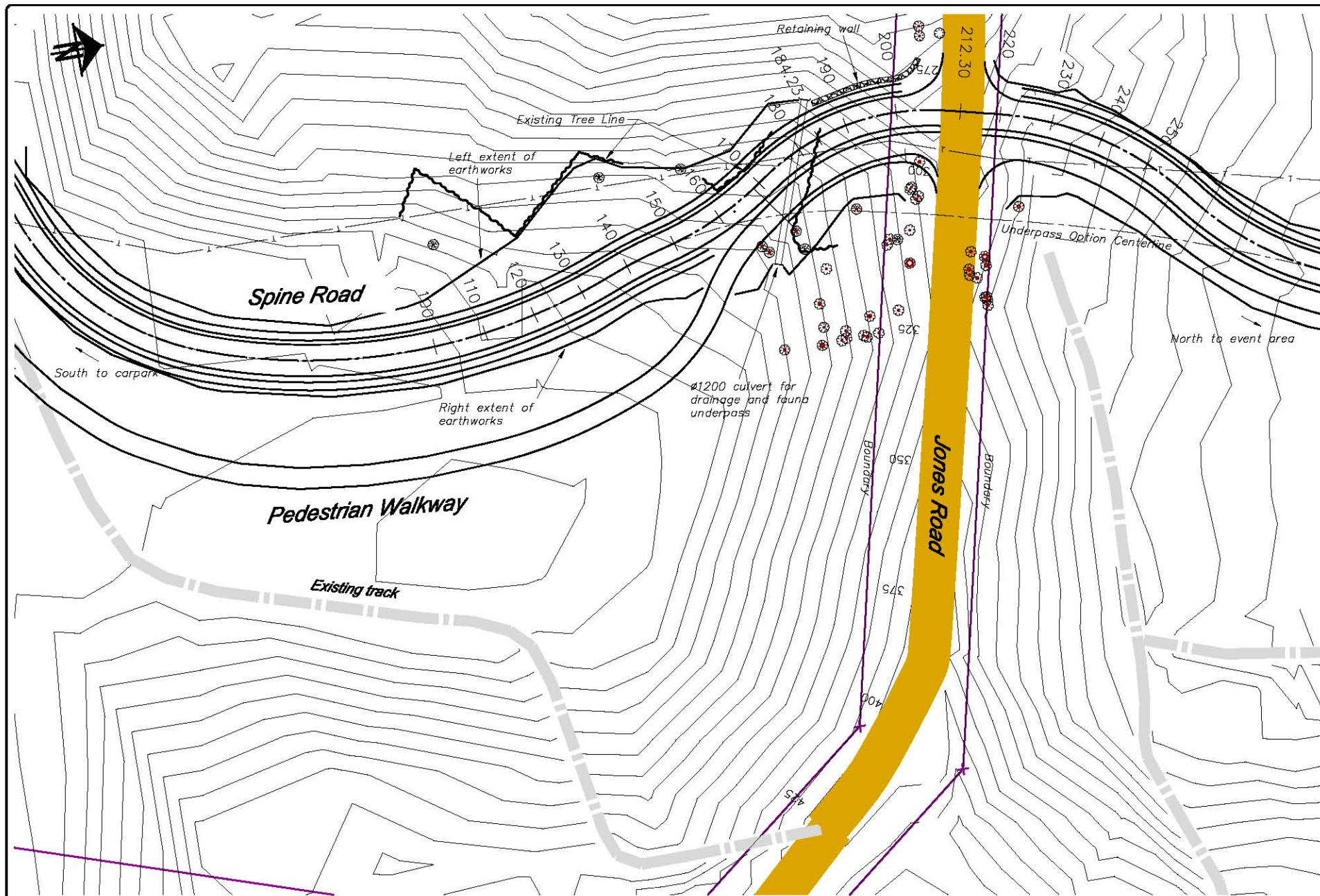
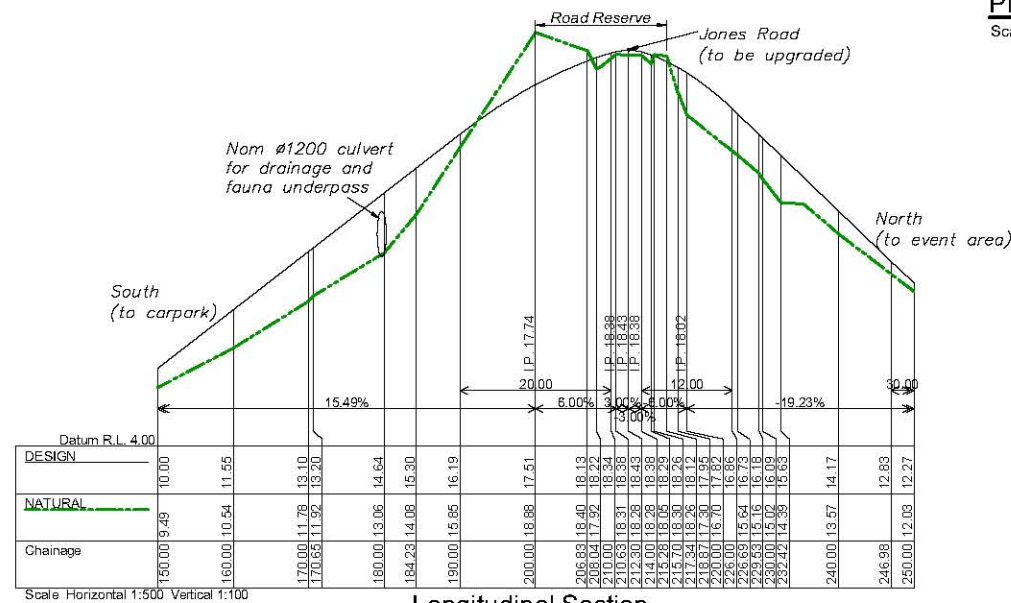




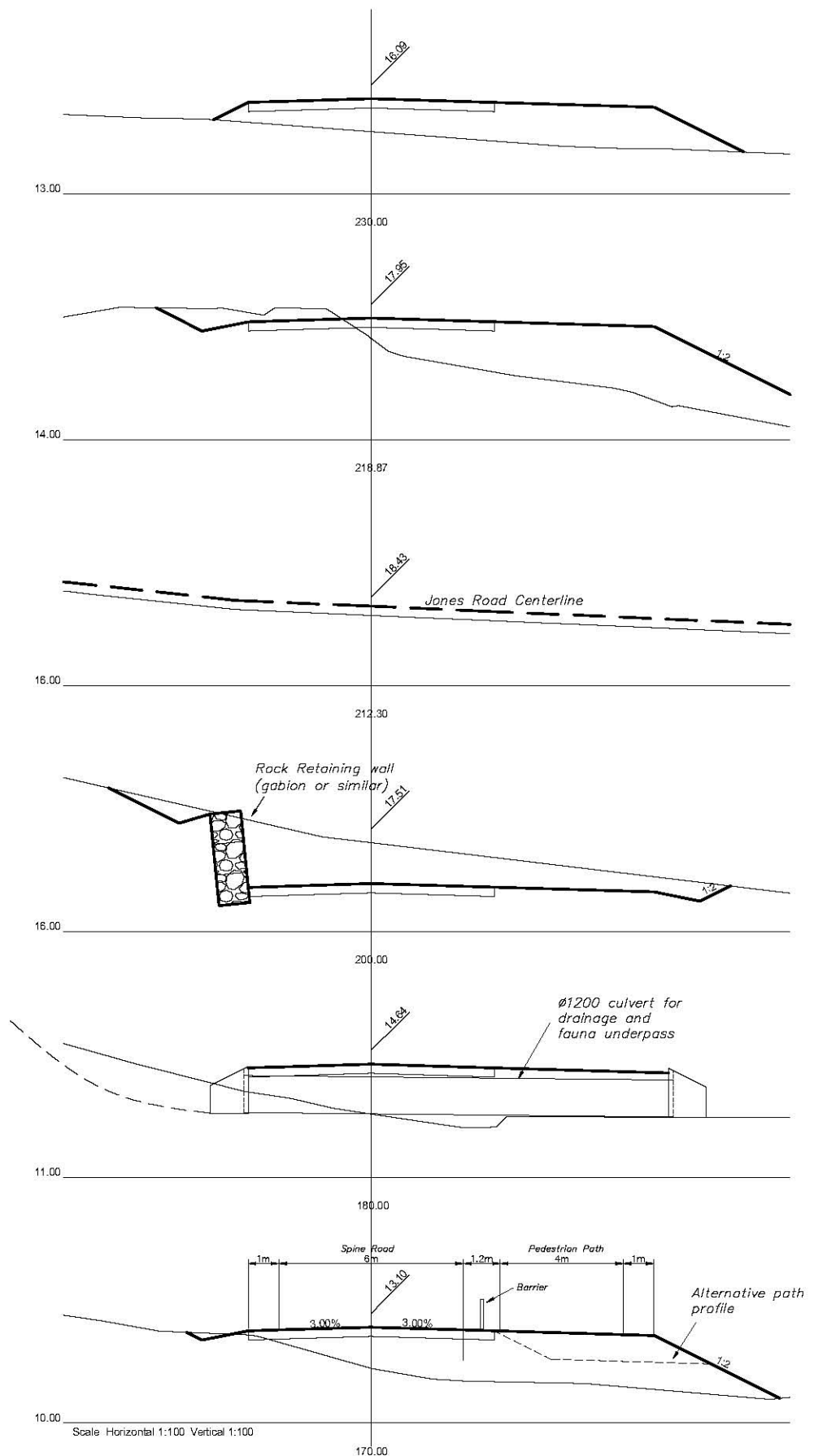
Plan
Scale 1:500

Notes

Natural surface contours are computer interpolated from Surveyors electronic field data.
Notwithstanding the limits of earthworks shown on the drawings, the actual limits shall be confirmed on site by the Contractor.
Prior to commencement of construction, the Contractor shall ascertain the location and level of existing services to his satisfaction. Services shown on plans are taken from Surveyors field notes only and may not necessarily indicate all services within the works area.
Notwithstanding the extent of the works shown on the drawings the Contractor shall undertake all necessary construction required to enable finished works to comply with the intent of the drawings and the requirements of the local authorities subdivision code.
These drawings are diagrammatic only and are intended to indicate design in accordance with the relevant Australian Standards. They do not relieve the Contractor from his responsibility to comply with these requirements, even if drawings are approved by the local authority.



Longitudinal Section



Cross Sections

Issue	Date	Amendment	App'd

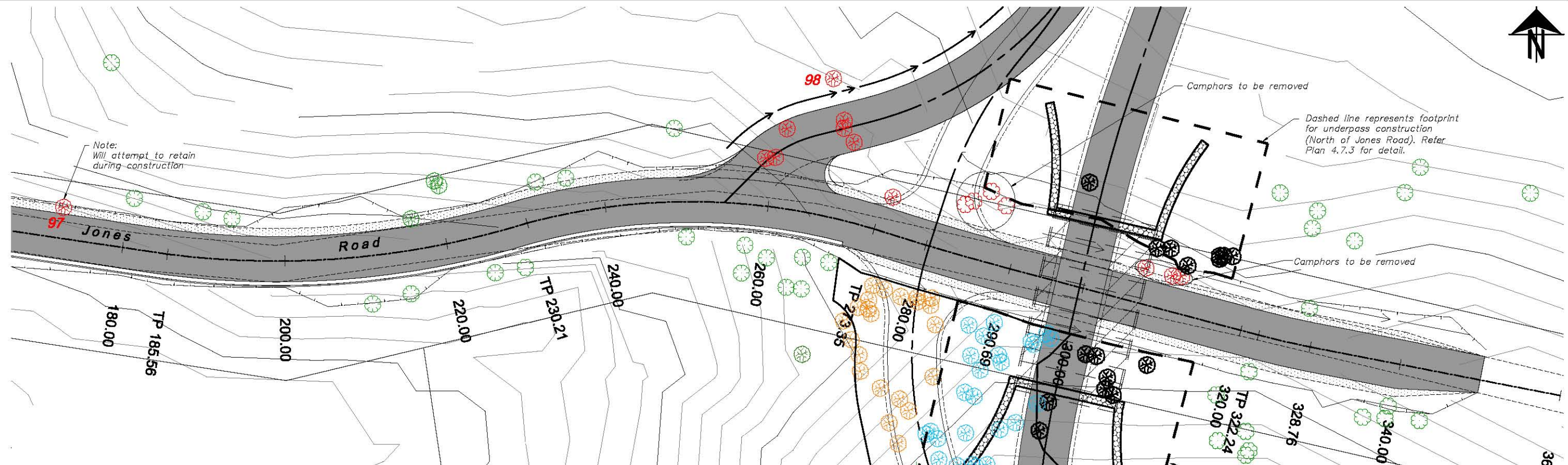
Client:	Billinudgel Property Trust
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Project:	North Byron Parklands Tweed Valley Way & Jones Road Wooyung
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Title:	Spine Road At-Grade Alternative Route
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ARDILL PAYNE & PARTNERS CONSULTING CIVIL AND STRUCTURAL ENGINEERS PROJECT MANAGERS TOWN PLANNERS AND SURVEYORS 79 Tamar Street P.O. Box 20 BALLINA NSW 2478 A.B.N. 113 861 522 12	Telephone: 02 6686 3280 Facsimile: 02 6686 7920 e-mail: info@ardillpayne.com.au Website: www.ardillpayne.com.au
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Design	TC	Scale at A1	as shown
Drawn	TC	Datum	AHD
Date	June 2010	Filename	6883 SpineRd at grade
Checked		Approved	
Job No.	6883	Dwg. No.	DA15
Issue			



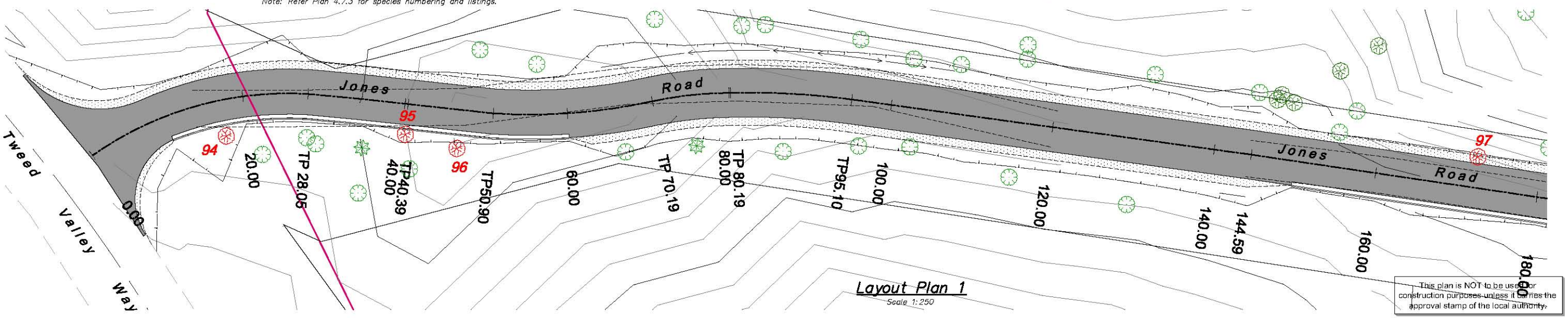
Legend

- Existing trees, to be retained
- Trees to be removed for Jones Road and Gate S construction
- Additional trees to be removed for Underpass construction
- Additional trees to be removed for 'At Grade Access' construction
- Additional trees to be removed for either 'At Grade Access' or Underpass construction

Common Name	Scientific Name	No. to be Removed
Brown Kurrajong	Commersonia bartramia	1
Brush Ironbark Wattle	Acacia dispersa	6
Camphor Laurel*	Cinnamomum camphora	41
Celerywood	Polyscias elegans	1
Cheese Tree	Glochidion ferdinandi	2
Creek Lilly-Pilly	Acmena smithii	5
Forest Oak	Alibatesuarina tarulosa	2
Guinea	Guinea semiglauc	8
Pink Euodia	Melicope elleryana	6
Red Ash	Alphitonia excelsa	1
Rough Tree Fern	Cyathea australis	1
Sally Wattle	Acacia melanoxylon	1
Scentless Rosewood	Syncaum glandulosum	1
Scrub Turpentine	Rhodamnia rubescens	2
Species Unknown	stag /stump	1
Sweet Pittosporum	Pittosporum undulatum	6
Tallowood	Eucalyptus microcorys	1
Umbrella Cheese Tree	Glochidion sumatranum	6
Willow Bottlebrush	Callistemon salignus	5

Note: Refer Plan 4.7.3 for species numbering and listings.

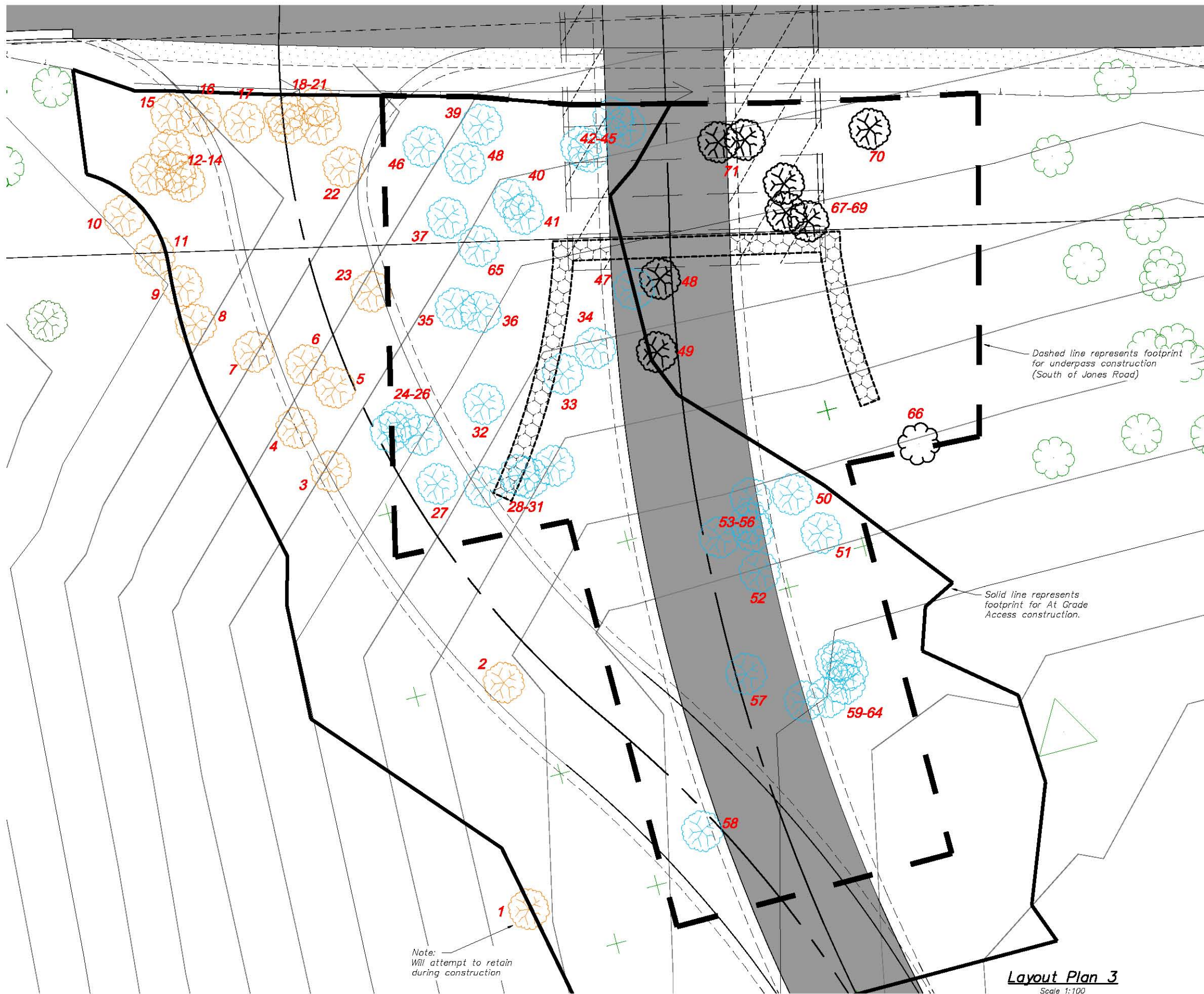
Layout Plan 2
Scale 1:250



Layout Plan 1
Scale 1:250

This plan is NOT to be used for construction purposes unless it carries the approval stamp of the local authority.

Issue	Date	Amendment	App'd	Client: Billinudgel Property Trust	Project: North Byron Parklands Tweed Valley Way & Jones Road Wooyung	Title: Plan 4.7.1 Tree Removal Plan	ARDILL PAYNE & PARTNERS CONSULTING CIVIL AND STRUCTURAL ENGINEERS PROJECT MANAGERS TOWN PLANNERS AND SURVEYORS 79 Tamar Street P.O. Box 20 BALLINA NSW 2478 A.B.N. 113 881 522 12 Telephone: 02 9888 3280 Facsimile: 02 9888 7920 e-mail: info@ardillpayne.com.au Website: www.ardillpayne.com.au	Design RB Drawn RB Checked Approved Job No. 6883 Dwg. No. Plan 4.7.1	Scale at A1 As Shown Datum AHD Acad file 6883-Tree Removal.dwg Coad file 6883-DS.cxx Date Aug 2010	44
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Legend

- Existing trees, to be retained
- Trees to be removed for Jones Road and Gate 5 construction
- Additional trees to be removed for Underpass construction
- Additional trees to be removed for 'At Grade Access' construction
- Additional trees to be removed for either 'At Grade Access' or Underpass construction

Layout Plan 3
Scale 1:100

This plan is NOT to be used for construction purposes unless it carries the approval stamp of the local authority.

Issue	Date	Amendment	App'd

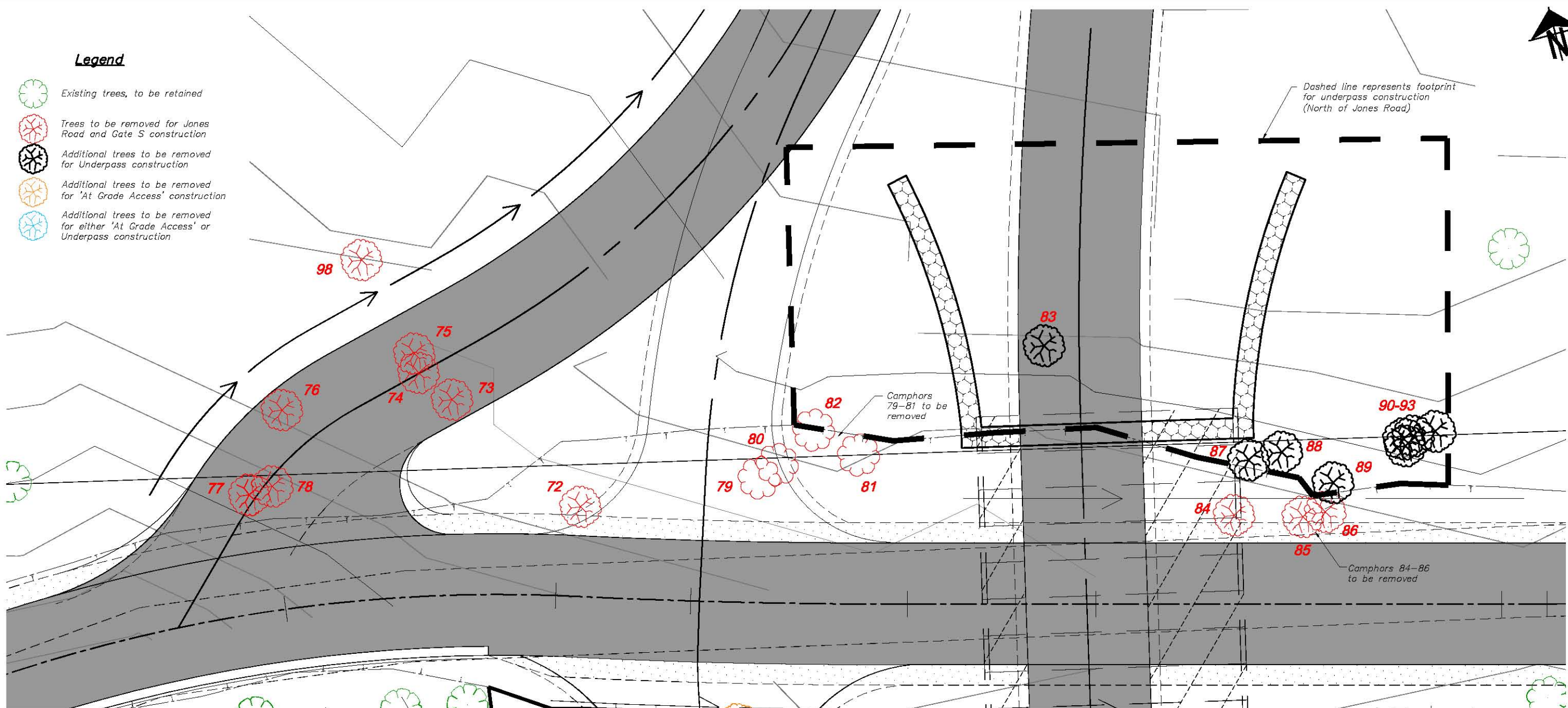
Client:	Billinudgel Property Trust
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Project:	North Byron Parklands Tweed Valley Way & Jones Road Wooyung
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Title:	Plan 4.7 Tree Removal Plan
Do not scale drawing. Use written dimensions only. This plan is copyright © All rights reserved.	

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Design	RB	Scale at A1	As Shown	Date	Aug 2010
Drawn	RB	Datum	AHD		
Checked		Acad file	6883-Tree Removal.dwg		
Approved		Cad file	6883-DS.crx		
Job No.	6883	Dwg. No.	Plan 4.7.2	45	



Layout Plan 4
Scale 1:100

Tree Removal Register					
Tree No.	Common Name	DBH	Stems	Count	Design Element
1	Sweet Pittosporum	25	1	1	At Grade
2	Brown Kurrajong	25	1	1	At Grade
3	Camphor Laurel*	14	1	1	At Grade
4	Camphor Laurel*	21	1	1	At Grade
5	Sweet Pittosporum	18	1	1	At Grade
6	Creek Lilly-pilly	22	2	1	At Grade
7	Guilao	12	1	1	At Grade
8	Brush Ironbark Wattle	60	2	1	At Grade
9	Willow Bottlebrush	5	1	1	At Grade
10	Willow Bottlebrush	30	1	1	At Grade
11	Brush Ironbark Wattle	9	1	1	At Grade
12	Brush Ironbark Wattle	45	1	1	At Grade
13	Willow Bottlebrush	24	1	1	At Grade
14	Sweet Pittosporum	25	4	1	At Grade
15	Brush Ironbark Wattle	35	1	1	At Grade
16	Camphor Laurel*	50	1	1	At Grade
17	Camphor Laurel*	65	1	1	At Grade
18	Camphor Laurel*	30	1	1	At Grade
19	Camphor Laurel*	30	2	1	At Grade
20	Camphor Laurel*	38	1	1	At Grade
21	Willow Bottlebrush	50	1	1	At Grade
22	Brush Ironbark Wattle	35	1	1	At Grade
23	Cheese Tree	19	1	1	At Grade & Underpass
24	Creek Lilly-pilly	7	1	1	At Grade & Underpass
25	Creek Lilly-pilly	10	1	1	At Grade & Underpass

Tree Removal Register					
Tree No.	Common Name	DBH	Stems	Count	Design Element
26	Camphor Laurel*	33	1	1	At Grade & Underpass
27	Camphor Laurel*	9	1	1	At Grade & Underpass
28	Camphor Laurel*	16	1	1	At Grade & Underpass
29	Camphor Laurel*	12	1	1	At Grade & Underpass
30	Camphor Laurel*	9	1	1	At Grade & Underpass
31	Camphor Laurel*	24	2	1	At Grade & Underpass
32	Creek Lilly-pilly	125	9	1	At Grade & Underpass
33	Sweet Pittosporum	16	1	1	At Grade & Underpass
34	Guilao	20	1	1	At Grade & Underpass
35	Creek Lilly-pilly	95	8	1	At Grade & Underpass
36	Guilao	12	2	1	At Grade & Underpass
37	Camphor Laurel*	16	2	1	At Grade & Underpass
38	Scrub Turpentine	22	1	1	At Grade & Underpass
39	Umbrella Cheese Tree	45	1	1	At Grade & Underpass
40	Guilao	20	1	1	At Grade & Underpass
41	Camphor Laurel*	28	4	1	At Grade & Underpass
42	Camphor Laurel*	80	2	1	At Grade & Underpass
43	Brush Ironbark Wattle	22	1	1	At Grade & Underpass
44	Scrub Turpentine	18	1	1	At Grade & Underpass
45	Guilao	16	1	1	At Grade & Underpass
46	Celerywood	13	1	1	At Grade & Underpass
47	Camphor Laurel*	15	1	1	At Grade & Underpass
48	Guilao	10	1	1	Underpass
49	Scentless Rosewood	18	1	1	At Grade & Underpass
50	Pink Euodia	18	1	1	At Grade & Underpass

Tree Removal Register					
Tree No.	Common Name	DBH	Stems	Count	Design Element
51	Pink Euodia	28	1	1	At Grade & Underpass
52	Pink Euodia	20	1	1	At Grade & Underpass
53	Umbrella Cheese Tree	17	1	1	At Grade & Underpass
54	Camphor Laurel*	20	2	1	At Grade & Underpass
55	Sweet Pittosporum	14	1	1	At Grade & Underpass
56	Guilao	14	2	1	At Grade & Underpass
57	Pink Euodia	32	1	1	At Grade & Underpass
58	Umbrella Cheese Tree	32	2	1	At Grade & Underpass
59	Camphor Laurel*	16	1	1	At Grade & Underpass
60	Pink Euodia	22	1	1	At Grade & Underpass
61	Camphor Laurel*	16	1	1	At Grade & Underpass
62	Sally Wattle	43	1	1	At Grade & Underpass
63	Camphor Laurel*	19	3	1	At Grade & Underpass
64	Pink Euodia	9	1	1	At Grade & Underpass
65	Rough Tree Fern	13	1	1	At Grade & Underpass
66	Cheese Tree	32	1	1	Underpass
67	Guilao	22	1	1	Underpass
68	Umbrella Cheese Tree	17	1	1	Underpass
69	Camphor Laurel*	16	2	1	Underpass
70	Camphor Laurel*	320	2	1	Underpass
71	Camphor Laurel*	32	2	1	Underpass
72	Willow Bottlebrush	22	1	1	Gate S & Road Widening
73	Umbrella Cheese Tree	18	1	1	Gate S & Road Widening
74	Camphor Laurel*	30	2	1	Gate S & Road Widening
75	Sweet Pittosporum	16	1	1	Gate S & Road Widening

Tree Removal Register					
Tree No.	Common Name	DBH	Stems	Count	Design Element
76	Camphor Laurel*	30	2	1	Gate S & Road Widening
77	Red Ash	25	1	1	Gate S & Road Widening
78	Camphor Laurel*	60	2	1	Gate S & Road Widening
79	Camphor Laurel*	62	4	1	Gate S & Road Widening
80	Camphor Laurel*	60	2	1	Gate S & Road Widening
81	Camphor Laurel*	35	1	1	Gate S & Road Widening
82	Camphor Laurel*	35	12	1	Gate S & Road Widening
83	Umbrella Cheese Tree	65	2	1	Gate S & Road Widening
84	Camphor Laurel*	90	1	1	Gate S & Road Widening
85	Camphor Laurel*	85	2	1	Gate S & Road Widening
86	Camphor Laurel*	45	1	1	Gate S & Road Widening
87	Camphor Laurel*	240	5	1	Gate S & Road Widening
88	Camphor Laurel*	90	2	1	Gate S & Road Widening
89	Camphor Laurel*	140	4	1	Gate S & Road Widening
90	Camphor Laurel*	200	4	1	Gate S & Road Widening
91	Camphor Laurel*	28	1	1	Gate S & Road Widening
92	Camphor Laurel*	30	2	1	Gate S & Road Widening
93	Camphor Laurel*	15	1	1	Gate S & Road Widening
94	Tallowood	45	2	1	Gate S & Road Widening
95	Forest Oak	35	1	1	Gate S & Road Widening
96	Forest Oak	30	2	1	Gate S & Road Widening
97	Stag/Stump	30	1	1	Gate S & Road Widening

This plan is NOT to be used for construction purposes unless it carries the approval stamp of the local authority.

Issue	Date	Amendment	App'd	Client:	Project:	Title:	Design:	Scale:	Date:
				Billinudgel Property Trust	North Byron Parklands Tweed Valley Way & Jones Road Wooyung	Plan 4.7.3 Tree Removal Plan	RB	As Shown	Aug 2010
							Drawn:	Datum:	
							Checked:	Acad file:	6883-Tree Removal.dwg
							Approved:	Coad file:	6883-DS.ccx
							Job No:	Dwg No:	46
							6883 Plan 4.7.3		

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