



Tree inclined

Impact of development on existing trees at Lot 2, 471 Nicholls Rivulet Rd, Oyster Cove.

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1. Terms of reference

- This assessment of potential impact by development on trees at lot 1 471 Nicholls Rivulet Rd Rd was prepared for Rhys Ewers, property owner.
 - Trees included in this report are limited to native species with trunk diameter greater than 0.25 m at 1.4m above the ground growing within 15 m of the proposed development.
- Ground based inspection of the trees was completed on 16/02/2024.
- Drawings used for this assessment were:
 - 2 / 471 nicholls . 2302, Site Plan 200 – DA02.1 A 16/01/2024 (Draft), by Green Design
 - 2 / 471 nicholls . 2302, Site Plan 200 – DA02.2 A 16/01/2024 (Draft), by Green Design
- Other documents informing this assessment:
 - Bushfire Hazard Report – Proposed Development – Lot 2 Nicholls Rivulet Rd Oyster Cove, February 2024, by Geo-Environmental Solutions

2. Findings summary

- This assessment includes 38 trees (natives with trunks >250mm in diameter at 1.4m and growing within 15 m proposed works).
- The proposed works will encroach (minor) into the TPZ of just one tree – tree 3.
 - Trees 21 (*A. dealbata*) and 22 – 24 (young *E. regnans*) would need to be removed to satisfy fire hazard reduction requirement. These trees could be felled with negligible impact on nearby significant trees 1 – 5.
 - With exception of trees 21-24, all trees included in this report could be retained, with negligible impact by the proposed development.
- There appears to ample space within the property for materials storage, however, I recommend that barriers (stakes and barrier tape) are installed around the trees' TPZs to deter encroachment by machinery and storage or disposal of building materials or waste within these areas.
 - A combined barrier along the eastern and southern side of TPZs is permissible rather than complete demarcation of the TPZs.
 - It is unlikely that large roots (≥ 50 mm in diameter) of tree 3 will be exposed installation of the wastewater discharge areas. Any tree roots exposed by the works within the TPZ of tree 3 must be cleanly cut with secateurs or saw.

3. The proposed development

The works include a driveway, dwelling, shed and associated water, storm water and waste water infrastructure (Figure 1 and 2).

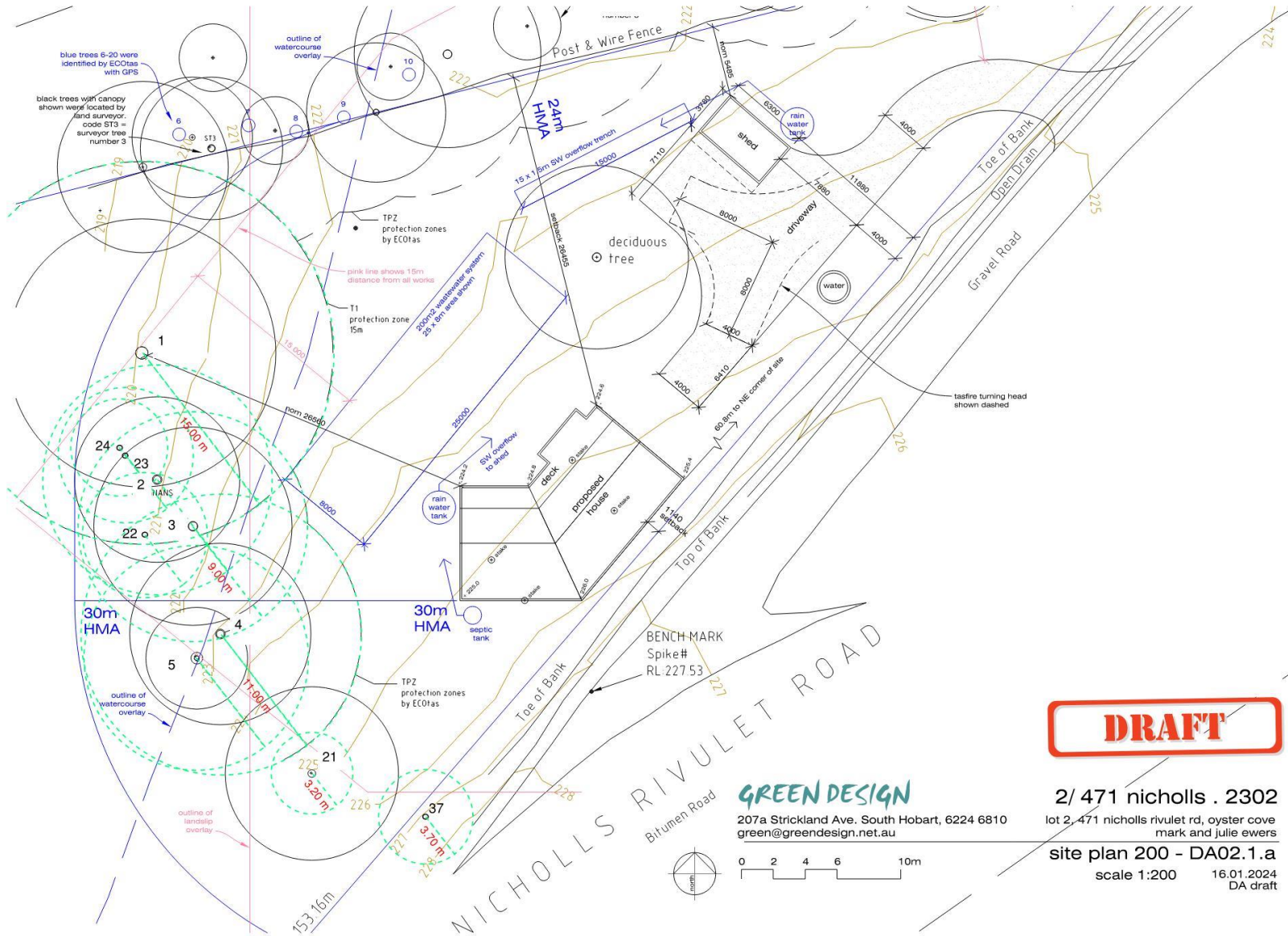


Figure 1. Site plan showing the location of trees potentially impacted by the development (within 15 m of works) and their TPZ's (green shading) – see Figure 2 for trees growing beside the northern boundary

DRAFT

GREEN DESIGN

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2/ 471 nicholls . 2302

lot 2, 471 nicholls rivulet rd, oyster cove
mark and julie ewers

site plan 200 - DA02.1.a

scale 1:200 16.01.2024
DA draft

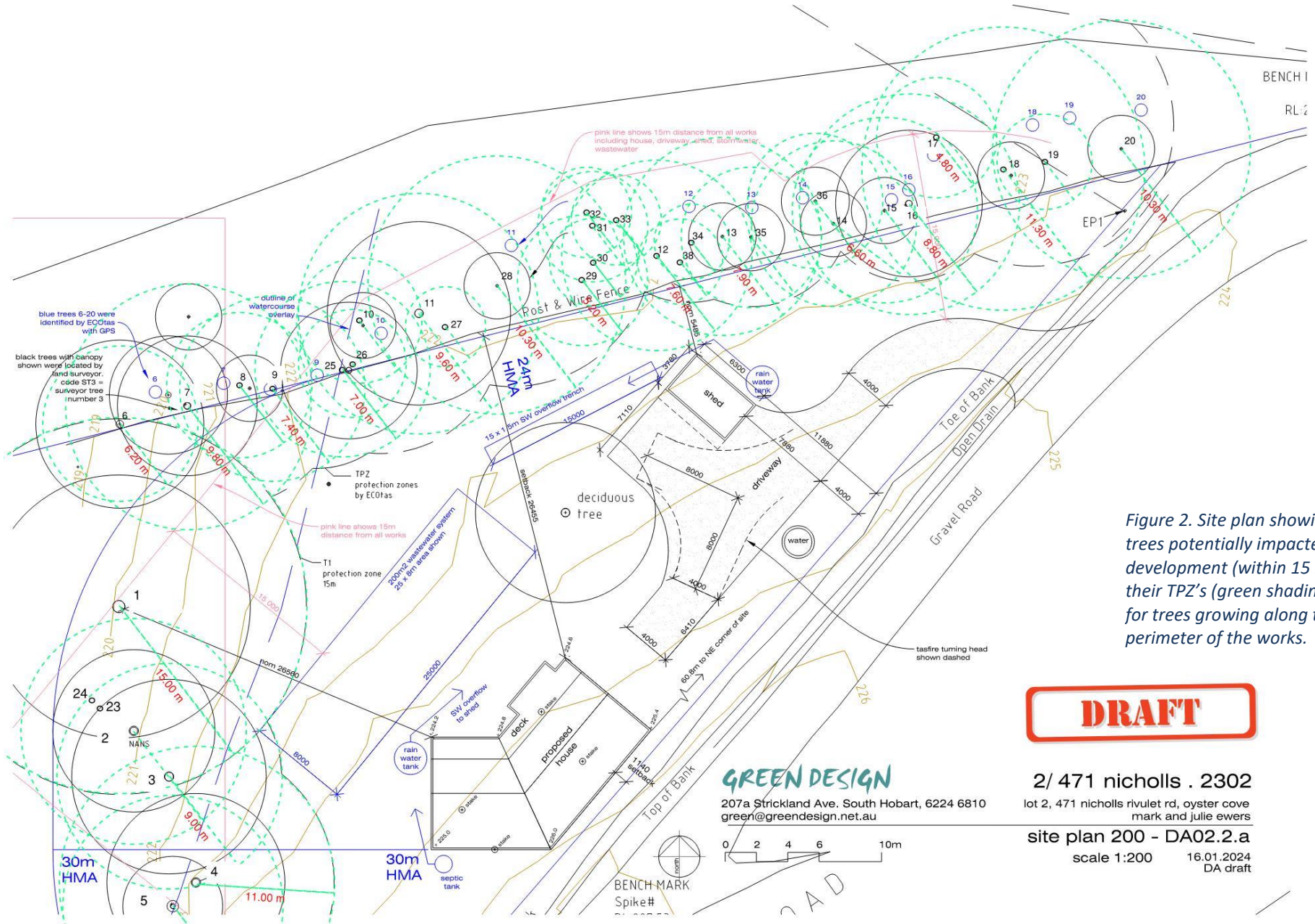


Figure 2. Site plan showing the location of trees potentially impacted by the development (within 15 m of works) and their TPZ's (green shading) – see Figure 1 for trees growing along the western perimeter of the works.

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 lot 2, 471 nicholls rivulet rd, oyster cove
 mark and julie evers
 site plan 200 - DA02.2.a
 scale 1:200 16.01.2024
 DA draft



4. Potential impact of works on nearby trees

TREE	SPECIES	DBH	TPZ	Comments	Encroachment	Enc %	Ret.
1	E. obliqua	1.66	15	Decay in base of trunk			Y
2	E. regnans	0.75	9				Y
3	E. regnans	0.75	9		Wastewater discharge area	<1	Y
4	E. regnans	0.92	11	Historic partial windthrow			Y
5	E. regnans	0.73	8.76				Y
6	E. obliqua	0.52	6.24				Y
7	E. regnans	0.82	9.84				Y
8	E. obliqua	0.48	5.76				Y
9	E. regnans	0.62	7.44				Y
10	E. obliqua	0.42	5.04				Y
11	E. obliqua	0.8	9.6				Y
12	E. globulus	0.63	7.56				Y
13	E. globulus	0.66	7.92				Y
14	E. nitens	0.55	6.6	Mainland native			Y
15	E. nitens	0.62	7.44	Mainland native			Y
16	E. nitens	0.73	8.76	Mainland native			Y
17	Acacia dealbata	0.4	4.8	Extensive storm damage			Y
18	E. globulus	0.94	11.3				Y
19	E. nitens	0.32	3.84	Mainland native			Y
20	E. nitens	0.86	10.3	Mainland native			Y
21	Acacia dealbata	0.27	3.24				N
22	E. regnans	0.41	4.92				N
23	E. regnans	0.44	5.28				N

Tree - tree number in attached plans. Tree numbering follows and builds (additional trees were added) on that presented in the ECOTas report, 16/10/2023. Location of trees along the northern boundary was verified and adjusted as shown by black tree location markers and numbering in black.

Species - botanical name of tree

DBH - trunk diameter over bark at approximately 1.4m above the ground

TPZ - tree protection zone radius (m)*

Comments - key points affecting the tree's potential for maintenance within the scope of the proposed development

Enc % - proportion of the TPZ impacted by proposed works

RET. - retention recommendation (Y – yes, to be retained; N – no, tree to be removed)

TREE	SPECIES	DBH	TPZ	Comments	Encroachment	Enc %	Ret.
24	E. regnans	0.32	3.84				N
25	E. obliqua	0.58	6.96				Y
26	E. obliqua	0.36	4.32				Y
27	Acacia dealbata	0.27	3.24				Y
28	E. obliqua	0.86	10.3				Y
29	Acacia dealbata	0.43	5.16				Y
30	Acacia dealbata	0.29	3.48				Y
31	E. obliqua	0.37	4.44				Y
32	Acacia dealbata	0.3	3.6				Y
33	Acacia dealbata	0.3	3.6				Y
34	E. nitens	0.25	3				Y
35	E. nitens	0.47	5.64	Mainland native			Y
36	Acacia dealbata	0.45	5.4				Y
37	Acacia dealbata	0.3	3.6				Y
38	Acacia dealbata	0.28	3.36				Y

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