

IDAS form 1—Application details

(Sustainable Planning Act 2009 version 4.2 effective 3 August 2015)

This form must be used for **ALL** development applications.

You **MUST** complete **ALL** questions that are stated to be a mandatory requirement unless otherwise identified on this form.

For all development applications, you must:

- complete this form (*IDAS form 1—Application details*)
- complete any other forms relevant to your application
- provide any mandatory supporting information identified on the forms as being required to accompany your application.

Attach extra pages if there is insufficient space on this form.

All terms used on this form have the meaning given in the *Sustainable Planning Act 2009* (SPA) or the Sustainable Planning Regulation 2009.

This form and any other IDAS form relevant to your application must be used for development applications relating to strategic port land and Brisbane core port land under the *Transport Infrastructure Act 1994* and airport land under the *Airport Assets (Restructuring and Disposal) Act 2008*. Whenever a planning scheme is mentioned, take it to mean land use plan for the strategic port land, Brisbane core port land or airport land.

PLEASE NOTE: This form is not required to accompany requests for compliance assessment.

Mandatory requirements

Applicant details (Note: the applicant is the person responsible for making the application and need not be the owner of the land. The applicant is responsible for ensuring the information provided on all IDAS application forms is correct. Any development permit or preliminary approval that may be issued as a consequence of this application will be issued to the applicant.)

Name/s (individual or company name in full)

TIM PIDGEON

For companies, contact name

Postal address

23 Pecten Ave

Suburb

Port Douglas

State

QLD

Postcode

4877

Country

Australia

Contact phone number

0740935225

Mobile number (non-mandatory requirement)

0419309493

Fax number (non-mandatory requirement)

Email address (non-mandatory requirement)

pidgeon999@dodge.com.au
@

Applicant's reference number (non-mandatory requirement)

1. What is the nature of the development proposed and what type of approval is being sought?**Table A—Aspect 1 of the application (If there are additional aspects to the application please list in Table B—Aspect 2.)**

a) What is the nature of the development? (Please only tick one box.)

☐ Material change of use ☐ Reconfiguring a lot ☐ Building work ☒ Operational work

b) What is the approval type? (Please only tick one box.)

☐ Preliminary approval under s241 of SPA ☐ Preliminary approval under s241 and s242 of SPA ☒ Development permit
c) Provide a brief description of the proposal, including use definition and number of buildings or structures where applicable (e.g. six unit apartment building defined as a *multi-unit dwelling*, 30 lot residential subdivision etc.)

d) What is the level of assessment? (Please only tick one box.)

☐ Impact assessment ☒ Code assessment
Table B—Aspect 2 of the application (If there are additional aspects to the application please list in Table C—Additional aspects of the application.)

a) What is the nature of development? (Please only tick one box.)

☐ Material change of use ☐ Reconfiguring a lot ☐ Building work ☒ Operational work

b) What is the approval type? (Please only tick one box.)

☐ Preliminary approval under s241 of SPA ☐ Preliminary approval under s241 and s242 of SPA ☐ Development permit
c) Provide a brief description of the proposal, including use definition and number of buildings or structures where applicable (e.g. six unit apartment building defined as a *multi-unit dwelling*, 30 lot residential subdivision etc.)

Removal of (2) tree which have preexisting structural defects

d) What is the level of assessment?

☐ Impact assessment ☒ Code assessment
Table C—Additional aspects of the application (If there are additional aspects to the application please list in a separate table on an extra page and attach to this form.)
☒ Refer attached schedule ☐ Not required

2. Location of the premises (Complete Table D and/or Table E as applicable. Identify each lot in a separate row.)

Table D—Street address and lot on plan for the premises or street address and lot on plan for the land adjoining or adjacent to the premises (Note: this table is to be used for applications involving taking or interfering with water.) (Attach a separate schedule if there is insufficient space in this table.)

- ☐ Street address and lot on plan (All lots must be listed.)
- ☐ Street address and lot on plan for the land adjoining or adjacent to the premises (Appropriate for development in water but adjoining or adjacent to land, e.g. jetty, pontoon. All lots must be listed.)

| Street address | | | | | Lot on plan description | | Local government area (e.g. Logan, Cairns) |
|----------------|----------|------------|--|-----------|-------------------------|------------------------|---|
| Lot | Unit no. | Street no. | Street name and official suburb/ locality name | Post-code | Lot no. | Plan type and plan no. | |
| 52 | | 52 | Muelle St | 4817 | 52.8 | | Port Douglas |
| i) | | | | | | | |
| ii) | | | | | | | |
| iii) | | | | | | | |

Planning scheme details (If the premises involves multiple zones, clearly identify the relevant zone/s for each lot in a separate row in the below table. Non-mandatory)

| Lot | Applicable zone / precinct | Applicable local plan / precinct | Applicable overlay/s |
|------|----------------------------|----------------------------------|----------------------|
| i) | | | |
| ii) | | | |
| iii) | | | |

Table E—Premises coordinates (Appropriate for development in remote areas, over part of a lot or in water not adjoining or adjacent to land e.g. channel dredging in Moreton Bay.) (Attach a separate schedule if there is insufficient space in this table.)

| Coordinates (Note: place each set of coordinates in a separate row) | | | | Zone reference | Datum | Local government area (if applicable) |
|--|----------|----------|-----------|----------------|--|---------------------------------------|
| Easting | Northing | Latitude | Longitude | | | |
| | | | | | <input type="checkbox"/> GDA94 <input type="checkbox"/> WGS84 <input type="checkbox"/> other | |

3. Total area of the premises on which the development is proposed (indicate square metres)

| |
|--|
| |
|--|

4. Current use/s of the premises (e.g. vacant land, house, apartment building, cane farm etc.)

| |
|--|
| |
|--|

5. Are there any current approvals (e.g. a preliminary approval) associated with this application? (Non-mandatory requirement)

☒ No ☐ Yes—provide details below

| List of approval reference/s | Date approved (dd/mm/yy) | Date approval lapses (dd/mm/yy) |
|------------------------------|--------------------------|---------------------------------|
| | | |

6. Is owner's consent required for this application? (Refer to notes at the end of this form for more information.)

☒ No
☐ Yes—complete either Table F, Table G or Table H as applicable

Table F

| | |
|---|----------------|
| Name of owner/s of the land | MCDONALD QUINN |
| I/We, the above-mentioned owner/s of the land, consent to the making of this application. | |
| Signature of owner/s of the land | |
| Date | |

Table G

| | |
|---|--|
| Name of owner/s of the land | |
| <input checked="" type="checkbox"/> The owner's written consent is attached or will be provided separately to the assessment manager. | |

Table H

| | |
|--|--|
| Name of owner/s of the land | |
| <input checked="" type="checkbox"/> By making this application, I, the applicant, declare that the owner has given written consent to the making of the application. | |

7. Identify if any of the following apply to the premises (Tick applicable box/es.)

- ☐ Adjacent to a water body, watercourse or aquifer (e.g. creek, river, lake, canal)—complete Table I
- ☐ On strategic port land under the *Transport Infrastructure Act 1994*—complete Table J
- ☐ In a tidal water area—complete Table K
- ☐ On Brisbane core port land under the *Transport Infrastructure Act 1994* (No table requires completion.)
- ☐ On airport land under the *Airport Assets (Restructuring and Disposal) Act 2008* (no table requires completion)
- ☐ Listed on either the Contaminated Land Register (CLR) or the Environmental Management Register (EMR) under the *Environmental Protection Act 1994* (no table requires completion)

Table I

| |
|--|
| Name of water body, watercourse or aquifer |
| |

Table J

| Lot on plan description for strategic port land | Port authority for the lot |
|---|----------------------------|
| | |

Table K

| Name of local government for the tidal area (if applicable) | Port authority for the tidal area (if applicable) |
|---|---|
| | |

8. Are there any existing easements on the premises? (e.g. for vehicular access, electricity, overland flow, water etc)

☐ No ☒ Yes—ensure the type, location and dimension of each easement is included in the plans submitted

9. Does the proposal include new building work or operational work on the premises? (Including any services)

☒ No ☐ Yes—ensure the nature, location and dimension of proposed works are included in plans submitted

10. Is the payment of a portable long service leave levy applicable to this application? (Refer to notes at the end of this form for more information.)

☒ No—go to question 12 ☐ Yes

11. Has the portable long service leave levy been paid? (Refer to notes at the end of this form for more information.)

☐ No

☐ Yes—complete Table L and submit with this application the yellow local government/private certifier's copy of the receipted QLeave form

Table L

| Amount paid | Date paid (dd/mm/yy) | QLeave project number (6 digit number starting with A, B, E, L or P) |
|-------------|----------------------|--|
| | | |

12. Has the local government agreed to apply a superseded planning scheme to this application under section 96 of the *Sustainable Planning Act 2009*?

☒ No

☐ Yes—please provide details below

| Name of local government | Date of written notice given by local government (dd/mm/yy) | Reference number of written notice given by local government (if applicable) |
|--------------------------|---|--|
| | | |

- 13. List below all of the forms and supporting information that accompany this application** (Include all IDAS forms, checklists, mandatory supporting information etc. that will be submitted as part of this application)

| Description of attachment or title of attachment | Method of lodgement to assessment manager |
|---|---|
| Independent Arborist report | |
| My personal professional feeling on the two trees in question | |
| | |
| | |

14. Applicant's declaration

- ☒ By making this application, I declare that all information in this application is true and correct (Note: it is unlawful to provide false or misleading information)

Notes for completing this form

- Section 261 of the *Sustainable Planning Act 2009* prescribes when an application is a properly-made application. Note, the assessment manager has discretion to accept an application as properly made despite any non-compliance with the requirement to provide mandatory supporting information under section 260(1)(c) of the *Sustainable Planning Act 2009*

Applicant details

- Where the applicant is not a natural person, ensure the applicant entity is a real legal entity.

Question 1

- Schedule 3 of the *Sustainable Planning Regulation 2009* identifies assessable development and the type of assessment. Where schedule 3 identifies assessable development as "various aspects of development" the applicant must identify each aspect of the development on Tables A, B and C respectively and as required.

Question 6

- Section 263 of the *Sustainable Planning Act 2009* sets out when the consent of the owner of the land is required for an application. Section 260(1)(e) of the *Sustainable Planning Act 2009* provides that if the owner's consent is required under section 263, then an application must contain, or be accompanied by, the written consent of the owner, or include a declaration by the applicant that the owner has given written consent to the making of the application. If a development application relates to a state resource, the application is not required to be supported by evidence of an allocation or entitlement to a state resource. However, where the state is the owner of the subject land, the written consent of the state, as landowner, may be required. Allocation or entitlement to the state resource is a separate process and will need to be obtained before development commences.

Question 7

- If the premises is listed on either the Contaminated Land Register (CLR) or the Environmental Management Register (EMR) under the *Environmental Protection Act 1994* it may be necessary to seek compliance assessment. Schedule 18 of the *Sustainable Planning Regulation 2009* identifies where compliance assessment is required.

Question 11

- The *Building and Construction Industry (Portable Long Service Leave) Act 1991* prescribes when the portable long service leave levy is payable.
- The portable long service leave levy amount and other prescribed percentages and rates for calculating the levy are prescribed in the *Building and Construction Industry (Portable Long Service Leave) Regulation 2002*.

Question 12

- The portable long service leave levy need not be paid when the application is made, but the *Building and Construction Industry (Portable Long Service Leave) Act 1991* requires the levy to be paid before a development permit is issued.
- Building and construction industry notification and payment forms are available from any Queensland post office or agency, on request from QLeave, or can be completed on the QLeave website at www.qleave.qld.gov.au. For further information contact QLeave on 1800 803 481 or visit www.qleave.qld.gov.au.

Privacy—The information collected in this form will be used by the Department of Infrastructure, Local Government and Planning (DILGP), assessment manager, referral agency and/or building certifier in accordance with the processing and assessment of your application. Your personal details should not be disclosed for a purpose outside of the IDAS process or the provisions about public access to planning and development information in the *Sustainable Planning Act 2009*, except where required by legislation (including the *Right to Information Act 2009*) or as required by Parliament. This information may be stored in relevant databases. The information collected will be retained as required by the *Public Records Act 2002*.

OFFICE USE ONLY

Date received

Reference numbers

NOTIFICATION OF ENGAGEMENT OF A PRIVATE CERTIFIER

To

Council. I have been engaged as the private certifier for the building work referred to in this application

| Date of engagement | Name | BSA Certification license number | Building classification/s |
|--------------------|------|----------------------------------|---------------------------|
| | | | |

QLEAVE NOTIFICATION AND PAYMENT (For completion by assessment manager or private certifier if applicable.)

| Description of the work | QLeave project number | Amount paid (\$) | Date paid | Date receipted form sighted by assessment manager | Name of officer who sighted the form |
|-------------------------|-----------------------|------------------|-----------|---|--------------------------------------|
| | | | | | |

The *Sustainable Planning Act 2009* is administered by the Department of Infrastructure, Local Government and Planning. This form and all other required application materials should be sent to your assessment manager and any referral agency.

IDAS form 6—Building or operational work assessable against a planning scheme

(Sustainable Planning Act 2009 version 3.1 effective 3 August 2015)

This form must be used for development applications for building work or operational work assessable against a planning scheme.

You **MUST** complete **ALL** questions that are stated to be a mandatory requirement unless otherwise identified on this form.

For all development applications, you must:

- complete *IDAS form 1—Application details*
- complete any other forms relevant to your application
- provide any mandatory supporting information identified on the forms as being required to accompany your application.

Attach extra pages if there is insufficient space on this form.

All terms used on this form have the meaning given in the *Sustainable Planning Act 2009* (SPA) or the Sustainable Planning Regulation 2009.

This form must be used for building work or operational work relating on strategic port land and Brisbane core port land under the *Transport Infrastructure Act 1994* and airport land under the *Airport Assets (Restructuring and Disposal) Act 2008* that requires assessment against the land use plan for that land. Whenever a planning scheme is mentioned, take it to mean land use plan for the strategic port land, Brisbane core port land or airport land.

Mandatory requirements

1. What is the nature of the work that requires assessment against a planning scheme? (Tick all applicable boxes.)

☐

Building work—complete Table A

☒

Operational work—complete Table B

Table A

- a) What is the nature of the building work (e.g. building, repairing, altering, underpinning, moving or demolishing a building)?

TREE REMOVAL

- b) Are there any current approvals associated with this application? (e.g. material change of use.)

☒

No

☐

Yes— provide details below

| List of approval reference/s | Date approved (dd/mm/yy) | Date approval lapses (dd/mm/yy) |
|------------------------------|--------------------------|---------------------------------|
| | | |
| | | |

40.2016.1819.1

\$304.85

Table B

a) What is the nature of the operational work? (Tick all applicable boxes.)

- ☐ Road works ☐ Stormwater ☐ Water infrastructure
☐ Drainage works ☐ Earthworks ☐ Sewerage infrastructure
☐ Landscaping ☐ Signage ☒ Clearing vegetation under the planning scheme
☐ Other—provide details

b) Is the operational work necessary to facilitate the creation of new lots? (E.g. subdivision.)

- ☒ No ☐ Yes—specify the number of lots being created

c) Are there any current approvals associated with this application? (E.g. material change of use.)

- ☒ No ☐ Yes—provide details below

| List of approval reference/s | Date approved (dd/mm/yy) | Date approval lapses (dd/mm/yy) |
|------------------------------|--------------------------|---------------------------------|
| | | |
| | | |

2. What is the dollar value of the proposed building work?
(Inc GST, materials and labour.)

\$

3. What is the dollar value of the proposed operational work?
(Inc GST, materials and labour.)

\$

3000

Mandatory supporting information

4. Confirm that the following mandatory supporting information accompanies this application

| Mandatory supporting information | Confirmation of lodgement | Method of lodgement |
|---|------------------------------------|---------------------|
| All applications involving building work or operational work | | |
| <p>A site plan drawn to an appropriate scale (1:100, 1:200 or 1:500 are recommended scales) which shows the following:</p> <ul style="list-style-type: none"> the location and site area of the land to which the application relates (<i>relevant land</i>) the north point the boundaries of the relevant land the allotment layout showing existing lots, any proposed lots (including the dimensions of those lots), existing or proposed road reserves, building envelopes and existing or proposed open space (note: numbering is required for all lots) any existing or proposed easements on the relevant land and their function any access limitation strips all existing and proposed roads and access points on the relevant land. | <input type="checkbox"/> Confirmed | |

| | | |
|--|--|--|
| <ul style="list-style-type: none"> • catchpit, manhole and pipeline locations • drainage details (if applicable) • cross road drainage culverts (if applicable) • concrete footpaths and cycle paths • location and details for access points, ramps and invert crossings • changes in surfacing material. | | |
| Applications for operational work involving stormwater drainage | | |
| Drawings showing: <ul style="list-style-type: none"> • existing and proposed contours • drainage locations, diameters and class of pipe, open drains and easements • manhole location, chainage and offset or coordinates and inlet and outlet invert levels • inlet pit locations, chainage and offset or coordinates and invert and kerb levels. | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |
| Applications for operational work involving water reticulation | | |
| Drawings showing: <ul style="list-style-type: none"> • kerb lines or edge of pavement where kerb is not constructed • location and levels of other utility services where affected by water reticulation works • pipe diameter, type of pipe and pipe alignment • water main alignments • water supply pump station details (if applicable) • minor reservoir details (if applicable) • conduits • location of valves and fire hydrants • location of house connections (if applicable) • location of bench marks and reference pegs. | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |
| Applications for operational work involving sewerage reticulation | | |
| Drawings showing: <ul style="list-style-type: none"> • location of all existing and proposed services • location of all existing and proposed sewer lines and manhole locations • location of all house connection branches • kerb lines or edge of pavement where kerb is not constructed • chainages • design sewer invert levels • design top of manhole levels • type of manhole and manhole cover • pipe diameter, type of pipe and pipe alignment • location of house connections (if applicable) • sewer pump station details (if applicable). | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |
| Applications for operational work involving street lighting | | |
| Drawings showing: <ul style="list-style-type: none"> • location of all light poles and service conduits • location of all other cross road conduits • type of wattage and lighting • any traffic calming devices • additional plans for roundabouts and major roads (if applicable) • details of any variations to normal alignment | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |

| | | |
|---|--|--|
| A statement about how the proposed development addresses the local government's planning schemes and any other planning documents relevant to the application. | <input type="checkbox"/> Confirmed | |
| A statement addressing the relevant part(s) of the State Development Assessment Provisions (SDAP). | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |
| Applications for building work (including extensions and demolition that is assessable development) | | |
| <p>Floor plans drawn to an appropriate scale (1:50, 1:100 or 1:200 are recommended scales) which show the following:</p> <ul style="list-style-type: none"> the north point the intended use of each area on the floor plan (for commercial, industrial or mixed use developments only) the room layout (for residential development only) with all rooms clearly labelled the existing and the proposed built form (for extensions only) the gross floor area of each proposed floor area. | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |
| Elevations drawn to an appropriate scale (1:100, 1:200 or 1:500 are recommended scales) which show plans of all building elevations and facades, clearly labelled to identify orientation (e.g. north elevation). | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |
| Plans showing the size, location, proposed site cover, proposed maximum number of storeys, and proposed maximum height above natural ground level of the proposed new building work. | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |
| Plans showing the extent of any demolition that is assessable development. | <input checked="" type="checkbox"/> Confirmed <input type="checkbox"/> Not applicable | |
| Applications for operational work involving earthworks (filling and excavating) | | |
| <p>Drawings showing:</p> <ul style="list-style-type: none"> existing and proposed contours areas to be cut and filled the location and level of any permanent survey marks or reference stations used as datum for the works the location of any proposed retaining walls on the relevant land and their height the defined flood level (if applicable) the fill level (if applicable). | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |
| Applications for operational work involving roadworks | | |
| <p>Drawings showing:</p> <ul style="list-style-type: none"> existing and proposed contours the centreline or construction line showing chainages, bearings, offsets if the construction line is not the centreline of the road and all intersection points information for each curve including tangent point chainages and offsets, curve radii, arc length, tangent length, superelevation (if applicable) and curve widening (if applicable) kerb lines including kerb radii (where not parallel to centreline) and tangent point changes (where not parallel to centreline) edge of pavement where kerb is not constructed position and extent of channelisation location and details of all traffic signs, guideposts, guardrail and other street furniture pavement markings including details on raised pavement markers | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |

| | | |
|---|--|--|
| <ul style="list-style-type: none"> • details of lighting levels. | | |
| Applications for operational work involving public utility services | | |
| Drawings showing: <ul style="list-style-type: none"> • any existing light poles and power poles • any existing underground services • details of proposed services • alteration to existing services. | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |
| Applications for operational work involving landscaping works | | |
| Drawings showing: <ul style="list-style-type: none"> • the location of proposed plant species • a plant schedule indicating common and botanical names, pot sizes and numbers of plants • planting bed preparation details including topsoil depth, subgrade preparation, mulch type and depth, type of turf, pebble, paving and garden edge • the location and type of any existing trees to be retained • construction details of planter boxes, retaining walls and fences • the proposed maintenance period • irrigation system details. | <input type="checkbox"/> Confirmed <input checked="" type="checkbox"/> Not applicable | |

Privacy—Please refer to your assessment manager, referral agency and/or building certifier for further details on the use of information recorded in this form.

OFFICE USE ONLY

Date received

Reference numbers

The *Sustainable Planning Act 2009* is administered by the Department of Infrastructure, Local Government and Planning. This form and all other required application materials should be sent to your assessment manager and any referral agency.

Port Douglas Professional Tree Services
23 Pecten Avenue
Port Douglas
Qld 4877
abn: 23226653987
0419309493

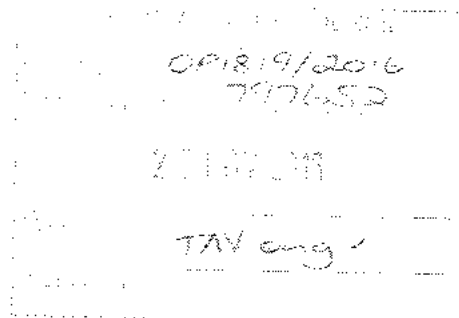
NO 9
Property address: Lot 52 Mudlo St, Port Douglas Qld 4877

I am requesting formal permission to facilitate the removal of 2x trees from the above property. As an arborist I have observed fundamental structural defects which will contribute to the eventual failure of both species.

I have commissioned an independent Arborist report prepared by one of our opposition companies to eliminate a conflict of interest.

Please consider the following recommendations of the attached report.

Regards, Tim Pidgeon
A.C.A, Burnleigh



ABN: 42 360 689 412



Tree Health and Condition Report

52 Mudlo Street, Port Douglas

31st October 2016

**Report commissioned by Tim Pidgeon, Port Douglas Professional
Tree Service**

Arborist: Jim Scott, B.Sc. (Hons) – Level 8 Arborist

T: 0459 567 298

E: centraltreeservices@hotmail.com



Contents

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5.0 Recommendations and Conclusions

Appendix 1: Index of Arboricultural terms used



1.0 Aim

The aim of this survey was to establish the current health and condition of two specifically identified trees as located at Lot 52, Mudlo Street, Port Douglas.

Trees were assessed from ground level only using accepted modern arboricultural techniques. No underground or aerial inspections were made.

The information and recommendations contained within this report are relevant to the survey date only. It must be remembered that trees are dynamic organisms, being subject to continuous change, and reassessment should therefore be carried out on a regular basis (recommended 6 monthly).

2.0 Site Overview

The surveyed trees were located on the front boundary of a vacant residential block. The remainder of the block was largely grassed, with a number of additional trees located towards the rear boundary.

As mature trees of poor form, they currently provide only a limited level of amenity, particularly when assessed as part of a broader streetscape within the locality.

3.0 Materials and Methods

The following is a description of elements included in the tree assessment.

- 1) Number: each surveyed tree was allocated an individual number as a means of future identification. Where appropriate, a metal tag was attached to each tree at a height of approximately 2m.
- 2) Species: the tree's botanical or common name as is most appropriate.
- 3) Age: an estimation of the tree's age
 - Young (Y): from establishment up to one third expected life span
 - Semi-mature (SM): between one and two thirds expected life span
 - Mature (M): between two thirds expected life span up to full maturity
 - Over mature (OM): trees older than expected life span or veteran trees
- 4) Condition: the tree's overall health and condition
 - Good: good form, typical of species with no major defects present. Long safe useful life expectancy.
 - Reasonable: Good or reasonable form. Any defects are easily rectifiable or can be managed.
 - Poor: Poor form. Major defects present.
 - Dead
- 5) DBH: the diameter of the tree in centimetres, measure at a height of approximately 1.5m. Used as a means of identification and gauge of future growth.
- 6) Height: the height of the tree in metres, estimated using surveyor's own judgement (no measuring instruments were used in this survey).
- 7) Spread: the crown spread as assessed in four directions.
- 8) Comments: comments relating to the general health and condition of the tree.
- 9) Recommendations: recommendations for remedial work or other relevant advice.

4.0 Survey Schedule

Date: 31st October 2016

Weather Conditions: Fine

| Tree No. | Species | Age | Condition | DBH (cm) | Height (m) | Spread (m) |
|----------|--|-----|-----------|----------|------------|------------|
| 1 | <i>Terminalia cattapa</i> Indian Almond | M | Poor | 50 | 16 | 10 |

Comments

Located on front boundary, forming a pair with less dominant, adjacent, *Tabebuia* tree (tree 2 in this report).

Marginally asymmetrical crown profile due to the proximity of tree 2, however generally poor form throughout.

Main crown structure is multi-stemmed from approx. 6m, with heavily included unions present.

Mid-upper crown with lateral limbs (over adjacent LV powerline) currently showing signs of advanced structural stress.

Basal epicormic growth is heavier than to be expected for the species, the combined result of previous topping and possible localised decay.

Significant crossing limbs and deadwood present mid-crown.

Low SULE.

Recommendations

From initial assessment, it is clear that the tree has a number of significant structural defects present.

Given the tree's location, and the species' expected response to heavy remedial pruning (as would be required in this case) removal would be the most appropriate option.

Upon completion of removal, a more suitable replacement tree/trees could then be put in place.

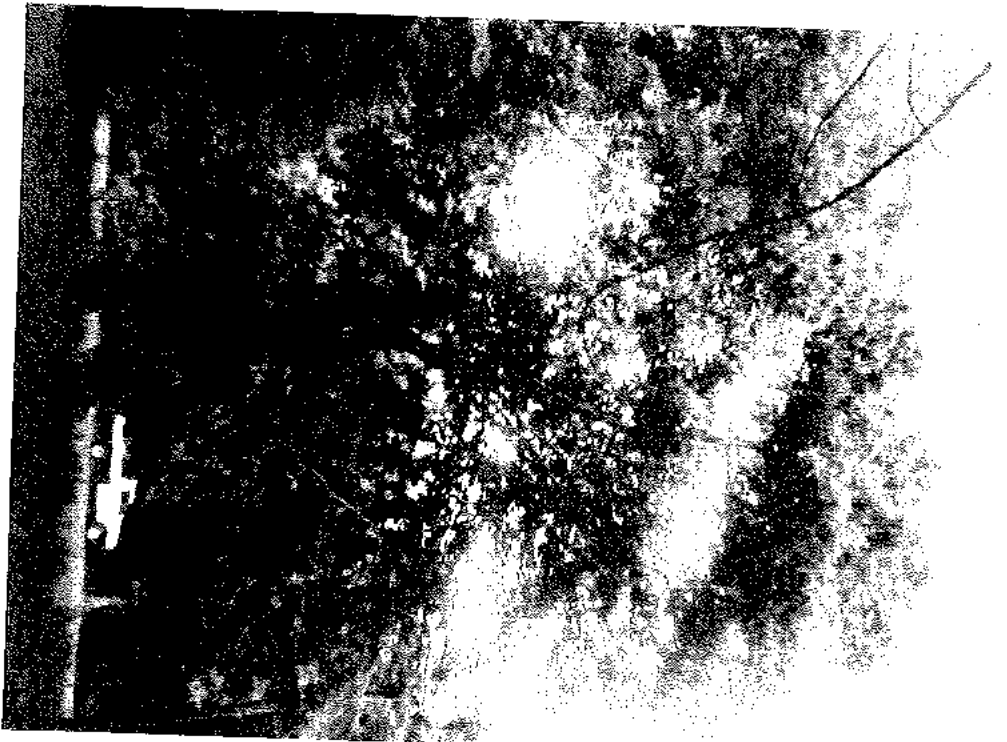


Image 1: Tree 1 (*Terminalia catappa*)



Image 2: Tree 2 (*Tabebuia rosea*)

| Tree No. | Species | Age | Condition | DBH (cm) | Height (m) | Spread (m) |
|----------|--|-----|-----------|-----------|------------|------------|
| 2 | <i>Tabebuia rosea</i> Pink Trumpet Tree / Pink <i>Tabebuia</i> | M | Poor | Approx 60 | 16 | 5 |

Comments

Located in immediate proximity to tree 1, forming a pair.

Very poor form, the combined result of an asymmetrical crown profile with heavy bifurcation from approx 1.5m.

Bifurcation has clear evidence of a significant included union present, with the associated high potential for overall stem failure.

Remainder of trunk currently covered with heavy vine growth so further inspection not possible at this stage.

Low SULE.

Recommendations

Given the combination of poor form along with a significant structural defect, removal is the most appropriate option.

Remedial pruning such as co-dominant suppression would be inappropriate given the likelihood of continued poor form (and therefore low amenity value), residual structural defects and an expected poor response to heavy pruning (as typical of the species).

5.0 Recommendations and Conclusions

Overall, the surveyed trees were in a poor condition, the result of initial poor form (due to lack of previous pruning from establishment onwards) then compounded by the development of structural defects and their associated hazards.



Image 3: Tree 1 – heavily included unions



Image 4: Tree 2 – heavily included union



Image 5: Tree 1 – epicormic growth, stressed lateral limbs also present

Where significant structural defects are identified in trees of this level of maturity and form, it is often inappropriate to attempt correction of these issues via remedial work, for the following reasons as summarised below:

- The defects are of such a severity that a considerable part/portion of the tree's crown (generally greater than 30%) would have to be removed in order to rectify the problem. This is poor practice (and is against recommendations as set out in AS4373 – Pruning of Amenity Trees) due to the likelihood of secondary problems then developing – decay and/or poorly attached regrowth as examples.
- Remedial work of this extent would also lead to a tree of little residual amenity and a significantly reduced SULE.
- Species characteristics mean that these two trees in particular would not respond well to heavy pruning.
- Due to their proximity to one another, the trees are best assessed as a pair – any work on one would then precipitate the need to carry out further work on the other in order to successfully rebalance crown profiles. The severity of defects already mentioned means that ongoing work would then be required in order to retain both trees in a reasonably safe condition.

Given the above factors, removal would be the most appropriate option in the mid-term. In this situation, it is good practice to replant with a suitable replacement tree/trees. Good species selection, once formatively pruned from establishment, will then provide a greater degree of amenity to the area in the longer term, and without the need for ongoing remedial work on trees which in reality would only have a continually diminishing SULE.

If removal is not approved in the short term, then, depending on the extent of site usage, some interim remedial pruning would be required in order to address immediate/high priority hazards such as deadwood and the presence of stressed structural limbs.

Contractors should be fully qualified and experienced, being able to demonstrate a comprehensive OHS policy specific to tree work, with relevant insurances in place.

Appendix 1: Index of Arboricultural terms used

The following terms are widely used in tree assessment (as partly adapted from *"Principles of tree hazard assessment and management"* - Lonsdale, D. 1999):

Arboriculture – the culture and management of trees as groups and individuals, primarily for amenity and other non-forestry purposes.

Assessment – in relation to tree hazards, the process of estimating the risk that a tree or group of trees poses to persons or property.

Bifurcated – having two co-dominant stems (forked).

Branch collar – a swelling at the base of a branch.

Crown – the main foliage-bearing portion of a tree.

Crown reduction – the overall reduction of both the height and spread of a crown. The extent of reduction is dependant on tree species, tree health and site requirements.

Crown thinning – the reduction of the volume of a crown without changing the overall height and spread. Often referred to as reducing the "sail area". The extent of thinning is dependant on tree species, tree health and site requirements.

Decline – a deterioration of a tree's general condition and vigour.

Defect – in relation to tree hazards, any feature of a tree which detracts from the uniform distribution of stress.

Dieback – the death of part of a tree, often progressive.

Epicormic growth – growth arising on mature stems, often following previous pruning or injury.

Failure – in relation to tree hazards, a partial or total fracture of wood or loss of cohesion between tree and soil

Included union – branch union where there is bark to bark contact which results in a structural weakness.

Leader – the dominant stem.

Lopping – removal of branches, now generally applied to heavy or excessive trimming.

Phototropic lean – lean due to a tree's growth towards available light.

Topping – the removal of all or a large portion of a tree's canopy.

Trifurcated – having three co-dominant stems

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