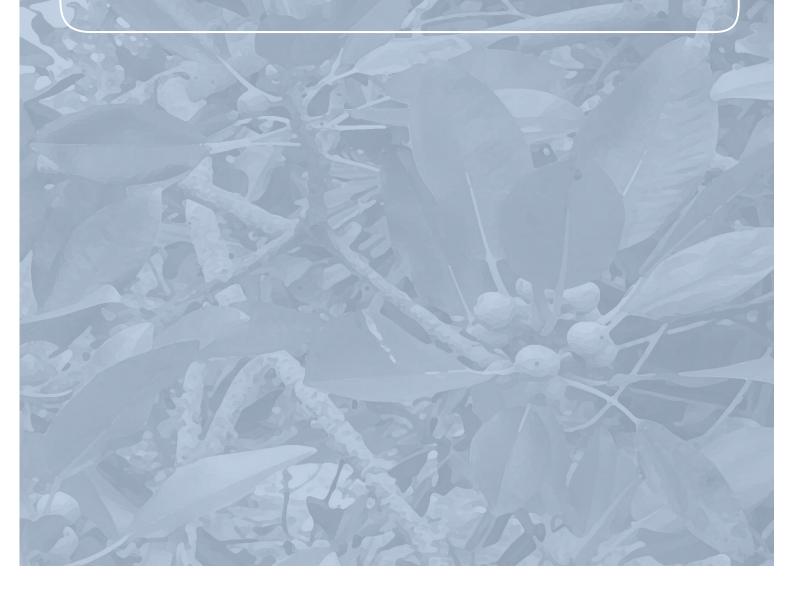
ARBORICULTURAL IMPACT ASSESSMENT REPORT

Green Square ICFS

Address: 3 Joynton Avenue, Zetland Prepared for: Colliers



DOC No: ARB-2114-001 JOB No: 2114 REV: B DATE: 03.06.2021

PREPARED BY: Guy Sturt B L Arch (UNSW) AILA Registered Landscape Architect Dip. Arboriculture AQF5 Consulting Arborist

STURT NOBLE ARBORICULTURE Suite 91, 330 Wattle Street, ULTIMO NSW 2007 Tel. (02) 9211 3744



CONTENTS

1.0	INTF	RODUC	TION	2
	1.1	Purpo	se of this Report	2
	1.2	Backg	ground	2
	1.3	The P	roposal	2
	1.4	Forese	eeable Construction Impacts	3
2.0	PLA	NNING	CONTROLS	4
	2.1	Counc	cil Consent	4
3.0	THE	EXISTI	ING SITE	5
	3.1	The S	ite	5
	3.2	Soils		5
	3.3	The T	rees	6
	3.4	Specia	al Tree Conditions	6
4.0	ABC	RICUL	TURE IMPACT ASSESSMENT	7
	4.1	Const	ruction Assumptions	7
	4.2	Trees	to be removed	7
5.0	CON		ON	8
6.0	DISC	CLAIME	ER	9
7.0	REF	ERENC	CES	10
APP	END	X 1:	METHODOLOGY	11
APP	END	X 2:	PLANS	14
APP	END	X 3:	TREE ASSESSMENT SCHEDULE	15

1.0 INTRODUCTION

1.1 **Purpose of this Report**

Sturt Noble Arboriculture was engaged by Colliers to assess existing trees, prepare an Arboricultural Impact Assessment Report in relation to the proposed demolition and construction at 3 Joynton Avenue, Zetland.

The purpose of this report is to:

- To assess and review the condition of existing trees by undertaking a Visual Tree Assessment
- Assess each individual tree's suitability to be retained as a sustainable part of the proposed development in the long term, considering the likely impacts of works proposed.
- Provide recommendations for tree removal, retention and protection.
- Provide recommendations where appropriate to enable trees to be retained or have better long term health outcomes and minimize potentials for hazard.
- To provide information on appropriate tree protection measures, appropriate setbacks, constraints and tree management procedures during site works.

This report has been carried out as per the Methodology outlined in **Appendix 1**

1.2 Background

The preparation of this report has been prepared in awareness and consideration of the following standards, controls and guidelines:

- Green Square Town Centre DCP 2012
- City of Sydney Tree Management Policy 2013
- Australian Standard AS4970-2009 Protection of Trees on Development Sites
- Australian Standard AS4373-2007 *Pruning of Amenity Trees*
- Australian Standard AS2303-2015 Tree Stock for Landscape Use

1.3 The Proposal

This impact assessment has been prepared based on the following plans:

- 17495detail, SURVEY PLAN SHOWING DETAIL & LEVELS & PROPOSED BOUNDARIES OVER LOT 2 IN D.P.1174641 No. 3 JOYNTON AVENUE ZETLAND NSW 2017, 04/05/2021 prepared by CMS Surveyors Pty Ltd
- 1935 Green Square Integrated Community Facility and School, L-100 Revision E 100% Design Development, Site Plan – Ground Floor, 24/05/2021 prepared by Turf Design Studio

Refer to plans in **Appendix 2**

The proposed works to the site include:

Demolition of existing South Sydney Hospital Building

- Demolition of existing Community Hall
- Demolition of associated landscape works and carparks
- Construction of a new ICFS building
- Installation of surrounding hardscape works
- Nominated planting areas and softscape works
- Associated works

1.4 Foreseeable Construction Impacts

Foreseeable impacts noted from the proposed development, construction type and anticipated methodology include:

- Excavations for new ICFS building
- Excavations for surrounding hardscape works
- Excavations and trenching for underground services
- Ripping or cultivation of soil for landscaped areas
- Soil level changes including the placement of fill material for the footings and to make up grades to landscape areas.
- Laying impermeable paving to paths and slabs.
- Movement and storage of prefabricated items, plant, equipment & vehicles;
- Erection of site sheds;
- Storage of building materials, waste and waste receptacles.

2.0 PLANNING CONTROLS

2.1 Council Consent

Green Square Town Centre DCP notes that approval is required to ringbark, cut down, top, lop, prune, remove, injure or wilfully destroy a tree that:

- has a height of 5 metres or more
- has a canopy spread of over 5 metres
- has a trunk diameter of more than 300mm measured at ground level
- is listed in the Register of Significant Trees

Green Square Town Centre DCP notes that approval is not required to ringbark, cut down, top, lop, prune, remove, injure or wilfully destroy the following tree species:

Celtis sinensis

Green Square Town Centre DCP also notes that recommendations for tree removal must be based on arboricultural findings only. Removals where the reason given is to permit the proposed development will not be accepted.

As a result of these planning controls, the following should be noted:

 Trees 1, 2, 20, 21 and 22 are *Celtis sinensis* so development consent will not be needed to prune or cut down these trees

3.0 THE EXISTING SITE

3.1 The Site

The site is located at 3 Joynton Avenue, Zetland over Lot 2 in DP1174641. The site currently contains the two buildings from the original South Sydney Hospital, one that has become the Goodstart Waranara Early Education Centre, a carpark, new open space and recreational landscape facilities such as tree plantings, table tennis tables, picnic settings and a basketball half-court as well as some construction sites and site sheds. The site is defined by Joynton Avenue to the south-east and Portman Street to the north-west. High-density residential properties lie to the west while construction sites are located to the north and east and Matron Ruby Grant park to the south.

The site contains some new tree plantings to open space areas. Close to the old hospital building there are some more mature trees. Trees on site generally receive full sun exposure.

Figure 1: Location Plan



3.2 Soils

The site is located on gently undulating coastal dunefields called the Tuggerah soil landscape, similar to the extensive dune system of the Botany Lowlands. This soil type is at a high risk of wind erosion and has very low soil fertility as well as a permanently high watertable as a result of its high sand content.

Vegetation on the site was once dry sclerophyll Eucalypt and Apple woodland but has been almost completely cleared. Most of the Tuggerah soil landscape has been taken up by residential development though areas such as Botany have been developed for heavy industry and many golf courses are spotted throughout the area.

3.3 The Trees

Twenty-eight (28) trees located in close vicinity to the proposed development footprint have been surveyed as part of this assessment. The trees consist of five (5) mature native palms, ten (15) newly planted native and exotic species, five (5) self-sown weed species, two (2) senescent native trees and one (1) mature tree. Refer to **Appendix 2** for tree locations.

Each of the trees assessed has been allocated a Sustainable Retention Index Value (SRIV) that is based on their health, vigour, structure and age class. The SRIV does not take into account the impact of the proposed development.

A complete and detailed tree assessment schedule was prepared and is included in **Appendix 3**.

3.4 Special Tree Conditions

No trees within the vicinity of the site are listed on the City of Sydney Register of Significant Trees

4.0 ABORICULTURE IMPACT ASSESSMENT

4.1 Construction Assumptions

It is assumed for this report that excavation for the ICFS building will not extend greater than 500mm from the building envelope; and this limit can be considered to be the extent of disturbance to the root zones with the exception of service lines.

We note that preliminary service concept layouts have not been provided and will not be considered at this stage of the report.

Further detail of site works are required particularly details of excavation extent of services (water, telecoms and electrical), design details and levels of pavements and planter edgings, and level changes particularly within the TPZ of any trees proposed for retention. This should be provided prior to construction so any additional impacts can be assessed.

4.2 Trees to be removed

The plans show that 28 of the 28 trees will need to be removed. Trees 3 - 19 fall within the footprint of the proposed works and will need to be removed. Trees 1, 2, 20, 21 and 22 are *Celtis sinensis* and are exempt from Council approval.

Trees 24 – 28 are within the footprint of the proposed Ruby Lane passageway and should be removed. Details of the proposed passageway are not visible on the plans however the proposal has been endorsed by the Green Square Precinct Team at City of Sydney Council as a vital connection for accessibility, waste collection and emergency egress.

Table 1: Trees to be removed

Exempt species	Trees within the proposed works footprint
1, 2, 20, 21, 22	3 – 19, 24 – 28

5.0 CONCLUSION

28 trees have been considered on the site as part of this assessment and their locations are shown in **Appendix 1**. 18 of them are exotic and 10 are native trees.

Trees 1, 2, 20, 21 and 22 are *Celtis sinensis* so development consent will not be needed to remove these trees. Trees 3 - 19 fall within the footprint of the proposed works and will need to be removed. Trees 24 - 28 are within the footprint of the proposed Ruby Lane passageway and should be removed.

28 of the 28 trees on site will need to be removed on the development site.

Table 1: Trees to be removed

Exempt species	Trees within the proposed works footprint
1, 2, 20, 21, 22	3 – 19, 24 – 28

The plan in **Appendix 2** indicates the locations of the trees to be removed in relation to the proposed development.

6.0 **DISCLAIMER**

The author and Sturt Noble Arboricultural Consulting take no responsibility for actions taken and their consequences, contrary to those expert and professional instructions given as recommendations.

This is not a hazard assessment report and it should be noted that trees are always inherently dangerous. This assessment was carried out from the ground, and covers what was reasonably able to be assessed and available to the assessor at the time of inspection. No aerial or subterranean inspections were carried out and structural weakness may exist within roots, trunk or branches.

Any protection or preservation methods recommended are not a guarantee of tree survival or safety but are designed to improve vigour and reduce risk. Timely inspections and reports are necessary to monitor the trees' condition. No responsibility is accepted for damage or injury caused by the trees and no responsibility is accepted if the recommendations in this report are not followed.

Limitations on the use of this report: Trees are dynamic living structures, growing and adapting to conditions around them. Tree condition will change and vary over time depending on weather, environmental factors and mechanical or human interaction.

This report is to be utilised in its entirety only. Any written or verbal submission, report or presentation that includes statements taken from the findings, discussions, conclusions or recommendations made in this report, may only be used where the whole of the original report (or a copy) is referenced in, and directly attached to that submission, report or presentation.

Assumptions: Care has been taken to obtain information from reliable resources. All data have been verified insofar as possible; however, Sturt Noble Arboricultural Consulting can neither guarantee nor be responsible for the accuracy of information provided by others.

Unless stated otherwise: Information contained in this report covers only the trees that were examined and reflects the condition of the trees at the time of inspection.

Assessment is limited to the conditions at the time of the inspection and only trees discussed in the report have been assessed.

Where access to the base of the tree is limited, such as difficult site access due to site conditions, only general comments can be made. Assessment of tree health and structure is limited to that visible from the site of proposed works and may not reflect the true condition of the tree. Assessment of tree health and structure is limited to that visible from the site of proposed works and may not reflect the true condition of the tree.

Plans used to assess likely impact are those appended/ referenced.

Ongoing monitoring of all trees is advised and where significant changes are observed, further advice should be requested. Unusual developments or sudden changes in a tree's condition should be addressed immediately.

7.0 REFERENCES

Chapman, G. A & Murphy, C. L, 1989 Soil landscapes of the Sydney 1:100,000 sheet (9130) Pub. NSW Govt.

Draper, D.B and Richards, P.A (2009) Dictionary for managing Trees in Urban Environments, (IACA) Institute of Australian Consulting Arboriculturists ©. Pub. CSIRO Publishing, Melbourne.

IACA, 2010, Sustainable Retention Index Value Matrix (SRIV) Version 4, A visual method of objectively rating the viability of urban trees for development sites and management, based on general tree and landscape assessment criteria, Institute of Australian Consulting Arborculturists, Australia, www.iaca.org.au.

Googlemaps © Google 2021

Soil landscapes from espade.environment.nsw.gov.au © State of NSW and Department of Planning, Industry and Environment 2021

Standards Australia (2007) Australian Standard AS4373-2007 *Pruning of Amenity Trees,* Pub. Standards Australia, Sydney.

Standards Australia (2009) Australian Standard AS4970-2009 *Protection of Trees on Development Sites*, Pub. Standards Australia, Sydney.

APPENDIX 1: METHODOLOGY

A1.1 Site Inspection

This report, its comments and recommendations have been prepared based on the information gathered during a detailed site inspection carried out on the on the 7th April 2021. This assessment is summarised in **Appendix 1**.

A1.2 Tree Locations

The location of the subject trees are based on the site survey, 17495detail, 04/05/2021 prepared by CMS Surveyors Pty Ltd.

A1.3 Visual Tree Assessment

The trees were assessed from the ground by the Visual Tree Assessment (VTA) method as described in Mattheck & Breloer (1994), using non-invasive tools such as binoculars and acoustic mallet. No digging or exposing of the root zones occurred in this inspection and no aerial inspection by climbing was performed. No aerial inspection or diagnostic testing was undertaken as part of this assessment.

The following data was collected for each tree:

- Botanical and common name.
- Tree dimensions (approximate only).
- Canopy density (approximate only).
- Overall health and vitality, including epicormic growth, deadwood and predation by pests and diseases.
- Structural condition including evident faults such as Bark Inclusions or poor branch attachments, decay, cavities and mechanical or biological damage.
- Stability of the tree including excessive trunk lean, stability of the soil, soil cracking, soil heaving, exposed roots and root damage.

A1.4 Retention Value

Each tree has been given a Sustainable Retention Index Value (SRIV) according to the rating system set out in the Sustainable Retention Index Value Matrix (refer to the table in section A1.8). The SRIV for each tree is based on its health, vigour, structure and age class as established in the Visual Tree Assessment. The SRIV does not take into account the impact of the proposed development.

A1.5 Landscape Significance Assessment

Landscape Significance is an essential criterion to establish the importance that a particular tree may have on a site. Each tree has been given a Tree Significance in landscape rating based on the 'IACA Significance of a Tree, Assessment Rating System'. A tree is to have a minimum of three criteria in a category to be applicable for that rating.

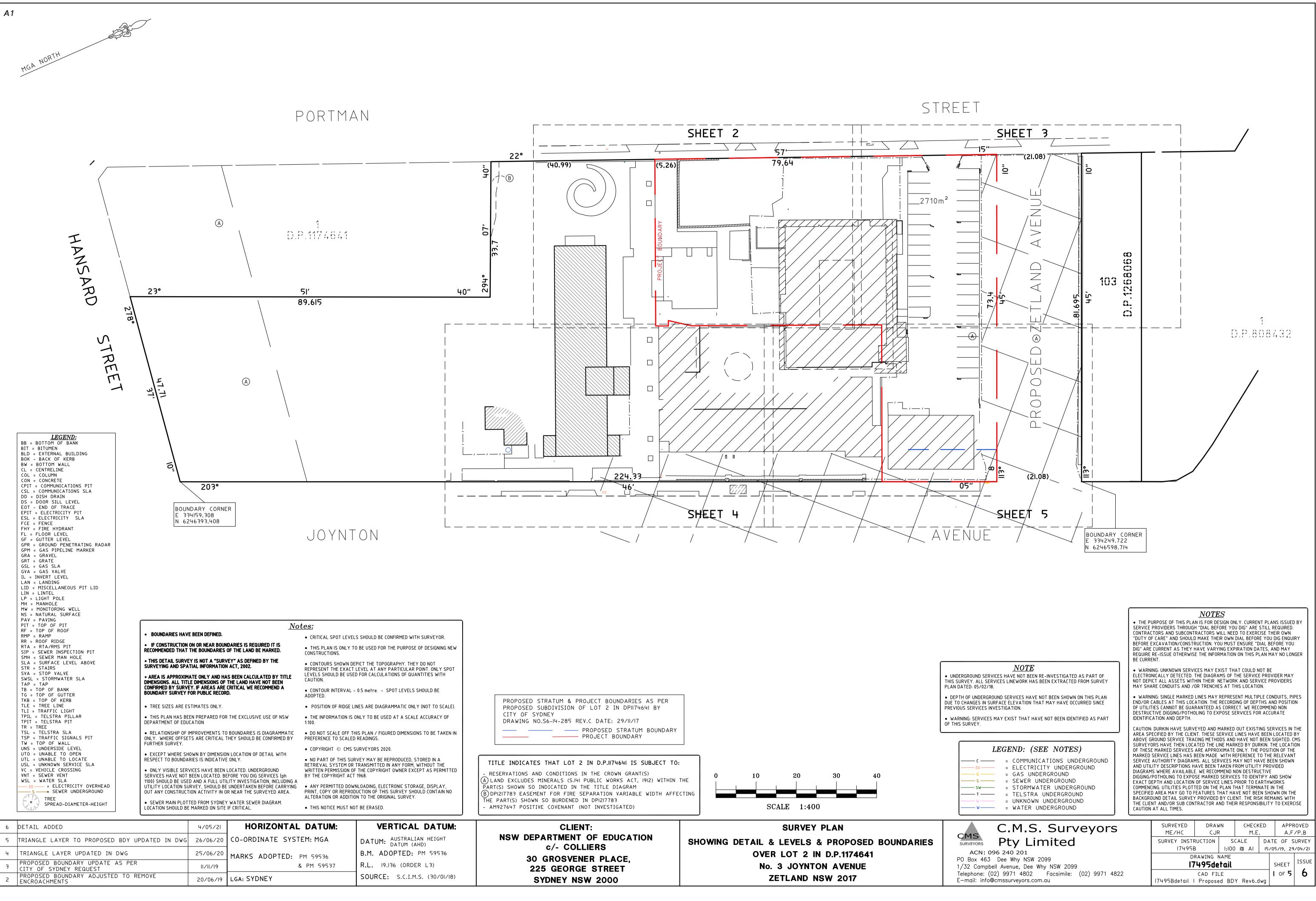
Tree Significance in the landscape ratings:

High	Medium	Low
 The tree is in good condition and good vigour; The tree has a form typical for the species; The tree is a remnant or is a planted locally indigenous specimen and/or is rare or uncommon in the local area or of botanical interest or of substantial age; The tree is listed as a Heritage Item, Threatened Species or part of an Endangered ecological community or listed on Councils significant Tree Register; The tree is visually prominent and visible from a considerable distance when viewed from most directions within the landscape due to its size and scale and makes a positive contribution to the local amenity; The tree supports social and cultural sentiments or spiritual associations, reflected by the broader population or commemorative values; The tree's growth is unrestricted by above and below ground influences, supporting its ability to reach dimensions typical for the taxa in situ - tree is appropriate to the site conditions. 	 The tree is in fair-good condition and good or low vigour; The tree has form typical or atypical of the species; The tree is a planted locally indigenous or a common species with its taxa commonly planted in the local area The tree is visible from surrounding properties, although not visually prominent as partially obstructed by other vegetation or buildings when viewed from the street, The tree provides a fair contribution to the visual character and amenity of the local area, The tree's growth is moderately restricted by above or below ground influences, reducing its ability to reach dimensions typical for the taxa in situ. 	 The tree is in fair-poor condition and good or low vigour; The tree has form atypical of the species; The tree is not visible or is partly visible from surrounding properties as obstructed by other vegetation or buildings, The tree provides a minor contribution or has a negative impact on the visual character and amenity of the local area, The tree is a young specimen which may or may not have reached dimension to be protected by local Tree Preservation orders or similar protection mechanisms and can easily be replaced with a suitable specimen, The tree's growth is severely restricted by above or below ground influences, unlikely to reach dimensions typical for the taxa in situ - tree is inappropriate to the site conditions, The tree is listed as exempt under the provisions of the local Council Tree Preservation Order or similar protection mechanisms, The tree has a wound or defect that has potential to become structurally unsound. Environmental Pest / Noxious Weed Species The tree is an Environmental Pest Species due to its invasiveness or poisonous/ allergenic properties, The tree is a declared noxious weed by legislation. Hazardous/Irreversible Decline The tree is three read noxious weed by legislation. Hazardous/Irreversible Decline The tree is nireversible decline, or has the potential to fail or collapse in full or part in the immediate to short term.

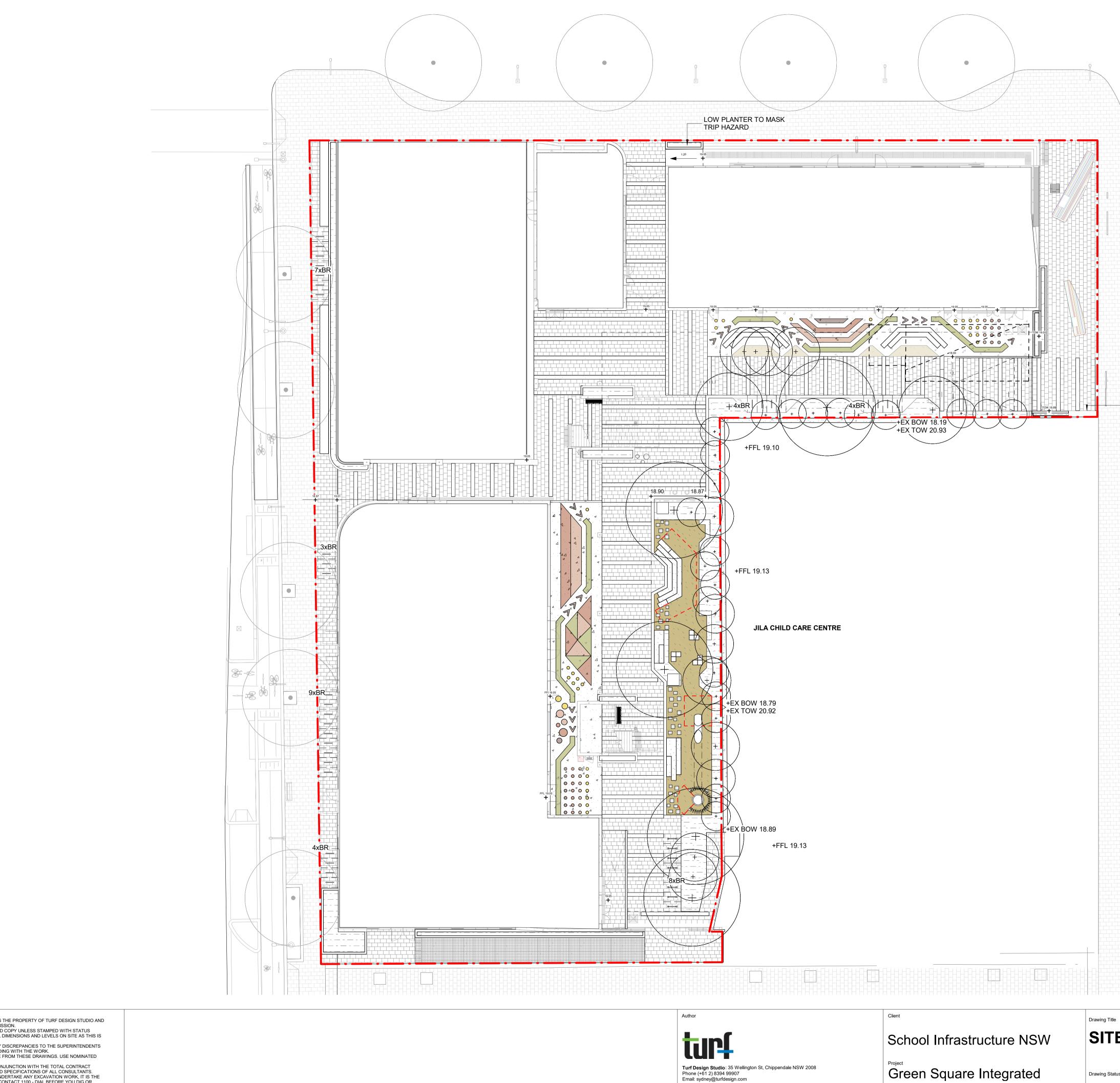
A1.6 SRIV Table

		Vigou	r Class and Condition	on Class		INSTITUTE OF AUSTRALIAN CONSULTING ADDIRICULULARS ADDIRICULULARS
Age Class	Good Vigour & Good Condition	Good Vigour & Fair Condition	Good Vigour & Poor Condition	Low Vigour & Good Condition	Low Vigour & Fair Condition	Low Vigour & Poor Condition
o e	(GVG)	(GVF)	(GVP)	(LVG)	(LVF)	(LVP)
Ag	Able to be retained if sufficient space available above and below ground for future growth. No remedial work or improvement to growing environment required. May be subject to high vigour. Retention potential - Medium - Long Term.	Able to be retained if sufficient space available above and below ground for future growth. Remedial work may be required or improvement to growing environment may assist. Retention potential - Medium Term. Potential for longer with remediation or favourable environmental conditions	Able to be retained if sufficient space available above and below ground for future growth. Remedial work unlikely to assist condition, improvement to growing environment may assist. Retention potential - Short Term. Potential for longer with remediation or favourable environmental conditions.	May be able to be retained if sufficient space available above and below ground for future growth. No remedial work required, but improvement to growing environment may assist vigour. Retention potential - Short Term. Potential for longer with remediation or favourable environmental conditions.	May be able to be retained if sufficient space available above and below ground for future growth. Remedial work or improvement to growing environment may assist condition and vigour. Retention potential - Short Term. Potential for longer with remediation or favourable environmental conditions.	Unlikely to be able to be retained if sufficient space available above and below ground for future growth. Remedial work or improvement to growing environment unlikely to assist condition or vigour. Retention potential - Likely to be removed immediately or retained for Short Term. Potential for longer with remediation or favourable environmental conditions
5	YGVG - 9	YGVF - 8	YGVP - 5	YLVG - 4	YLVF - 3	YLVP - 1
(Y) gnuoY	Index Value 9 Retention potential - Long Term. Likely to provide minimal contribution to local amenity if height Retain, move or replace	Index Value 8 Retention potential - Short - Medium Term. Potential for longer with improved growing conditions. Likely to provide minimal contribution to local amenity if height Medium-high potential for future growth and adaptability. Retain, move or replace.	Index Value 5 Retention potential - Short Term. Potential for longer with improved growing conditions. Likely to provide minimal contribution to local amenity if height Low-medium potential for future growth and adaptability. Retain, move or replace	Index Value 4 Retention potential - Short Term. Potential for longer with improved growing conditions. Likely to provide minimal contribution to local amenity if height Medium potential for future growth and adaptability. Retain, move or replace	Index Value 3 Retention potential - Short Term. Potential for longer with improved growing conditions. Likely to provide minimal contribution to local amenity if height <5m. Low-medium potential for future growth and adaptability. Retain, move or replace	Index Value 1 Retention potential - Likely to be removed immediately or retained for Short Term. Likely to provide minimal contribution to local amenity if height
Ê	MGVG - 10	MGVF - 9	MGVP - 6	MLVG - 5	MLVF - 4	MLVP - 2
Mature (M)	Index Value 10 Retention potential - Medium - Long Term	Index Value 9 Retention potential - Medium Term. Potential for longer with improved growing conditions.	Index Value 6 Retention potential - Short Term. Potential for longer with improved growing conditions	Index Value 5 Retention potential - Short Term. Potential for longer with improved growing conditions	Index Value 4 Retention potential - Short Term. Potential for longer with improved growing conditions	Index Value 2 Retention potential - Likely to be removed immediately or retained for Short Term.
ି	OGVG - 6	OGVF - 5	OGVP - 4	OLVG - 3	OLVF - 2	OLVP - 0
Over-mature (O)	Index Value 6 Retention potential - Medium - Long Term.	Index Value 5 Retention potential - Medium Term.	Index Value 4 Retention potential - Short Term.	Index Value 3 Retention potential - Short Term. Potential for longer with improved growing conditions.	Index Value 2 Retention potential - Short Term.	Index Value 0 Retention potential - Likely to be removed immediately or retained for Short Term

APPENDIX 2: PLANS







 GENERAL NOTES
 THIS DRAWING IS COPYRIGHT AND IS THE PROPERTY OF TURF DESIGN STUDIO AND MUST NOT BE USED WITHOUT PERMISSION.
 THIS DRAWING IS AN UNCONTROLLED COPY UNLESS STAMPED WITH STATUS THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND LEVELS ON SITE AS THIS IS
 NOT A SHOP DRAWING.
 THE CONTRACTOR MUST REFER ANY DISCREPANCIES TO THE SUPERINTENDENTS REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
 THE CONTRACTOR MUST NOT SCALE FROM THESE DRAWINGS. USE NOMINATED DIMENSIONS AND LEVELS.
 THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE TOTAL CONTRACT PACKAGE INCLUDING DRAWINGS AND SPECIFICATIONS OF ALL CONSULTANTS. IF THE CONTRACTOR INTENDS TO UNDERTAKE ANY EXCAVATION WORK, IT IS THE
 CONTRACTORS RESPONSIBLITY TO CONTACT 1100 - DIAL BEFORE YOU DIG OR WWW.1100.COM.AU WWW.1100.COM.AU SURVEY INFORMATION

GENERAL NOTES

8. TURF DESIGN STUDIO DO NOT WARRANT THE ACCURACY OF SURVEY INFORMATION. Rev Date Description

Drawn Checked

ProjectGreen Square IntegratedCommunity Facility and SchoolUNCONTROLLED ISSUE

LIGHTING INTEGRATED ALONG BASE OF SEAT

DRAFT NOT FOR CONSTRUCTION

SITE PLAN

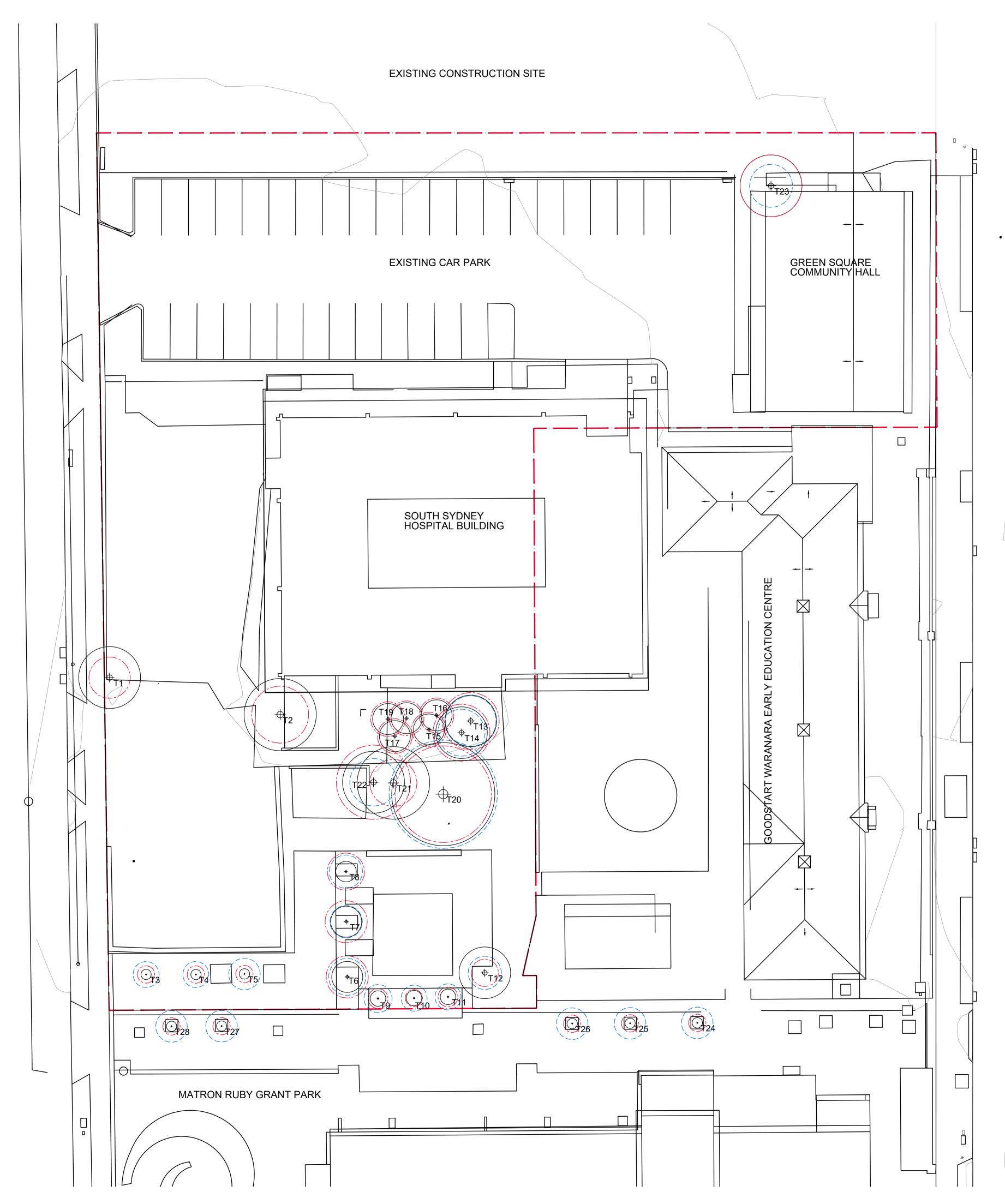


0 2 4 6 8 10 0 SCALE - 1:200 @ A1 , 1:400 @ A3

Scale. 1 : 200 @A1 Project No. 1935

Plot Date 3/06/2021 3:29:12 PM

Drawing No. xL-613 Revision

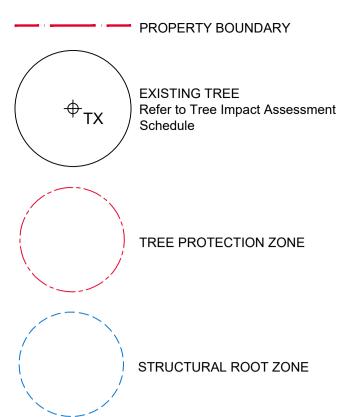


STREET PORTMAN

ш ¥ JOYNTON

11

LEGEND



A ARBORICULTURAL IMPACT ASSESSMENT REPORT 26.05.2021 ISSUE DESCRIPTION

DATE



Suite 91, L5, 330 Wattle St Ultimo NSW 2007 T. 02 9211 3744 W. www.sturtnoble.com.au landscape architecture environmental & urbandesign

PROJECT

GREEN SQUARE ICFS

CLIENT COLLIERS

DRAWING

EXISTING SITE PLAN

DRAWING NUMBER ARB-2114-001



ISSUE А DRAWN CHECKED DIRECTOR jc gs gs 0 2 4 10 m

ACN: 164 245 514 ABN: 99 164 245 514 THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS, REPORTS AND DRAWINGS. COPYRIGHT OF THIS DRAWING IS VESTED IN STURT NOBLE ASSOCIATES PTY LTD.



	DEVELOPMENT	ENCROACHM	ENT ANALYSIS
TREE NO.	TPZ RADIUS (m)	TPZ AREA (m ²)	TPZ ENCROACHMENT (%)
T1	2.00	12.56	<50%
T2	2.76	23.92	<50%
Т3	0.84	2.22	<50%
T4	0.84	2.22	<50%
T5	0.84	2.22	<50%
Т6	2.04	13.07	<50%
T7	2.04	13.07	<50%
Т8	1.80	10.17	<50%
Т9	0.96	2.89	<50%
T10	0.84	2.22	<50%
T11	0.96	2.89	<50%
T12	1.32	5.47	<50%
T13	2.76	23.92	<50%
T14	2.76	23.92	<50%
T15	1.68	8.86	<50%
T16	1.68	8.86	<50%
T17	1.68	8.86	<50%
T18	1.68	8.86	<50%
T19	1.44	6.51	<50%
T20	4.68	68.77	<50%
T21	2.28	16.32	<50%
T22	3.60	40.69	<50%
T23	3.00	28.26	<50%
T24	0.84	2.22	<50%
T25	0.84	2.22	<50%
T26	0.84	2.22	<50%
T27	0.84	2.22	<50%
T28	0.84	2.22	<50%

ш **ΝΟΥΝΤΟΝ**

LEGEND

TX EXISTING TREE Refer to Tree Impact Assessment Schedule
TREES TO BE RETAINED Refer to Tree Impact Assessment Schedule
TREES TO BE REMOVED Refer to Tree Impact Assessment Schedule
TREE PROTECTION ZONE
STRUCTURAL ROOT ZONE

B REVISED ISSUE FOR SINSW A ARBORICULTURAL IMPACT ASSESSMENT REPORT ISSUE DESCRIPTION

03.06.2021 26.05.2021 DATE



Suite 91, L5, 330 Wattle St Ultimo NSW 2007 T. 02 9211 3744 W. www.sturtnoble.com.au landscape architecture environmental & urbandesign

PROJECT

GREEN SQUARE ICFS

CLIENT COLLIERS

DRAWING

TREE REMOVAL AND RETENTION PLAN

DRAWING NUMBER
ARB-2114-002



ISSUE В DRAWN CHECKED DIRECTOR gs gs 0 2 4 10 m

ACN: 164 245 514 ABN: 99 164 245 514 THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS, REPORTS AND DRAWINGS. COPYRIGHT OF THIS DRAWING IS VESTED IN STURT NOBLE ASSOCIATES PTY LTD.

APPENDIX 3: TREE ASSESSMENT SCHEDULE

Tree Assessment Sheet

Loca	ation:	GREEN SQUARE ICFS																											
Clie		_	LLIE																										
Date	:	07.0)4.20						1		101		I	\ <i>r</i>			1						•	0			1		1
Tree No.	Botanical Name / Common Name	TPZ radius (m)	SRZ radius (m)	Dime DBH (mm)	ensio DAB (mm)	Height (m)	Spread EW (m)	Spread NS (m)	Deadwood	Hea Dieback	alth Pests	Diseases	Canopy density %	Vie Foliage size	Foliage colour	Extension growth	Inclusions		ructi Wounds		Decay	Senescent		e Semi Mature		New planting	Retention Value SRIV	Landscape Significance	Comm
1	Celtis sinensis Chinese Nettle Tree	2.00	0.00	100/50 /35/60	0	6	7	6	•	•	•	•	06	G	G	×	•	•	•	•	•				•		YGVG-9	L	Self-sown. Multi-trunk. E Remove
2	Celtis sinensis Chinese Nettle Tree	2.76	0.00	190/230 /200/110	0		11	10	•	•			80	G	G	¥	•	•	•	•	•				•		MGVF-9		Multi-trunk. Self-sown. Ir Exempt species. Remov
3	Zelkova serrata Japanese Zelkova	0.84	1.26	70	100	7	з	3					90	G	G	\prec									•		YGVG-9	L	Remove
4	Zelkova serrata Japanese Zelkova	0.84	1.26	70	100	7	ω	з	•	•	•	•	90	G											•		YGVG-9	L	Remove
5	Zelkova serrata Japanese Zelkova	0.84	1.53	70	160	7	ω	з	•	•	•	•	90	G											•		YGVG-9	L	Remove
6	Melaleuca quinquenervia Broad-leaved Paperbark	2.04	1.79	170	230	9	4	4																	•		YGVG-9	м	Remove
7	Melaleuca quinquenervia Broad-leaved Paperbark	2.04	1.57	170	170	7	4	4																	•		YGVG-9	м	Remove
8	Melaleuca quinquenervia Broad-leaved Paperbark	1.80	1.61	150	180	ω	4	4																	•		YGVG-9	м	Remove
9	Zelkova serrata Japanese Zelkova	0.96	1.36	80	120	7	ω	ы																	•		YGVG-9	L	Remove
10	Zelkova serrata Japanese Zelkova	0.84	1.26	70	100	7	ы	3																	•		YGVG-9	L	Remove
11	Zelkova serrata Japanese Zelkova	0.96	1.26	80	100	7	ω	ω																	•		YGVG-9	L	Remove
12	Jacaranda mimosifolia Jacaranda	1.32	1.61	110	180	8	ი	5														•					YGVG-9	м	Leans to East. Remove
13	<i>Murraya paniculata</i> Orange Jasmine	2.76	2.45	80/60/100/100/ 60/80/80/100	490	œ	6	6	•	•	•	•	80	G	G	~	•	•	•	Small		•					OGVF-5	М	Senescent, multi-trunk, r
14	<i>Murraya paniculata</i> Orange Jasmine	2.76	2.28	60/60/70/20/ 90/100/150	410	8	6	6	•	•	•	•	80	G	G	×	•	•	•				•				OGVF-5	М	Senescent, multi-trunk, r
15	Howea forsteriana Kentia Palm	1.68	0.00	140		ω	റ	6					80	G	G	~							•				MGVG-10	м	Remove
16	Howea forsteriana Kentia Palm	1.68	0.00	140		œ	6	6					80	G	G	\prec							•				MGVG-10	м	Remove
17	Howea forsteriana Kentia Palm	-	0.00	140		œ	6	6					80	G	G	\prec							•				MGVG-10	м	Remove
18	Howea forsteriana Kentia Palm	1.68	0.00	140		œ	6	6					80	G	G	\prec							•				MGVG-10	м	Remove

mments
k Everent enceies
k. Exempt species.
n. Inclusion at base.
nove
ve
nk, root girdling. Remove
nk, root girdling. Remove

Tree Assessment Sheet

_	GREEN SQUARE ICFS																												
Clie		_	LLIE																										
Dat	e:	07.	04.20																										
Tree No.	Botanical Name / Common Name	TPZ radius (m)	SRZ radius (m)	Dim DBH (mm)		m Height (m)	Spread EW (m)	Spread NS (m)	Deadwood	H Dieback	alth Pests	Diseases	Canopy density %	Foliage size	g Foliage colour	Extension growth	Inclusions	o Fractures	truct Wounds	ure Cavities	Decay	Senescent	A Mature	e Semi Mature	-	New planting	Retention Value SRIV	Landscape Significance	Comme
19	Howea forsteriana Kentia Palm	1.44	0.00	120		4	4	4					80	G	G	\prec							•				MGVG-10	м	Remove
20	Celtis sinensis Chinese Nettle Tree	4.68	5.25	170/150/75/180 /150/150/150	3000	11	9	8																			MGVP-6	L	Self-sown. Multi-trunk. Ex Remove
21	Celtis sinensis Chinese Nettle Tree	2.28	0.00	140/120/50		6	8	6																			MGVP-6	L	Poor form. Suppressed. (species. Remove
22	Celtis sinensis Chinese Nettle Tree	3.60	2.30	250/150/50/50	420	10	7	œ																			MGVP-6	L	Poor form. Suppressed. (species. Remove
23	Melia azedarach White Cedar	3.00	2.08	250	330	8	8	8	•	•	•	•	50	ОК	G	G	•	•	•	•	•		•				MLVG-5	м	Remove
24	Zelkova serrata Japanese Zelkova	0.84	1.26	70	100	7	з	ω					90	G	G	\prec									•		YGVG-9	L	Remove
25	Zelkova serrata Japanese Zelkova	0.84	1.26	70	100	7	ω	ω					90	G	G	~									•		YGVG-9	L	Remove
26	Zelkova serrata Japanese Zelkova	0.84	1.26	70	100	7	ω	ω					90	G	G	~									•		YGVG-9	L	Remove
27	Zelkova serrata Japanese Zelkova	0.84	1.26	70	100	7	ω	ω					90	G	G	~									•		YGVG-9	L	Remove
28	Zelkova serrata Japanese Zelkova	0.84	1.26	70	100	7	ω	ω					90	G	G	\prec									•		YGVG-9	L	Remove
											<u> </u>	1								1									
	Legend									Т																			
	Tree to be retained and protected				_		_		_	1																			
	Tree to be removed due to Construction	۱																											
	The state we have all all state at the subsection	-																											

Tree to be removed due to other reason

Dead tree or weed species (exempt and can be removed without consent)

mments
k. Exempt species.
ed. Coppiced. Exempt
ed. Coppiced. Exempt