VEGETATION MANAGEMENT PLAN

17 COURTNEY DRIVE, UPPER COOMERA

Revision: A
MAY 2024

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BIOME
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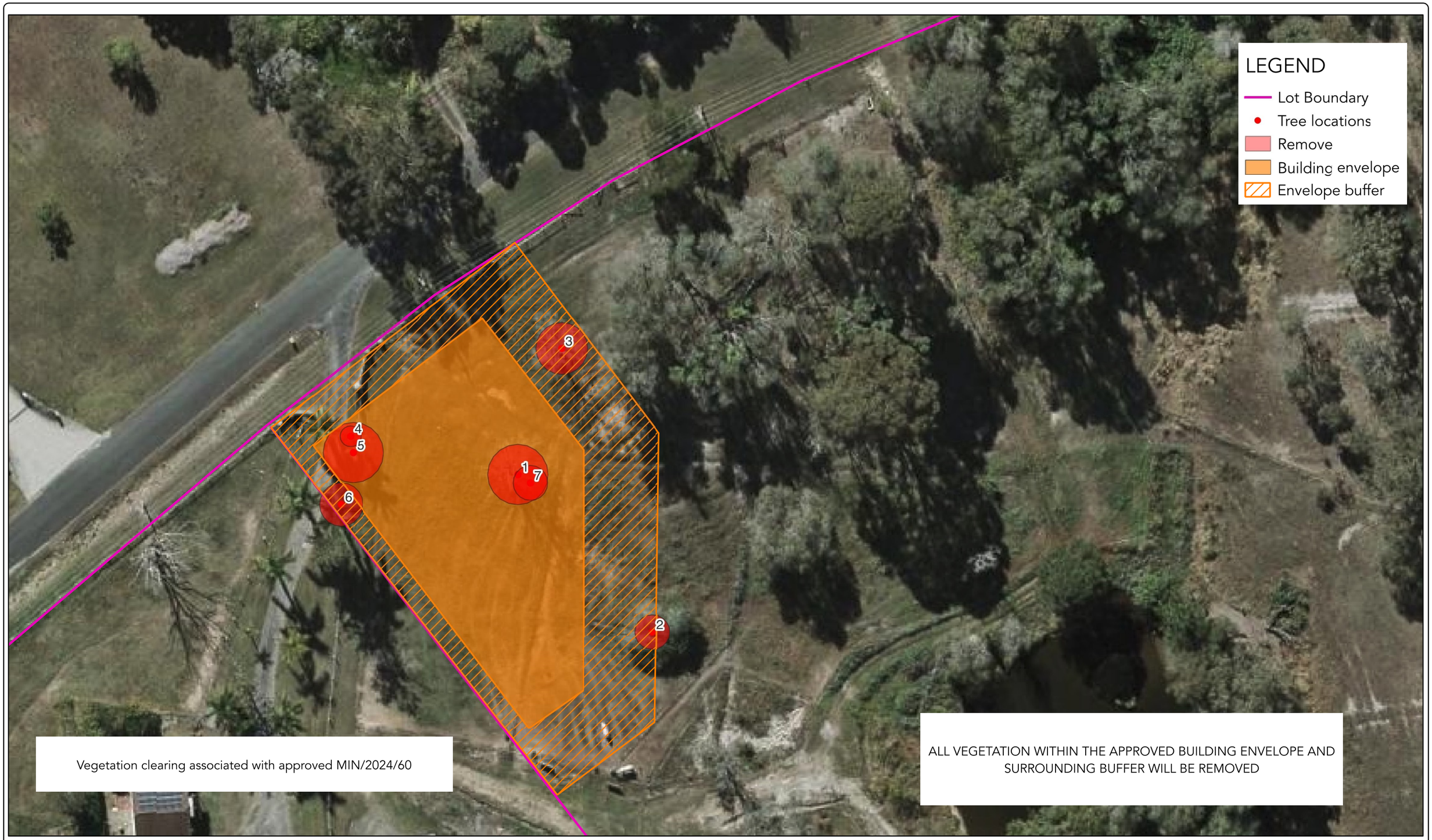
Project: BC-24005

YING YUAN
C/- ELEVATE DEVELOPMENT SOLUTIONS

SCHEDULE OF DRAWINGS	
Drawing No.	Drawing Title
VMP-01	Tree clearing plan
VMP-02	Tree information table
VMP-03	Vegetation management notes
VMP-04	Compliance management



DATE :
28.05.2024

PROJECT No.:
BC-24005

DRAWING No.:
VMP-01

REVISION No.:
A

PROJECT :
VEGETATION MANAGEMENT PLAN

DRAWING TITLE :
TREE CLEARING PLAN

CLIENT :
YING YUAN C/- ELEVATE DEVELOPMENT SOLUTIONS

ADDRESS :
17 COURTNEY DRIVE, UPPER COOMERA

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ORIGINAL SCALE BEFORE REDUCTION

0 10 20 m

1:500 (AT A3) (meters)

TREE PROTECTION ZONES ARE SHOWN

N

Tree no.	Scientific Name	Common Name	Height (m)	DBH (cm)	TPZ	SRZ	Action
1	*Eucalyptus tereticornis*	Forest Red Gum	12	35	4.20	2.13	Remove
2	*Acacia maidenii*	Maiden's Wattle	8	20	2.40	1.68	Remove
3	*Acacia disparrima*	Hickory Wattle	5	30	3.60	2.00	Remove
4	*Archontophoenix alexandrae*	Alexander Palm	4	12	1.44	1.36	Remove
5	*Dypsis decaryi*	Triangle Palm	4	35	4.20	2.13	Remove
6	*Archontophoenix alexandrae*	Alexander Palm	20	25	3.00	1.85	Remove
7	*Acacia disparrima*	Hickory Wattle	6	20	2.40	1.68	Remove

The TPZ (Tree Protection Zone) is a designated area around a tree that is to be protected when nearby works are being undertaken to preserve the soil and tree. The area has been calculated by multiplying the DBH (trunk diameter at a 1.3 m) by 12. As per the Australian Standards AS4970-2009 Protection of Trees on Development Sites, where more than 10% of the TPZ will be impacted, then impacts on the SRZ (Structural Root Zone) are required to be assessed.

The Structural Root Zone is an area (radius) around a tree trunk that must be protected to ensure stability of the tree in the ground. If larger roots within this area are damaged it is highly likely the tree's structure will be compromised, possibly causing whole tree failure. The SRZ primarily relates to structure as opposed to tree health.

Where there are impacts on the SRZ or more than 10% of the TPZ, trees have been nominated for removal.

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PROJECT No.: BC-24005
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REVISION No.: A

PROJECT : VEGETATION MANAGEMENT PLAN
DRAWING TITLE : TREE CLEARING PLAN
CLIENT : YING YUAN C/- ELEVATE DEVELOPMENT SOLUTIONS
ADDRESS : 17 COURTNEY DRIVE, UPPER COOMERA

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VEGETATION MANAGEMENT NOTES

All work in areas adjacent to retained vegetation must be carried out without causing damage to the vegetation.

Where works are required within the tree protection zone and/or trunk could be damaged by the proposed earthworks, a qualified arborist should be contracted to:
•Provide advice regarding the protection of the tree/s;
•Treat any roots that may be exposed during construction; and
•Treat any damage that may occur during construction.

ARBORIST QUALIFICATIONS
The supervising project arborist is to have a minimum AQF Level 5 in Arboriculture with a minimum of five years' experience in arboricultural principles and practices, including tree risk hazard assessment.

GENERAL MANAGEMENT NOTES
Any road surface treatment within the drip zone of retained vegetation must employ cold pour techniques to minimise any damage to the trees.

Root pruning with a high-pressure needle point water jet is to be undertaken prior to the installation of any root barriers.

Pruning of protected trees is to occur only where determined necessary by a qualified arborist and any such work on the trunk, foliage, or root system of the tree must adhere to the Australian Standard AS 4373-2007: Pruning of amenity trees.

TREE PROTECTION FENCING
Tree protection fencing is to be installed in accordance with Australian Standard AS4970-2009: Protection of trees on development sites.

Tree protection fencing is to be erected at the limits of the drip zone (edge of canopy) of all retained vegetation to clearly delineate the extent of clearing. Where this is not possible, fencing is to be installed at the interface of earthworks and an arborist must be present to guide installation and during works to conduct any necessary remedial action.

Where clearing is to occur over stages, tree protection fencing is to be erected at the interface of each stage.

Where boundary fences between the site and adjoining lots is existing, it may be used to delineate the limit of works.

Fencing is to be installed before any machinery or materials are brought onto site and prior to a any pre-start meetings with relevant Council officers. Fencing is to remain in place for the duration of operational works.

Signage is to be displayed on the tree protection fence clearly identifying the area as a Tree Protection Zone and indicating that no entry is permitted. Signs must be made in accordance with AS1319-1994; Safety signs for the occupational environment. Signage is to remain in place for the duration of the operational works.

EXCLUDED ACTIVITIES IN TREE PROTECTION ZONE
Activities excluded within the TPZ include, but are not limited to:
•Construction of unapproved pathways/trails;
•Earthworks;
•Storage of machinery and/or vehicles;
•Dumping of site waste;
•Liquid disposal;
•Stockpiling of mulch/chipped material/soil;
•Refuelling of machinery;
•Wash down and cleaning of equipment;
•Lighting of fires;
•Unauthorised application of pesticides, herbicides or chemicals;
•Preparation of chemicals, including cement products; and
•Physical damage to the tree.

IDENTIFICATION OF VEGETATION TO BE RETAINED
Before the commencement of vegetation clearing operations, the covenant and rehabilitation areas will be surveyed and pegged. Tree protection fencing will be installed at the limits of the drip zone of the vegetation within these areas. All native vegetation within the covenant and rehabilitation areas will be retained.

Exotic species within the covenant and rehabilitation areas requiring mechanical removal will be identified by the project arborist. Exotic species will be removed without causing harm to retained vegetation.

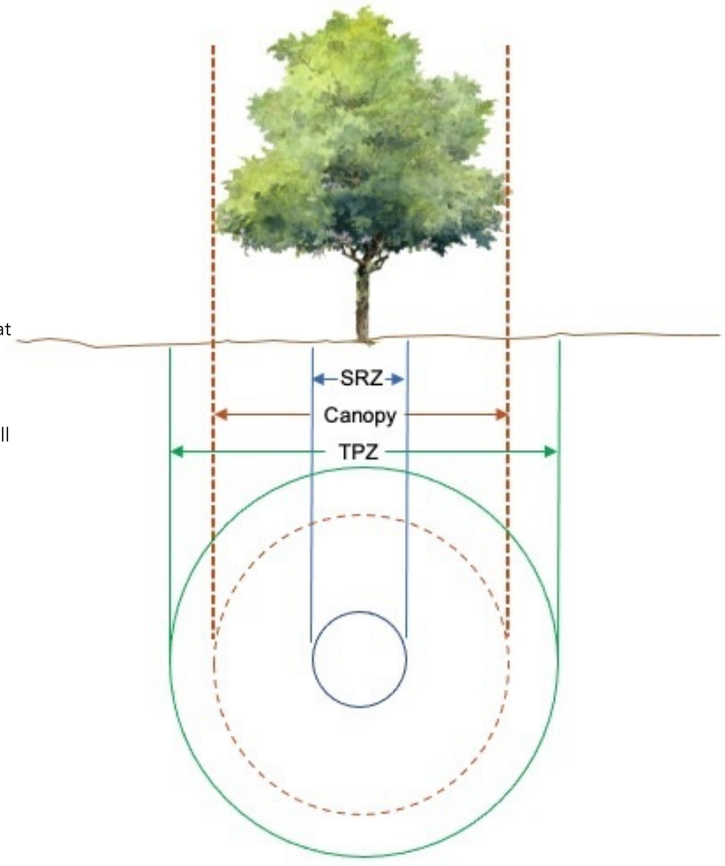
DISPOSAL OF CLEARED VEGETATION
All felled timber must be recycled (milled, chipped or mulched). Where possible, chipped and mulched material is to be incorporated into the landscape features, batter stabilisation techniques or other approved site works.

Non-recyclable debris is to be transported from the site and disposed of at an approved green waste facility.

Pit burning or any other method of combustion of vegetation is prohibited.

Any invasive weeds removed from the site are to be disposed of at an approved green waste facility.

STORAGE OF MULCH
Mulch to be reused on site is to be stockpiled in a location where it will not hinder the ability of fauna to access areas of retained vegetation, either within or external to the site.



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PROJECT No.: BC-24005	*DRAWING TITLE :* VEGETATION MANAGEMENT NOTES			
DRAWING No.: VMP-03	*CLIENT :* YING YUAN C/- ELEVATE DEVELOPMENT SOLUTIONS			
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COMPLIANCE MANAGEMENT

APPROVALS AND CONDITIONS

Contractors undertaking approved works, including vegetation clearing, must be provided with a copy of all relevant conditions of approval. All site personnel must be made aware of their responsibilities regarding vegetation and fauna management.

A copy of the approved plans and conditions of approval must always be displayed on-site during vegetation clearing.

PRE-START MEETING

The pre-start meeting is to be held prior to the commencement of any vegetation clearing works.

The nominated supervising arborist is to be present during the pre-start meeting to identify all vegetation management requirements.

A licenced fauna spotter catcher is to be present during the pre-start meeting to identify habitat values and management requirements.

All tree protection fencing is to be installed prior to the on-site pre-start meeting with relevant Council officers.

ROLES AND RESPONSIBILITIES

The site supervisor is responsible for:

- Ensuring all site-personnel are aware of their responsibilities regarding vegetation and fauna management;
- Ensuring an arborist and fauna spotter catcher are engaged and on-site when necessary;
- Ensuring the vegetation clearing operations are conducted in compliance with that specified in any approved documents;
- Ensuring relevant conditions of approval are adhered to; and
- Ensuring any permanent or temporary fencing is not damaged and is replaced as necessary.

The supervising arborist is responsible for:

- Ensuring all tree protection fencing and signage has been installed in appropriate locations;
- Approving the removal of tree protection fencing upon completion of clearing operations;
- Identifying site-specific vegetation management requirements; and
- Supervising clearing works where impacts to retained vegetation are possible.

The fauna spotter catcher is responsible for:

- Management of fauna on-site during the vegetation clearing operations; and
- Determining the appropriate direction of clearing (generally, away from roads and residential areas and towards areas of retained vegetation).

TRAINING

All personnel, including employees, contractors and sub-contractors, are required to complete a site induction before they are authorised to work on the project.

Flora and fauna specific information to be covered in the project induction will include:

- Obligations under the project conditions of approval including vegetation clearing practices to minimise impacts;
- Project limitations for vegetation clearance and habitat removal;
- Response procedures in the event of an unexpected threatened species find; and
- Incident response procedures.

TREE REMOVAL AND MANAGEMENT

Tree removal is to be strictly limited to nominated vegetation within the approved vegetation clearing plan.

FAUNA MANAGEMENT

All fauna management procedures shall be undertaken by a qualified wildlife specialist who holds a Rescue and Rehabilitation Permit issued by the Queensland Department of Environment and Science (fauna spotter-catcher).

The only person on the site authorised to handle wildlife is the spotter-catcher.

REPORTING REQUIREMENTS

On completion of vegetation clearing works, a post-clearing fauna report is to be prepared by the fauna spotter catcher and submitted to Council.

The supervising arborist will need to provide certification that all vegetation clearing works have been undertaken in accordance with this document. Certification is to include:

- Inspection log of works;
- Photographic records of works and monitoring activities;
- Details of any non-conformances and any remediation measures that were implemented;
- Details of any vegetation pruning undertaken on retained trees.

FIRE ANT MOVEMENT CONTROLS

To prevent the spread of fire ants, the Queensland Government has implemented controls that apply to individuals and commercial operators, to restrict the movement of materials that could carry fire ants. This includes soil, turf, potted plants, mulch, baled hay or straw, animal manures, mining, or quarry products.

Fire-ant safe practices (movement controls) have been developed to prevent the spread of fire ants and must be adhered to before moving any organic materials such as those listed above onto or off the site. Movement controls can be accessed from www.fireants.org.au and are outlined in the Biosecurity Regulation 2016.

Penalties apply for non-compliance with the movement controls.

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PROJECT : VEGETATION MANAGEMENT PLAN

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