



# TREE ASSESSMENT REPORT

Menindee Drive Link Path  
Block 2, Section 34, Barton, ACT

ISSUE 1\_ 11 January 2020



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*Prepared by*  
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*For*  
GHD

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## 1 Introduction

Enviro Links Design Pty Ltd was engaged by the ACT government care of GHD to undertake the tree assessment for the Menindee Drive Link Path (Barton Block 2 Section 34). The report highlights the value of individual trees and groups to assist with the area of the proposed path (active travel route).



Figure 1: Extent of Tree Assessment

## 2 Methodology

The following describes in general terms the processes and criteria that trees and tree groups were assessed.

**Tree Number/Group:** A unique reference number is assigned to each tree or group of trees. Each tree/group of trees is numbered and referenced in the Plan and Report as applicable.

### 2.1 Tree Data

#### Species

- » Botanical Name

#### Height, Canopy and Trunk Circumference (Physical Dimensions)

- » Height in metres
- » Canopy diameter in metres shown as the maximum crown width of the tree or group of trees
- » For Single Trunks circumference in metres, measured 1 metre above ground level
- » For multiple trunks the cumulative total of each trunk in metres at 1 metre above ground level

#### Number of Trunks

- » Number of trunks at 1 metre above ground level

#### Health and vigour

- » The general health and vigour Tree

#### Structural defects and decay

- » Structural defects or evidence of internal decay

#### Past Damage or root disturbance

- » Evidence of past damage to the tree or disturbance within the root zone

#### Disease or infestation

- » Evidence of past or present disease or insect infestation

#### Stage

- » Current growth stage (e.g. juvenile, semi-mature, mature or over mature)

#### Quality Ranking

- » Tree quality classification trees are to be classified as being of:  
Exceptional (E), High (H), Medium (M), or Low (L) quality. Refer to notes below

#### Notes

- » Habitat – nests, birds, other wildlife
- » General comments and notes

### 2.2 Quality Ranking

#### E - Exceptional Value

Trees that are outstanding examples of their species and have significant visual impact. They have most of the following: mature specimens with grand appearance and stature; may have unusual character; may be a rare species; well balanced; cultural heritage importance; significant scientific value; presents a low hazard/safety risk. Significant value within the landscape context of the site and should be preserved.

#### H - High Value



Trees that are good examples of their species and have significant visual impact. They have most of the following: high arboricultural value or potential; good form; healthy specimens with good size and little or no epicormic shoots or other arboricultural problems. Good value within the landscape context of the site and should be preserved if at all possible.

#### M - Medium Value

Trees generally complying with most of the following: reasonable form or reasonable current size with good health / growth potential; healthy specimen with significant growth (or with moderate tree surgery a large tree can be modified from fair to good health, ie can carry some deadwood); has value within the landscape context of the site; presents a medium to low hazard/safety risk. Does not justify special attention of construction expenditure but justifies a minor design adjustment to save or could be removed if necessary. Retain if appropriate to land use and future management cost and risks.

#### P - Poor Value

Trees generally complying with most of the following: specimen with low growth or poor form and possible health problems; trees of little value; presents a high or very high hazard/safety risk. Expendable, remove if necessary - retain if appropriate to land use and future management costs and risks.

#### D - Dead Tree

### 2.3 Limitations

The tree assessment was undertaken by non-invasive visual review means only. No coring, probing, excavation, dissection or laboratory analysis was undertaken. Assessments were made on visual and physical (external and above ground measurement) only.

## 3 Tree Assessment Summary

The tree assessment was undertaken on the 17<sup>th</sup> of December 2020. A total of 25 individual trees and 14 Tree Group were assessed.

All of trees are on unleased territory land and require approval for removal or tree damaging activities. There are no registered trees in the area.

The trees consist of native and exotic planted species.

The assessment identified;

- 10 medium quality tree groups
- 12 medium quality individual trees
- 4 poor quality tree groups
- 13 poor quality trees; and
- 1 dead tree.

The medium quality tree groups make up the majority of trees assessed. The groups form part of the strong landscape setting for the area. The trees are typically planted close together, often resulting in taller narrower trees. The effect of the group would not be significantly impacted by select tree removals.

The medium quality trees are a mix of Eucalyptus species and Tilia cordata. The trees are of some landscape value and should be retained and protected wherever possible. The Tilia cordata require formative pruning and light soil disturbance is not likely to affect their health.

The poor quality tree groups and individual trees are of little landscape value. These trees include a number of Populus nigra 'italica' (a prohibited species on the 'Pest Plants and Animals ACT 2005'.

There is one dead tree identified on site.

The following images are representative of the typical tree and vegetation character of the site.

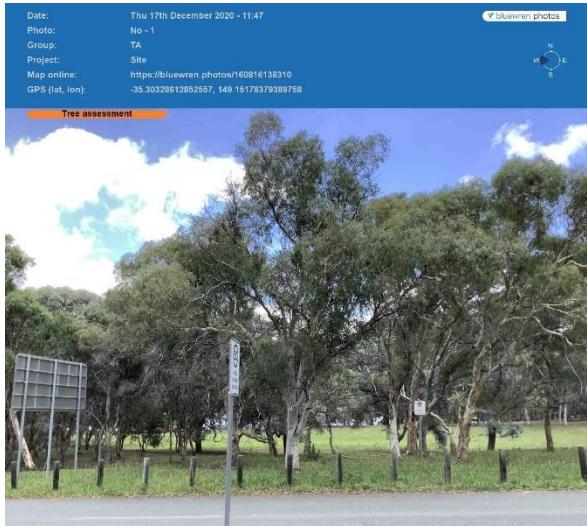


Figure 2: Tree 1 and Tree Group 1

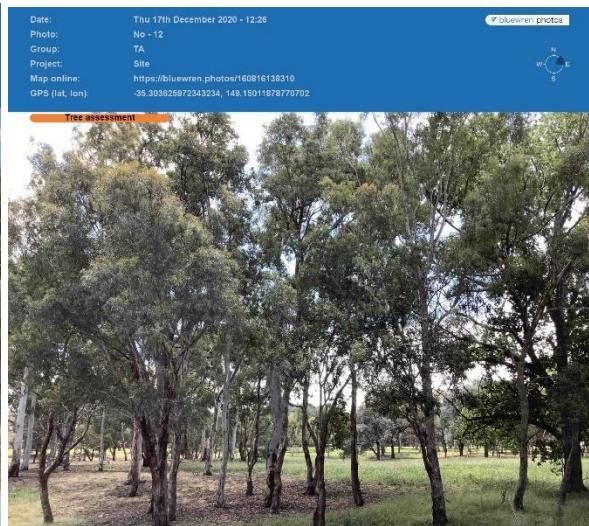


Figure 3: Group 6

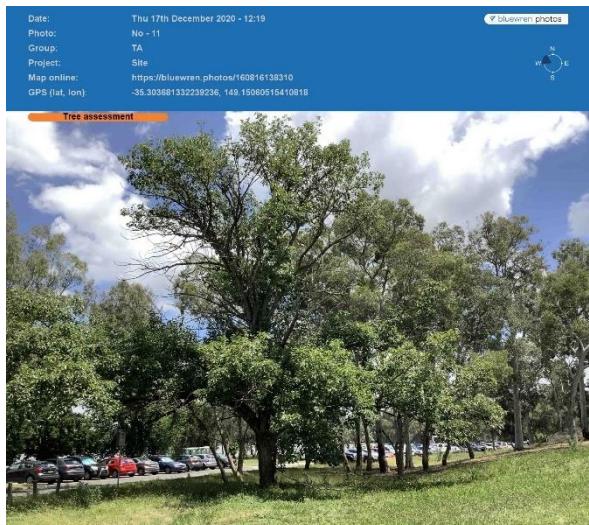


Figure 4: Tree 214

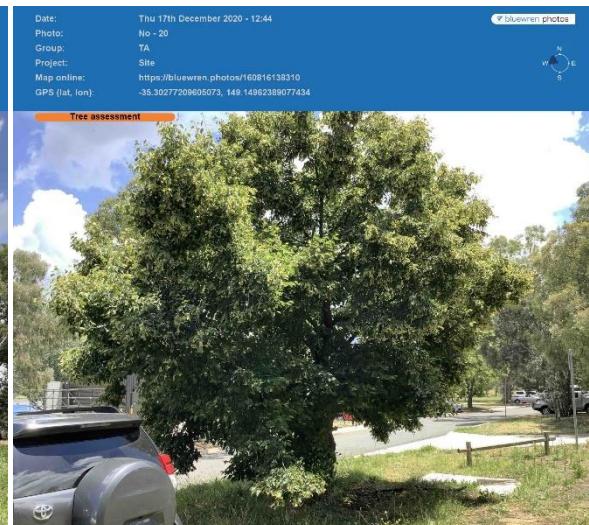


Figure 5: Tree 148

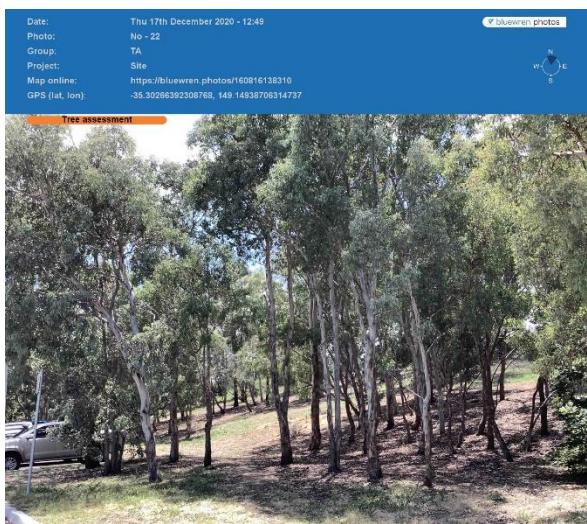


Figure 6: Tree Group 8

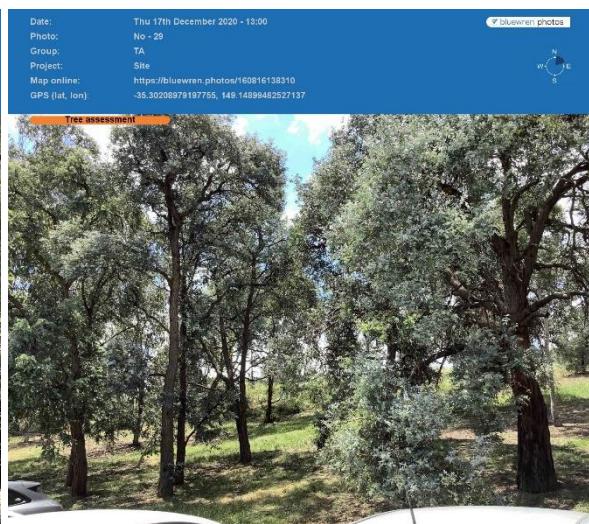


Figure 7: Tree Group 11

#### 4 Appendix 1 – Tree Assessment Table

ELD No.	Botanical Name	Height (m)	No. Trunks	Trunk circ. (m)	Canopy dia. (m)	Health and Vigour	Structural defects and decay	Past Damage or root disturbance	Disease or infestation	Stage	Quality Rating	Protected Status
						(G-good, F-fair, P-poor, DW-deadwood, EPI-epicormic growth)	(OC- occluded fork, AGL - Above Ground Level)	(AGL - Above Ground Level)	Juvenile (J), Semi-mature (SM), Mature (M), Over mature (OM)	Low (L), Poor (P), Medium (M), High (H), Exceptional (NOTE: Quality Rating also noted with (E) specify an exceptional rating due to heritage listed status)	Unleashed Land /Yes -TCCS Tree Act (Yes - Y, No - N) - Note: N* denotes a tree not regulated due to ACT Declared Weed Species status	
284	Eucalyptus manifera	10.5	1	0.5	10	F - some DW and on very slight lean - uneven canopy				M	M	Yes - TCCS
G1	Eucalyptus manifera	10	1	0.45	7	F - DW - on slight lean and canopies competing/affecting				M	M	Yes - TCCS
285	Eucalyptus manifera	10	1	0.55	9	F - DW throughout lower canopy				M	P	Yes - TCCS
280	Eucalyptus manifera	7	1	0.45	7	P - DW - main leader dead	rot and epicormic growth			M	P	Yes - TCCS
281	Dead											Yes - TCCS
G2	Eucalyptus manifera Eucalyptus melliodora Eucalyptus polyanthemos	9	1	0.45	6	F - some DW				M	M	Yes - TCCS
G3	Eucalyptus cinerea	10	1	0.75	6	G - minimal DW				M	M	Yes - TCCS
276	Eucalyptus cinerea	12	1	0.9	9	G				M	M	Yes - TCCS
275	Eucalyptus cinerea	8	1	0.7	9	F - poor form				M	P	Yes - TCCS
271	Eucalyptus polyanthemos	8	1	0.35	4	G				SM	P	Yes - TCCS
221	Eucalyptus sp	8	3	1.4	7	G - poor form				M	M	Yes - TCCS
G4	Populus italicica	12	1-3	1.8	5	F - some dieback in main			M-OM		P	N*

ELD No.	Botanical Name	Height (m)	No. Trunks	Trunk circ. (m)	Canopy dia. (m)	Health and Vigour	Structural defects and decay	Past Damage or root disturbance	Disease or infestation	Stage	Quality Rating	Protected Status
						(G-good, F-fair, P-poor, DW-deadwood, EPI-epicormic growth)	(OC- occluded fork, AGL - Above Ground Level)	(AGL - Above Ground Level)	Juvenile (J), Semi-mature (SM), Mature (M), Over mature (OM)	Low (L), Poor (P), Medium (M), High (H), Exceptional (NOTE: Quality Rating also noted with (E) specify an exceptional rating due to heritage listed status)	Unleashed Land (Yes -TCCS) Tree Act (Yes - Y, No - N) - Note: N* denotes a tree not regulated due to ACT Declared Weed Species status	
						trunk						
G5	Eucalyptus globulus bicostata	11	1	2.01	6	F - affected by poplars - DW	epicormic growth		M	P	Yes - TCCS	
214	Populus deltoides	11	1	2.2	11	P - upper canopy DW, in decline	Past limb failure		M-OM	P	Yes - TCCS	
G6	Eucalyptus manifera Eucalyptus melliodora Eucalyptus polyanthemos	12	1	0.35-0.4	5	F - tall and slender			M	M	Yes - TCCS	
188	Eucalyptus melliodora	11	1	1.37	7	G			M	M	Yes - TCCS	
176	Eucalyptus melliodora	6.5	1	0.7	8	F - poor form and on lean			SM	P	Yes - TCCS	
177	Eucalyptus melliodora	9.5	1	1.0	7	G			SM	M	Yes - TCCS	
166	Eucalyptus melliodora	8	2	0.75	4	P - DW - poor form			SM	P	Yes - TCCS	
167	Eucalyptus melliodora	6	2	0.7	4	P - DW - poor form			SM	P	Yes - TCCS	
G7	Eucalyptus melliodora Eucalyptus polyanthemos	8	1	0.65	6	F			SM-M	M	Yes - TCCS	
149	Tilia cordata	4.5	4	0.8	6	G - poor form			M	P	Yes - TCCS	
148	Tilia cordata	6	1	1.2	7	G			M	M	Yes - TCCS	
142	Tilia cordata	5	1	0.5	6	G			M	M	Yes - TCCS	

ELD No.	Botanical Name	Height (m)	No. Trunks	Trunk circ. (m)	Canopy dia. (m)	Health and Vigour	Structural defects and decay	Past Damage or root disturbance	Disease or infestation	Stage	Quality Rating	Protected Status
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G8	Eucalyptus melliodora Eucalyptus polyanthemos	10-11	1	1.2	6	G - tall and slender due to competition			SM-M	M		Yes - TCCS
G9	Eucalyptus melliodora Eucalyptus polyanthemos	10	1-2	1.1	7	F - on lean			M	P		Yes - TCCS
88	Tilia cordata	5	1	0.6	5	F - poor form			M	P		Yes - TCCS
96	Eucalyptus polyanthemos	13.5	2	2.2	7	G	OCF		M	M		Yes - TCCS
86	Eucalyptus melliodora	9	1	0.85	6	F - spares canopy - DW			M	P		Yes - TCCS
70	Eucalyptus polyanthemos	12	1	0.8	7	G - tall and slender			M	M		Yes - TCCS
G10	Eucalyptus polyanthemos	10	1	0.8	6	G			M	M		Yes - TCCS
G11	Eucalyptus polyanthemos	11	1	1.4-2.4	9	G			M	M		Yes - TCCS
59	Eucalyptus globulus bicostata	14	1	2.7	9	G - very slight lean			M	M		Yes - TCCS
54	Tilia cordata	8		1.1	7	F - some DW			M	M		Yes - TCCS
55	Eucalyptus manifera	7		0.8	4.5	F - DW			SM	P		Yes - TCCS
G12	Eucalyptus manifera	11	1	1.2	9	F - DW			M	M		Yes - TCCS
G13	Tilia cordata	5	1-3	0.5-0.8	5	F			M	P		Yes - TCCS

ELD No.	Botanical Name	Height (m)	No. Trunks	Trunk circ. (m)	Canopy dia. (m)	Health and Vigour	Structural defects and decay	Past Damage or root disturbance	Disease or infestation	Stage	Quality Rating	Protected Status
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G14	Eucalyptus bridgesiana Eucalyptus cinerea	11	1	2.6	8	F - some DW			M	M		Yes - TCCS
7	Quercus robur	9	1	0.8	7	G			M	M		Yes - TCCS
6	Quercus robur	8	1	0.6	6	G - form affected by tree 295			M	P		Yes - TCCS

## **5 Appendix 1 – Tree Location Plan**

#### TREE ASSESSMENT ELEMENTS

Number: Unique and sequential identification number

Name: Botanical name

Height: (m) at 1 metre above natural ground level

Trunk: circumference (m) at the furthest point from the trunk (m)

Canopy: Diameter (m) at the furthest point from the trunk (m)

Health: The general health and vigour Tree

Defects / Decay: Structural defects or evidence of internal decay

Damage / Disturbance: Evidence of past damage to the tree or disturbance within the root zone

Disease: Evidence of past or present disease or insect infestation;

Stage: Current growth stage (e.g. juvenile, semi-mature, mature or over mature).

Quality: Tree quality classification trees are to be classified as being of Exceptional (E), High (H), Medium (M), Poor (P), or Low (L) quality.

Tree Act Status: Refer notes below

#### Tree 'Regulated' Status by Virtue of Size (On - Lease)

Under the Tree Protection Act 2005 a tree is termed a Regulated Tree and is to be protected if it is growing on Urban Leased land and has at least one of:

- \* A height of 12m or more; or
- \* A trunk circumference of 1.5m (approx 0.5m in diameter) or more at 1m above ground level; or
- \* Two or more trunks and the total circumference of all the trunks, 1m above ground level, is 1.5m or more, or
- \* A minimum crown width of 12m or more; and
- \* Must be alive - all dead trees have been ranked as Non Protected tree.
- \* Is not a weed species under the Pest Plant & Animals Declaration 2005

#### Tree Protected Status

YES - The tree has a dimension that any activity must be assessed under the Tree Protection Act on Leased land; or is on Government land eg. road verge, park, etc as all trees on Government land are protected.

NO - The tree is on Leased land is sufficiently small or declared a Weed Species that it does not require assessment under the Tree Protection Act.

NA - Not applicable as Off Lease but often protected as these trees are generally on Government (Unleased) land.

Trees nominated as Protected can only be removed / pruned if approval in writing gained from all applicable Government agencies.

#### Future Tree Approvals

On-Leased land: if a tree has protected status then approval must be gained from TCCS Urban TreeScapes Unit prior to removal, lopping or ground damaging activty.

Off-Leased (Territory) land: Please note all trees located external to the leased block boundary i.e. the verge or open space, cannot be removed, pruned or damaged without the approval of the Urban TreeScapes Unit, City Services (13 22 81) as on Government land.

#### Tree Management:

Trees within lease require a Tree Management Plan (TMP) and on the verge a Landscape Management Protection Plan (LMPP) outlining removals, pruning, tree protection measures, site access and restorative works issues as part of the design process.

**PLEASE NOTE TREE LOCATIONS & NUMBERS WERE LOCATED BY SURVEYOR ON PLAN AND WERE VERIFIED FROM SITE INSPECTION UNDERTAKEN BY ENVIRO LINKS DESIGN PTY LTD. TREE NUMBERS ALLOCATED BY SURVEYOR**

#### VALUE RANKING : INDIVIDUAL TREES

The delineation within the value classification is based on the works being on leased land and therefore under the jurisdiction of the TCCS Urban TreeScapes Unit (UTU). All trees on Government Land are regarded as protected trees and can not be removed or damaged or works undertaken near them without the approval of the UTU. (The Tree Act and Regulated Tree definitions are therefore applicable to leased site, unless otherwise advised).

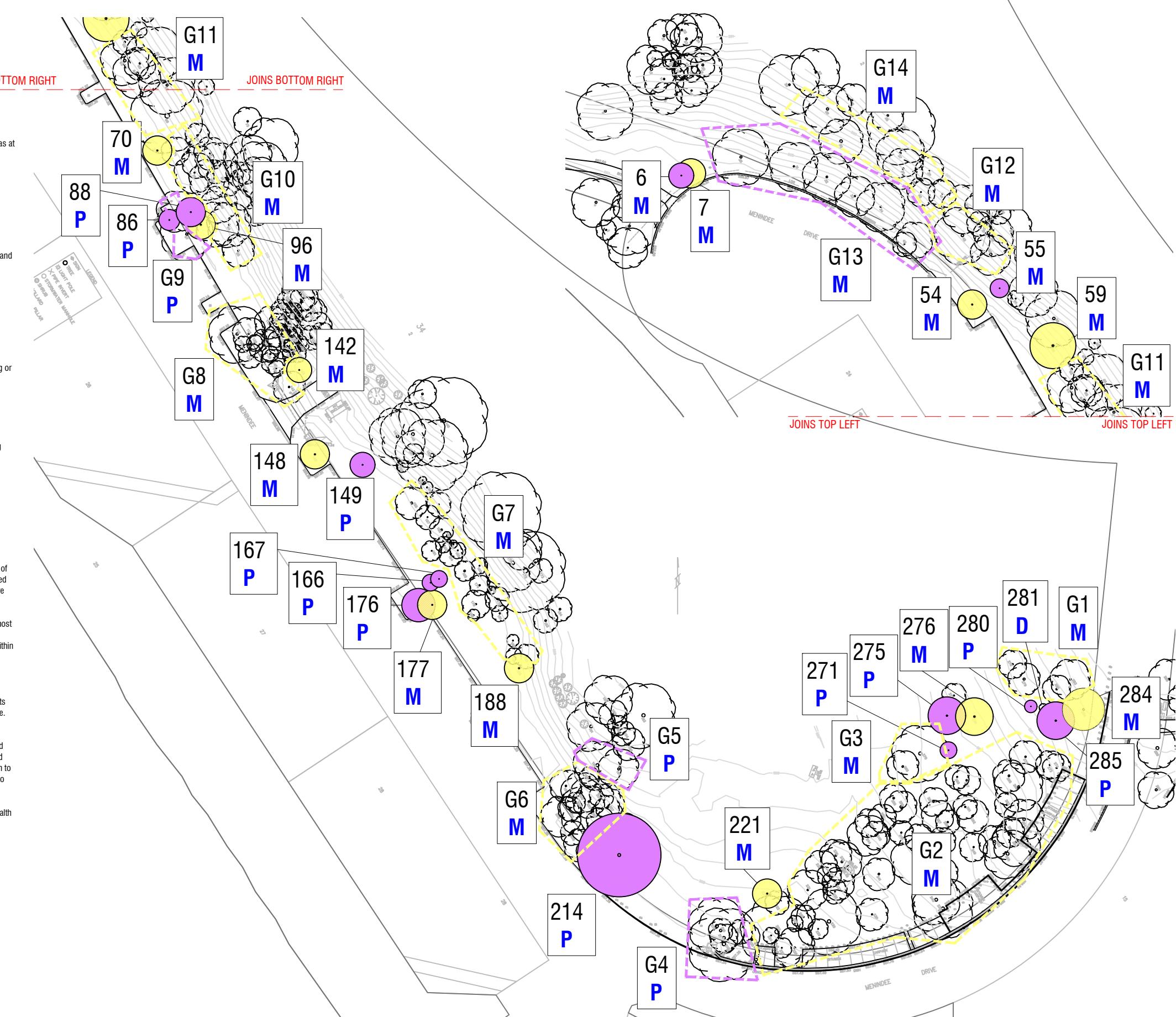
**EXCEPTIONAL VALUE** - trees that are outstanding examples of their species and have significant visual impact. They have most of the following: mature specimens with grand appearance and stature; may have unusual character; may be a rare species; well balanced; cultural heritage importance; significant scientific value; presents a low hazard/safety risk. Significant value within the landscape context of the site and should be preserved.

**HIGH VALUE** - trees that are good examples of their species and have significant visual impact. They have most of the following: high arboricultural value or potential; good form; healthy specimens with good size and little or no epicormic shoots or other arboricultural problems. Good value within the landscape context of the site and should be preserved if at all possible.

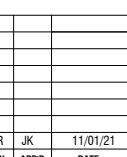
**MEDIUM VALUE** - trees generally complying with most of the following: reasonable form or reasonable current size with good health / growth potential; healthy specimen with significant growth (or with moderate tree surgery a large tree can be modified from fair to good health, ie can carry some deadwood); has value within the landscape context of the site; presents a medium to low hazard/safety risk. Does not justify special attention of construction expenditure but justifies a minor design adjustment to save or could be removed if necessary. Retain if appropriate to land use and future management cost and risks.

**POOR VALUE** - trees generally complying with most of the following: specimen with low growth or poor form and possible health problems; trees of little value; presents a high or very high hazard/safety risk. Expendable, remove if necessary - retain if appropriate to land use and future management costs and risks.

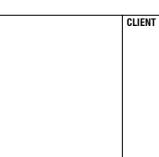
#### DEAD TREE



A	FOR INFORMATION	MR	JK	11/01/21	
ISSUE	DESCRIPTION	DWN	APP'D	DATE	



NORTH  
NOTES:  
- COPYRIGHT AND PROPERTY OF ENVIRO LINKS DESIGN PTY LTD. MAY BE USED ONLY FOR THE STATED PROJECT AND ISSUE STATUS, AND IN ACCORDANCE WITH THE TERMS OF ENGAGEMENT FOR WHICH IT WAS COMMISSIONED.  
- TO BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACTS, SPECIFICATIONS, REPORTS, DRAWINGS AND DEVELOPMENT APPROVAL CONDITIONS.  
- OBTAIN ANY OUTSTANDING STATUTORY APPROVALS PRIOR TO COMMENCEMENT OF WORKS.  
- PROJECT TEAM MEMBERS ARE NOT RESPONSIBLE FOR DESIGN OR DRAWINGS.  
WHERE ISSUED FOR CONSTRUCTION:  
- CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL SERVICES AND OBTAINING NECESSARY CLEARANCES AND APPROVALS. CONTRACTOR TO VERIFY DIMENSIONS AND LEVELS & DISTANCES TO SITE CONDITIONS AND PRIOR WORKS, AND REPORT ALL DISCREPANCIES TO THE SUPERINTENDENT FOR RESOLUTION BEFORE COMMENCING WORK.  
- PRESENT SAMPLES AND GAIN APPROVAL FROM SUPERINTENDENT FOR ANY NOMINATED MATERIALS OR FINISHES.  
- ADAPT AND IMPLEMENT APPROVED TREE MANAGEMENT PLAN, LANDSCAPE MANAGEMENT & PROTECTION PLAN & ENVIRONMENTAL AUTHORISATIONS. WORKS TO BE IN ACCORDANCE WITH CURRENT TCCS MUNICIPAL INFRASTRUCTURE PLANS AND ENVIRONMENTAL INFRASTRUCTURE STANDARD SPECIFICATION UNLESS OTHERWISE PRESCRIBED. ALL DISTURBANCE BY WORKS MUST BE RESTITUTED TO EXISTING CONDITION.



CLIENT  
PROJECT  
TITLE  
Menindee Drive  
LINK PATH  
TREE ASSESSMENT  
SCALE  
1:1000@A3  
0 10 20 30 40m  
JOB NO.  
2066  
DWG NO.  
TA01

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A