



ARBORIST REPORT

for

ALL SAINTS COLLEGE

***Corner of Hunter Street and Odd Street
Horseshoe Bend***

***Lot 1 in DP 1261532
and Lot 2 in DP 91268***

***PREPARED BY
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Definitions and Abbreviations

AQF	Australian Qualifications Framework
Breast Height	1.4 metres above ground level
DBH	Diameter at Breast Height
SRZ	Structural Root Zone – radius taken from the centre of the trunk
TPZ	Tree Protection Zone – radius taken from the centre of the trunk

1.0 INTRODUCTION

Tattersall Lander Pty Ltd has been commissioned to undertake an Arborist Report for works which are to be undertaken at *All Saints College* which is located on the Corner of Odd and Hunter Streets, Horseshoe Bend, within the Maitland Local Government Area (LGA); the property is identified as Lot 1 in DP 1261532 and Lot 2 in DP 91268.

This assessment and Arborist report has been undertaken and prepared by Benjamin Folbigg as an employee of Tattersall Lander. Ben has a Diploma (AQF Level 5) in Arboriculture obtained from NSW TAFE in 2010.

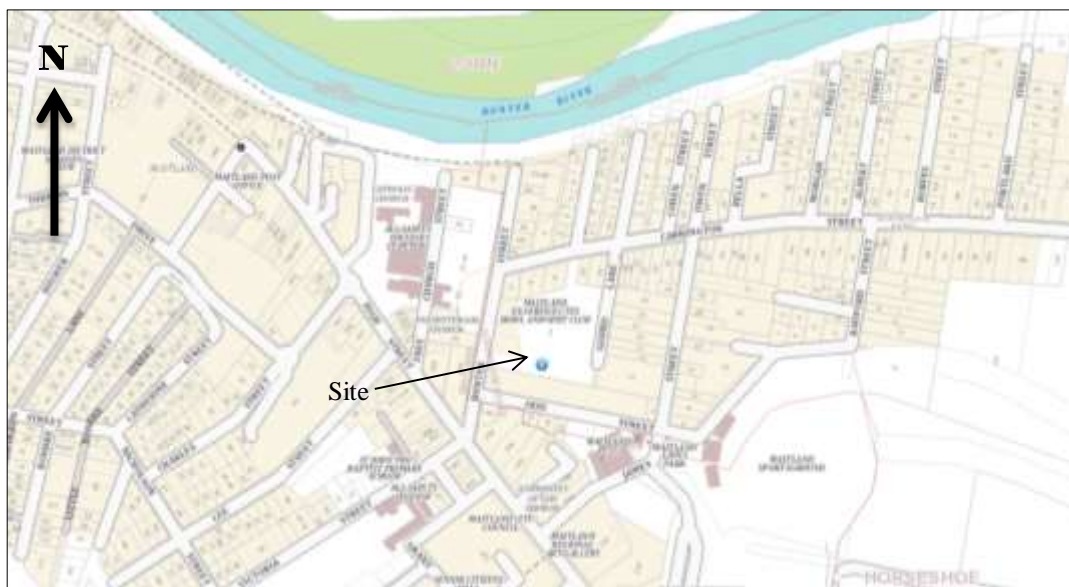


Figure 1 – Site Location Plan

2.0 SITE DESCRIPTION

The subject site is identified as Lot 1 in DP 1261532 and Lot 2 in DP 91268 and is located on the corner of Odd and Hunter Streets at Horseshoe Bend.

The site has an existing development, being a College (*All Saints College*). The site also contains vegetation, being comprised of trees and mown lawns.

The approximate locations of the trees assessed are identified on the attached site plan (refer Figure 2 below) and photographs of the relevant trees have been provided below.

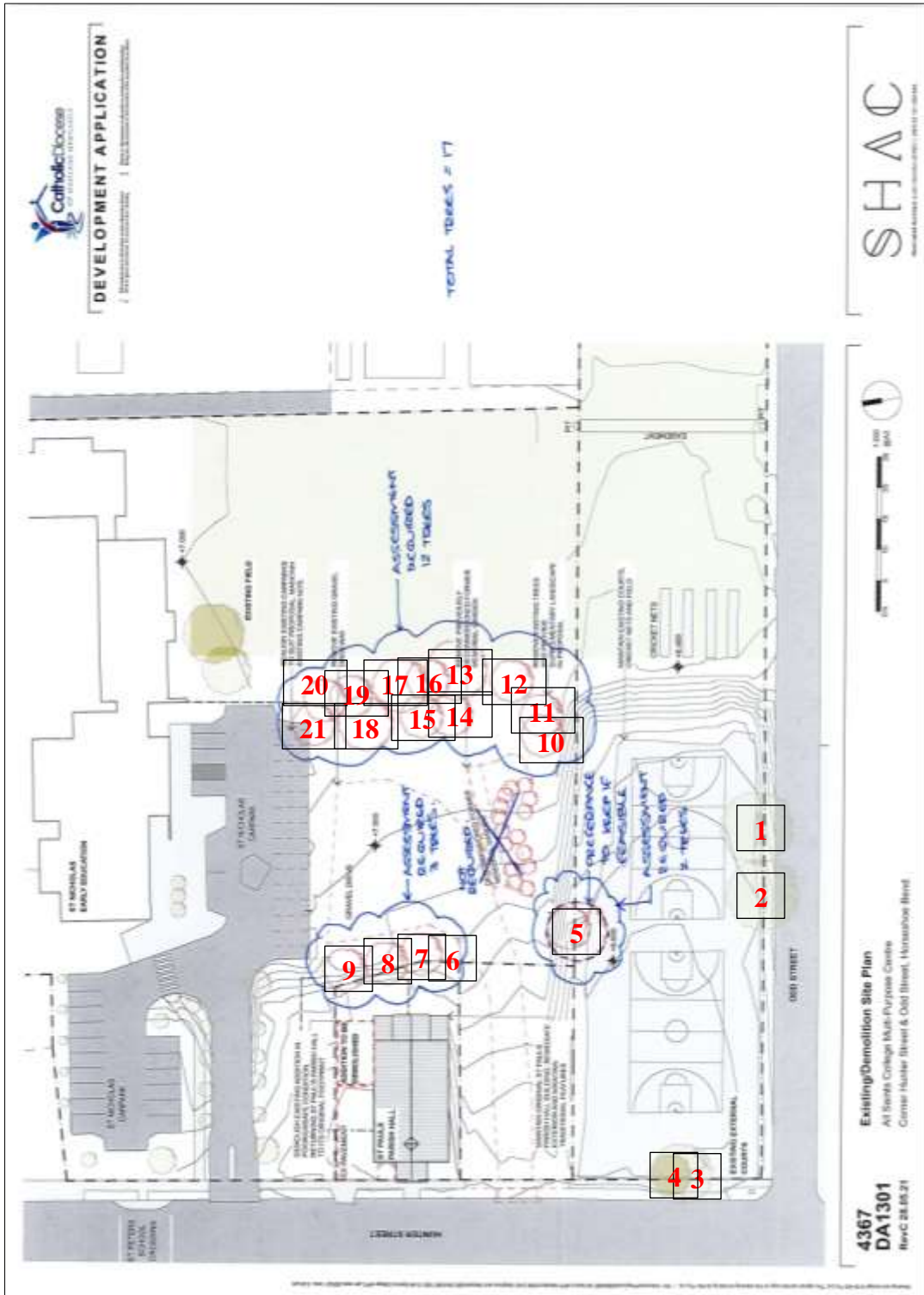


Figure 2 – Site Plan (please note that there are two trees shown where Tree 5 is located but there is only one tree in this location. Also, the location of Trees 6-9 show only three trees but there are four trees in this location).



Photograph 1 – Tree 1



Photograph 2 – Trees 1



Photograph 3 – Tree 2



Photograph 4 – Tree 2



Photograph 5 – Trees 1 and 2 and damage to asphalt



Photograph 6 – Trees 3 (left) and 4 (right)



Photograph 7 – Tree 3



Photograph 8 – Tree 4



Photograph 9 – Tree 3



Photograph 10 – Tree 3 and comms pit



Photograph 11 – Tree 5



Photograph 12 – Tree 5



Photograph 13 – Tree 5



Photograph 14 – Tree 6



Photograph 15 – Tree 6



Photograph 16 – Tree 7



Photograph 17 – Tree 8 (centre) and Tree 9 (right)



Photograph 18 – Tree 9



Photograph 19 – Tree 10



Photograph 20 – Tree 10



Photograph 21 – Tree 11



Photograph 22 – Tree 11



Photograph 23 – Tree 12



Photograph 24 – Tree 12



Photograph 25 – Tree 13



Photograph 26 – Tree 13



Photograph 27 – Tree 14



Photograph 28 – Tree 14



Photograph 29 – Tree 15



Photograph 30 – Tree 16 (centre) and Tree 17 (right)



Photograph 31 – Tree 16



Photograph 32 – Trees 18 (left), 19 (right), 20 (centre at rear)



Photograph 33 – Tree 18



Photograph 34 – Tree 19



Photograph 35 – Tree 20



Photograph 36 – Tree 20



Photograph 37 – Tree 21

3.0 THE PROPOSAL

The proposal is for works including a new multi-purpose centre and hall restoration.

4.0 METHODOLOGY

A site investigation was conducted by myself on Wednesday 16 February 2022; during this site visit, the relevant trees were identified and the relevant measurements and notes have been recorded in the tables below. It is noted that no aerial analysis has been undertaken, nor has there been any probing or digging investigatory works undertaken by myself.

5.0 RESULTS/DISCUSSION

Tables 1 – 3 (below) include all the relevant data as collected and calculated for the purpose of this report, this data includes species, height, Diameter at Breast Height (DBH), approximate age class, Structural Root Zone (SRZ), Tree Protection Zone (TPZ), and any notes as are relevant for each tree. It is noted that the height measurement is approximate only.

Table 1

Tree	Species	Common name	Height (m)	DBH (cm)	Diameter (cm) *	Spread			
						N	S	E	W
1	<i>Cinnamomum camphora</i>	Camphor Laurel	14	91	96	5	6	8	4
2	<i>Cinnamomum camphora</i>	Camphor Laurel	15	101	114	6	6	3	8
3	<i>Grevillea robusta</i>	Silky Oak	21	91	111	5	6	6	0
4	<i>Cinnamomum camphora</i>	Camphor Laurel	10	85	87	6	4	5	3
5	<i>Olea europaea</i>	African Olive	17	89	91	6	6	5	6
6	<i>Fraxinus angustifolia</i>	Narrow-leaved Ash	15	59	59	2	5	4	8
7	<i>Fraxinus angustifolia</i>	Narrow-leaved Ash	16	57	50	7	2	4	4
8	<i>Fraxinus angustifolia</i>	Narrow-leaved Ash	11	35	38	5	2	4	4
9	<i>Fraxinus angustifolia</i>	Narrow-leaved Ash	12	40	42	2	3	4	3
10	<i>Pinus spp.</i>	Cluster Pine?	5	17	22	1	1	1	2
11	<i>Pinus spp.</i>	Cluster Pine?	16	44	47	2	3	2	3
12	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	16	65	73	3	3	4	4
13	<i>Casuarina cunninghamiana</i>	River She-Oak	18	76	85	2	3	4	4
14	<i>Casuarina cunninghamiana</i>	River She-Oak	14	41	48	1	2	1	2
15	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	15	58	65	4	3	2	5
16	<i>Ligustrum lucidum</i>	Broad-leaf Privet	14	70	62	4	4	5	4
17	<i>Melaleuca quinquenervia</i>	Broad-leaved Paperbark	15	60	65	2	2	2	3
18	<i>Casuarina cunninghamiana</i>	River She-Oak	15	48	55	3	3	3	5
19	<i>Casuarina cunninghamiana</i>	River She-Oak	14	51	75	3	4	3	3
20	<i>Casuarina cunninghamiana</i>	River She-Oak	14	41	46	2	2	4	3
21	<i>Platanus x acerifolia</i>	London Plane Tree	5	10	14	2	2	1	2

* measured at ground level but above any buttressing

Table 2

Tree	Notes
1	Mature. Good vigour. Some small deadwood. Damage to fence and kerb and gutter. Significant damage to asphalt court. This tree is not in the vicinity of the proposed works.
2	Mature. Average vigour. Slightly asymmetrical due to pruning for o/head power lines. Damage to fence. Significant damage to kerb and gutter. Minimal small deadwood. Significant damage to asphalt court. Tree appears to be located in the road reserve. This tree is not in the vicinity of the proposed works.
3	Mature. Excellent vigour. Comms box at base, probable root intrusion. Significant damage to asphalt court. Fence inclusion. Slightly asymmetrical due to pruning for o/head power lines. Given the proximity to the footpath, it is also considered highly likely that this tree will cause lifting of the path in the near future. This tree is not in the vicinity of the proposed works.
4	Very poor vigour. Tree is almost dead. Fence inclusion. Damage to asphalt. Significantly asymmetrical, probably due to proximity to Tree 3. This tree is not in the vicinity of the proposed works.
5	Mature – exceptionally old, probably over 100 years. Excellent vigour except for one small dead patch. Roots are exposed and have significant inclusions. It is noted that this tree is not included on the significant tree register and there are no known historical associations relating to this tree. Weed Species.
6	Mature. Good vigour. Small Deadwood. Some/minimal decay in trunk. Asymmetrical. Poor form. Brushes against adjacent building.
7	Mature. Good vigour. Large break approx. half way up trunk. Asymmetrical. Poor form.
8	Mature. Good vigour. Suppressed by Tree 7.
9	Mature. Average vigour. Some small deadwood.
10	Juvenile. Average vigour. Slightly asymmetrical.
11	Mature. Some small deadwood. Very minor dieback.
12	Mature. Excellent vigour. Excellent specimen.
13	Mature. Excellent vigour. Excellent specimen.
14	Mature. Good vigour. Top broken out.
15	Mature. Excellent vigour. Excellent specimen.
16	Mature. Excellent vigour. Excellent specimen BUT significant weed species.
17	Mature. Average vigour. Slightly suppressed by Tree 16. Appears healthy though.
18	Mature. Average vigour. Medium deadwood. Some branch failures. Poor form.
19	Mature. Co-dominant trunks. Excellent vigour.
20	Mature. Average/good vigour
21	Juvenile. Excellent vigour and form.

Table 3

Tree	Structural Root Zone (SRZ) (metres)	Tree Protection Zone (TPZ) (metres)	Tree	Structural Root Zone (SRZ) (metres)	Tree Protection Zone (TPZ) (metres)
1	3.25	10.92	12	2.90	7.80
2	3.49	12.12	13	3.09	9.12
3	3.46	10.92	14	2.43	4.92
4	3.12	10.20	15	2.76	6.96
5	3.18	10.68	16	2.71	8.40
6	2.65	1.08	17	2.76	7.20
7	2.47	6.48	18	2.57	5.76
8	2.20	4.20	19	2.93	6.12
9	2.30	4.80	20	2.39	4.92
10	1.75	2.04	21	1.45	2.00
11	2.41	5.28			

6.0 RECOMMENDATIONS

Table 4

Tree	Action	Justification
1	Retain	Whilst the tree is a potential weed species, it is not in the vicinity of any works.
2	Retain	Whilst the tree is a potential weed species, it is not in the vicinity of any works.
3	Retain	The tree is native (not indigenous) and is a good specimen and not in the vicinity of any works.
4	Remove	This tree is almost dead.
5	Remove	This tree is in very close proximity to the proposed works such that the SRZ and TPZ will be impacted upon. Whilst the tree is of a significant age, it is also a significant weed species.
6	Remove	This tree is in the location of the proposed works and hence must be removed. It is of no known or suspected heritage value and is not a particularly good specimen.
7	Remove	This tree is in the location of the proposed works and hence must be removed. It is of no known or suspected heritage value and is not a particularly good specimen.
8	Remove	This tree is in the location of the proposed works and hence must be removed. It is of no known or suspected heritage value and is not a particularly good specimen.
9	Remove	This tree is in the location of the proposed works and hence must be removed. It is of no known or suspected heritage value and is not a particularly good specimen.
10	Remove	This tree is in the location of the proposed works and hence must be removed. It is of no known or suspected heritage value and is not a particularly good specimen.
11	Remove	This tree is in the location of the proposed works and hence must be removed. It is of no known or suspected heritage value.
12	Remove	Whilst this tree is a native and indigenous species and an excellent specimen, it is in the location of the proposed works and as such, the works are unable to proceed without the removal of this tree.
13	Remove	Whilst this tree is a native and indigenous species, it is in the location of the proposed works and as such, the works are unable to proceed without the removal of this tree.
14	Remove	Whilst this tree is a native and indigenous species, it is in the location of the proposed works and as such, the works are unable to proceed without the removal of this tree. Additionally, the significant failure within this tree combined with the species, suggest that there may be fungal decay in the main trunk.
15	Remove	Whilst this tree is a native and indigenous species, it is in the location of the proposed works and as such, the works are unable to proceed without the removal of this tree.
16	Remove	This tree is in the location of the works and is a significant weed species.
17	Remove	Whilst this tree is a native and indigenous species, it is in the location of the proposed works and as such, the works are unable to proceed without the removal of this tree.
18	Remove	Whilst this tree is a native and indigenous species, it is in the location of the proposed works and as such, the works are unable to proceed without the removal of this tree.
19	Remove	Whilst this tree is a native and indigenous species, it is in the location of the proposed works and as such, the works are unable to proceed without the removal of this tree. It is also noted that the significant failures within this tree combined with the species suggest that there is likely fungal decay within the tree
20	Remove	Whilst this tree is a native and indigenous species, it is in the location of the proposed works and as such, the works are unable to proceed without the removal of this tree.
21	Retain	This tree is not located such that removal is not required although it will likely need management as it grows so that it does not rub against the building.

The recommendations and justification are provided in table 4 (above). Council may require compensatory plantings and whilst ideally these would be species which are indigenous to the location, given Maitland's strong heritage, such planting may also be exotic species such as would be appropriate in a heritage location.

7.0 CONCLUSION

This Arborist report has been prepared for *All Saints College* on the corner of Odd and Hunter Street Horseshoe Bend. In total, 21 trees have been assessed and it is recommended that 4 be retained. Of the 17 trees to be removed, one is dying, one is within close proximity to the propose structure such that the SRZ and TPZ will be impacted upon, and all the others are within the development footprint and as such are physically unable to be retained.

Council may require compensatory planting to offset the trees being removed.

8.0 DISCLAIMER

All effort has been made to ensure the accuracy of this report, however, it is noted that Arboriculture is an inexact science. This report in no way guarantees the safety of any of the tree(s) relevant to this report, or otherwise on the subject or adjoining sites, now or post works.

It is reiterated that no aerial inspection was carried out on any of these trees.