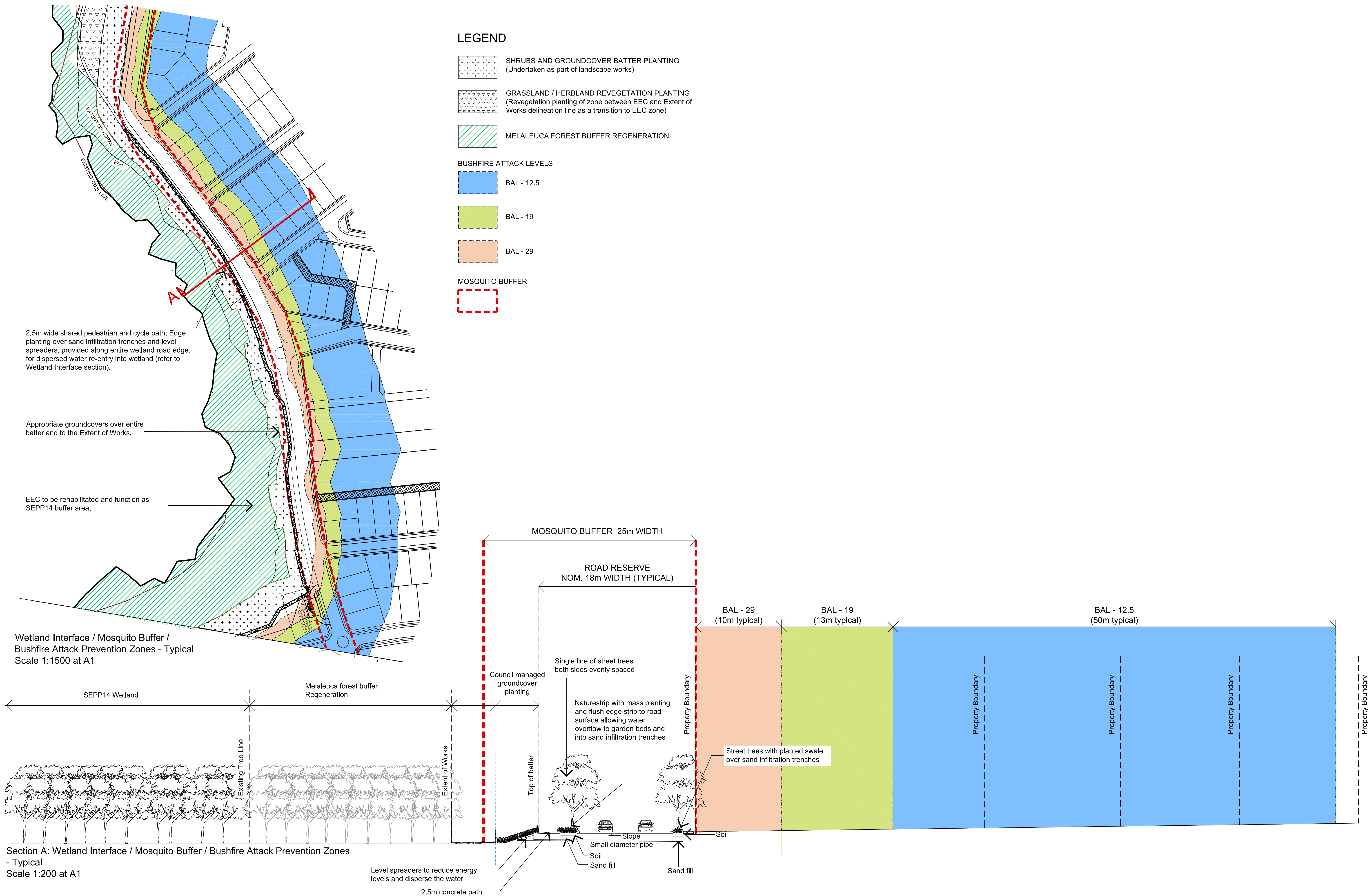
H	04-07-18	ISSUED FOR REPORT
G	31-10-17	ISSUED FOR REPORT
F	24-10-17	ROAD 04 & ROAD 07 REVISD
E	18-10-17	PATHWAY COORDINATION REVISIONS
D	13-10-17	COAST ROAD ROUNDABOUT INCORPORATED
ISSUE No.	DATE	AMENDMENT

**KNOBEL CONSULTING**
CIVIL ENGINEERS + HYDRAULIC ENGINEERS + PROJECT MANAGERS
Suite 4 - 155 Varsity Parade, PO Box 41, Varsity Lakes Q 4227
Varsity Lakes Q 4227 ABN: 33 071 435 202
T: 07 5580 9777 F: 07 5580 9133 W: www.knobelconsulting.com.au
E: admin@knobelconsulting.com.au

**INTRAPAC**
PROPERTY

CLIENT	INTRAPAC SKENNARS HEAD PTY LTD
DESIGN	DR
DRAWN	SS
APPROVED	
TITLE	PRELIMINARY ROADWORKS LAYOUT
PROJECT	SKENNARS HEAD VILLAGE LOT 6 IN DP1225206, THE COAST ROAD SKENNARS HEAD, NSW 2478

PROJECT NO.	K3395
DWG NO.	P024
ISSUE	H
SCALE	1:1500 AT A1 1:3000 AT A3
	

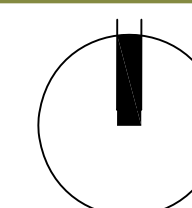


SKENNARS HEAD EXPANSION AREA WETLAND INTERFACE / MOSQUITO BUFFER / BUSHFIRE ATTACK LEVEL ZONES

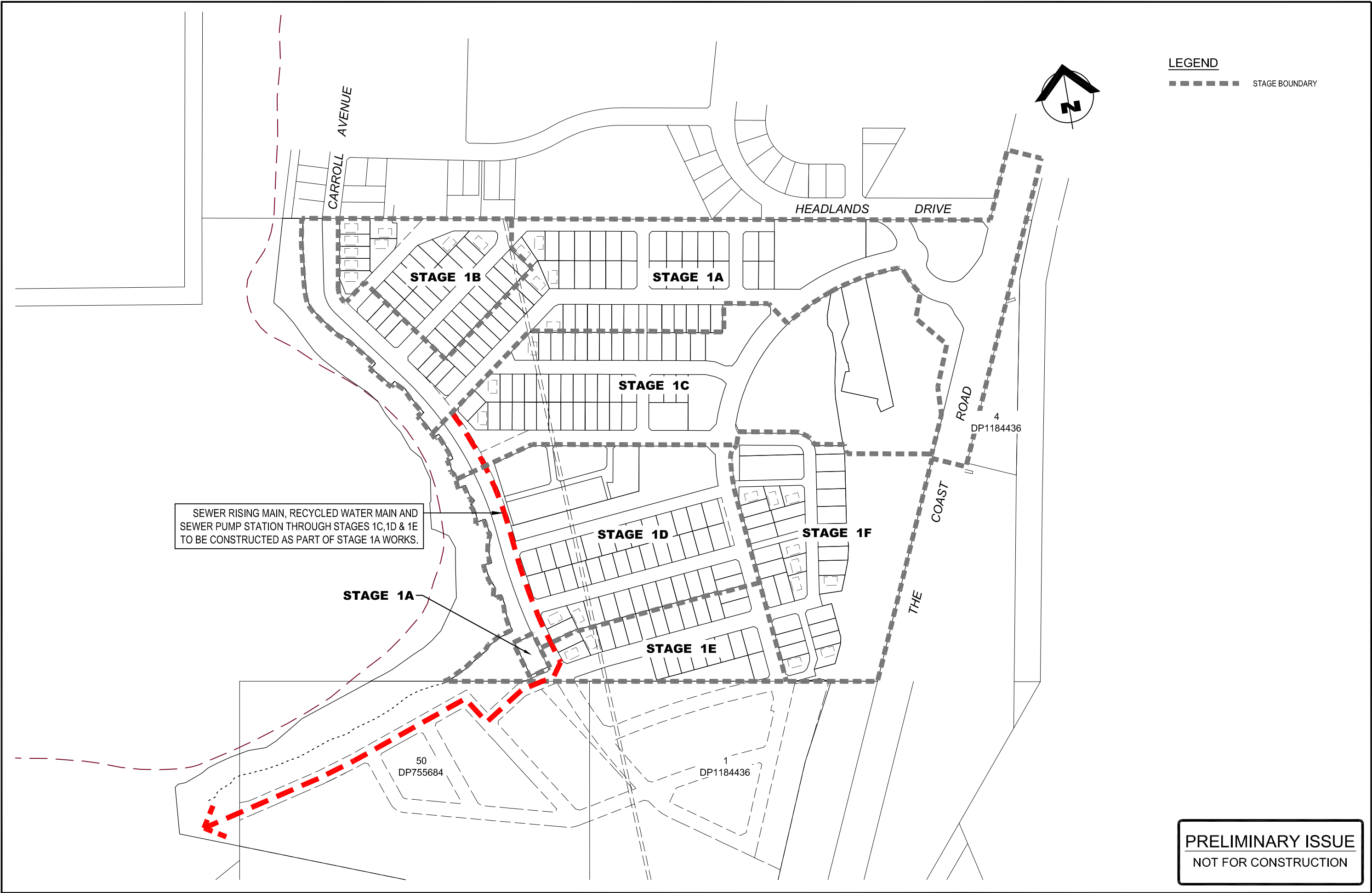
RESPONSE TO OEH RFI COMMENTS - ITEM 6 AND 8



Date June 2018

Project No 1519 | Rev C



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ABN: 48 108 257 971
PO BOX 1175 BYRON BAY NSW
2481
T: (02) 6694 3800
F: (02) 6655 4706
E: info@landsite.net.au



			<div>KNOBEL CONSULTING CIVIL ENGINEERS + HYDRAULIC ENGINEERS + PROJECT MANAGERS Suite 4 - 155 Varsity Parade, PO Box 41, Varsity Lakes Q 4227 Varsity Lakes Q 4227 ABN: 33 071 435 202 T: 07 5580 9777 F: 07 5580 9133 E: admin@knobelconsulting.com.au W: www.knobelconsulting.com.au</div>	<div>INTRAPAC PROPERTY</div>	CLIENT INTRAPAC SKENNARS HEAD PTY LTD			DESIGN DR	DRAWN SS	APPROVED	TITLE STAGING PLAN	PROJECT NO. K3395	
C	04-07-18	ISSUED FOR REPORT			PROJECT SKENNARS HEAD VILLAGE LOT 6 IN DP1225206, THE COAST ROAD SKENNARS HEAD, NSW 2478							DWG NO. P023	ISSUE C
B	31-10-17	ISSUED FOR REPORT											
A	03-05-17	ISSUED FOR REPORT											
ISSUE No.	DATE	AMENDMENT						SCALE 1:2000 AT A1 1:4000 AT A3		<div><div></div><div>050100150200m</div></div>			



LANDSCAPE KEY

- EXISTING TREE TO BE RETAINED
- EXISTING TREE TO BE REMOVED
- TREE ON COUNCIL LAND RECOMMENDED FOR REMOVAL (Seperate process to this application)
- TREE CODE Refer arborist report
- EXISTING ROAD PAVEMENT
- DESIGN CONTOURS (NEW)
- PROPOSED LOT BOUNDARIES
- APPLICATION BOUNDARY

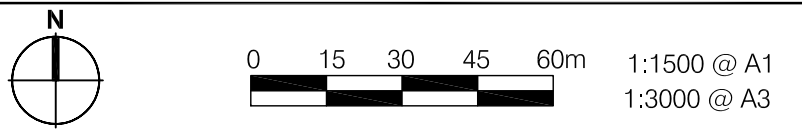
PRINT ISSUE		
14.09.17	CLIENT (INFORMATION)	ARBORIST (REVIEW)
19.09.17	CLIENT (INFORMATION) (REV A)	ARBORIST (REVIEW) (REV A)
08.11.18	CLIENT	COUNCIL (ASSESSMENT) (REV D)

D	08/11/18	Council RFI amendments
C	05/07/18	Base updated
B	25/10/17	Base updated to Revision L
A	19/09/17	Update to Moreton Bay Fig (Tree 'M')
REV	DATE	DESCRIPTION

INTRAPAC SKENNARS HEAD PTY LTD

SKENNARS HEAD COASTAL VILLAGE

TREE RETENTION / REMOVAL PLAN



Project No. 1519
Date: 06.09.17
Drawn by: JW
Checked: DT
Drawing No. SV01D



LANDSCAPE KEY

- EXISTING TREE TO BE RETAINED
- EXISTING TREE TO BE REMOVED
- TREE ON COUNCIL LAND RECOMMENDED FOR REMOVAL (Seperate process to this application)
- TREE CODE Refer Arborist Report
- ROAD BOUNDARY
- EXISTING ROAD PAVEMENT
- DESIGN CONTOURS (NEW)
- PROPOSED LOT BOUNDARIES
- APPLICATION BOUNDARY

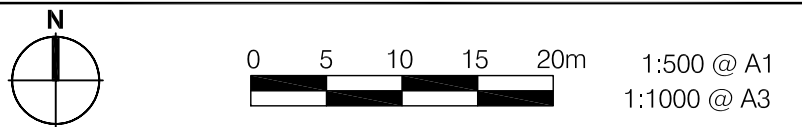
PRINT ISSUE		
12.09.17	CLIENT (INFORMATION)	ARBORIST (REVIEW)
14.09.17	CLIENT (INFORMATION) (REV A)	ARBORIST (REVIEW) (REV A)
08.11.18	CLIENT	COUNCIL (ASSESSMENT) (REV C)

REV	DATE	DESCRIPTION
C	08/11/18	Council RFI amendments
B	05/07/18	Base updated
A	19/09/17	Update to Moreton Bay Fig (Tree 'M')

INTRAPAC SKENNARS HEAD PTY LTD

SKENNARS HEAD COASTAL VILLAGE

TREE RETENTION / REMOVAL PLAN



Project No. 1519
Date: 06.09.17
Drawn by: JW
Checked: DT
Drawing No. SV03C

TREE CODE	TREE SPECIES	HEIGHT(M)	WIDTH(M)	DBH(MM)	TPZ(M-RADIUS)	HEALTH	FORM	COMMENTS	PROPOSED REMOVAL
1	Araucaria heterophylla	7.0	6.0	250	3.0	G	G	Notes required about the removal of the footpath	N
2	Araucaria heterophylla	4.5	4.0	150	2.0	G	P	Codominant/Remedial Prune / Within area of fill for road / roundabout construction	Y
3	Araucaria heterophylla	6.0	4.0	250	3.0	G	P	Codominant/Remedial Prune/ Within area of fill for road / roundabout construction	Y
4	Araucaria heterophylla	6.0	5.0	180	2.2	G	G	Within area of fill for road / roundabout construction	Y
5	Araucaria heterophylla	6.0	4.5	200	2.4	G	G	Within area of fill for road / roundabout construction	Y
6A	Araucaria heterophylla	3.0	3.0	100	2.0	F	G	Suppressed sapling / Within area of fill for road / roundabout construction	Y
6	Banksia integrifolia	7.0	5.0	250	6.1	G	G	Multi-stemmed / Within area of fill for road / roundabout construction	Y
				200				Within area of fill for road / roundabout construction	
				200				Within area of fill for road / roundabout construction	
				200				Within area of fill for road / roundabout construction	
				200				Within area of fill for road / roundabout construction	
7	Araucaria heterophylla	6.0	4.0	200	2.4	G	F	Remedial Prune / Within area of fill for road / roundabout construction	Y
8	Araucaria heterophylla	6.0	4.0	200	2.4	G	P	Multi-stemmed / tridominant / remedial prune / Within area of fill for road / roundabout construction	Y
9	Araucaria heterophylla	7.0	4.0	200	2.8	G	P	Multi-stemmed / Remedial Prune / Within area of fill for road / roundabout construction	Y
				125				Within area of fill for road / roundabout construction	
10	Araucaria heterophylla	5.0	3.0	150	2.0	G	F	Codominant / Remedial Prune / Within area of fill for road / roundabout construction	Y
11	Araucaria heterophylla	10.0	6.0	300	3.6	G	G	Within area of fill for road / roundabout construction	Y
12	Araucaria heterophylla	10.0	6.0	300	3.6	G	G	Within area of fill for road / roundabout construction	Y
13	Araucaria heterophylla	7.0	6.0	300	3.6	G	F	Codominant / Remedial Prune / Within area of fill for road / roundabout construction	Y
14	Araucaria heterophylla	7.0	6.0	300	3.6	F	G	Has dieback - Mulch and Water / Within area of fill for road / roundabout construction	Y
14B	Cupaniopsis anacardioides	4.0	5.0	100	2.0	F	P	Multi stemmed / Within area of fill for road / roundabout construction	Y
				50				Within area of fill for road / roundabout construction	
14C	Banksia integrifolia	5.0	2.0	100	2.0	F	P	Wound on stem / Within area of fill for road / roundabout construction	Y
15	Araucaria heterophylla	12.0	6.0	300	3.6	G	G	Within area of fill for road / roundabout construction	Y
16	Araucaria heterophylla	12.0	6.0	300	3.6	G	G		Y
17	Araucaria heterophylla	12.0	6.0	300	3.6	G	G		N
18	Araucaria heterophylla	10.0	6.0	300	3.6	G	P	Codominant / Remedial Prune	Y
19	Araucaria heterophylla	10.0	6.0	300	3.6	F	G	Has dieback - Mulch and Water	Y
20	Araucaria heterophylla	10.0	6.0	300	3.6	G	G		N
21	Araucaria heterophylla	10.0	6.0	300	3.6	G	G		N
21B	Cupaniopsis anacardioides	3.0	1.0	50	2.0	P	P		Y
21C	Cupaniopsis anacardioides	5.0	3.0	150	2.0	F	F		Y
22	Araucaria heterophylla	10.0	6.0	300	3.6	F	F	Gap between branches	Y
23	Araucaria heterophylla	10.0	6.0	300	3.6	G	G		N
24	Araucaria heterophylla	10.0	6.0	300	3.6	F	G	Self prune / competition from Tuckeroo (24b)	Y
24B	Cupaniopsis anacardioides	6.0	5.0	200	6.8	G	F	One-sided	Y
				50					
				75					
25	Araucaria heterophylla	10.0	6.0	300	3.6	G	G		N
26	Araucaria heterophylla	7.0	9.0	300	3.6	G	P	Lost Crown / Remedial Prune	Y
27	Araucaria heterophylla	7.0	8.0	300	3.6	G	G		N
28A	Cupaniopsis anacardioides	2.0	0.3	m/s	2.0	D	P	Multistem / Dead	Y
28	Araucaria heterophylla	7.0	6.0	250	3.0	G	G		N
28B	Cupaniopsis anacardioides	2.0	0.3	m/s	2.0	D	P	Multistem / Dead	Y
29	Araucaria heterophylla	9.0	8.0	350	4.2	G	F	Codominant / Remedial Prune	N
30	Araucaria heterophylla	9.0	8.0	350	4.2	G	F	Codominant / Remedial Prune	Y
31	Banksia integrifolia	7.0	6.0	250	3.0	G	G	Creating competition for Pine (32)	Y
32	Araucaria heterophylla	11.0	8.0	400	4.8	G	F	Self prune / competition from Banksia (31)	Y
32B	Cupaniopsis anacardioides	3.0	1.0	70	0.8	F	F		Y
33	Araucaria heterophylla	11.0	7.0	450	5.4	G	G		N
34	Araucaria heterophylla	10.0	7.0	400	4.8	G	G		N
35	Banksia integrifolia	6.0	6.0	250	3.0	G	G	Creating competition for Pine (36)	Y
36	Araucaria heterophylla	7.0	5.0	250	3.0	G	P	Codominant / Remedial Prune	Y
37	Araucaria heterophylla	8.0	5.0	300	3.6	G	G		N
37B	Cupaniopsis anacardioides	4.0	4.0	120	2.0	G	F	One sided	Y
38	Araucaria heterophylla	8.0	5.0	300	3.6	G	G		Y
39	Araucaria heterophylla	7.0	5.0	300	3.6	G	G		N
40A	Banksia integrifolia	3.0	3.0	m/s	2.0	F	F	Creating competition for Pine	Y
40	Araucaria heterophylla	11.0	8.0	450	5.4	G	P	Codominant near base - Tree may need removal later - consider removal now	Y
41	Araucaria heterophylla	11.0	8.0	450	5.4	G	G		N
42	Araucaria heterophylla	5.0	5.0	250	3.0	F	F	Bend in trunk	Y
43	Araucaria heterophylla	10.0	7.0	350	4.2	G	F	Codominant / Remedial Prune	Y
44	Banksia integrifolia	6.0	5.0	250	3.0	F	F	Planted directly beside pine - careful removal required	Y
45	Araucaria heterophylla	10.0	7.0	350	4.2	G	G		N
46	Araucaria heterophylla	8.0	6.0	300	3.6	G	G		N
47	Cupaniopsis anacardioides	6.0	6.0	220	2.9	G	F	Multi stemmed	Y
				100					
48	Araucaria heterophylla	9.0	7.0	300	3.6	G	G		N
49	Araucaria heterophylla	9.0	7.0	300	3.6	G	F	Codominant / Remedial Prune	Y
50	Banksia integrifolia	8.0	6.0	300	3.6	G	G		Y
51	Araucaria heterophylla	9.0	7.0	300	3.6	G	G		N
51B	Cupaniopsis anacardioides	4.0	2.0	70	2.0	G	F		Y
				90					
52	Araucaria heterophylla	7.0	7.0	250	3.0	G	G		Y
53	Araucaria heterophylla	6.0	6.0	250	3.0	G	G		N
54A	Cupaniopsis anacardioides	3.0	2.0	100	2.0	F	F		Y
54B	Cupaniopsis anacardioides	2.0	0.5	100	2.0	F	F		Y
54	Araucaria heterophylla	6.0	5.0	200	2.4	G	G		N

TREE CODE	TREE SPECIES	HEIGHT(M)	WIDTH(M)	DBH(MM)	TPZ(M-RADIUS)	HEALTH	FORM	COMMENTS	PROPOSED REMOVAL
54C	Banksia integrifolia							On council land - To maintain integrity of future view we recommend removal of Coastal Banksia	Y
55	Araucaria heterophylla	8.0	7.0	300	3.6	G	F		Y
55B	Araucaria heterophylla			150	2.0	D	P	Dead sapling	Y
56A	Cupaniopsis anacardioides	7.0	6.0	150	2.0	G	P	Multi stemmed	Y
				100	2.0				
56	Banksia integrifolia	7.0	7.0	300	2.0	G	G	Creating competition for Pine	Y
57	Araucaria heterophylla	8.0	7.0	300	3.6	G	G		N
57B	Cinnamomum camphora	-	-	-	-	-	-	Weed - creating competition for pines	Y
58A	Cupaniopsis anacardioides	-	-	-	-	-	-	On council land - To maintain integrity of future view we recommend removal of Coastal Banksia	Y
58	Araucaria heterophylla	6.0	5.0	200	2.4	G	F	Competing with Cinnamomum camphora (57B) and Cupaniopsis anacardioides (58A)	N
59	Araucaria heterophylla	6.0	5.0	200	2.4	F	F	Competing with Banksia integrifolia (60)	Y
59B	Araucaria heterophylla	-	-	150	2.0	D	P	Dead Pine	Y
60	Banksia integrifolia	-	-	-	-	-	-	On council land - To maintain integrity of future view we recommend removal of Coastal Banksia	Y
61	Cupaniopsis anacardioides	-	-	-	-	-	-	On council land - To maintain integrity of future view we recommend removal of Coastal Banksia	Y
62A	Banksia integrifolia	-	-	m/s	2.0	G	G	Creating competition for Pine	Y
62	Araucaria heterophylla	7.0	6.0	300	3.6	G	F	In competition with Cupaniopsis in council land (62b)	Y
62B	Cupaniopsis anacardioides	5.0	4.0	-	-	-	-	On council land - To maintain integrity of future view we recommend removal of Coastal Banksia	Y
63	Araucaria heterophylla	9.0	7.0	250	3.0	G	G	Also in competition with Cupaniopsis in council land (62b)	N
63B	Araucaria heterophylla	-	-	150	2.0	D	P	Dead sapling	Y
64	Banksia integrifolia	5.0	3.0	-	-	G	G	On council land	N
65	Araucaria heterophylla	9.0	7.0	250	3.0	G	G		N
65A	Cupaniopsis anacardioides	-	-	150	2.0	P	P	Dead	Y
65B	Cupaniopsis anacardioides	2.5	1.0	175	2.0	F	F		Y
66	Araucaria heterophylla	9.0	7.0	250	3.0	G	G		N
67	Araucaria heterophylla	6.0	6.0	300	3.6	G	G		Y
67A	Cupaniopsis anacardioides	3.0	1.0	60	2.0	F	F	Creating competition for Pine	Y
67B	Cupaniopsis anacardioides	3.0	1.0	60	2.0	F	F	Creating competition for Pine	Y
68	Araucaria heterophylla	7.0	6.0	250	3.0	G	G		N
68A	Cupaniopsis anacardioides	6.0	6.0	300	3.6	G	G	Creating competition for Pine	Y
68B	Cupaniopsis anacardioides	7.0	6.0	300	3.6	G	F	Creating competition for Pine	Y
69	Araucaria heterophylla	12.0	8.0	600	7.2	G	G		N
69A	Cupaniopsis anacardioides	2.5	2.0	60	2.0	F	F	Creating competition for Pine	Y
70A	Cupaniopsis anacardioides	-	-	-	2.0	D	P	Dead	Y
70B	Cupaniopsis anacardioides	2.5	2.0	60	2.0	F	F	Creating competition for Pine	Y
70	Araucaria heterophylla	10.0	6.0	300	3.6	G	G		N
71	Araucaria heterophylla	9.0	6.0	300	3.6	G	G		N
71B	Cupaniopsis anacardioides	8.0	7.0	300	3.6	G	G	Creating competition for Pine	Y
72	Araucaria heterophylla	10.0	8.0	450	5.4	G	G		N
73	Araucaria heterophylla	12.0	8.0	500	6.0	G	G		Y
74	Araucaria heterophylla	12.0	9.0	600	7.2	G	G		N
74B	Araucaria heterophylla	1.5	1.0	35	2.0	G	F	Sapling	Y
74C	Cupaniopsis anacardioides	3.0	1.0	60	2.0	F	P		Y
75A	Cupaniopsis anacardioides	5.0	2.0	140	2.0	G	F	Creating competition for Pine	Y
75B	Cupaniopsis anacardioides	5.0	2.0	100	2.0	F	P	Growing from base of pine (75) Remove with extra care	Y
75	Araucaria heterophylla	10.0	8.0	450	5.4	G	G		N

TREE CODE	TREE SPECIES	HEIGHT(M)	WIDTH(M)	DBH(MM)	TPZ(M-RADIUS)	COMMENTS	PROPOSED REMOVAL
A	Acacia community	-	-	-	-	Retain where possible - some loss may occur due to required raised boardwalk in this area	N
B	Cinnamomum camphora	10.0	10.0	600	7.2		Y
C	Cinnamomum camphora	10.0	10.0	600	7.2		Y
D	Araucaria heterophylla	18.0	19.0	1490	15.0	Tree in adjacent property. No cut or fill within TPZ. Provide best practice road construction methods to maintain tree integrity.	N
E	Araucaria heterophylla	18.0	20.0	1490	15.0	Tree in adjacent property. No cut or fill within TPZ. Provide best practice road construction methods to maintain tree integrity.	N
F	Araucaria heterophylla	18.0	18.0	1490	15.0	Tree in adjacent property. No cut or fill within TPZ. Provide best practice road construction methods to maintain tree integrity.	N
G	Araucaria heterophylla	18.0	16.0	1490	-	Tree is dead due to construction of house in adjacent property	N
H	Araucaria heterophylla	18.0	19.0	1000	12.0	Within area of cut	Y
I	Bambusa sp.	8.0	15.0	Various	15.0	Within area of cut / within proposed road alignment /invasive sp.	Y
J	Macaranga tanarius (x2)	3.0 and 4.0	4.0 and 3.0	100 and 200	2.0 and 2.4	Within proposed road alignment	Y
K	Erythrina sykesii	6.0	10.0	450	5.4	Within proposed road alignment	Y
L	Cupaniopsis anacardioides	8.0	8.0	400	4.8	Within proposed road alignment	Y
M	Ficus macrophylla	10.0	10.0	1000	12.0	Within proposed road alignment	Y
N	Neolitsea australiensis	8.0	6.0	300	3.6	Within area of fill	Y
O	Cupaniopsis anacardioides	6.0	8.0	300	3.6	Within area of fill	Y
P	Cinnamomum camphora	6.0	8.0	300	3.6	Invasive Species	Y
Q	Cupaniopsis anacardioides	3.0	2.0	100	2.0	Within fill area / Within proposed road alignment / Severe compaction of roots / stunted growth	Y

LEGEND

HEALTH	FREEDOM FROM PESTS, DISEASES, AILMENTS, STRESS - MEASURED AS EXCELLENT, GOOD, FAIR, POOR OR DEAD
EXCELLENT -	Better than usual for that species under normal conditions
GOOD -	Usual for that species given normal environmental conditions – full canopy with only minor deadwood, normal leaf size and extension growth, minimal pest or disease damage
FAIR -	Not nearly of ‘Good’ condition
POOR -	Indicating symptoms of extreme stress such as minimal foliage, or extensively damaged leaves from pests and diseases. Death probable if condition of tree deteriorates.
DEAD -	Cessation or near cessation of all metabolic processes

FORM THE SHAPE AND SYMMETRY OF THE TREE MEASURED AS GOOD, FAIR OR POOR

DBH DIAMETER OF TRUNK MEASURED AT 1.4M ABOVE GROUND HEIGHT

TPZ AN EXCLUSION AREA RADIUS MEASURED FROM THE CENTRE OF THE TRUNK AT GROUND LEVEL THAT ALLOWS FOR PROTECTION OF CANOPY AND ROOTS

63 NUMERAL TREE CODE FOR TREES ALONG THE EASTERN SITE BOUNDARY

A ALPHABETICAL TREE CODE FOR TREES THROUGHOUT THE REMAINDER OF THE PROJECT SITE

PRINT ISSUE		
14.09.17	CLIENT (INFORMATION)	
	ARBORIST (REVIEW)	
19.09.17	CLIENT (INFORMATION) (REV A)	
	ARBORIST (REVIEW) (REV A)	
01.11.17	CLIENT (INFORMATION) (REV B)	
08.11.18	CLIENT	
	COUNCIL (ASSESSMENT) (REV C)	

	08/11/18	Council RFI amendments
B	01/11/17	Arborist co-ordination
A	19/09/17	Update to Moreton Bay Fig (Tree 'M')

REV	DATE	DESCRIPTION
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INTRAPAC SKENNARS HEAD PTY LTD

SKENNARS HEAD COASTAL VILLAGE

TREE RETENTION / REMOVAL PLAN TABLE