

[REDACTED]

From: [REDACTED]
Sent: Friday, 28 February 2014 9:46 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Tree information for Capital Metro [SEC=UNCLASSIFIED]
Attachments: IndTreeInvent_Fields_NB.DOCX; NB_TreeAudit2010.zip

[REDACTED]

Previous audit data for Northbourne Ave attached.

Cheers,
[REDACTED]

Phone [REDACTED] | Mobile [REDACTED] | Fax [REDACTED]
Urban Treescapes, Parks and City Services | Territory and Municipal Services Directorate
Level 8, Macarthur House, 12 Wattle Street, Lyneham ACT 2602 | GPO Box 158 Canberra ACT 2601

From: [REDACTED]
Sent: Thursday, 27 February 2014 10:46 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Tree information for Capital Metro [SEC=UNCLASSIFIED]

Hi [REDACTED]

[REDACTED] has recommended we get in contact regarding tree data. Are you able to send through to [REDACTED] the previous tree spatial assessment (2010)? Apologies if you have already sent this information through! We have yet to sift through all the data provided to us from CMA.

Also any assistance you could provide on any further tree surveys that have been carried out since would be great.

As you can appreciate we are keen to move quickly to determine the existing condition of the Northbourne trees. We will be working with dsb Landscape Architects to provide further tree assessment for this project.

Cheers,

[REDACTED]
E [REDACTED]@hassallstudio.com D [REDACTED]

From: [REDACTED]
Sent: Tuesday, 25 February 2014 10:35 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Tree information for Capital Metro [SEC=UNCLASSIFIED]

Dear [REDACTED] and [REDACTED],

My colleague [REDACTED] is the best point of contact for the (2010) spatial and assessment data for Northbourne Avenue, he will be able to provide it relatively easily. Given the probable use of the median for the light rail Urban Treescapes would support a further defect survey of the remaining Eucalyptus elatas from Antill Street to City. A

further survey would refresh the previous assessment work and provide further insight to the health of the remaining trees.

Given the spatial data is already available, any further assessment work should be at a relatively low cost, we would anticipate between \$5-\$10 a tree.

[REDACTED] has reminded me that CMA or its predecessor carried out a survey of all the assets in the transport corridor about 2 years ago. This information would be worth tracking down.

Regards

[REDACTED]
[REDACTED]
Phone [REDACTED] or [REDACTED] | Mobile [REDACTED] | Fax [REDACTED] | Email [REDACTED]@act.gov.au
Urban Treescapes, City Services, Parks and City Services | Territory and Municipal Services Directorate | ACT Government,
Canberra, Australia
Level 8, Macarthur House, 12 Wattle Street, Lyneham ACT 2602 | GPO Box 158 Canberra ACT 2601 | www.act.gov.au


From: [REDACTED]
Sent: Thursday, 20 February 2014 4:00 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: Tree information for Capital Metro [SEC=UNCLASSIFIED]

[REDACTED]
Thanks for your input at the meeting today and ongoing support/discussion with our Technical Advisor consultants.

For any data that you are able to provide on trees in the corridor, you could send this to myself here and I can make available to the TA team.

Thanks

[REDACTED]
[REDACTED]
ACT Government | CapitalMetro
T [REDACTED] | E [REDACTED]@act.gov.au
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www.capitalmetro.act.gov.au

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Canberra Individual Tree Inventory Location

Field	Type	Description
ID		Identification number
Suburb		Suburb Name
Street Number	Text	Street number if applicable
Street Name		Street Name
X Coordinates		
Y Coordinates		
Genus Species		
Collector Name	Auto	Staff name or contracting company name
Collection Date	Auto	Date the tree is inspected and data recorded

Condition

Field	Description						
DBH	Number	Diameter of largest stem measured at 1.3m above grade. Estimate to nearest 5cm. If multiple stems, record additional stems (up to 5) in comments field. If branch union at 1.3m adjust measurement higher or lower.					
Tree Height	Number	Height of tree to nearest M.					
Tree Height (Scored)	Very Large (5) >20m	Large (4) 12-20m	Medium (3) 6-12m	Small (2) 3-6m	Very Small (1) <3	Vacant (0)	
Health (Scored)	Dead (5) Trunk, primary branches and twigs dead; no leaves or dead leaves	Very Poor (4) Irreversible decline; 30-50% dieback; severe foliage deficiencies; 30-50% foliage density; 30-50% leaf health; severe pests / diseases	Poor (3) Minimal vigour; substantial decline; 20-30% dieback; considerable foliage deficiencies; 50-70% foliage density; 50-70% leaf health; pest / diseases exceed thresholds	Fair-Poor (2) Below average vigour; more than average decline; 10-20% dieback; foliage deficiencies; 70-90% foliage density; 70-90% leaf health; pests / disease at thresholds	Fair (1) Average vigour; average decline; <10% dieback; >90% foliage density; >90% leaf health; pests / diseases within thresholds The typical condition of the species	Good (0) Above average vigour; no decline; 0% dieback; better than average foliage density; better than average leaf health; no pest / diseases An Exceptional specimen	
Structure (Scored)	Failed (5) Failure of root plate, trunk or primary branch; active split between branch unions; severe damage to primary tree structure	Very Poor (4) Excessive damage or decay to root plate, trunk, primary branches or branch unions; fungal fruiting bodies; excessive decay or hollows compromising structural integrity; unstable in ground; excessive branch end-weight; severe included-bark unions; exceeding thresholds - failure probable	Poor (3) Major damage or decay to root plate, trunk or primary branches; no observable basal flare; acute branch unions starting to include bark; major branch end-weight / over-extension; at or exceeding thresholds	Fair-Poor (2) Moderate damage or decay in root plate, trunk or primary branches; minimal basal flare; acute branch unions; past branch failure; moderate branch end-weight / over extension; approaching thresholds	Fair (1) Minor damage or decay to root plate, trunk or primary branches; typically formed branch unions; minor end-weight / over-extension; within thresholds Standard Tree - no observable major defects to suggest that there is an increased likelihood of tree failure	Good (0) No damage or decay; visible basal flare; stable in ground; well tapered branches with sound open unions An Exceptional specimen	
Useful Life Expectancy (ULE) (Scored)	Vacant (0)	Short 0-10 (5)	Short 10-20 (4)	Short 20-30 (3)	Short 30-40 (2)	Short 40-50 (1)	Short >50 (0)
		Medium 0-15 (5)	Medium 15-30 (4)	Medium 30-45 (3)	Medium 45-60 (2)	Medium 60-75 (1)	Medium >75 (0)
		Long 0-20 (5)	Long 20-40 (4)	Long 40-60 (3)	Long 60-80 (2)	Long 80-100 (1)	Long >100 (0)

Risk Zone (Scored)	Prominent (5) Highway / arterial road; 40km/hr school zones; adjacent to retail premises; shopping centres; 10m buffer from edge of BBQs, seats, shelters, toilet blocks, car parks, picnic tables, cycleways and paths in UOS	Major (4) Major collector roads; Category A Maintenance Areas – High Use; Town Park	Moderate (3) Minor collector roads; Category A Maintenance Areas – Medium Use; District Park	Minor (2) Access roads; Category A Maintenance Areas – Low Use; Pedestrian Parkland; Laneway; Neighbourhood Park	Minimal (1) Category B Maintenance Areas	N/A (0)
Risk Score	Calculated	The sum of the individual scores for: Tree Height, Health, Structure, ULE and Risk Zone – maximum 25				
Utility Lines (In close proximity to tree)	High Voltage – HV	Low Voltage – LV	Domestic / Service	Telco	Aerial Bundle Cable – ABC	None
Footpath Conflict	Yes/No	Observable damage to footpath that may reasonably be attributed to the tree, including vertical deflection, lips or cracks – add comments if required				
Verge Crossing Conflict	Yes/No	Observable damage to verge crossing that may reasonably be attributed to the tree, including vertical deflection, lips or cracks – add comments if required				
Road Conflict	Yes/No	Observable damage to road surface that may reasonably be attributed to the tree, including vertical deflection, root patterns, lips or cracks – add comments if required				
Kerb & Channel Conflict	Yes/No	Observable damage to kerb & channel that may reasonably be attributed to the tree, including deflection, lips, cracks or roots growing over – add comments if required				
Utility Line Conflict	Yes/No	Direct or potential crown interference with utility lines – add comments if required				
Street Furniture Conflict	Yes/No	Crown or root conflict with street signs, light poles, utility poles, bus shelters, service pits, seats, etc – add comments if required				
Line-of-Sight Conflict	Yes/No	Part of the crown is obscuring an important sight line – add comments if required				
Utility Box/Stn Conflict	Yes/No	Access to Utility/electrical box on nature strip or electrical/sewage pumps stn obstructed by vegetation pipe – add comments if required				
Underground Services Conflict	Yes/No	Observable damage to underground services that may reasonably be attributed to the tree, such as roots removed from drain, or deflection of pipe – add comments if required				
Private Infrastructure Conflict	Yes/No	Observable damage to private infrastructure that may reasonably be attributed to the tree, such as lifting fences / walls, deflection of driveways, cracking in house wall – add comments if required				
Trunk Rot	Yes/No					
Branch Rot	Yes/No					
Tree Unstable	Yes/No					
Split Crotch	Yes/No					
Branch Failure	Yes/No					
Adv. Decline	Yes/No					
Tree Rating		Low, Moderate, High, Exceptional (Landscape/Amenity Value)				

Recommended Work Type	Hazard Tree Assessment More detailed assessment required – aerial inspection / probe; unclear evidence of decay, termites, bird damage, etc.	Removal Tree condition cannot be alleviated by contemporary arboricultural practices	Utility Line Clearance Pruning around or over utility lines to create suitable clearance	General Maintenance – Mature Mature / large trees – dead wood removal (>50mm Ø/ 2m length); crown thinning; crown lifting; reduction pruning; selective or structural pruning	General Maintenance – Juvenile Young and semi-mature trees – dead wood removal; crown lifting; formative pruning	None No obvious works required
Work Priority	Urgent 48hrs	High 6 Weeks	Medium 6 Months	Low 12 Months	Very Low 18 Months	None N/A
Removal Reason	List	Dead, Infrastructure, Major Decline, Storm Damage & Private Planting				
Comments	Text	General comments if required or if removal recommended				



From: [Redacted]
Sent: Friday, 21 March 2014 9:45 AM
To: [Redacted]
Subject: FW: Enquirey into Tree Management on Northbourne Ave proposed light rail Route
Attachments: image001.jpg

Follow Up Flag: Flag for follow up
Flag Status: Flagged

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T [Redacted] | M [Redacted] | E [Redacted]@act.gov.au
GPO Box 158, Canberra ACT 2601
www.capitalmetro.act.gov.au

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From: [Redacted]
Sent: Wednesday, 17 July 2013 7:55 AM
To: [Redacted]
Subject: Fwd: Enquirey into Tree Management on Northbourne Ave proposed light rail Route

Sent from my iPad

Begin forwarded message:

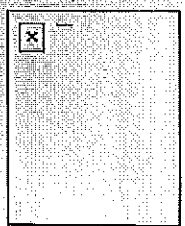
From: [Redacted]@act.gov.au>
Date: 10 July 2013 5:23:30 PM AEST
To: [Redacted]@act.gov.au>
Subject: RE: Enquirey into Tree Management on Northbourne Ave proposed light rail Route

No specific time frame -- but if there is info available late next week?

[Redacted]

Phone [Redacted] Fax [Redacted]

[Redacted]
Level 2, Nara Centre, 1 Constitution Avenue, Canberra City | GPO Box 158 Canberra ACT 2601 | [Redacted]@act.gov.au



From: [REDACTED]
Sent: Wednesday, 10 July 2013 2:12 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: Re: Enquirey Into Tree Management on Northbourne Ave proposed light rail Route

[REDACTED] - I will raise at the Board meeting. What is cut off time for reply [REDACTED]

Sent from my iPad

On 10/07/2013, at 2:09 PM, [REDACTED]@act.gov.au> wrote:

Dear [REDACTED]

I am seeking information regarding any assessment of the potential impact of light rail on trees on Northbourne Ave following an enquiry my Office has received.

In particular, I am seeking copies of any published information regarding potential impact, and exclusion/protection zones that would need to be around trees to be retained on the median strip and under what circumstances trees may be removed.

I understand that the impacts on trees along the route may not be known until further decisions on infrastructure placement are determined. However one of the key issues identified in the Commissioner for Sustainability and the Environment's "*Report on the Investigation into the Government's tree management practices and the renewal of Canberra's urban forest*" was the very strong interest and attachment the community have in their treed landscape. A matter that will require some attention, at an early stage, in progressing planning options should the light rail proceed.

At this stage I am considering this an enquiry rather than a complaint and seek your assistance to respond appropriately.

Regards

[REDACTED]

Phone [REDACTED] | Fax [REDACTED]

[REDACTED]
Level 2, Nara Centre, 1 Constitution Avenue, Canberra City | GPO Box 158 Canberra ACT 2601 |

[REDACTED]@act.gov.au

<image002.jpg>