

total earth care

Job No. C11653

Total Earth Care Pty Ltd 5/1 Vuko Place Warriewood, NSW 2102 Phone: (02) 9913 1432

consu

ABN:

ulting@totalearthcare.com.au 14 043 484 770	
	Site Location

Date: 15/04/20

Rep: Tara Boreham

То	Care of	Site Location
Denis Smith Director, Planning and Property P: 02 8456 4752 M: 0400 777 115 E: denis.smith8@bigpond.com	Tomasy Planning Pty Ltd Suite 1, Level 1, 1073 Pittwater Rd, Collaroy Beach, NSW, 2097	9-11 Birdwood Ave, Collaroy NSW, 2745

Dear Denis

Thank you for inviting Total Earth Care to undertake the desktop research and site assessment to provide a biodiversity letter report for 9-11 Birdwood Ave, Collaroy NSW 2097, Lot 1/-/DP847020.

Thank you for providing the following documents to assist this assessment:

Architectural Plans prepared by EDAA dated 27/09/19 and amended 23/03/20

Background

The Northern Beaches Council has recommended a site assessment to be carried out by a qualified environmental consultant to provide advice on the biodiversity values of the subject site to accompany the Development Application (DA).

Subject Site & Study Area 1.1

The site is a residential property consisting of a north facing, two-storey brick house, separate garage/shed, paved driveway and urban garden on a 1472 m² lot. The site is zoned as R2-Low Density Residential within the Northern Beaches Local Government Area (LGA) (formerly the Warringah LGA).



Figure 1 The site – 9-11 Birdwood Ave, Collaroy.

1.2 The Proposal

The proposal includes the demolition of the existing house and removal of the vegetation and garden beds to accommodate four (4) separate single-level senior living apartments and associated landscaping. The structure will consist of two (2) levels of apartments and one lower level for parking (see Appendix A – Site Plans). The development would require the removal of the urban gardens, and five (5) Coastal Banksia (*Banksia integrifolia*) of which one (1) is mature and four (4) are semi mature. A Coastal Banksia (*Banksia integrifolia*) located on the boundary of 7 Birdwood Ave will be retained.

2 Site Assessment & Desktop Study

A site assessment was carried out from 7:30am on the 23rd March 2020. The weather was overcast and approximately 17 °C. The vegetation within the site boundary and to the road edge was assessed, and incidental fauna sightings were recorded. A desktop study was conducted on the 11th March 2020 to assess Northern Beaches' LEP mapping, BioNet species records, Biodiversity Values mapping and relevant legislation.

3 Results

3.1 Flora

The vegetation on site predominately consists of exotic ornamental garden plants such as Lily of the Nile (*Agapanthus africanus*), Giant Bird of Paradise (*Strelitzia Nicolai*), Orange jessamine (*Marraya paniculata*), Blue lily turf (*Liriope muscari*), Bougainvillea (*Bougainvillea spp.*), Magnolia (*Magnolia spp.*), Common Fig (*Ficus carica*), Common Myrtle (*Myrtus communis*), Frangipani (*Plumaria obtuse*), Date palm (*Pheonix spp.*), Adam's Needle (*Yucca filamentosa*), Oleander (*Nerium oleander*), Bay laurel (Laurus nobilis), Bamboo (*Bambusoideae spp.*) and assorted succulent species with an understorey of buffalo lawn (*Bouteloua dactyloides*). There is a significant proportion of weeds including Pellitory (*Parietaria Judaica*), Asparagus fern (Asparagus aethiopicus), English ivy (Hedera helix), Japanese honeysuckle (*Lonicera japonica*), Green cestrum (*Cestrum parqui*), *Senna pendula*, Turkey rhubarb (Acetosa sagittata), Blackberry nightshade (*Solanum nigrum*), fleabane (*Conyza spp.*), Milk thistle (*Silybum spp.*) and Cobbler's pegs (*Bidens Pilosa*).

The native vegetation on site was limited to five (5) Coastal Banksia (*Banksia integrifolia*), a Native Tamarind (*Diploglottis australis*), Willow bottlebrush (*Callistemon salignus*) and Lilly Pilly (*Acmena smithii*). Due to the disturbance history of the site these species are likely to have been planted although *Banksia integrifolia* are representative of the indigenous vegetation of the locality. All species provide potential foraging and nesting habitat for urban fauna (see Figure and Figure 3).

3.2 Fauna

Native fauna identified on site includes the Laughing Kookaburra (*Dacelo novaeguineae*), Noisy minor (*Manorina melanocephala*), Little Corella (*Cacatua sanguinea*), and Rainbow Lorikeets (*Trichoglossus haematodus*). These bird species are highly mobile and adapted to an urban environment, therefore the removal of the vegetation on site is unlikely to affect their habitat extent. No nests or dreys were found on site, however the thick shrub vegetation may provide habitat for possums, bandicoots and nesting birds. Within the courtyard, exotic Bromeliad species and artificial pond could provide potential frog habitat, as does most ephemeral and still bodies of water and damp leaf litter (see Figure 4).



Figure 2 Example of planted canopy tree species, Coastal Banksia (Banksia integrifolia)



Figure 3 Dense exotic shrub vegetation providing good habitat for small marsupials



Figure 4 Artificial pond providing potential frog habitat

3.3 Desktop research

The following table reveals the mapped and ground truthed results of the relevant legislation, latest vegetation mapping for the Sydney region and the DPIE Biodiversity Values Map.

Table 1 Results of desktop research conducted 11/03/20

Mapping/Classification/ Legislative Tool	Results
NSW BioNet Atlas of Occurrence records (DPIE 2020)	The BioNet Atlas returned ninety-seven (97) threatened fauna and seventeen (17) threatened flora within 5km of the site. See Figure 8 and Appendix D – BioNet Species Records.
	No threatened species were recorded on site. There are recent local records of the Grey-headed Flying-fox (<i>Pteropus poliocephalus</i>), which may use Coastal banksia (<i>Banksia integrifolia</i>) as a feed tree as well as local records of Magenta Lilly Pilly (<i>Syzygium paniculatum</i>), however this is often planted as an ornamental street tree.
Vegetation of the Sydney Metropolitan Area V 3.1 (OEH 2016)	The land within the subject site in not mapped as a plant community type in the latest vegetation mapping (OEH 2016). Results from the site visit align with this. All vegetation on site was predominately exotic urban species, with a few commonly planted native canopy species. (See Figure 8).
NSW Biodiversity Offset Scheme Entry Threshold (BOSET)	The total area of the site is 0.15 ha which is below the 0.25 ha clearing threshold and does not trigger the requirement for a Biodiversity Development Assessment Report (BDAR). The site is not mapped on the Biodiversity Values Map. See Appendix B–BOSET Map Report for the BOSET report.

Mapping/Classification/ Legislative Tool

Results

Warringah Local Environment Plan 2011

The site is mapped as Class 4 Acid Sulfate Soil (Part 6, clause 6.1) under the Warringah LEP 2011 (see Figure 5). The objective is to ensure that development does not disturb, expose or drain acid sulfate soils and cause environmental damage. Being class 4, it requires consent if works occur more than 2m below the natural ground surface or if the water table is likely to be lowered more than 2m below the natural ground surface.

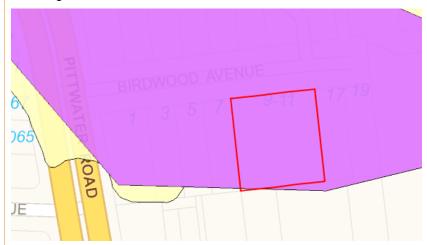


Figure 5 Warringah LEP 2011 Acid Sulphate Soil Mapping.

Warringah Development Control Plan 2011

Wildlife Corridor:

A small corner (approximately 200 m²) of the site falls within the Warringah DCP Wildlife Corridor mapping. However it is unlikely the vegetation in this portion of the lot contributes significantly to the wildlife corridor. There is no connectivity to other vegetation and nor does this part of the land contain native flora species. See (Figure 6).

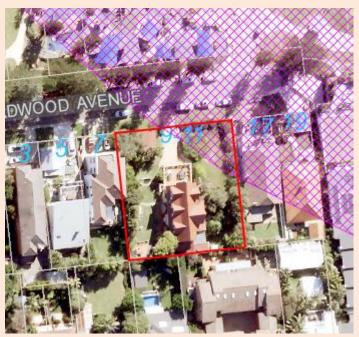


Figure 6 Warringah DCP 2011 Wildlife Corridor Mapping.

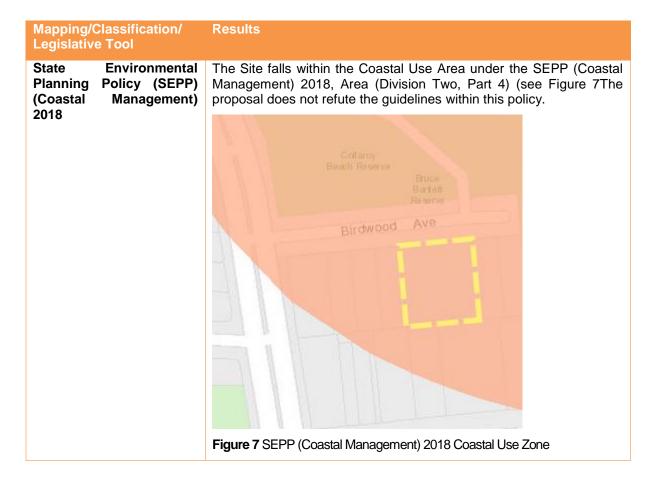




Figure 8 Site location, locality and BioNet threatened species records.

4 Discussion

The works on the Subject Site include:

- a) the removal of the existing structure and garden including five (5) Banksia integrifolia;
- b) the development of a three-storey senior living development with four (4) separate single-level senior living apartments and landscaped gardens.

The desktop and site assessment conducted has determined that the site does not contain significant native vegetation, nor is it mapped as a native Plant Community Type on the latest vegetation mapping (OEH 2016).

No threatened flora or fauna species or ecological communities were identified on site. There are recent local records of the Grey-headed Flying-fox, which may use Coastal Banksia (*Banksia integrifolia*) as a feed tree, however there is no roosting habitat on site.

The vegetation on site predominately consists of landscaped urban exotics and planted native vegetation including five (5) Coastal Banksia (*Banksia integrifolia*), a Native Tamarind (*Diploglottis australis*), Willow bottlebrush (*Callistemon salignus*) and Lilly Pilly (*Acmena smithii*) which are to be removed as part of the proposed development. Fauna identified on site were highly mobile bird species and therefore the removal of the vegetation on site is unlikely to affect their habitat extent. No nests or dreys were found on site, however the thick shrub vegetation may provide habitat for possums, bandicoots and nesting birds. Within the courtyard, exotic Bromeliad species and artificial pond could provide potential frog habitat, but as does most ephemeral and still bodies of water and damp leaf litter.

5 Recommendations

Vegetation removal with the greatest significance was limited to the five (5) Coastal Banksia (*Banksia integrifolia*) and thick shrubs. It is recommended that the proposal include the planting of native flowering species as part of the landscape plan to provide similar foraging resources for native fauna such as nectarivorous birds. See Northern Beaches Council's Native Plant Species Guide – Narrabeen Ward, for a list of recommended native plant species for the area (https://www.northernbeaches.nsw.gov.au/node/34931).

Although no evidence of nesting was found on site, some areas of the vegetation is thick and provides suitable habitat for marsupials such as bandicoots and possums as well as nesting birds. It is recommended that an ecologist conduct a pre-clearance survey prior to any vegetation clearing or disturbance to prevent harm to native fauna species that may be nesting in the vegetation.

Please do not hesitate to contact me should you have any questions regarding this biodiversity report for 9-11 Birdwood Ave, Collaroy using the details provided below.

Kind Regards,

Tara Boreham | Project Ecologist

Total Earth Care Pty. Ltd. | www.totalearthcare.com.au

Unit 5, 1 Vuko Place Warriewood NSW 2102

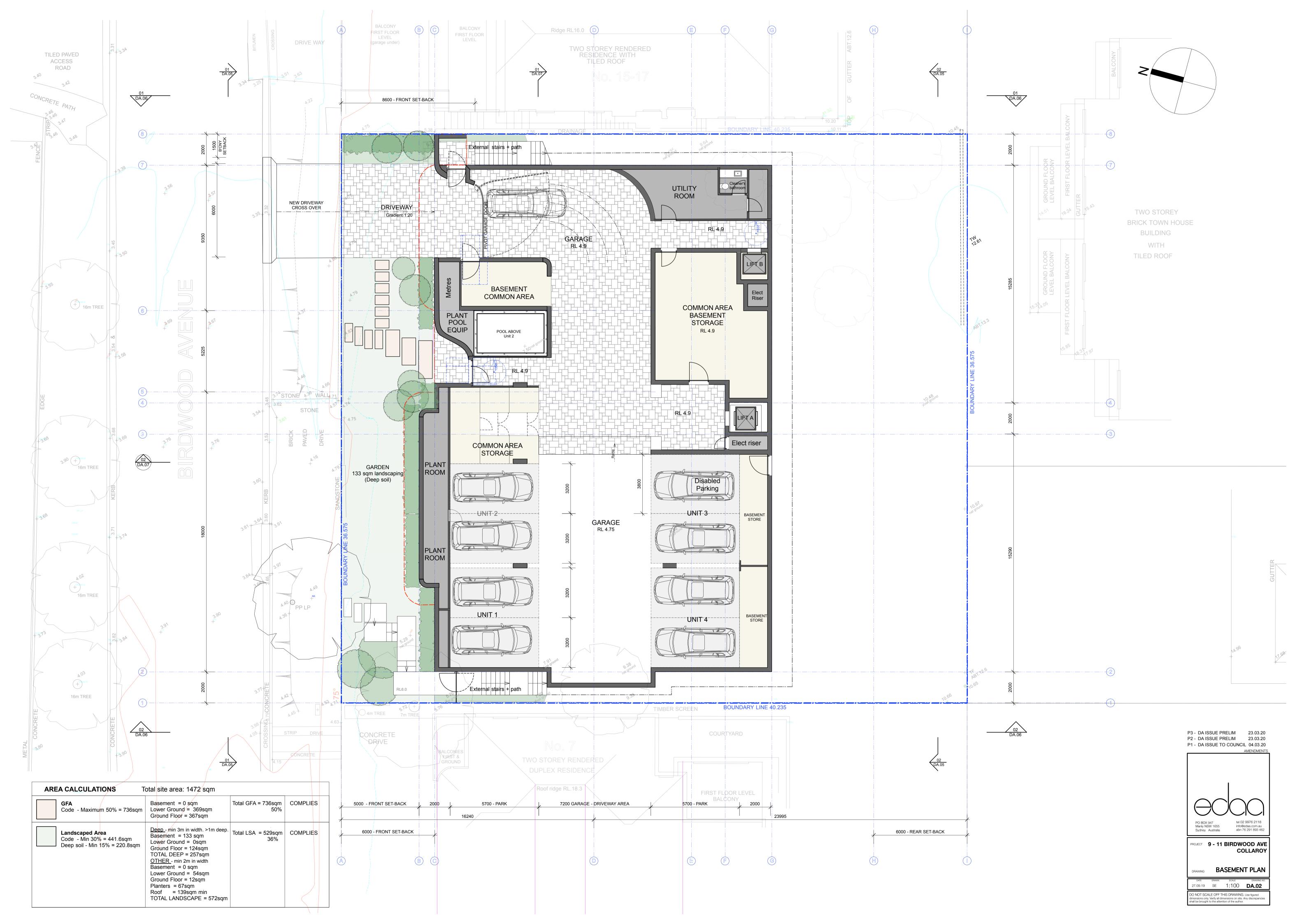
T: (02) 9913 1432 | F: (02) 9913 1434 | E: tboreham@totalearthcare.com.au

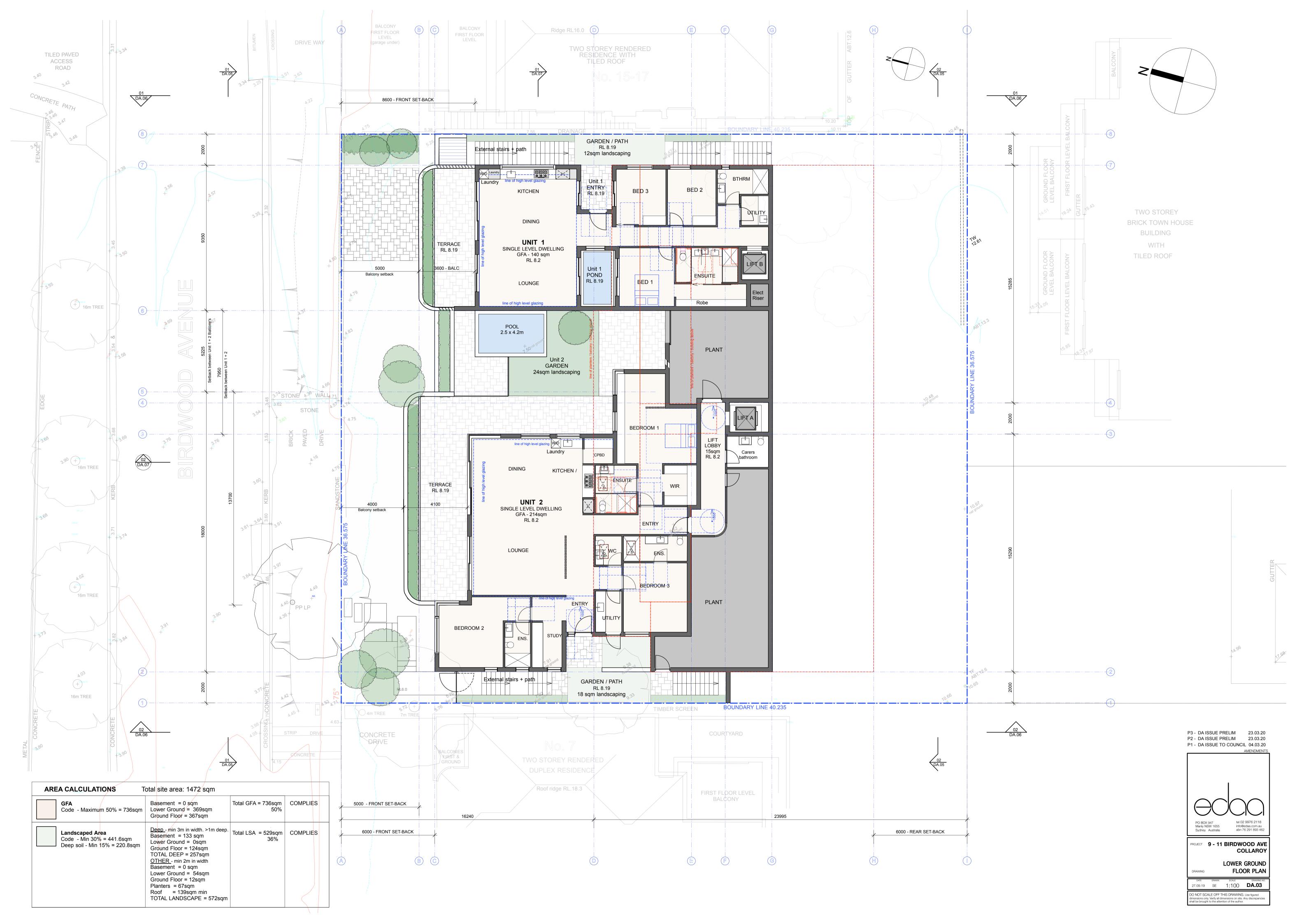
6 References

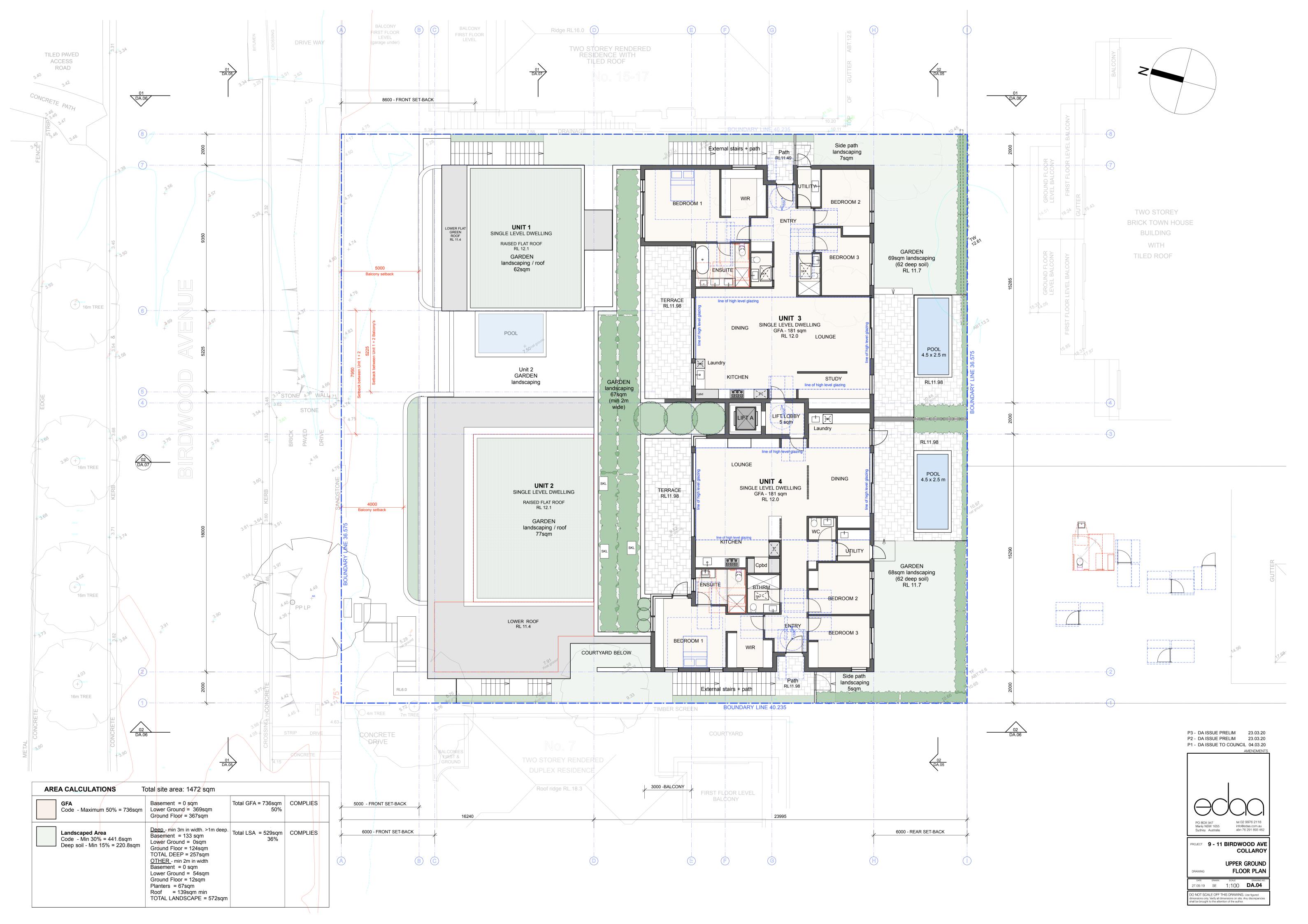
DPIE (2020). BioNet Threatened Biodiversity Data Collection (TBDC) [online] Available at: https://www.environment.nsw.gov.au/asmslightprofileapp/Account/Login [Accessed 12th March 2020]

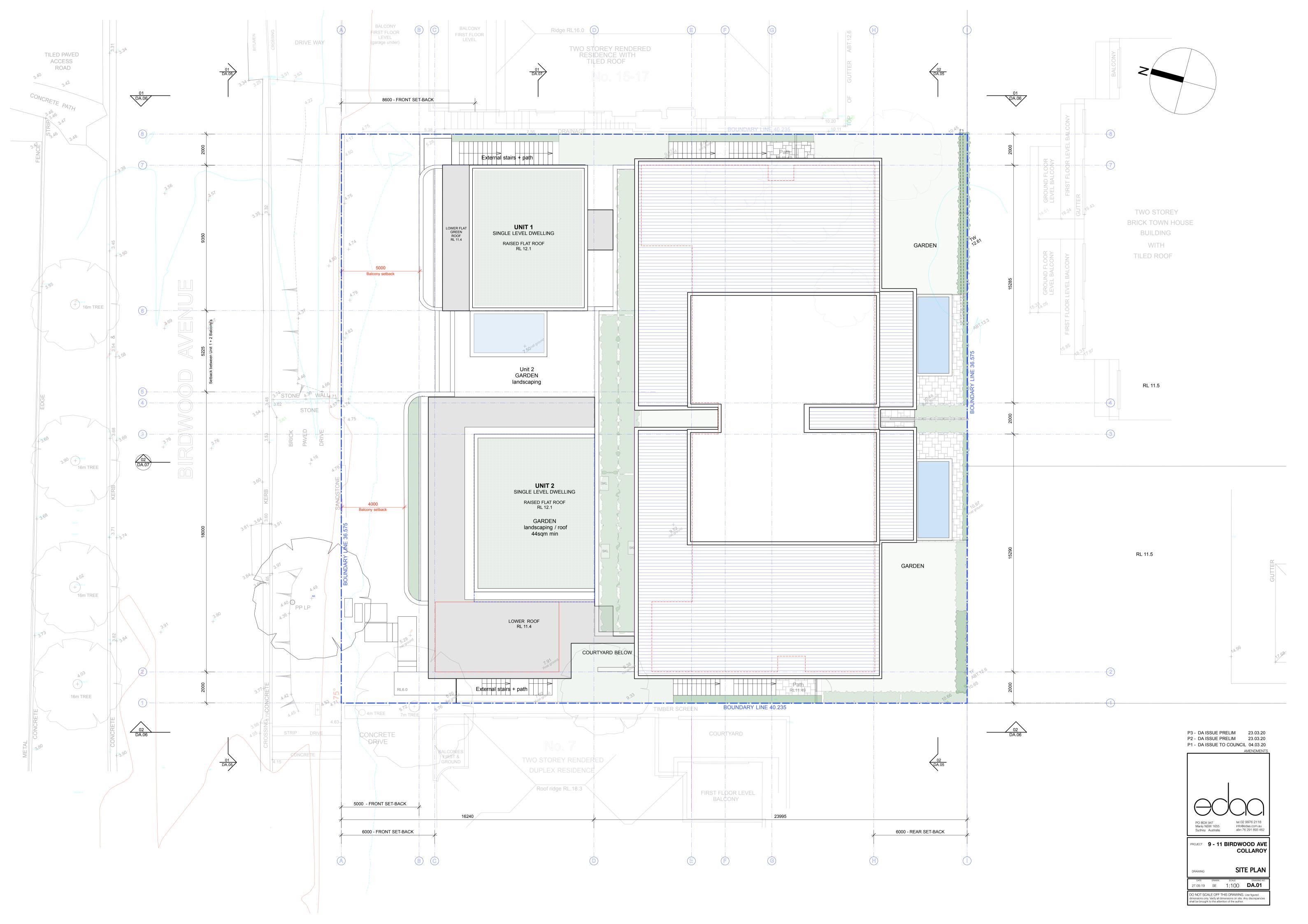
OEH (2016). *The Native Vegetation of the Sydney Metropolitan Area.* Version 3.1. Office of Environment and Heritage, Department of Premier and Cabinet, Sydney.

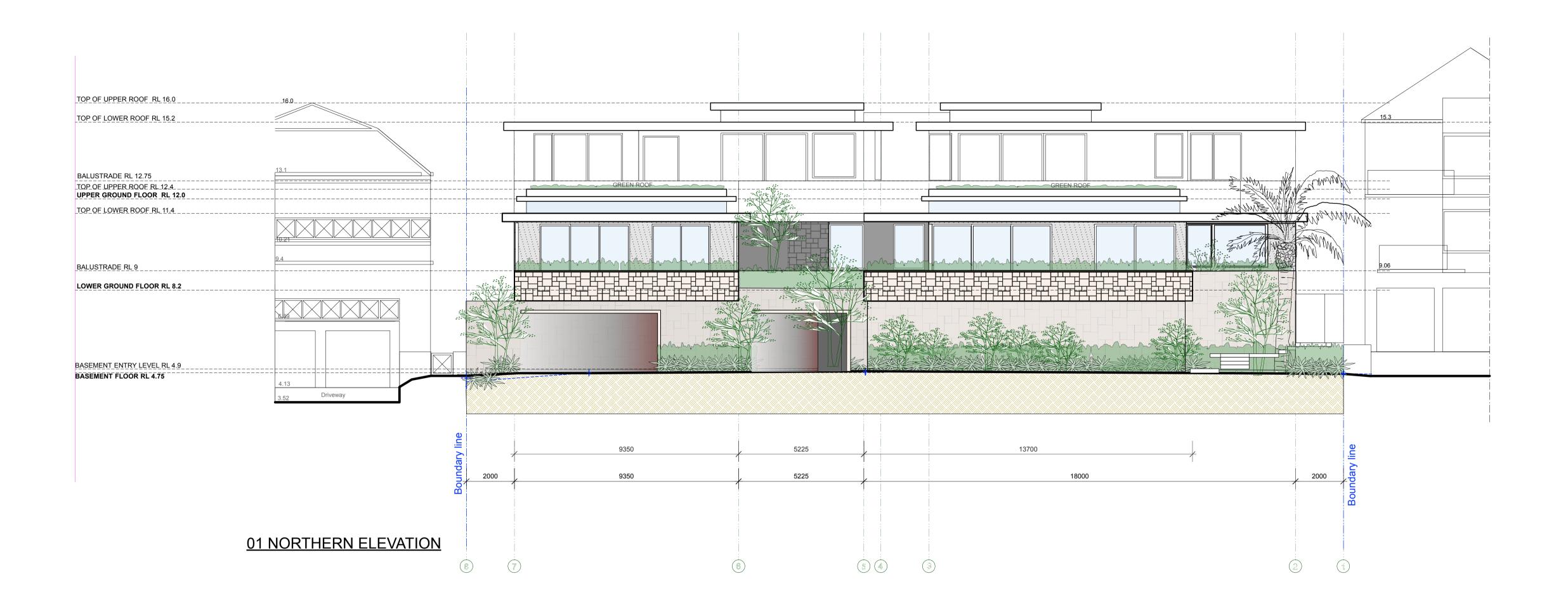
7 Appendix A – Site Plans

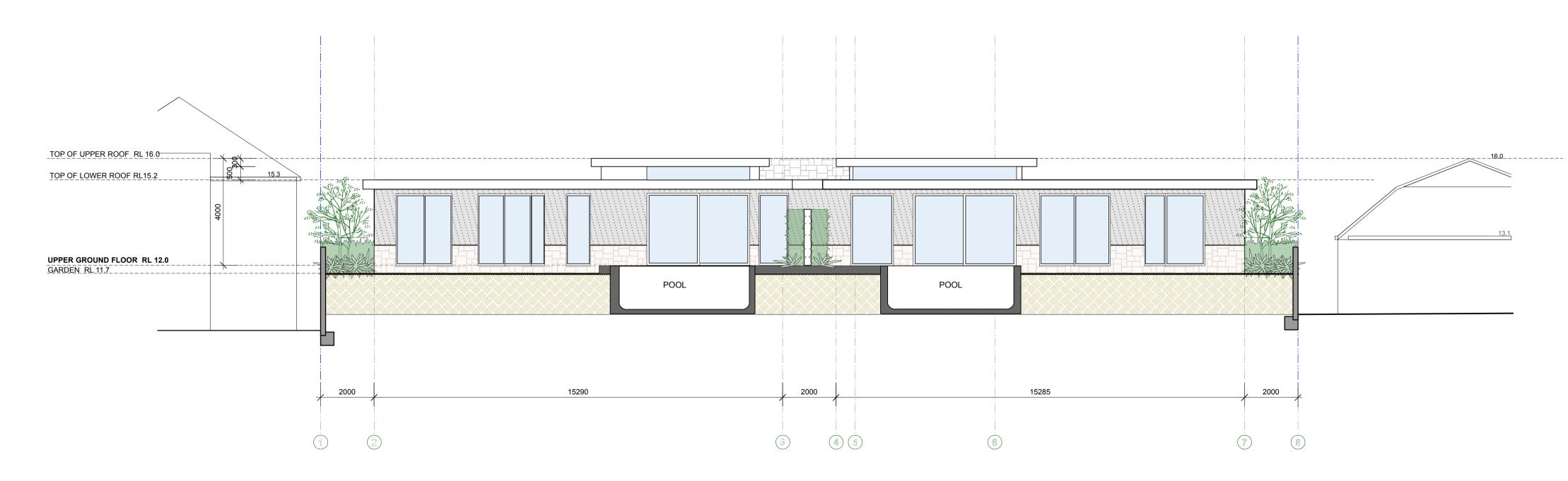




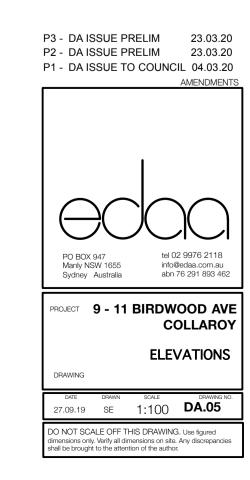


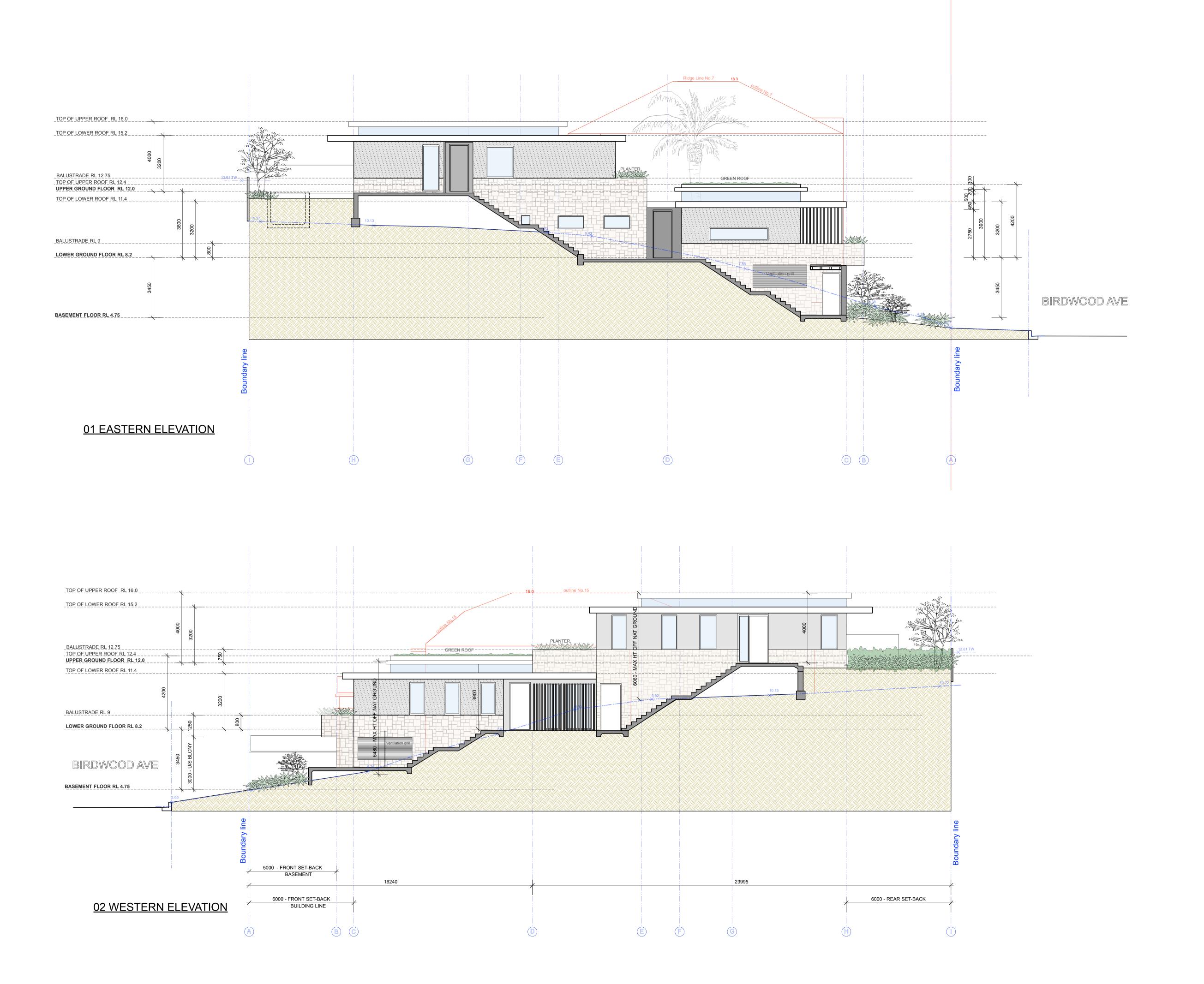


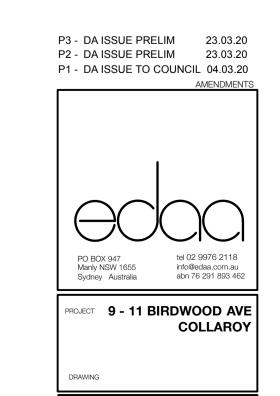




02 SOUTHERN ELEVATION

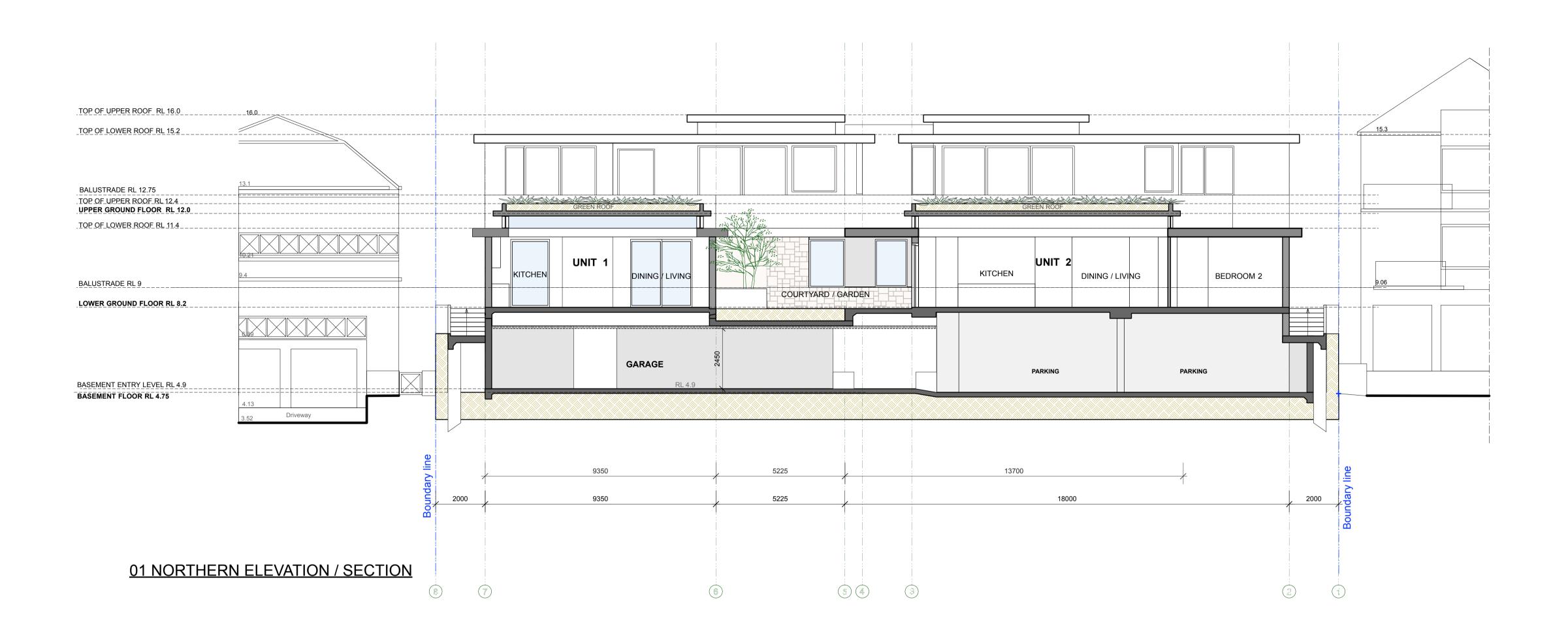


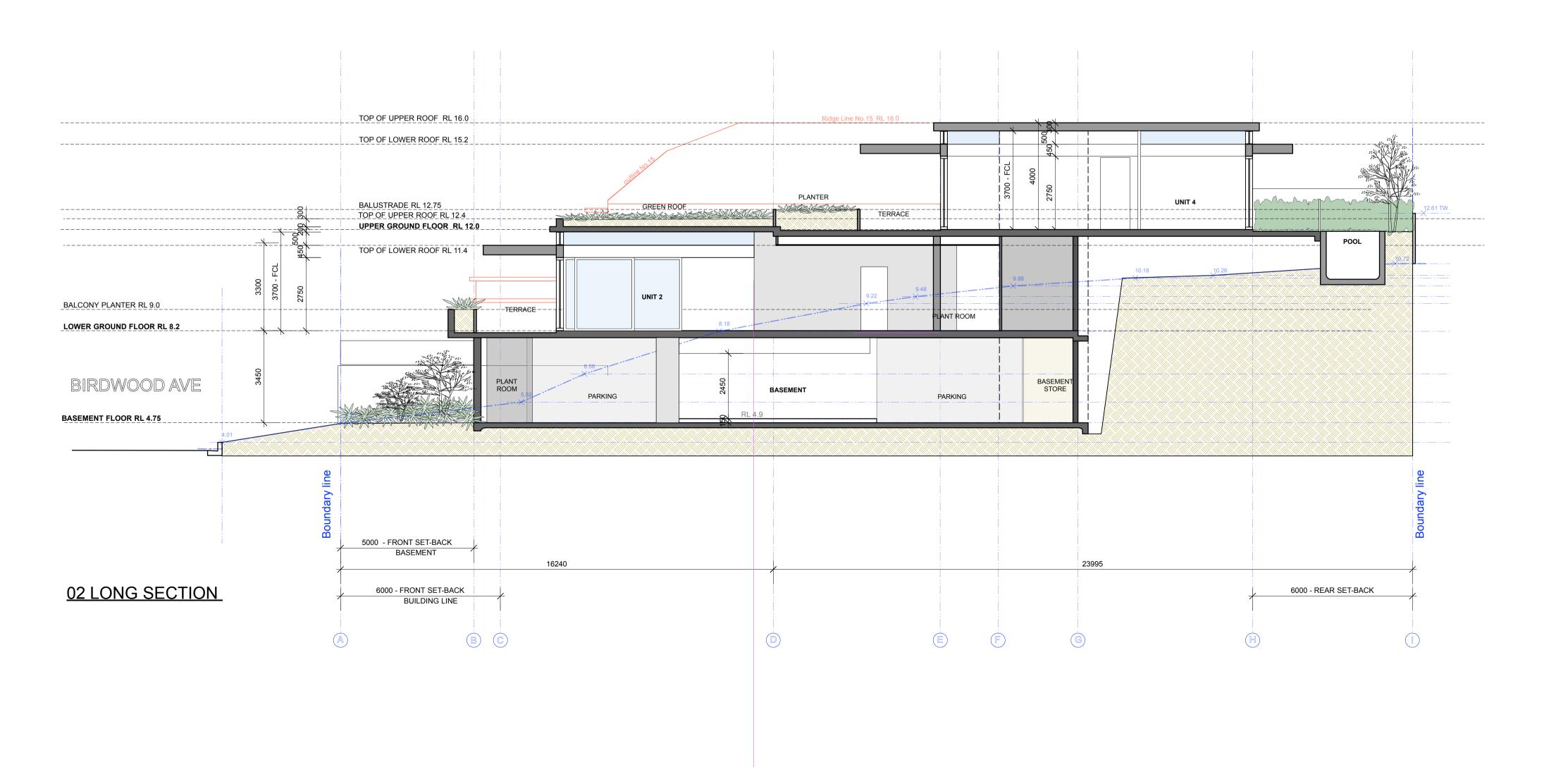


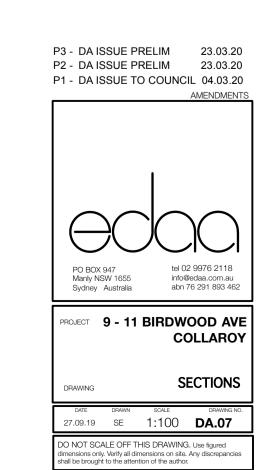


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DO NOT SCALE OFF THIS DRAWING. Use figured dimensions only. Verify all dimensions on site. Any discrepancies shall be brought to the attention of the author.







8 Appendix B- BOSET Map Report



Biodiversity Offset Scheme (BOS) Entry Threshold Map



Legend

- Biodiversity Values that have been mapped for more than 90 days
- Biodiversity Values added within last 90 days

Notes

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Biodiversity Values Map and Threshold Report

Results Summary

Date of Calculation	11/03/2020	4:43 PM	BDAR Required*
Total Digitised Area	0.15	ha	
Minimum Lot Size Method	LEP		
Minimum Lot Size	0.06	ha	
Area Clearing Threshold	0.25	ha	
Area clearing trigger Area of native vegetation cleared	Unknown #		Unknown [#]
Biodiversity values map trigger Impact on biodiversity values map(not including values added within the last 90 days)?	no		no
Date of the 90 day Expiry	N/A		

*If BDAR required has:

- at least one 'Yes': you have exceeded the BOS threshold. You are now required to submit a Biodiversity Development Assessment Report with your development application. Go to https://customer.lmbc.nsw.gov.au/assessment/AccreditedAssessor to access a list of assessors who are accredited to apply the Biodiversity Assessment Method and write a Biodiversity Development Assessment Report
- 'No': you have not exceeded the BOS threshold. You may still require a permit from local council. Review the development control plan and consult with council. You may still be required to assess whether the development is "likely to significantly affect threatened species' as determined under the test in s. 7.3 of the Biodiversity Conservation Act 2016. You may still be required to review the area where no vegetation mapping is available.
- # Where the area of impact occurs on land with no vegetation mapping available, the tool cannot determine the area of native vegetation cleared and if this exceeds the Area Threshold. You will need to work out the area of native vegetation cleared refer to the BOSET user guide for how to do this.

On and after the 90 day expiry date a BDAR will be required.

Disclaimer

This results summary and map can be used as guidance material only. This results summary and map is not guaranteed to be free from error or omission. The State of NSW and Office of Environment and Heritage and its employees disclaim liability for any act done on the information in the results summary or map and any consequences of such acts or omissions. It remains the responsibility of the proponent to ensure that their development application complies will all aspects of the Biodiversity Conservation Act 2016.

The mapping provided in this tool has been done with the best available mapping and knowledge of species habitat requirements. This map is valid for a period of 30 days from the date of calculation (above).

Acknowledgement

I as the applicant for this development,	submit that I have correctly	depicted the area that wi	ill be impacted or likely t	o be impacted as a
result of the proposed development.				

Signature	Date:	11/03/2020 04:43 P	'IV
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9 Appendix C - Site Species List

Table 2 Flora species list

Family	Exotic	Scientific Name	Common Name	BC Act Status	EPBC Act Status
Polygonaceae	*	Acetosa sagittata	Rambling Dock		Otatuo
Myrtaceae		Acmena smithii	Lilly Pilly		
Bromelioideae	*	Aechmea spp.	Bromeliad		
Alliaceae	*	Agapanthus africanus	Lily of the Nile		
Asphodelaceae	*	Aloe vera	Aloe vera		
Asparagaceae	*	Asparagus aethiopicus	Asparagus Fern		
Poaceae	*	Bambusoideae spp.	Bamboo		
Proteaceae		Banksia integrifolia	Coast Banksia		
Asteraceae	*	Bidens pilosa	Cobbler's pegs		
Nyctaginaceae	*	Bougainvillea spp.	Bougainvillea		
Poaceae	*	Bouteloua dactyloides	Buffalo Grass		
Myrtaceae		Callistemon salignus	Willow Bottlebrush		
Solanaceae	*	Cestrum parqui	Green Cestrum		
Anthericaceae	*	Chlorophytum comosum	Spider Plant		
Anthericaceae	*	Chlorophytum comosum	Spider Plant		
Asteraceae	*	Conyza spp.	A Fleabane		
Athyriaceae		Diplazium australe	Austral Lady Fern		
Poaceae	*	Ehrharta erecta	Panic Veldtgrass		
Moraceae	*	Ficus carica	Common Fig		
Araliaceae	*	Hedera helix	English Ivy		
Lauraceae	*	Laurus nobilis	Bay Laurel		
Liliaceae	*	Liriope muscari	big blue lilyturf		
Caprifoliaceae	*	Lonicera japonica	Japanese Honeysuckle		
Magnoliaceae	*	Magnolia spp.	Magnolia		
Rutaceae	*	Murraya paniculata	Orange jessamine		
Myrtacaea	*	Myrtus communis	Common Myrtle		
Apocynaceae	*	Nerium oleander	Oleander		
Urticaceae	*	Parietaria judaica	Pellitory		
Apocynaceae	*	Plumeria obtusa	Frangipani		
Arecaceae	*	Pheonix spp.	Date palm		
Araliaceae	*	Schefflera actinophylla	Umbrella Tree		
Fabaceae (Caesalpinioideae)	*	Senna pendula var. glabrata	Senna		
Asteraceae	*	Silybum spp.	Milk thistle		

Family	Exotic	Scientific Name	Common Name	BC Act Status	EPBC Act Status
Solanaceae	*	Solanum nigrum	Black-berry Nightshade		
Strelitziaceae	*	Strelitzia nicolai	Giant bird of paradise		
Strelitziaceae	*	Strelitzia spp.	Bird of paradise		
Lamiaceae		Westringia fruticosa	Coastal Rosemary		
Agavaceae	_	Yucca spp.			

Table 3 Fauna species list

Family	Exotic	Scientific Name	Common Name	BC Act Status	EPBC Act Status
Cacatuidae		Cacatua sanguinea	Little Corella	Р	
Columbidae	*	Columba livia	Rock Dove		
Alcedinidae		Dacelo novaeguineae	Laughing Kookaburra	Р	
Meliphagidae		Manorina melanocephala	Noisy Miner	Р	
Psittacidae		Trichoglossus haematodus	Rainbow Lorikeet	Р	

BC Act Status – E4A critically endangered; E1 – endangered species; V – vulnerable; P - Protected. EPBC Act Status - CE - critically endangered, E – endangered, V – vulnerable, X - Extinct.

10 Appendix D - BioNet Species Records

Table 4 Threatened flora within 5km of the Subject Site.

Scientific Name	Common Name	BC Act Status	EPBC Act Status	No. of records
Acacia terminalis subsp. terminalis	Sunshine Wattle	E1	E	12
Callistemon linearifolius	Netted Bottle Brush	V,3		2
Chamaesyce psammogeton	Sand Spurge	E1		8
Epacris purpurascens var. purpurascens		V		3
Eucalyptus camfieldii	Camfield's Stringybark	V	V	13
Eucalyptus nicholii	Narrow-leaved Black Peppermint	V	V	2
Genoplesium baueri	Bauer's Midge Orchid	E1,P,2	Е	1
Grammitis stenophylla	Narrow-leaf Finger Fern	E1,3		1
Grevillea caleyi	Caley's Grevillea	E4A,3	CE	2
Isotoma fluviatilis subsp. fluviatilis			Х	1
Persoonia hirsuta	Hairy Geebung	E1,P,3	E	23
Pimelea curviflora var. curviflora		V	V	18
Prostanthera densa	Villous Mint-bush	V	V	1
Rhodamnia rubescens	Scrub Turpentine	E4A		2
Senecio spathulatus	Coast Groundsel	E1		1
Syzygium paniculatum	Magenta Lilly Pilly	E1	V	10
Tetratheca glandulosa		V		73

BC Act Status – E4A critically endangered; E1 – endangered species; V – vulnerable; P - Protected. EPBC Act Status - CE - critically endangered, E – endangered, V – vulnerable, X - Extinct.

Table 5 Threatened flora within 5km of the Subject Site.

Scientific Name	Common Name	BC Act Status	EPBC Act Status	No. of records
Anous stolidus	Common Noddy	Р	C,J	3
Anthochaera phrygia	Regent Honeyeater	E4A,P	CE	1
Apus pacificus	Fork-tailed Swift	Р	C,J,K	3
Arctocephalus pusillus doriferus	Australian Fur-seal	V,P		1
Ardea ibis	Cattle Egret	Р	C,J	1
Ardenna carneipes	Flesh-footed Shearwater	V,P	J,K	2
Ardenna grisea	Sooty Shearwater	Р	C,J	5
Ardenna pacificus	Wedge-tailed Shearwater	Р	J	7
Ardenna tenuirostris	Short-tailed Shearwater	Р	J,K	27
Arenaria interpres	Ruddy Turnstone	Р	C,J,K	9
Botaurus poiciloptilus	Australasian Bittern	E1,P	Е	3
Burhinus grallarius	Bush Stone-curlew	E1,P		7
Calidris acuminata	Sharp-tailed Sandpiper	Р	C,J,K	5
Calidris alba	Sanderling	V,P	C,J,K	8
Calidris canutus	Red Knot	Р	E,C,J,K	2
Calidris ferruginea	Curlew Sandpiper	E1,P	CE,C,J,K	3
Calidris ruficollis	Red-necked Stint	Р	C,J,K	11
Calidris tenuirostris	Great Knot	V,P	CE,C,J,K	4
Callocephalon fimbriatum	Gang-gang Cockatoo	V,P,3		1
Calyptorhynchus lathami	Glossy Black-Cockatoo	V,P,2		61
Caretta caretta	Loggerhead Turtle	E1,P	Е	4
Cercartetus nanus	Eastern Pygmy-possum	V,P		55
Chalinolobus dwyeri	Large-eared Pied Bat	V,P	V	4
Charadrius leschenaultii	Greater Sand-plover	V,P	V,C,J,K	3
Charadrius mongolus	Lesser Sand-plover	V,P	E,C,J,K	2
Chelonia mydas	Green Turtle	V,P	V	10
Chlidonias leucopterus	White-winged Black Tern	Р	C,J,K	1
Daphoenositta chrysoptera	Varied Sittella	V,P		5
Dasyurus maculatus	Spotted-tailed Quoll	V,P	Е	9
Dermochelys coriacea	Leatherback Turtle	E1,P	E	1
Diomedea exulans	Wandering Albatross	E1,P	E,J	4
Egretta sacra	Eastern Reef Egret	Р	С	7
Eubalaena australis	Southern Right Whale	E1,P	Е	1
Fregata ariel	Lesser Frigatebird	Р	C,J,K	1
Gallinago hardwickii	Latham's Snipe	Р	C,J,K	2

Rev A

Scientific Name	Common Name	BC Act Status	EPBC Act Status	No. of records
Glossopsitta pusilla	Little Lorikeet	V,P		7
Gygis alba	White Tern	V,P		1
Haematopus fuliginosus	Sooty Oystercatcher	V,P		22
Haematopus longirostris	Pied Oystercatcher	E1,P		6
Haliaeetus leucogaster	White-bellied Sea-Eagle	V,P	С	22
Heleioporus australiacus	Giant Burrowing Frog	V,P	V	10
Hieraaetus morphnoides	Little Eagle	V,P		4
Hirundapus caudacutus	White-throated Needletail	Р	C,J,K	5
Hydroprogne caspia	Caspian Tern	Р	C,J	14
Isoodon obesulus obesulus	Southern Brown Bandicoot (eastern)	E1,P	E	4
Ixobrychus flavicollis	Black Bittern	V,P		24
Lathamus discolor	Swift Parrot	E1,P,3	CE	7
Limosa lapponica	Bar-tailed Godwit	Р	C,J,K	12
Litoria aurea	Green and Golden Bell Frog	E1,P	V	2
Lophoictinia isura	Square-tailed Kite	V,P,3		1
Macronectes giganteus	Southern Giant Petrel	E1,P	E	2
Macronectes halli	Northern Giant-Petrel	V,P	V	1
Megaptera novaeangliae	Humpback Whale	V,P	V	9
Micronomus norfolkensis	Eastern Coastal Free-tailed Bat	V,P		11
Miniopterus australis	Little Bent-winged Bat	V,P		30
Miniopterus orianae oceanensis	Large Bent-winged Bat	V,P		101
Myotis macropus	Southern Myotis	V,P		38
Neophema pulchella	Turquoise Parrot	V,P,3		1
Ninox connivens	Barking Owl	V,P,3		14
Ninox strenua	Powerful Owl	V,P,3		141
Numenius madagascariensis	Eastern Curlew	Р	CE,C,J,K	2
Numenius phaeopus	Whimbrel	Р	C,J,K	2
Onychoprion fuscata	Sooty Tern	V,P		3
Pandion cristatus	Eastern Osprey	V,P,3		24
Petaurus norfolcensis	Squirrel Glider	V,P		2
Petroica boodang	Scarlet Robin	V,P		2
Phascolarctos cinereus	Koala in the Pittwater Local Government Area	E2,V,P	V	3
Phascolarctos cinereus	Koala	V,P	V	6
Philomachus pugnax	Ruff	Р	C,J,K	2

Scientific Name	Common Name	BC Act Status	EPBC Act Status	No. of records
Physeter macrocephalus	Sperm Whale	V,P		2
Plegadis falcinellus	Glossy Ibis	Р	С	2
Pluvialis fulva	Pacific Golden Plover	Р	C,J,K	6
Pluvialis squatarola	Grey Plover	Р	C,J,K	6
Pseudomys novaehollandiae	New Holland Mouse	Р	V	1
Pseudophryne australis	Red-crowned Toadlet	V,P		37
Pterodroma leucoptera leucoptera	Gould's Petrel	V,P	E	1
Pteropus poliocephalus	Grey-headed Flying-fox	V,P	V	124
Ptilinopus magnificus	Wompoo Fruit-Dove	V,P		2
Ptilinopus regina	Rose-crowned Fruit-Dove	V,P		2
Ptilinopus superbus	Superb Fruit-Dove	V,P		4
Puffinus assimilis	Little Shearwater	V,P		2
Rostratula australis	Australian Painted Snipe	E1,P	E	3
Scoteanax rueppellii	Greater Broad-nosed Bat	V,P		2
Stercorarius longicaudus	Long-tailed Jaeger	Р	J	1
Stercorarius pomarinus	Pomarine Jaeger	Р	C,J	1
Sterna hirundo	Common Tern	Р	C,J,K	5
Sternula albifrons	Little Tern	E1,P	C,J,K	2
Thalassarche cauta	Shy Albatross	V,P	V	2
Thalassarche melanophris	Black-browed Albatross	V,P	V	4
Tringa brevipes	Grey-tailed Tattler	Р	C,J,K	6
Tringa incana	Wandering Tattler	Р	J	5
Tringa nebularia	Common Greenshank	Р	C,J,K	2
Tringa stagnatilis	Marsh Sandpiper	Р	C,J,K	1
Tyto novaehollandiae	Masked Owl	V,P,3		2
Varanus rosenbergi	Rosenberg's Goanna	V,P		48
Vespadelus troughtoni	Eastern Cave Bat	V,P		1
Xenus cinereus	Terek Sandpiper	V,P	C,J,K	2

BC Act Status – E4A critically endangered; E1 – endangered species; V – vulnerable; P - Protected.
EPBC Act Status - CE - critically endangered, E – endangered, V – vulnerable, C – Camba, J – Jamba, K – Rokamba