

**From:** [developmentapplications@iconwater.com.au](mailto:developmentapplications@iconwater.com.au)  
**To:** [AC\\_EPD Customer Services](#)  
**Subject:** Icon Water Application Decision. Application - 212886. O'Connor - 25/43 (Email 2 of 4)  
**Date:** Friday, 8 September 2023 8:27:52 AM  
**Attachments:** [SUPP-202342029-GENERAL NOTES-02.pdf](#)  
[SURVEYCERT-202342029-02.pdf](#)  
[TREE-202342029-03.pdf](#)  
[TREE-202342029-NOTES-01.pdf](#)  
[TREESURVEY-202342029-02.pdf](#)

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## Icon Water

### Approval ID : 212886, O'Connor 25 /43

Your application has been assessed against Icon Water's water and sewerage network access and asset protection requirements.

Please find attached an Icon Water DECISION STATEMENT together with your stamped plans.

A failure to comply with decision statement conditions will invalidate the approval and will expose the land-holder to prosecution under the Utilities Act 2000.

Non-compliant submissions must be rectified and resubmitted to Icon Water for approval prior to construction commencing. A decision to proceed with construction using unapproved drawings will expose the land-holder to prosecution under the Utilities Act 2000.

Please note: Separate decision statements are required from other utilities (eg: electricity, gas, stormwater and communications)

### Future applications

Icon Water has introduced an online planning application process for obtaining utility clearances prior to submitting a development application or seeking building approval.

This revised application process consists of an electronic form available [here](#). By using the online form applicants will no longer need to complete the respective Water/Sewerage and Electricity/Gas application forms.

When an application is submitted it will be assessed against the water, sewerage, electricity and gas networks.

Icon Water requests that organisations register their details if they regularly submit applications. Registration will reduce the time it takes to lodge an application. To register, send a return email including the organisation's name, a contact name, phone number and email address.

Regards

***Bibek Ligal***

**Building Approvals and Network Protection**

**Icon Water**

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**Facsimile** 02 6242 1459

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**GENERAL NOTES**

1. CONTRACTOR TO ENSURE ALL CONSTRUCTION WORKS ARE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR MUST COMPLY WITH CURRENT WORK HEALTH AND SAFETY LEGISLATION, REGULATIONS AND CODES OF PRACTICE.
3. THE CONTRACTOR SHALL AT ALL TIMES HAVE A COPY OF THE RELEVANT SPECIFICATION AND CONTRACT SPECIFIC EXCEPTION CLAUSES ONSITE. RELEVANT SPECIFICATIONS INCLUDE, BUT ARE NOT LIMITED TO, TCCS MIS, ICON WATER WATER AND SEWERAGE STANDARDS, NSW TRANSPORT STANDARDS AND LOCAL COUNCIL CONSTRUCTION SPECIFICATION.
4. THE CONTRACTOR IS TO ENSURE ALL MATERIALS AND WORK IS IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS. FAILURE TO DO SO WILL RESULT IN WORKS BEING DEEMED DEFECTIVE.
5. INSPECTION, REMEDIATION, SUPERVISION AND REQUESTS FOR INFORMATION ON DEFECTIVE WORKS OR CONTRACTOR CHANGES SHALL ONLY BE CARRIED OUT AFTER AN AGREED FEE ARRANGEMENT HAS BEEN SIGNED BETWEEN TTW AND RELEVANT PARTIES ASSOCIATED WITH THE WORKS.
6. TTW DOES NOT GUARANTEE THE SURVEY INFORMATION ON THESE DRAWINGS IS ACCURATE. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ONSITE PRIOR TO THE COMMENCEMENT OF WORKS. ANY DISCREPANCIES BETWEEN CONSTRUCTION DRAWINGS AND ONSITE CONDITIONS SHALL BE REPORTED TO THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORKS.
7. UTILITIES INDICATED ON THESE DRAWINGS WERE COMPLIED FROM A VARIETY OF SOURCES AND ARE CATEGORISED IN ACCORDANCE WITH AS 5488.
8. PRIOR TO COMMENCING WORK ONSITE THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND SERVICES THROUGH MEANS OF POTHOLING. DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND CONDITIONS ONSITE SHALL BE REPORTED TO THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORKS.
9. BLOCK BOUNDARIES AND LAND ACCESS DETAILS SHOWN ON THE DRAWINGS ARE IN ACCORDANCE WITH SUPPLIED DIGITAL DATA OR SURVEY. ANY DISCREPANCIES ARE TO BE REFERRED TO THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORKS.
10. DRAWINGS ARE NOT TO BE SCALED, USE DIMENSIONS ON DRAWINGS ONLY.
11. THE CONTRACTOR IS TO ENSURE ALL WORKS MATCH SMOOTHLY TO THE EXISTING.
12. THE CONTRACTOR SHALL ENSURE ALL DISTURBED AREAS AND ASSETS ARE REINSTATED AT THE CONTRACTORS EXPENSE TO THE SUPERINTENDENT'S SATISFACTION. ASSETS TO BE REINSTATED INCLUDE, BUT ARE NOT LIMITED TO, PAVEMENTS, KERBS AND LANDSCAPING.
13. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING CONSTRUCTION METHODOLOGY FOR EARTHWORKS THAT IS CONSISTENT WITH RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND WORK HEALTHAND SAFETY REQUIREMENTS, THAT ALLOWS ALL WORKS TO BE CARRIES OUT IN A SAFE AND COORDINATED MANNER.



WATER AND SEWERAGE NETWORK

**CONDITIONALLY ACCEPTED**

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.

Signed **Bibek Ligal** Date **08 Sep 2023**

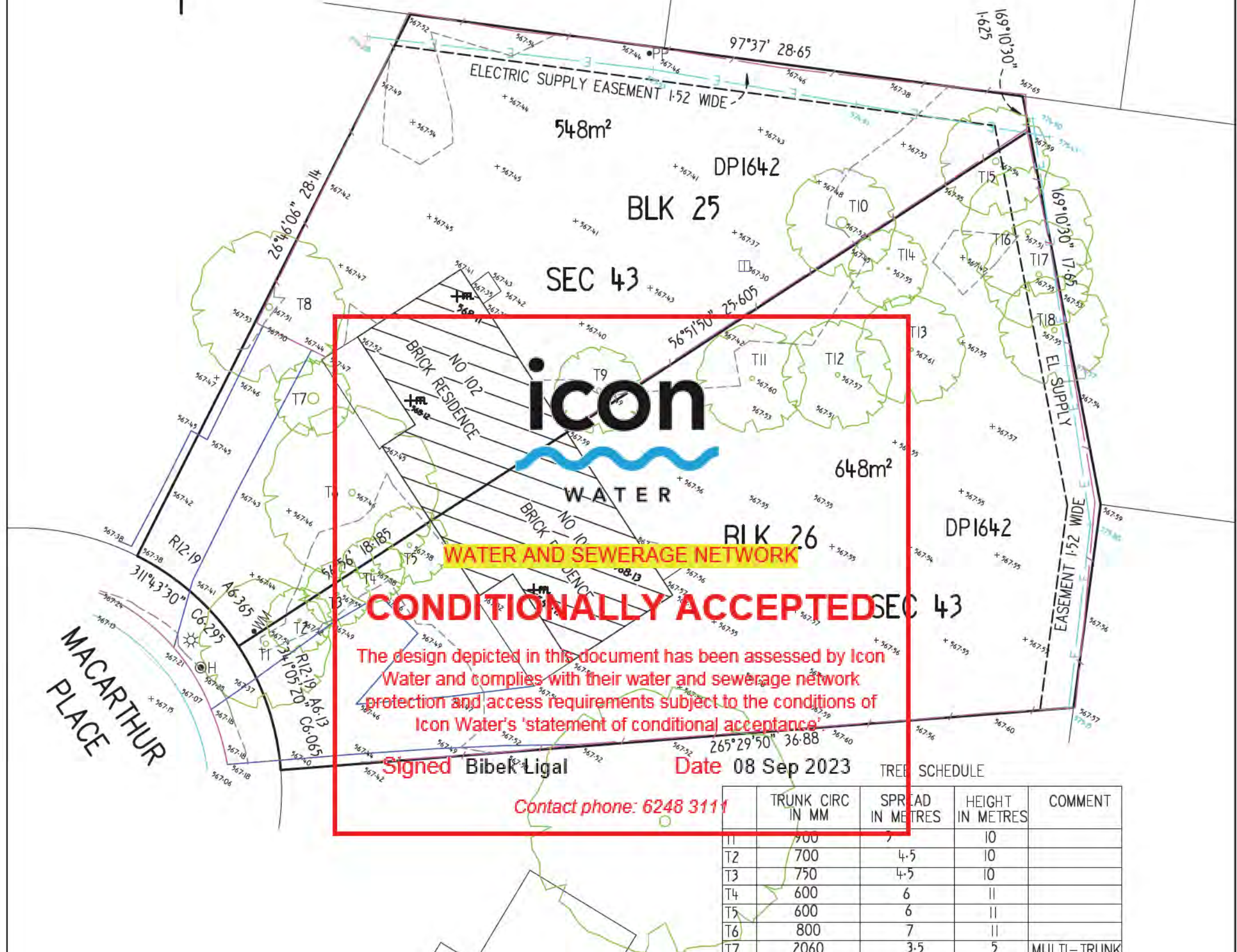
Contact phone: 6248 3111

F:\2023\239069\civil\sheet\010\239069-TTW-00-DR-CI-00002.dwg

**NOT FOR CONSTRUCTION**

			Architects:	Engineer:	Project:	Drawing Title:	Scale at A1	Drawn	Designed	Approved			
			PHILIP LEESON ARCHITECTS	<b>TTW</b> Structural Civil Traffic Façade	100, 102 MACARTHUR PL BLOCK 25, 26 SECTION 43 O'CONNOR, ACT	GENERAL NOTES		EM		CP			
				612 9439 7288   Level 6, 73 Miller Street, North Sydney, NSW 2060			Project No	Originator	Zone	Type	Role	Sheet No.	Rev
A	DA	DA EM 31.07.2023					239069-TTW-00-DR-CI-00002-A						
Rev	Description	Eng Draft Date	Rev	Description	Eng Draft Date	Rev	Description	Eng Draft Date	Rev	Description	Eng Draft Date	Rev	Description

31.07.2023 5:03 PM



The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.

Signed Bibek Ligal

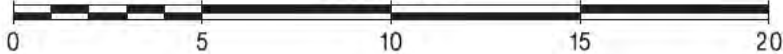
Date 08 Sep 2023

Contact phone: 6248 3111

TREE SCHEDULE

	TRUNK CIRC IN MM	SPREAD IN METRES	HEIGHT IN METRES	COMMENT
T1	900	7	10	
T2	700	4.5	10	
T3	750	4.5	10	
T4	600	6	11	
T5	600	6	11	
T6	800	7	11	
T7	2060	3.5	5	MULTI-TRUNK
T8	1300	6	6	
T9	600	5	5	
T10	1300	5	5	MULTI-TRUNK
T11	1400	7	8	MULTI-TRUNK
T12	1000	7	5	MULTI-TRUNK
T13	1100	6	4	MULTI-TRUNK
T14	400	3	4	MULTI-TRUNK
T15	1400	8	6	MULTI-TRUNK
T16	800	6	4	MULTI-TRUNK
T17	900	6	5	MULTI-TRUNK
T18	1400	6	6	MULTI-TRUNK

SCALE 1:200



*Richard Ulrich Schneider*

RICHARD ULRICH SCHNEIDER  
REGISTERED SURVEYOR  
(NSW-SURVEYORS ACT 2002)  
(ACT-SURVEYORS ACT 2007)

NOTE: UNDERGROUND SERVICES HAVE NOT BEEN LOCATED.

SURVEYOR U.S
DATE 24/06/2023
LEVEL DATUM A.H.D
CONTOUR INTERVAL 0.25M

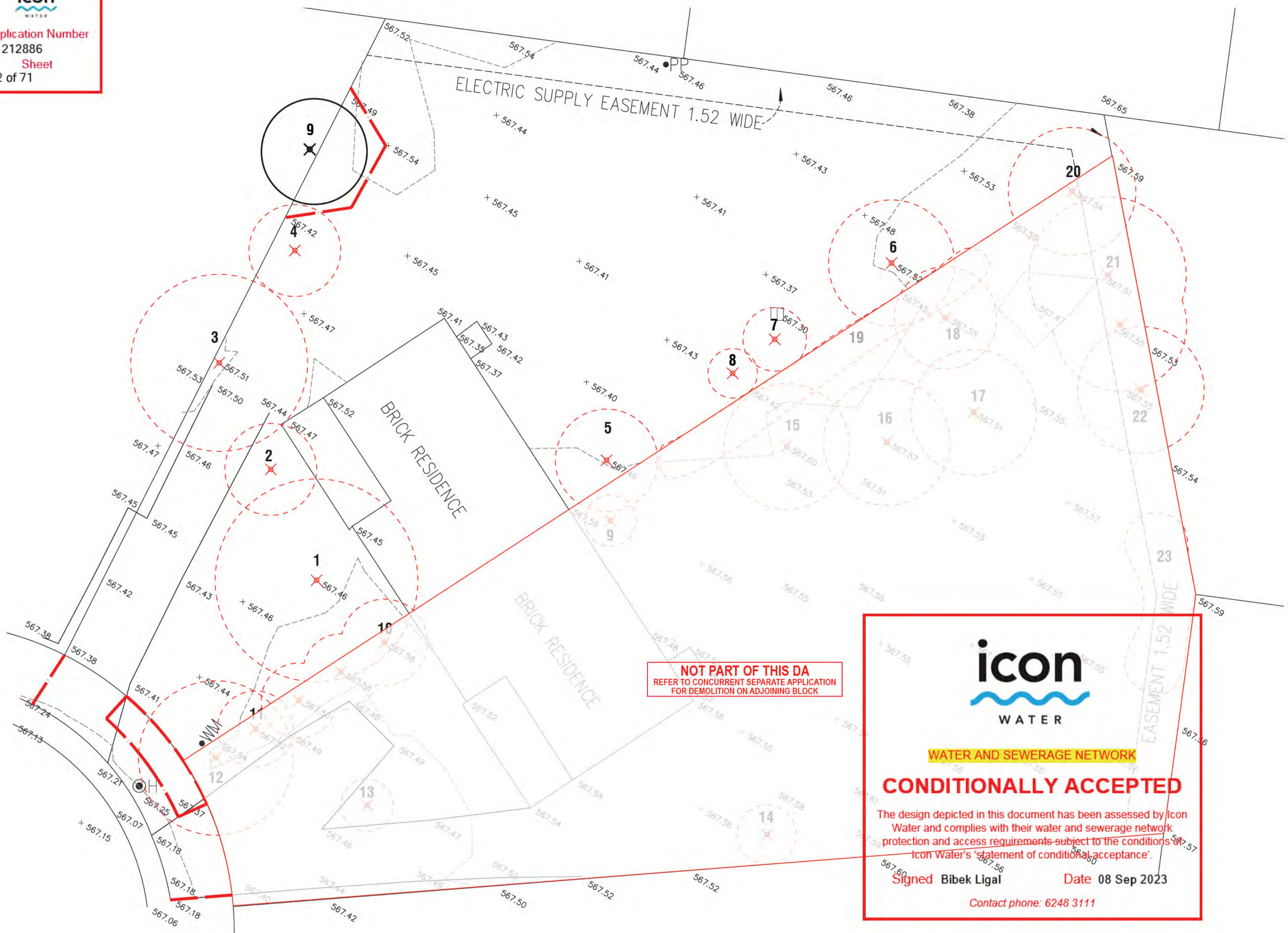


**CAPITAL SURVEYS**  
LAND & ENGINEERING SURVEYING  
PO BOX 7601, SUTTON NSW 2620  
PHONE : (02) 6230 3577  
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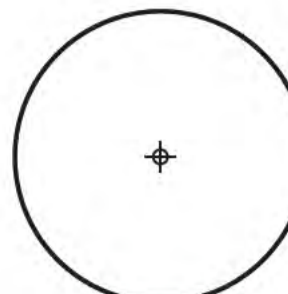




DRAWING TITLE CONTOUR & DETAIL SURVEY FOR DESIGN PURPOSES
CLIENT PHILIP LEESON ARCHITECTS

PROJECT BLKS 25 & 26 SEC 43 100 & 102 MACARTHUR PL O'CONNOR ACT
JOB NO. 7697
DRAWING REFERENCE 769702-DWG
SIZE A3



**LEGEND**

-  existing trees retained
-  existing trees removed
-  temporary construction fencing

NOT PART OF THIS DA  
REFER TO CONCURRENT SEPARATE APPLICATION  
FOR DEMOLITION ON ADJOINING BLOCK


  
**WATER AND SEWERAGE NETWORK**
  
**CONDITIONALLY ACCEPTED**
  
 The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.
   
 Signed Bibek Ligal Date 08 Sep 2023
   
 Contact phone: 6248 3111

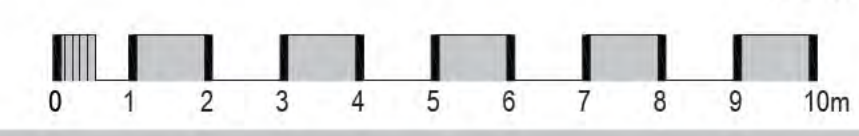
**REE ASSESSMENT SCHEDULE**

NO.	SPECIES	HEIGHT (m)	WIDTH (m)	TRUNKS (no.)	TRUNK CIRC. (mm)	RATING	REGULATED	RECOMMENDATION	COMMENTS
1	<i>Betula pendula</i>	11	7	1	800	POOR	NO	REMOVE	
2	<i>Punica granatum</i>	4	6	7	900	FAIR	NO	REMOVE	SHRUB
3	<i>Pyrus ssp.</i>	6	6	2	1300	POOR	NO	REMOVE	
4	<i>Pyrus ssp.</i>	4	3.5	2	450	POOR	NO	REMOVE	
5	<i>Pyrus ssp.</i>	5	5	1	600	POOR	NO	REMOVE	
6	<i>Cotinus coggyria</i>	5	5	2	1300	POOR	NO	REMOVE	
7	<i>Elaeagnus angustifolia</i>	2	3	-	-	GOOD	NO	REMOVE	SHRUB
8	<i>Acacia baileyana</i>	5	4	1	700	POOR	NO	REMOVE	WEED SPECIES
9	<i>Prunus ssp.</i>	5.5	4.4	-	-	FAIR	NO	RETAIN	IN NEIGHBOURING BLOCK
10	<i>Pyrus ssp. 3 trees</i>	10-11	4.5-6	1	600-750	FAIR	NO	REMOVE	
11	<i>Pyrus ssp.</i>	10	4.5	1	700	FAIR	NO	REMOVE	
12	<i>Pyrus ssp.</i>	10	5	1	900	FAIR	NO	REMOVE	
13	<i>Acer palmatum</i>	3	3	2	350	GOOD	NO	REMOVE	
14	<i>Callistemon ssp.</i>	3.5	4	2	500	GOOD	NO	REMOVE	SHRUB
15	<i>Deciduous tree</i>	8	7	5	1400	FAIR	NO	REMOVE	
16	<i>Prunus ssp.</i>	5	7	3	1000	FAIR	NO	REMOVE	
17	<i>Prunus ssp.</i>	4	6	5	1100	POOR	NO	REMOVE	
18	<i>Prunus ssp.</i>	4	3	2	400	POOR	NO	REMOVE	
19	<i>Pittosporum ssp. hedge</i>	6	2	-	-	POOR	NO	REMOVE	HEDGE
20	<i>Ligustrum vulgare</i>	6	8	1	1400	GOOD	NO	REMOVE	WEED SPECIES
21	<i>Prunus ssp.</i>	4-5	6	1-2	800-900	FAIR	NO	REMOVE	
22	<i>Pyrus ssp.</i>	6	6	3	1400	FAIR	NO	REMOVE	UNDER POWERLINES
23	<i>Mix of Ligustrum + Blackberry</i>	-	-	-	-	FAIR	NO	REMOVE	WEED SPECIES
24	<i>Prunus ssp.</i>	4	4	1	400	POOR	NO	REMOVE	

**REFER 203 FOR TPP NOTE!**

I.	DESCRIPTION FOR APPROVAL	DRAWN SP	APPROVED NH	DATE
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-


  
 Landscape Architect
   
 16 ROBE STREET
   
 DEAKIN ACT 2800
   
 p +61 2 6273 4661
   
 e hh@hhl.com.au
   
 www.hhl.com.au

SCALE @ A1  
 1:100
   


DATE  
 JULY 2023
   
 CLIENT  
 HOUSING ACT
   
 PROJECT  
 OCONNOR PL
   
 DRAWING TITLE  
 TREE PROTECTION PLAN

# TREE PROTECTION NOTES

Application Number  
1-212886  
General  
1.1. These notes must be read in conjunction with the requirements outlined in Reference Document 04

- 1.2. It is the responsibility of the developer to ensure that all territory assets are protected from damage.
- 1.3. No works other than those identified on the approved LMPP are to take place within the Tree Protection Zone (TPZ) of an existing tree. No construction activities such as storage, parking, stockpiling, site sheds, construction access, washdown, excavation etc. are accepted without approval.
- 1.4. Prior to construction all protection measures indicated on the approved LMPP MUST be implemented onsite. The project team must notify Urban Treescapes (UTS) in writing, once the protection measures have been installed TCCS\_CPUTDDCoord@act.gov.au, and organise an inspection.

## 2. Site Access – Refer Vehicle Access within TPZ also.

This section of notes is applicable for all developments

- 2.1. Site access must be strictly through the access points identified on this plan. Access through unleased land that is not identified on the approved LMPP is strictly prohibited.

## 3. Storage of materials

This section of notes is applicable for all developments

- 3.1. The storage of construction materials and the parking of vehicles or equipment on verges or adjacent public open spaces are not permitted without prior approval from TCCS. 3.1.1. Only storage and parking locations on unleased land identified on this LMPP are approved.

## 4. Site Accommodation

This section of notes is applicable for all developments

- 4.1. Site sheds, site amenities, storage sheds, skips, billboards, or containers are strictly prohibited from being placed on unleased land unless identified on the approved LMPP, and Public Unleased Land Permit.

- 4.1.1. Only site amenities on unleased land identified on this LMPP are approved.

## 5. Fencing

This section is applicable for all development sites adjacent to unleased land. Protection fencing must be identified on the LMPP to protect territory assets adjacent the development site. 5.1. Protection fencing

- 5.0.1. Fencing must be erected before commencement of any construction activities on site, this includes but is not limited to starting of demolition works, delivery of machinery or materials, stockpiling, storage etc.

- 5.1.2. Fencing must be erected in the location, alignments and material indicated on the approved LMPP and must stop access throughout construction.

- 5.0.3. Fencing must remain in place for the entirety of the project, and maintained in good, safe working order until operational acceptance is granted. Removal before OA is granted must be approved by TCCS in writing.

- 5.1.4. Fencing must be rigid mesh temporary fence panels supported by steel posts and concrete bases. Support posts driven into the ground are STRICTLY prohibited. 5.1.5. All connecting fixtures/hardware must be securely mounted so fencing cannot be dismantled and removed by the public.

- 5.1.6. The use of alternative fencing materials must be discussed with, and approved by,

- 5.1.7. Fencing must be setback from footpaths and civil infrastructure as per REF04 requirements

- 5.1.8. Any deviation from these setbacks must be clearly noted on the LMPP for review by TCCS.

## 6. Canopy Protection

This section of notes is applicable where the existing canopy of a tree on unleased land is likely to be impacted by construction works. The following canopy protection requirements are mandatory

- 6.1. The developer is responsible to minimise any impacts on the tree canopies and protect all existing tree canopies from construction activities.

- 6.2. Where canopy impacts are identified, the following requirements are mandatory.

- 6.2.1. Identify any pruning requirements on the LMPP by notionally indicating on a photograph where the limbs may need to be pruned or tied back.

- 6.2.2. Where directed by TCCS, a suitably qualified arborist with a minimum Certificate 5 qualification must be engaged to identify the canopy impacts and propose the preferred tie back of limbs or extent of pruning required.

- 6.2.3. Where pruning is identified, refer to section 5 of these notes.

## 6.3. Branch Pruning of Territory Trees

This section of notes is applicable wherever pruning is required to trees on unleased land. All pruning activities MUST be indicated on the approved LMPP.

- 6.3.1. All pruning and tying of branches must be undertaken by suitably qualified arborists with a minimum Certificate 3 qualification as per best practice AS4373.

- 6.3.2. Where practical branches should be tied back clear of the work, and pruning should only be used as last resort.

- 6.3.3. A pruning report from the arborist must be completed and issued to TCCS Urban Treescapes (UTS) with the LMPP and LoDR for approval BEFORE pruning activities can commence.

- 6.3.4. Once the pruning report has been endorsed by TCCS Urban Treescapes, the project representative must notify TCCS Urban Treescapes of when the pruning is planned to take place TCCS.UrbanTreesDDCoord@act.gov.au.

## 7. Trunk/Branch Protection

This section is applicable where work is required within the tree protection zone of an existing tree. Trunk protection MUST be installed when work is required within the TPZ of a tree. 7.1. Protection battens must be put in place before commencing works and maintain in good condition throughout the work period. Protection battens can only be removed at the completion of works

### 7.2. Trunk protection (as per current AS4970 requirements)

- 7.2.1. Loosely wrap the trunk requiring protection in a thick layer of hessian.

- 7.2.2. Use minimum 2m lengths of timber for the trunk protection and install at base of trunk for full circumference of tree. Space battens so gaps between battens are no greater than 20mm. Battens must be untreated timber free of nails, screws or bolts.

- 7.2.3. Lash battens to tree using straps, rope or hessian webbing ensuring the battens are secure against the tree, but not too tight on the trunk. Battens must be lashed at the top, bottom and middle as a minimum.

### 7.3. Branch Protection (as per current AS4970 requirements)

- 7.3.1. Where low hanging branches greater than 100mm in diameter are likely to be impacted by the works they will require additional protection.

- 7.3.2. Loosely wrap the branches requiring protection in a thick layer of hessian. 7.3.3. Use timber cut to length to suit the branch requiring protection and install to full circumference of branch. Space battens so gaps between battens are no greater than 20mm. Battens must be untreated timber free of nails, screws or bolts.

- 7.3.4. Lash battens to tree using straps, rope or hessian webbing ensuring the battens are secure against the tree, but not too tight on the trunk. Battens must be lashed at the top, bottom and middle as a minimum

8. Demolition within the TPZ - Refer also Canopy, Trunk/Branch, Root protection notes This section of notes is applicable where existing infrastructure is required to be demolished within the TPZ of an existing tree

- 8.1. Only the demolition works within TPZ areas as indicated on the approved LMPP. Any demolition work within TPZ areas, that is not indicated on the endorsed plan is not approved by Urban Treescapes and an updated LMPP must be provided to TCCS for re endorsement before commencing the works.

### 8.2. Demolition of old pavement within TPZ –

- 8.2.1. All construction work is to be completed prior to excavation and removal of the existing pavement. This is to ensure the tree roots do not dry out before work is completed.

- 8.2.2. To minimise root damage, the removal of the existing pavement shall be carefully done in small staged sections and only to the depth of the existing material (surface layer and base layer), so as to not cause damage to tree roots.

- 8.2.3. No machinery is to be allowed within the TPZ and must always stay outside this zone during the removal of the old pavement material.

- 8.2.4. Any damage to the tree/ tree roots which causes the tree to decline, will require tree replacement at the developer's expense.

9. Excavation within the Tree Protection Zone (TPZ)- Refer also notes section 5.2 and 8. This section of notes is applicable where excavation within the TPZ of a tree on unleased land is approved by TCCS. All excavations within the TPZ must be shown on the LMPP, otherwise if excavation is not shown on the LMPP the impact on the trees caused by the excavation is considered unapproved

- 9.1. The term "Excavation" in relation to this clause means any earth works greater than 100mm in depth from the existing surface level, including trenching for services

- 9.2. Only the excavations identified on this LMPP are approved within the TPZ 9.3. Excavation within the structural root zone (SRZ) of a tree as outlined in AS4970, is STRICTLY prohibited.

- 9.4. Excavation within the TPZ must be executed using either under-boring, hydro-excavation or hand digging techniques, unless an alternative method has been documented and endorsed by Urban Treescapes.

- 9.5. Where identified by UTS, excavation to expose roots may be required to be undertaken by low-pressure hydro-excavation using a fan shaped nozzle head that is kept 15cm from soil profile.

- 9.6. A suitably qualified arborist must be present when excavations through the TPZ of a tree are being executed.

- 9.7. No roots greater than 30mm in diameter are to be cut, Refer Section 5.2 of these notes.

- 9.8. If additional excavation within the TPZ is identified to be required through the construction period, the developer/contractor must seek approval from TCCS BEFORE starting the works

## 10. Tree Root Protection – Refer also notes section 5.2

This section is applicable where existing tree roots are found in excavation locations. 10.1. Most tree roots are found within the top 300mm depth of soil, so the following protection measures MUST be followed when roots are encountered

- 10.2. Maintain the good health of the trees that have had disturbance in their root zone by continual watering, at no time shall the disturbed area be allowed to dry out to the detriment of the trees health.

- 10.3. Where extensive root damage has been caused, the developer must seek advice from an arborist about measures to minimise the impact of the damage on the trees' health (additional watering, fertilising etc.)

- 10.4. All exposed roots must be backfilled/covered with soil immediately. 10.4.1. Backfill around tree roots will be in accordance with AS 4970 to match finished levels. Where site soil is unable to

be re-used, soil to meet MITS-09A Soil requirements must be used unless otherwise approved.

- 10.4.1. Where roots cannot be covered immediately the roots must be protected from desiccation by lightly watering or covering with hessian which must be kept moist, 10.4.3. Where proposed works come in contact with tree roots, a layer of geotextile fabric must be placed over roots and underneath any new pavement or infrastructure (driveways and footpaths for example).

### 10.5. Root pruning

- 10.5.1. Cutting of roots should be the last resort and only undertaken if no other option is available and root cutting is approved by UTS.

- 10.5.1.1. Alternative construction methodology may be proposed by UTS, such as bridging over, or under-boring under a large root that would compromise

- ongoing tree health. Roots greater than 30mm in diameter must not be cut. If roots greater than 30mm in diameter are required to be cut, approval from UTS must be sought before cutting.

- 10.5.2. All roots shall be cut with suitable professional equipment and by suitably qualified arborists with a minimum Certificate 3 qualification.

- 10.5.3. Any roots that are required to be removed must be cut cleanly with clean and sharp arborist tools. Tree roots are not to be ripped, torn, or pulled away from the root mass. 10.5.4. Any damage to the tree/ tree roots which causes the tree to decline, will require tree replacement at the developer's expense.

### 11. Vehicle access within the TPZ

This section of notes is applicable where any vehicle movement is required through the TPZ of an existing tree. All access through the TPZ of an existing must be indicated on the approved LMPP.

- 11.1. Vehicle access through the TPZ of an existing tree is strictly prohibited unless indicated and approved on the project LMPP

- 11.2. Vehicle access within the structural roots zone (Refer Current AS4970) is strictly prohibited.

- 11.3. Vehicle access through a low hanging canopy is strictly prohibited (less than 3.5m clearance from existing ground to the lowest major limb)

- 11.4. Clearly mark out the approved access route onsite so vehicles do not deviate from the approved route.

### 11.5. Access route stabilisation within the TPZ

- 11.5.1. Place a minimum 200mm layer of organic 25mm wood chip mulch on the area of the TPZ the vehicle route that passes through. The mulch layer is to be maintained at this thickness under areas of traffic for as long as access is required.

- 11.5.2. Place a protective board (Fumble board) over the mulch ensuring each board is securely connected to the next board (as required) with gaps no between boards no greater than 30mm.

- 11.5.3. Boards must be kept in place and in good condition for the duration of the access requirements.

- 11.5.4. Alternative stabilisation materials for the access route such as access for heavy vehicles, must be discussed and approved by TCCS.

- 11.6. Where vehicles are likely to conflict with branches, branch protection must be implemented. Refer notes section 3 for limb protection requirements

- 11.7. If pruning of a tree is required to facilitate access, this must be clearly identified on the LMPP and approved by UTS. Refer notes section 5 for pruning requirements

- 11.8. Vehicle access through the TPZ of an existing tree must not be closer than 3m to the trunk of the tree (unless otherwise agreed with TCCS)

### 12. Protection of unleased land

This section of notes is applicable to all developments for all works other than minor works\*, and unless otherwise approved by AA, a suitably qualified landscape architect or horticulturist shall be employed to ensure that work in the verge meets the Requirements. The architect/horticulturist shall also be present during any cultivation or restoration of the verge which affects plant material and shall provide certification, endorsed by the Coordinator, that all work, cultivation and restoration have been performed to industry standards.

- 12.1.1. \* (i.e. minor in complexity and / or scope of works and confirmed as a minor works by AA)

- 12.2. At the finalisation of the development works, the territory assets in unleased land adjacent the development must be unaltered and in the same or better condition than before the development works commenced, unless adjustments to these assets have been approved by TCCS as part of the development approvals

- 12.3. Where territory assets on unleased land have been damaged by the development, these assets must be fully rectified at the cost of the developer to the requirements in the TCCS Municipal Infrastructure Technical Specifications, or the requirements in the Composite Verge Landscape Plan as approved by TCCS.

**CONDITIONALLY ACCEPTED**

The design depicted in this document has been assessed by Icon Water's statement of conditional requirements

Icon Water's statement of conditional requirements

For all works other than minor works\*, and unless otherwise approved by AA, a suitably qualified landscape architect or horticulturist shall be employed to ensure that work in the verge meets the Requirements. The architect/horticulturist shall also be present during any cultivation or restoration of the verge which affects plant material and shall provide certification, endorsed by the Coordinator, that all work, cultivation and restoration have been performed to industry standards.

REV.	DESCRIPTION	DRAWN	APPROVED	DATE
A	FOR APPROVAL	SP	NH	10 JUL 23
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

Landscape Architect  
16 ROBE STREET  
DEAKIN ACT 2800  
p +61 2 6273 4661  
e hhh@hh.com.au  
www.hhh.com.au

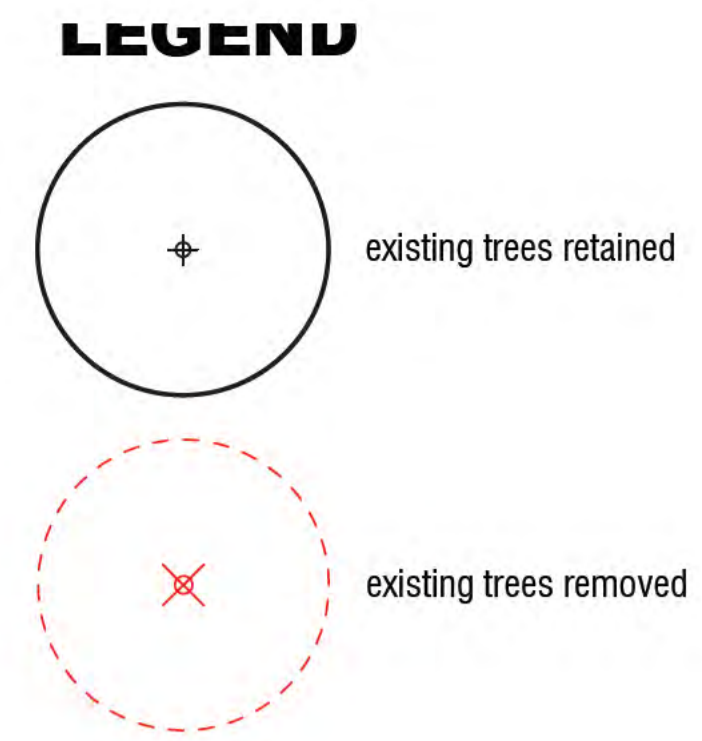
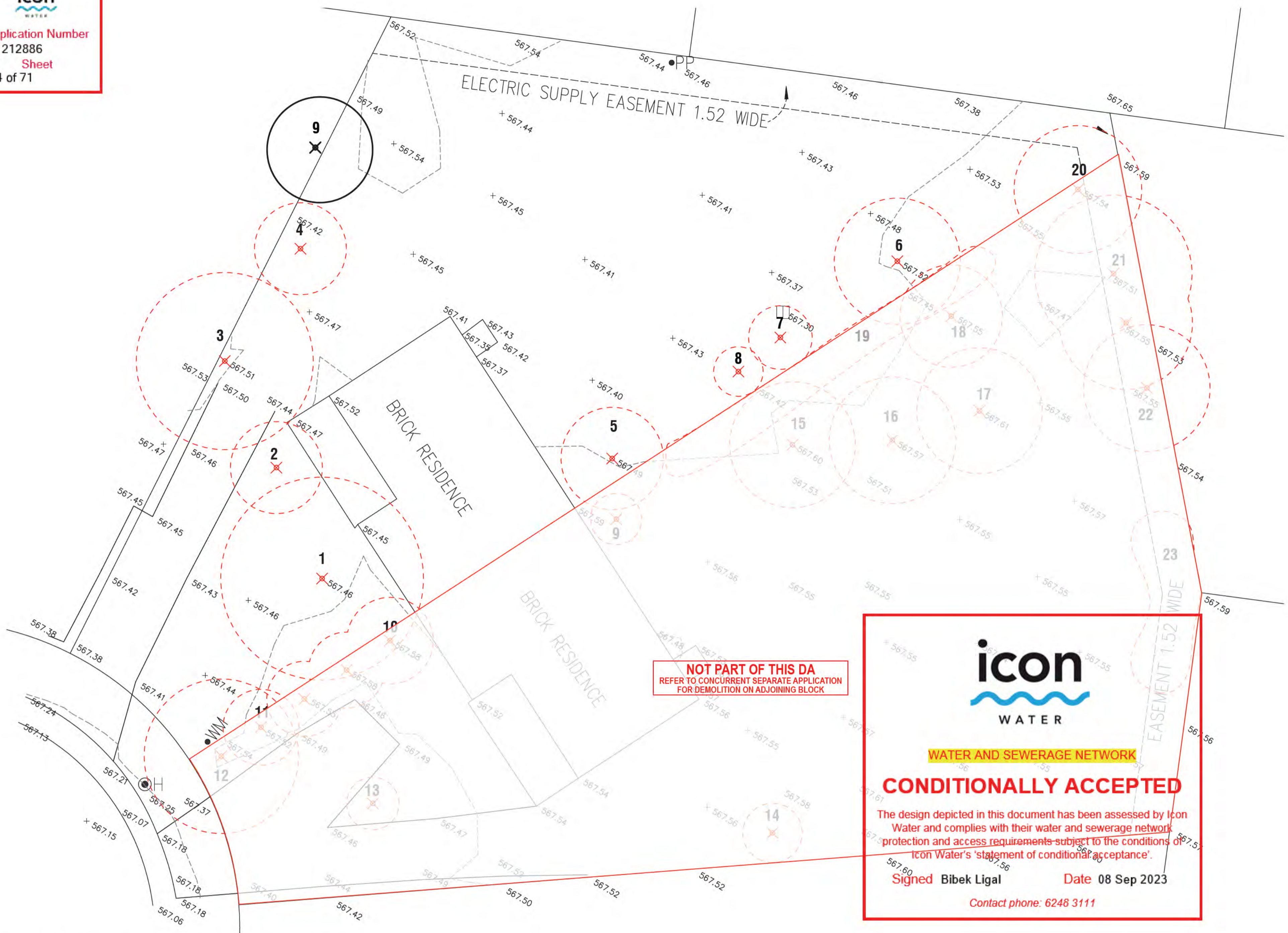
Harris Hobbs Landscapes acknowledges the Ngunawal people, the traditional custodians of the land on which we live, work, rest and play.

SCALE @ A1  
1:100

DATE JULY 2023	PROJECT OCONNOR PLA
CLIENT HOUSING ACT	DRAWING TITLE TREE PROTECTION PLAN NOTES

STATUS: FOR APPROVAL

JOB: 23079 REV: A DWG: 203



**TREE ASSESSMENT PHOTOS**



**TREE ASSESSMENT SCHEDULE**

NO.	SPECIES	HEIGHT (m)	WIDTH (m)	TRUNKS (no.)	TRUNK CIRC. (mm)	RATING	REGULATED	RECOMMENDATION	COMMENTS
1	<i>Betula pendula</i>	11	7	1	800	POOR	NO	REMOVE	
2	<i>Punica granatum</i>	4	6	7	900	FAIR	NO	REMOVE	SHRUB
3	<i>Pyrus ssp.</i>	6	6	2	1300	POOR	NO	REMOVE	
4	<i>Pyrus ssp.</i>	4	3.5	2	450	POOR	NO	REMOVE	
5	<i>Pyrus ssp.</i>	5	5	1	600	POOR	NO	REMOVE	
6	<i>Cotinus coggyria</i>	5	5	2	1300	POOR	NO	REMOVE	
7	<i>Elaeagnus angustifolia</i>	2	3	-	-	GOOD	NO	RETAIN	SHRUB
8	<i>Acacia baileyana</i>	5	4	1	700	POOR	NO	REMOVE	WEED SPECIES
9	<i>Prunus ssp.</i>	5.5	4.4	-	-	FAIR	NO	RETAIN	IN NEIGHBOURING BLOCK
10	<i>Pyrus ssp. 3 trees</i>	10-11	4.5-6	1	600-750	FAIR	NO	REMOVE	
11	<i>Pyrus ssp.</i>	10	4.5	1	700	FAIR	NO	REMOVE	
12	<i>Pyrus ssp.</i>	10	5	1	900	FAIR	NO	REMOVE	
13	<i>Acer palmatum</i>	3	3	2	350	GOOD	NO	REMOVE	
14	<i>Callistemon ssp.</i>	3.5	4	2	500	GOOD	NO	REMOVE	SHRUB
15	<i>Deciduous tree</i>	8	7	5	1400	FAIR	NO	REMOVE	
16	<i>Prunus ssp.</i>	5	7	3	1000	FAIR	NO	REMOVE	
17	<i>Prunus ssp.</i>	4	6	5	1100	POOR	NO	REMOVE	
18	<i>Prunus ssp.</i>	4	3	2	400	POOR	NO	REMOVE	
19	<i>Pittosporum ssp. hedge</i>	6	2	-	-	POOR	NO	REMOVE	HEDGE
20	<i>Ligustrum vulgare</i>	6	8	1	1400	GOOD	NO	REMOVE	WEED SPECIES
21	<i>Prunus ssp.</i>	4-5	6	1-2	800-900	FAIR	NO	REMOVE	
22	<i>Pyrus ssp.</i>	6	6	3	1400	FAIR	NO	REMOVE	UNDER POWERLINES
23	<i>Mix of Ligustrum + Blackberry</i>	-	-	-	-	FAIR	NO	REMOVE	WEED SPECIES
24	<i>Prunus ssp.</i>	4	4	1	400	POOR	NO	REMOVE	

NO.	DESCRIPTION FOR APPROVAL	DRAWN SP	APPROVED NH	DATE
1				10 JUL 23
2				
3				
4				
5				
6				
7				
8				
9				
10				

**icon WATER**  
WATER AND SEWERAGE NETWORK  
**CONDITIONALLY ACCEPTED**  
The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.  
Signed Bibek Ligal Date 08 Sep 2023  
Contact phone: 6248 3111

**From:** [developmentapplications@iconwater.com.au](mailto:developmentapplications@iconwater.com.au)  
**To:** [AC, EPD Customer Services](#)  
**Subject:** Icon Water Application Decision. Application - 212886. O'Connor - 25/43 (Email 3 of 4)  
**Date:** Friday, 8 September 2023 8:28:24 AM  
**Attachments:** [VERGE-202342029-02.pdf](#)  
[VERGE-202342029-NOTES-03.pdf](#)  
[VERGE-202342029-NOTES-04.pdf](#)

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[Learn why this is important](#)

## Icon Water

### Approval ID : 212886, O'Connor 25 /43

Your application has been assessed against Icon Water's water and sewerage network access and asset protection requirements.

Please find attached an Icon Water DECISION STATEMENT together with your stamped plans.

A failure to comply with decision statement conditions will invalidate the approval and will expose the land-holder to prosecution under the Utilities Act 2000.

Non-compliant submissions must be rectified and resubmitted to Icon Water for approval prior to construction commencing. A decision to proceed with construction using unapproved drawings will expose the land-holder to prosecution under the Utilities Act 2000.

Please note: Separate decision statements are required from other utilities (eg: electricity, gas, stormwater and communications)

### Future applications

Icon Water has introduced an online planning application process for obtaining utility clearances prior to submitting a development application or seeking building approval.

This revised application process consists of an electronic form available [here](#). By using the online form applicants will no longer need to complete the respective Water/Sewerage and Electricity/Gas application forms.

When an application is submitted it will be assessed against the water, sewerage, electricity and gas networks.

Icon Water requests that organisations register their details if they regularly submit applications. Registration will reduce the time it takes to lodge an application. To register, send a return email including the organisation's name, a contact name, phone number and email address.

Regards

***Bibek Ligal***

[Building Approvals and Network Protection](#)

[Icon Water](#)

**Telephone** 02 6248 3111

**Facsimile** 02 6242 1459

**Email** [developmentapplications@iconwater.com.au](mailto:developmentapplications@iconwater.com.au)

GPO Box 366 Canberra ACT 2601

[www.iconwater.com.au](http://www.iconwater.com.au)

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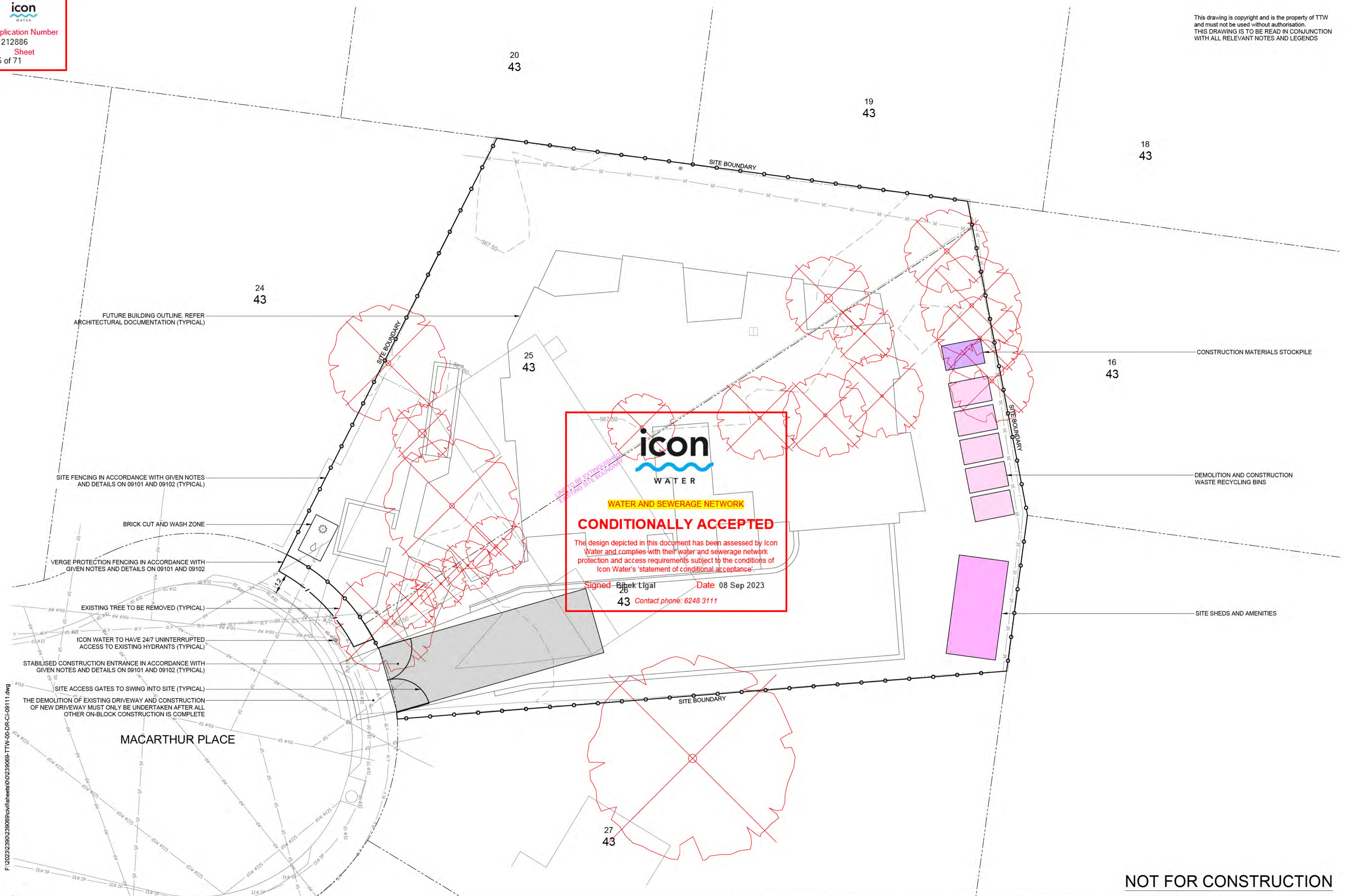
\*\*\*\*\*

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**NOT FOR CONSTRUCTION**

Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date
A	DA	DA	EM 31.07.2023				

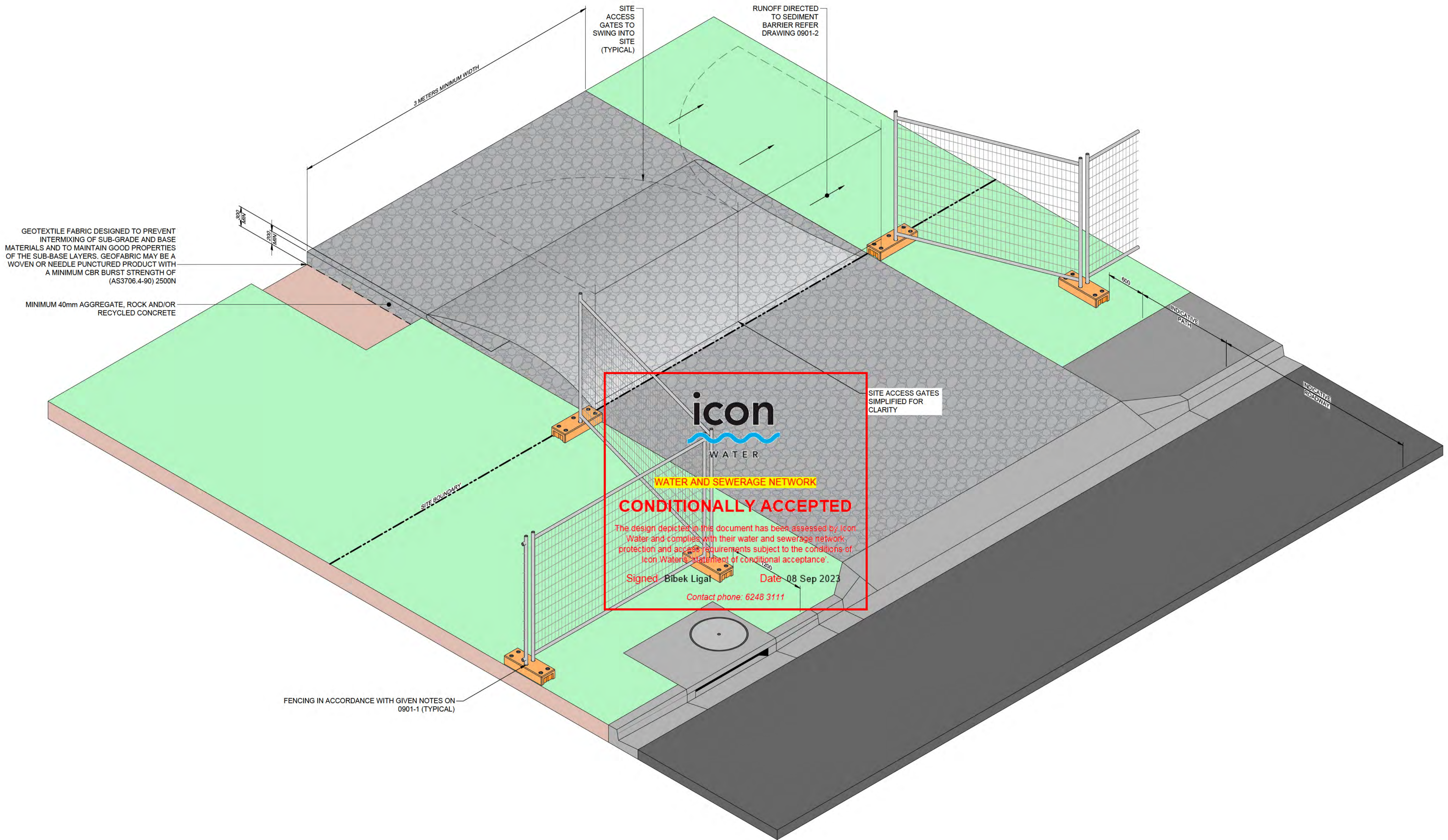
Architects: PHILIP LEESON ARCHITECTS

Engineer: **TTW** Structural Civil Traffic Façade
   
 612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060
   
 073

Project: 100, 102 MACARTHUR PL
   
 BLOCK 25, 26 SECTION 43
   
 O'CONNOR, ACT

Drawing Title: ENVIRONMENTAL
   
 LANDSCAPE PROTECTION
   
 PLAN

Scale at A1	Drawn	Designed	Approved
	EM	CP	CP
Project No	Originator	Zone	Type
239069-TTW-00-DR-CI-09111-A			
31.07.2023	5:00 PM		



icon  
WATER  
WATER AND SEWERAGE NETWORK  
**CONDITIONALLY ACCEPTED**  
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Contact phone: 6248 3111

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**NOT FOR CONSTRUCTION**

Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date
A	DA	DA	EM 31.07.2023				

Architects:  
PHILIP LEESON ARCHITECTS

Engineer  
**TTW**  
Structural  
Civil  
Traffic  
Façade  
612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060  
074

Project:  
100, 102 MACARTHUR PL  
BLOCK 25, 26 SECTION 43  
O'CONNOR, ACT

Drawing Title:  
ENVIRONMENTAL  
LANDSCAPE PROTECTION  
NOTES AND LEGEND  
SHEET 1

Scale at A1	Drawn	Designed	Approved			
	EM		CP			
Project No	Originator	Zone	Type	Role	Sheet No.	Rev
239069-TTW-00-DR-CI-09101-A						
31.07.2023	5:02 PM					



**From:** [developmentapplications@iconwater.com.au](mailto:developmentapplications@iconwater.com.au)  
**To:** [AC, EPD Customer Services](#)  
**Subject:** Icon Water Application Decision. Application - 212886. O'Connor - 25/43 (Email 4 of 4)  
**Date:** Friday, 8 September 2023 8:27:39 AM  
**Attachments:** [WASTEREPORT-202342029-02.pdf](#)  
[Demolition checklist.pdf](#)

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## Icon Water

### Approval ID : 212886, O'Connor 25 /43

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Regards

***Bibek Ligal***

[Building Approvals and Network Protection](#)

[Icon Water](#)

**Telephone** 02 6248 3111

**Facsimile** 02 6242 1459

**Email** [developmentapplications@iconwater.com.au](mailto:developmentapplications@iconwater.com.au)

GPO Box 366 Canberra ACT 2601

[www.iconwater.com.au](http://www.iconwater.com.au)

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\*\*\*\*\*

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## PROJECT APPLICATION DETAILS – COVER SHEET

This section of the Waste and Recycling Management Plan must be completed by all applicants when lodging a submission for a Development Application, Design Acceptance, or Operational Acceptance.

**Note:** The Submission must be complete and include **all the elements for the WRMP** TCCS will not accept incomplete Submissions or Submissions from individual consultants for separate elements of the WRMP. Assessment will not commence until a complete Submission has been received.

### SITE DETAILS

**Project Title:** Macarthur Development

**Description:** Multi-unit Development

### DEVELOPER'S/CLIENT'S DETAILS

**Name of entity:**

**Contact Person:**

**Address:**

**Phone Number:**



### APPLICANT'S DETAILS

**Company name:** Taylor Thomsom Whittington

**Contact person:** Daniel Cortijo

**Address:** Level 5 224 Bunda Street, ACT **WA The Number:** 6215 9210

**Email:** daniel.cortijo@ttw.com.au

**WATER AND SEWERAGE NETWORK**

### LODGEMENT STAGE

**Development Application:**

Yes

No

N/A

**Design Acceptance:**

Yes

No

N/A

**Operational Acceptance:**

Yes

No

N/A

**CONDITIONALLY ACCEPTED**

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.

### PROJECT DETAILS (CHECK ALL RELEVANT BOXES)

Single Dwelling and Dual Occupancy Dwellings

Multi-unit residential development – individual MGBs with kerbside collection (Section 2.1a)

Multi-unit residential development – shared MGBs with kerbside collection (Section 2.1b)

Multi-unit residential development – bins with on-site collection (Section 2.1c)

Commercial, public and industrial development (Section 2.2)

Mixed-use development (Sections 2.1 and 2.2)

Demolition, Excavation and Construction (Section 3)

Signed **Bibek Ligal**

Date **08 Sep 2023**

Contact phone: **0245 3111**

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## PROJECT APPLICATION DETAILS – COVER SHEET

The Cover Sheet Checklist provides a brief overview of the Submission. All relevant WRMP forms and associated documentation must also be submitted with this application. The Design Solution will be either Performance-based (Perf) or Deemed-to-Satisfy (DtS) – if a combination of both then select Performance.

CHECKLIST						
WASTE MANAGEMENT COMPONENT (DCC Reference)	DESIGN SOLUTION		COMPLIANT (check one box)			
	Perf	DtS	Yes	No	N/A	Office use
Performance solutions approved at Pre-Application stage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-standard collection requiring ACT NoWaste approval	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Indoor storage spaces for each dwelling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Path of travel from dwelling to waste enclosure <i>designated collection point</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Path of travel from waste enclosure to <i>designated collection point</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Facilities and path of travel are <i>accessible</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waste service compartments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Performance of <i>chutes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
On-site storage facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Compaction equipment – include <b>WATER AND SEWERAGE NETWORK</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ancillary waste equipment – bin lifters, <i>carousels</i> etc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Loading areas or <i>designated collection points</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unobstructed kerb space at <i>designated collection points</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internal circulation on roadways	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Swept path</i> clearances – certified by qualified engineer	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vertical and horizontal clearances, including trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operations management plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Mixed use</i> – separation of residential and non-residential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C&D, Excavation – type/volume or tonnage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C&D, Excavation – on-site/off-site management	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C&D, Excavation – vehicle access	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Supporting drawings and documentation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Submission requirements</i> addressed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Work As Executed</i> records (Operational Acceptance)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**WATER AND SEWERAGE NETWORK**

**CONDITIONALLY ACCEPTED**

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's statement of conditional acceptance.

Signed **Bibek Ligal** Date **08 Sep 2023**

Contact phone: **6248 3111**

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(A) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY INDIVIDUAL MGBS COLLECTED AT KERBSIDE)

Controls for these developments are included in Part 3.2.5 and Part 3.5 of the DCC. Submission requirements are stated in Part 3.5.4. Where appropriate, provide plans showing details to support the application.

This section applies to the following:

- Development applications for new multi-unit residential developments
- Development applications for alterations or additions to existing multi-unit residential developments if there is an effect on the provision of waste and recycling services
- Development applications for new mixed-use developments that include multi-unit residential developments.

### STORAGE FACILITIES

#### CONTROL C1 OF DCC – INDOOR WASTE AND RECYCLING STORAGE SPACE

Location and dimensions of indoor waste and recycling storage space for each dwelling type  
(Provide tabulated calculations of the total waste and recycling generated per week as per Table A4.2)

Description

Drawing  
Reference  
Numbers

Development satisfies control C1 of the DCC:  Yes  No

#### CONTROL C2 – EXTERNAL WASTE, RECYCLING AND GREEN WASTE STORAGE AREA

Location and dimensions of was **WATER AND SEWERAGE NETWORK**  
(Refer to **Table 3.3** for mandatory submission requirements. Use Tables **A4.5** and **A4.5** to calculate waste and recycling storage requirements for the development. Refer to **14.3** and the [City Services website](#) for green waste storage requirements, if applicable for this development)

**CONDITIONALLY ACCEPTED**

Description

Development satisfies control C2 of the DCC:  Yes  No

Signed **Bibek Ligal** Date **08 Sep 2023**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact or the ability of the waste transporter to provide the service:

Contact phone: 6245 3111

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(A) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY INDIVIDUAL MGBS COLLECTED AT KERBSIDE)

### PATH OF TRAVEL

#### CONTROL C3 – ACCESSIBLE PATH OF TRAVEL

Path of travel for moving bins from the waste, recycling and green waste storage area to the designated collection point.

(Refer to R2.3 of Table 3.3 for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C3 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

### DESIGNATED COLLECTION POINT

#### W A T E R

#### CONTROL C4 AND C5 – DESIGNATED COLLECTION POINT (KERBSIDE)

Location of designated collection point **WATER AND SEWERAGE NETWORK** kerb frontage and indicative presentation layout of MGBs on kerbside

(Refer to R2.4 of Table 3.3 for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C4 and C5 of the DCC:  Yes  No **Date 08 Sep 2023**

Provide details if DCC requirements are not satisfied and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

**CONDITIONALLY ACCEPTED**

water and complies with their water and sewerage network

Signed **Bibek Ligal** Date **08 Sep 2023**

Contact phone: 6245 3111

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(A) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY INDIVIDUAL MGBS COLLECTED AT KERBSIDE)

### COMPLETE IF DEVELOPMENT IS PART OF A MIXED-USE DEVELOPMENT ONLY

#### CONTROL C23 (PART 5.3) – SEPARATION OF RESIDENTIAL AND NON-RESIDENTIAL WASTE

Identify how *residential* and non-residential waste and recycling will be kept separate and methods to minimise the potential for commercial tenants to use *residential waste* and recycling bins

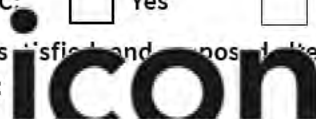
(Refer to **R4** of **Table 5.2** for mandatory submission requirements).

Description

Drawing  
Reference  
Numbers

Development satisfies control C23 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:



### WATER AND SEWERAGE NETWORK

## CONDITIONALLY ACCEPTED

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Signed Bibek Ligal

Date 08 Sep 2023

Contact phone: 6248 3111

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(b) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY SHARED MGBs COLLECTED AT KERBSIDE)

Controls for these developments are included in Part 3.2.4 and Part 3.6 of the DCC. Submission requirements are stated in Part 3.6.4. Where appropriate, provide plans showing details to support the application.

This section applies to the following:

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- Development applications for alterations or additions to existing multi-unit residential developments if there is an effect on the provision of waste and recycling services
- Development applications for new mixed-use developments that include multi-unit residential developments.

### STORAGE FACILITIES

#### CONTROL C1 – INDOOR WASTE AND RECYCLING STORAGE SPACE

Generation of waste and recycling for each dwelling type

(Provide tabulated calculations per dwelling type per week, as per **Table A4.2**)

Description

Drawing  
Reference  
Numbers

Development satisfies control C1 of the DCC:

**W A T E R**  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide **WATER AND SEWERAGE NETWORK**

Not applicable

#### CONTROL C6 – EXTERNAL WASTE AND RECYCLING STORAGE FACILITY

Location and dimensions of waste and recycling storage facility or mini-enclosure

(Refer to **Table 3.3** for mandatory submission requirements. Use **Tables A4.5** and **A4.5** to calculate waste and recycling storage requirements for the development. Refer to **A4.5** and the City Services website for green waste storage requirements, if applicable to this development.)

Description

Development satisfies control C6 of the DCC:

Yes  No

Development satisfies Part 7.2.3 or 7.2.4 or both of the DCC

Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:



# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(b) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY SHARED MGBs COLLECTED AT KERBSIDE)

### COLLECTION POINT

#### CONTROL C9 AND C10 – DESIGNATED COLLECTION POINT (KERBSIDE)

Location of *designated collection point (kerbside)*, including dimensions of available kerb frontage and indicative presentation layout of MGBs on kerbside

Description

Drawing  
Reference  
Numbers

Development satisfies control C9 and C10 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:



### COMPLETE IF DEVELOPMENT IS PART OF A MIXED-USE DEVELOPMENT ONLY

#### WATER

#### CONTROL C23 (PART 5.3) – SEPARATION OF RESIDENTIAL AND NON-RESIDENTIAL WASTE

Identify how *residential* and non-residential waste and recycling will be kept separate and methods to minimise the potential for commercial tenant **WATER AND SEWERAGE NETWORK**

Description

Development satisfies control C23 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

Contact phone: 6248 3111

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(C) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY WASTE HOPPERS AND SHARED RECYCLING MGBS, OR WASTE AND RECYCLING HOPPERS COLLECTED WITHIN THE PROPERTY BOUNDARY)

Controls for these developments are included in Part 3.2.4 and Part 3.7 of the DCC. Submission requirements are stated in Part 3.7.4. Where appropriate, provide plans showing details to support the application.

This section applies to the following:

- Development applications for new multi-unit residential developments
- Development applications for alterations or additions to existing multi-unit residential developments if there is an effect on the provision of waste and recycling services
- Development applications for new mixed-use developments that include multi-unit residential developments.

### STORAGE FACILITIES

#### CONTROL C1 – INDOOR WASTE AND RECYCLING SPACE

Generation of waste and recycling for each dwelling type

(Provide tabulated calculations per dwelling type per week, as per **Table A4.2**)

Description

Drawing  
 Reference  
 Numbers

Development satisfies control C1 of the DCC:  **W A T E R**  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

**WATER AND SEWERAGE NETWORK**

#### CONTROL C11 – EXTERNAL WASTE AND RECYCLING STORAGE FACILITIES

Location and dimensions of external waste and recycling storage facilities

(Provide calculations to demonstrate adequacy of space, including dimensions, cross-sections and height of the waste and recycling storage facility. Refer to Part 3.7.4 of the DCC for information on requirements. Use tables A4.4 and A4.5 to calculate waste and recycling storage requirements for the development.)

Description

Drawing  
 Reference  
 Numbers

Development satisfies control C11 of the DCC:  Yes  No

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'Statement of conditional acceptance'.

Development satisfies Part 7.2.3 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

**How will waste be transferred from each dwelling to external storage area?**

Description

Drawing  
Reference  
Numbers

**PATH OF TRAVEL**

**CONTROL C12 – ACCESSIBLE PATH OF TRAVEL**

Accessible path of travel for carrying waste and recyclables and for moving bins between the waste and recycling storage facilities or waste service compartments and (a) the entrance to each dwelling; and (b) the *designated collection point*

(Provide plan of travelling distance, clearance and gradients. Refer to **Table 3.8** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C12 of the DCC.  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'

Contact phone: 0240 3111

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(C) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY WASTE HOPPERS AND SHARED RECYCLING MGBS, OR WASTE AND RECYCLING HOPPERS COLLECTED WITHIN THE PROPERTY BOUNDARY)

### MULTI-UNIT DEVELOPMENTS – WASTE AND RECYCLING CHUTES, COMPACTION EQUIPMENT ETC COMPLETE EITHER CONTROL C13 OR C14 OR C15

#### CONTROL C13 – CONVENIENT ACCESS TO WASTE SERVICES – 3 RESIDENTIAL FLOORS OR LESS

Location and details of any waste service compartments and other waste and recycling equipment that form part of the waste management system

(Provide calculations to demonstrate adequacy of space. Refer to **Table 3.8** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C13 of the DCC:  Yes  No

Development satisfies Part 7.3 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and propose alternatives that will not impact on the ability of the waste transporter to provide the service:



### WATER AND SEWERAGE NETWORK

## CONDITIONALLY ACCEPTED

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.

Signed Bibek Ligal

Date 08 Sep 2023

Contact phone: 6248 3111

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(c) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY WASTE HOPPERS AND SHARED RECYCLING MGBs, OR WASTE AND RECYCLING HOPPERS COLLECTED WITHIN THE PROPERTY BOUNDARY)

### CONVENIENT ACCESS (CONTINUED) – COMPLETE EITHER CONTROL C13 OR C14 OR C15

#### CONTROL C14 – CONVENIENT ACCESS – 4 RESIDENTIAL FLOORS AND ABOVE

Location and details of any waste service compartments and other waste and recycling equipment that form part of the waste management system

(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 3.8** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Location and details of any waste and recycling chutes

(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 3.8** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C14 of the DCC:  **W A T E R**  No

Development satisfies Part 7.3 of the DCC:  Yes  No

Provide details if DCC requirement **WATER AND SEWERAGE NETWORK** will not impact on the ability of the waste transporter to provide the service:

Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.

Signed Bibek Ligal

Date 08 Sep 2023

Contact phone: 6248 3111

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(C) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY WASTE HOPPERS AND SHARED RECYCLING MGBS, OR WASTE AND RECYCLING HOPPERS COLLECTED WITHIN THE PROPERTY BOUNDARY)

### COLLECTION POINT

#### CONTROL C15 – DESIGNATED COLLECTION POINTS

Location of *designated collection points or hopper pads*  
(Refer to **Table 3.8** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C15 of the DCC:  Yes  No

Development satisfies Part 7.2.3 or 7.4 or both:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

**icon**

### VEHICULAR ACCESS

## WATER

#### CONTROL C16 – UNOBSTRUCTED ACCESS TO DESIGNATED COLLECTION POINTS

Path of travel for collection vehicle **WATER AND SEWERAGE NETWORK**  
(Provide details of travelling distance; clearance in all directions; loading heights and widths; and turning and manoeuvring paths; ramp access, clearances, gradients and pavement details including compliance with **AS2890.1-2004**. Refer to **Table 3.8** for mandatory submission requirements.)

**CONDITIONALLY ACCEPTED**

Description

**WATER AND SEWERAGE NETWORK WITH DESIGNATED WATER AND SEWERAGE NETWORK**

Drawing  
Reference  
Numbers

Development satisfies control C16 of the DCC:  Yes  No **Date** 08 Sep 2023

Development satisfies Appendix 7 of the DCC:  Yes  No  
**Contact phone: 6248 3111**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 2 – DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.1(c) – MULTI-UNIT RESIDENTIAL DEVELOPMENT (SERVICED BY WASTE HOPPERS AND SHARED RECYCLING MGBs, OR WASTE AND RECYCLING HOPPERS COLLECTED WITHIN THE PROPERTY BOUNDARY)

### COMPLETE IF DEVELOPMENT IS PART OF A MIXED-USE DEVELOPMENT ONLY

#### CONTROL C23 (PART 5.3) – SEPARATION OF RESIDENTIAL AND NON-RESIDENTIAL WASTE

Identify how residential and non-residential waste and recycling will be kept separate and methods to minimise the potential for commercial tenants to use *residential* waste and *recycling bins*

(Refer to **R4** of **Table 5.2** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C23 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

W A T E R

### WATER AND SEWERAGE NETWORK

## CONDITIONALLY ACCEPTED

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.

Signed Bibek Ligal

Date 08 Sep 2023

Contact phone: 6248 3111

Controls for these developments are included in Part 4 of the DCC. Submission requirements are stated in Part 4.4. Where appropriate, provide details on plans to support your application.

- Development applications for new commercial, public or industrial developments
- Development applications for alterations or additions to existing commercial, public or industrial development if there is an effect on the provision of waste and recycling management
- Development applications for new mixed-use developments involving commercial, public or industrial development.

### WASTE AND RECYCLING GENERATION

#### CONTROL C17 – WASTE AND RECYCLING GENERATION

Waste and recycling generated by each proposed activity within the development, including quantities, bin types and storage requirements

DESCRIPTION	Premises Type	Floor Area (m2)	Generation Rate	Waste (L/week)	Recycling (L/week)	Number of Bins and Sizes
			Waste (L/week)			

In completing this table, refer to **WATER AND SEWERAGE NETWORK** Commercial, Public and Industrial Developments

Development satisfies Appendix 4 if it includes a new component  Yes  No  N/A

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

*The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network*

Contact phone: 6248 3111

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## DESIGN AND OPERATION OF WASTE AND RECYCLING

SECTION 2.2 – COMMERCIAL, PUBLIC AND INDUSTRIAL DEVELOPMENTS

### WASTE AND RECYCLING STORAGE FACILITIES

#### CONTROL C17 AND C18 – EXTERNAL WASTE AND RECYCLING STORAGE FACILITIES

Location of *individual waste and recycling storage facilities* (C18) including any *waste and recycling storage sections* (C17) and refrigerated waste storage for the entire development

(Provide calculations to demonstrate adequacy of space. Refer to **Table 4.2** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C17 and C18 of the DCC:  Yes  No

Development satisfies Appendix 5 of the DCC:  Yes  No

Development satisfies Part 7.2.3 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:



### PATH OF TRAVEL

#### WATER AND SEWERAGE NETWORK

#### CONTROL C19 – ACCESSIBLE PATH OF TRAVEL

Accessible path of travel from the point of entry to the building area to the *waste and recycling storage facilities*

(Provide details of clearances, gradients and mitigation of odour and noise impacts. Refer to **Table 4.2** for mandatory submission requirements)

**CONDITIONALLY ACCEPTED**

The design depicted in this document has been assessed by Icon

Description

ICON WATER'S 'statement of conditional acceptance'.

Drawing  
Reference  
Numbers

Development satisfies control C19 of the DCC:  Yes  No **Contact phone: 6248 3111**

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:

**DESIGNATED COLLECTION POINT**

**CONTROL C20 – DESIGNATED COLLECTION POINT**

Location of *designated collection points or hopper pads or both*  
(Refer to **Table 4.2** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

Path of travel for moving bins from waste and recycling storage facilities to the designated collection point  
(Provide plan of travelling distance, clearance and gradients. Refer to **Table 4.2** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Path of travel for collection vehicles (if collection occurs on site)  
(Provide details of travelling distance, clearance, turning and manoeuvring paths, ramp access and pavement details to demonstrate compliance with DCC Design and Construction Requirements for the DCC)

Description

Drawing  
Reference  
Numbers

Development satisfies control C20 of the DCC.  Yes  No **Contact phone: 6248 3111**

Development satisfies Appendix 7 of the DCC.  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

**CONDITIONALLY ACCEPTED**  
The design depicted in this document has been assessed by Icon

Icon Water's Statement of Conditional Acceptance.

**WASTE CHUTES, COMPACTION OR OTHER EQUIPMENT**

**CONTROL C18 – WASTE CHUTES, COMPACTION OR OTHER EQUIPMENT**

**Location and details of any waste chutes**

(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 4.2** for mandatory submission requirements)

Description

Drawing

Reference

Numbers

**Location and details of any waste and recycling service lifts**

(Provide calculations to demonstrate adequacy of equipment)

Description

Drawing

Reference

Numbers

**Location and details of any waste compaction equipment**

(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 4.2**, in particular **R2.7** and **R2.8**, for mandatory submission requirements)

Description

Drawing

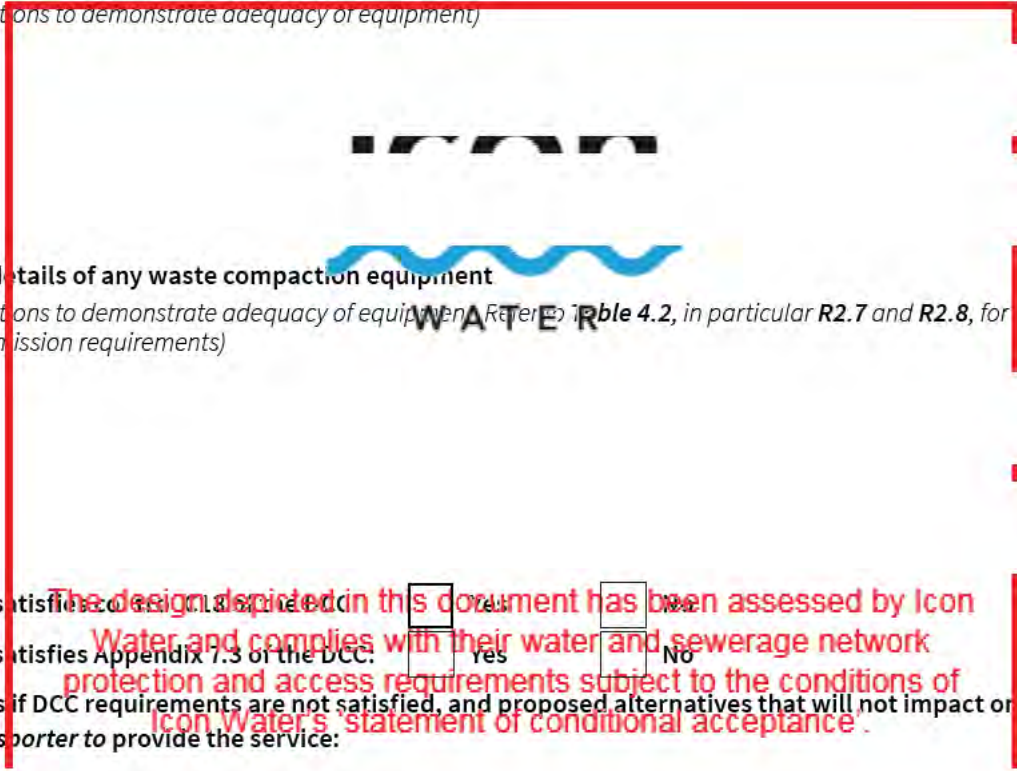
Reference

Numbers

Development satisfies the design specified in this document  Yes  No

Development satisfies Appendix 7.3 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service: **Icon Water's statement of conditional acceptance.**



# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 3 – DEMOLITION, EXCAVATION AND CONSTRUCTION

Requirements for these developments are included in Part 6 of the DCC. Submission requirements are stated in Part 6.6 of the DCC. Where appropriate, provide details on plans to support your application.

**Note:** A WRMP is **not** required unless the proposed demolition or excavation activities generate more than 20m<sup>3</sup> of waste for the whole development.

This section applies to the following:

- Demolition – All Development applications involving demolition where the quantity of demolition material will be greater than 20m<sup>3</sup> for the whole development
- Excavation – All Development applications involving excavation where the quantity of excavated material will be greater than 20m<sup>3</sup> for the whole development
- Development applications for new mixed-use developments that include multi-unit residential developments.

### WASTE TYPES AND QUANTITIES

#### CONTROL C24 – DEMOLITION, EXCAVATION AND CONSTRUCTION WASTE TYPES AND QUANTITIES

Specify demolition, excavation and construction waste materials by type and volume or tonnage

This information can be shown in **Table 3.1** (Demolition Waste or Table 3.2 (Construction Waste) or both which can be found over leaf. Refer to **Table 6.2** for mandatory submission requirements.

Description To be determined by contactor at later stage

### ON-SITE MANAGEMENT OF DEMOLITION, EXCAVATION AND CONSTRUCTION WASTE

#### CONTROL C25 – ON-SITE MANAGEMENT OF WASTE

Nominate on-site sorting and storage of **WATER AND SEWERAGE NETWORK** construction waste materials.

Show these details on a draft site plan

(Refer to **Table 6.2** for mandatory submission requirements)

Description To be determined by contactor at later stage

Drawing Reference Numbers

Water and Sewerage Network

Describe the work method, practices and specific procedures to be adopted to maximise the reuse and recycling of waste materials

(Refer to **Table 6.2**, in particular **R2.2**, for mandatory submission requirements)

Description To be determined by contactor at later stage

Signed Bibek Ligal Date 08 Sep 2023

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 3 – DEMOLITION, EXCAVATION AND CONSTRUCTION

Identify access for demolition and construction waste collection vehicles

(Refer to **Table 6.2** for mandatory submission requirements)

Description To be determined by contactor at later stage

Drawing  
Reference  
Numbers

Details of waste or recycling storage containers, or both, to be stored outside leased boundaries

(Separate approval is required from Public Land Use, City Services (via Access Canberra Phone 132 881))

Description To be determined by contactor at later stage

Drawing  
Reference  
Numbers

Development satisfies control C25 of the DCC.  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:



## CONDITIONALLY ACCEPTED

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.

Signed Bibek Ligal

Date 08 Sep 2023

Contact phone: 6248 3111

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 3 – DEMOLITION, EXCAVATION AND CONSTRUCTION

### RESUSE AND RECYCLING OF DEMOLITION, EXCAVATION AND CONSTRUCTION WASTE

#### CONTROL C18 – WASTE CHUTES, COMPACTION OR OTHER EQUIPMENT

Details of reuse and recycling potential (on-site or off-site, or both) for demolition, excavation and construction waste

**Description**

This information can be shown in **Table 3.1** (Demolition Waste) or **Table 3.2**, or both (Construction Waste).

**Tables 3.1 and 3.2** are over leaf.

To be determined by contactor at later stage

Drawing  
Reference  
Numbers

Name and location of approved licensed sites for recycling, or reprocessing, or landfill, or all of these, for the disposal of demolition, excavation and construction waste materials

**Description**

This information can be shown on **Table 3.1** (Demolition waste) or **Table 3.2**, or both (Construction Waste).

**Tables 3.1 and 3.2** are over leaf.

To be determined by contactor at later stage



Development satisfies Control C25 of the DCC.  Yes  No

**CONDITIONALLY ACCEPTED**

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of Icon Water's 'statement of conditional acceptance'.

**Signed** Bibek Ligal

**Date** 08 Sep 2023

*Contact phone: 6248 3111*

# WASTE & RECYCLING MANAGEMENT PLAN FORM FOR APPLICANTS

## SECTION 3 – DEMOLITION, EXCAVATION AND CONSTRUCTION

TABLE 3.1 – DEMOLITION WASTE

Type of Material Generated	ON-SITE				OFF-SITE				DISPOSAL AT LANDFILL							
	Estimated		Actual (to be provided at WAE)		Proposed Reuse and Recycling On-site	Estimated		Actual (to be provided at WAE)		Name of Receiving Recycling Outlets or Reuse Sites or Both	Estimated		Actual (to be provided at WAE)			
	Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		
Excavation Material																
Bricks																
Concrete																
Timber (specify)																
Plasterboard/Gyprock																
Metals (specify)																
Cardboard																
Plastics																
Mixed Waste																
Other (specify)																
<b>Total</b>										<b>T E R</b>						
<b>Percentage of Total</b>																

TABLE 3.2 – CONSTRUCTION WASTE

Type of Material Generated	ON-SITE				OFF-SITE				DISPOSAL AT LANDFILL							
	Estimated		Actual (to be provided at WAE)		Proposed Reuse and Recycling On-site	Estimated		Actual (to be provided at WAE)		Name of Receiving Recycling Outlets or Reuse Sites or Both	Estimated		Actual (to be provided at WAE)			
	Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		
Excavation Material																
Bricks																
Concrete																
Timber (specify)																
Plasterboard/Gyprock																
Metals (specify)																
Cardboard																
Plastics																
Mixed Waste																
Other (specify)																
<b>Total</b>																
<b>Percentage of Total</b>																

**WATER AND SEWERAGE NETWORK**

**CONDITIONALLY ACCEPTED**

The design depicted in this document has been assessed by Icon Water and complies with their water and sewerage network protection and access requirements subject to the conditions of

## Sewer connection

Icon Water's requirements for demolition work which could potentially damage Icon Water's assets or result in discharge of stormwater, or other unapproved wastes (other than domestic sewage) to the Icon Water sewerage network.

The property owner (or their design or construction agent) is responsible for the following:

1. Where an Icon Water sewer main traverses a property or an Icon Water sewer main is outside the property boundary (and proposed demolition works may impact on the sewer main's pipe-protection-envelope), accurate sewer network survey plans must be obtained from Icon Water or from a registered surveyor. Sewer asset locations need to be shown on relevant demolition plans including manhole, boundary riser and tie location with off-set dimensions from site boundaries.
2. Recording the condition of manhole covers. Icon Water can be contacted on 6248 3111 to repair damaged components. A failure to identify any faults before demolition commences may result in the property owner (or their contractors) being held responsible to pay for the repair caused by a failure to adequately protect Icon Water's assets during the demolition or building construction works.
3. Engaging a licensed drainer to disconnect the internal sanitary drains before any demolition works commence. The discharge of debris, groundwater, stormwater or other unapproved liquid wastes (other than domestic sewage into the sewerage networks) is an offence under the *Utilities Act 2000*.
4. Identifying, flagging, barricading and protecting the sanitary drainage 'riser' (if installed) and manholes from demolition operations.
5. Where further construction works is planned, sanitary drains are to be temporarily sealed by capping no closer than three metres from the Icon Water tie. Excavation and capping is to be undertaken by licensed drainers at the customer's expense. The capping point is to be staked behind the cap and identified at ground level. Please note the subsequent building contractor will be required to make a new sanitary drainage connection at the designated tie (not at the temporary cap). This may require the removal of old jump-ups in the customer's sanitary drains. When the tie is exposed it is recommended to ask Icon Water to inspect the branch-line to ensure it is in good condition.
6. Where further construction work is not proposed to commence within 12 months from the date demolition commences, permanent disconnection may be required. Please consult Icon Water at this time for a definitive answer.

## Water supply

Icon Water's requirements for demolition works which could potentially damage Icon Water assets or result in contamination of the potable water supply.

The property owner (or their design or construction agent) is responsible for the following:

1. Where an Icon Water main traverses a property (and where an Icon Water main is outside the property boundary but proposed demolition works may impact on the water main's pipe-protection-envelope), accurate water network survey plans must be obtained from Icon Water or from a registered surveyor. Water asset locations need to be shown (including mains, valves and hydrants) on relevant demolition plans (with off-set dimensions to site boundaries).
2. Identifying the location of the Icon Water isolation valve and water meter on the site plan (with off-set dimensions from site boundaries).
3. Recording the condition of the water connection pipe, isolation valve, water meter, verge hydrants and verge network valves. Please contact Icon Water on 6248 3111 to repair damaged components. Failure to identify any faults before demolition works commence may result in the property owner (or their contractors) being held responsible to pay for the repair caused by a failure to adequately protect those assets during the demolition or building construction.
4. Engaging a licensed plumber to disconnect the internal plumbing service at the water meter before any demolition commences.
5. Where further construction works are planned, install a temporary hose cock adjacent to the meter. Retain the meter, meter box and hose cock for the duration of any building works. Identify, flag, barricade and protect the meter assembly from demolition operations and accidental damage. To avoid accidental wastage, turn off the isolation valve until required.
6. Where further construction works is not proposed to commence within 12 months from the date demolition commences, permanent disconnection and removal of the meter may be required. Please consult Icon Water at this time for a definitive answer.
7. Flagging and protecting network isolation valves and hydrants (on the verge) from demolition operations and accidental damage.
8. Advising Icon Water when demolition is complete. Icon Water may take the opportunity to install a new isolation valve and meter assembly to the current Icon Water standard.

**From:** [ConservatorFloraFauna](#)  
**To:** [AC\\_EPD Customer Services](#)  
**Cc:** [Dojic, Rosie](#)  
**Subject:** FW: COMM-TREE PROTECTION-202342029-25/43 O'CONNOR-01  
**Date:** Wednesday, 20 September 2023 9:59:09 AM  
**Attachments:** [image001.png](#)  
[plans.obr](#)  
[supporting docs.obr](#)

**OFFICIAL**

**Karen Taylor**

**Conservator Support Officer**

**Conservator Support | Environment, Planning and Sustainable Development Directorate**

Phone: +61 2 620 54668 | Email: [Karen.Taylor@act.gov.au](mailto:Karen.Taylor@act.gov.au)

Environment, Planning and Sustainable Development Directorate | ACT Government

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[www.planning.act.gov.au](http://www.planning.act.gov.au)

**I acknowledge the Ngunnawal people as traditional custodians of the ACT and recognise any other people or families with connection to the lands of the ACT and region. I acknowledge and respect their continuing culture and the contribution they make to the life of this city and this region.**

This email, and any attachments, may contain confidential information. If you are not the intended recipient please notify the sender and delete all copies of this transmission along with any attachments immediately. You should not copy or use it for any purpose, nor disclose its contents to any other person.

*Please consider the environment before printing this email*

**From:** TCCS\_CP TPUCentral <[TCCS.TPUCentral@act.gov.au](mailto:TCCS.TPUCentral@act.gov.au)>

**Sent:** Wednesday, 20 September 2023 9:55 AM

**To:** ConservatorFloraFauna <[ConservatorFloraFauna@act.gov.au](mailto:ConservatorFloraFauna@act.gov.au)>

**Subject:** COMM-TREE PROTECTION-202342029-25/43 O'CONNOR-01

**OFFICIAL**

DA No: 202342029

**Description:** PROPOSAL FOR DEMOLITION - Demolition of existing dwelling, boundary fence, driveway, trees and landscaping.

BLOCK:	SECTION:	DIVISION:
25	43	O'Connor

The DA has been assessed and the following Conservators Advice in accordance with Section 82 *Tree Protection Act 2005* is provided:

No regulated trees on the site	<b>X</b>
Supported with conditions	
Advice for the applicant	
Not Supported	
Further Information/amendments required	

Conditions/Comments/Advice

Development application 202342029-25/43 is for Demolition only. Construction phase shall be lodged separately in a later Development application.

There are no Regulated trees on the block. Species are not covered by legislation (NCBL) as are either undersized/pest species.

**I provide this advice as a delegate of the Conservator of Flora and Fauna.**

**Brent Schwartzkoff | Tree Protection Officer (P01901) | Urban Treescapes**

Brent Schwartzkoff | Tree Protection Officer | Ph 62059765 | Mobile [REDACTED]

Email: [brent.schwartzkoff@act.gov.au](mailto:brent.schwartzkoff@act.gov.au)

Urban Treescapes, City Presentation | Transport Canberra & City Services Directorate | ACT Government

Level 4, Dickson Office Building, 480 Northbourne Avenue, Dickson ACT 2602 | GPO Box 158 Canberra 2601 | [www.act.gov.au](http://www.act.gov.au)

---

**From:** Dojic, Rosie <[Rosie.Dojic@act.gov.au](mailto:Rosie.Dojic@act.gov.au)> **On Behalf Of** TCCS\_CP TreeProtectionACTPLARef

**Sent:** Friday, 1 September 2023 12:52 PM

**To:** TCCS\_CP TPUCentral <[TCCS.TPUCentral@act.gov.au](mailto:TCCS.TPUCentral@act.gov.au)>

**Subject:** FW: REFERRAL-EACT-202342029-25/43 O'CONNOR-01

OFFICIAL

---

**From:** Coghill, Stacey <[Stacey.Coghill@act.gov.au](mailto:Stacey.Coghill@act.gov.au)> **On Behalf Of** ConservatorFloraFauna

**Sent:** Friday, 1 September 2023 9:49 AM

**To:** TCCS\_CP TreeProtectionACTPLARef <[TCCS.TreeProtectionACTPLARef@act.gov.au](mailto:TCCS.TreeProtectionACTPLARef@act.gov.au)>

**Subject:** FW: REFERRAL-EACT-202342029-25/43 O'CONNOR-01

OFFICIAL

Morning Team – DA referral attached includes tree removals.

Regards

Stacey Coghill

Conservation Officer

Conservator Support | Environment, Heritage & Water

Environment, Planning and Sustainable Development Directorate, ACT Government

Phone 02 6205 9274 [Stacey.Coghill@act.gov.au](mailto:Stacey.Coghill@act.gov.au)

Level 2, 480 Northbourne Ave, Dickson ACT 2604

[www.environment.act.gov.au](http://www.environment.act.gov.au) |

---

**From:** AC, EPD Customer Services <[ACEPDCustomerServices@act.gov.au](mailto:ACEPDCustomerServices@act.gov.au)>

**Sent:** Thursday, 31 August 2023 4:21 PM

**To:** ConservatorFloraFauna <[ConservatorFloraFauna@act.gov.au](mailto:ConservatorFloraFauna@act.gov.au)>

**Subject:** REFERRAL-EACT-202342029-25/43 O'CONNOR-01

OFFICIAL

**DEVELOPMENT APPLICATION NO:** 202342029

**BLOCK:** 25 **SECTION:** 43 **DIVISION:** O'CONNOR

Description - PROPOSAL FOR DEMOLITION - Demolition of existing dwelling, boundary fence, driveway, trees and landscaping.

Pursuant to Section 148(1) of the *Planning and Development Act 2007* the ACT Planning and Land Authority requests that you consider the abovementioned development application and provide any written advice no later than **15 working days** after the date of this notice

**(21/09/2023).**

In accordance with Section 150 of the *Planning and Development Act 2007* If advice is not received within the prescribed time it will be taken that you have supported the application.

Please forward any written advice via email to Customer Services

[EPDcustomerservices@act.gov.au](mailto:EPDcustomerservices@act.gov.au)

Please use the following format in the subject line of the email when providing advice:

COMM-Agency Name-20140XXXX-Block XX Section XX SuburbXXXX-01

**Example: COMM-TAMS-201401234-10/10 Dickson-01**

Best Regards,

Hannah Bui | DA Notification | Phone: (02) 620 71923

[ACEPDCustomerServices@act.gov.au](mailto:ACEPDCustomerServices@act.gov.au)

[www.act.gov.au/accesscbr](http://www.act.gov.au/accesscbr)

Access Canberra | ACT Government

8 Darling Street, Mitchell | GPO Box 158 Canberra ACT 2601



*I acknowledge and pay my respects to Elders and Traditional Custodians of this land, the Ngunnawal people - past and present, and acknowledge their continuing culture and connection to Country and community.*

**From:** [EPSD\\_DACoordinator](#)  
**To:** [Morgan, Cody](#)  
**Cc:** [AC, EPD Customer Services](#)  
**Subject:** RE: REFERRAL-WORKSAFE-202342029-25/43 O'CONNOR-01  
**Date:** Wednesday, 13 September 2023 2:09:19 PM  
**Attachments:** [image002.png](#)  
[image003.png](#)  
[image004.png](#)

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OFFICIAL

Good afternoon Cody,

I hope you are well.

Thank you for your below email and apologies that the referrals did not make it to the correct email address. I will note this issue for future.

Thank you for bringing to the Planning and Land Authority's attention that a referral to your agency is not required given that Section 150 of the Act does not apply.

I can confirm that the records held by the DA Notification team in relation to this development application will not include any reference to the WHS Commissioner supporting the application.

If the team requires any clarification or has any concerns they will reach out to you directly.

Many Thanks

Anika

**DA Coordinator**

Environment, Planning and Sustainable Development Directorate | 02 6207 8549 | ACT Government  
480 Northbourne Ave, Dickson | GPO Box 158 Canberra ACT 2601 | [www.planning.act.gov.au](http://www.planning.act.gov.au)

---

**From:** Morgan, Cody <[Cody.Morgan@worksafe.act.gov.au](mailto:Cody.Morgan@worksafe.act.gov.au)> **On Behalf Of** DangerousSubstances

**Sent:** Wednesday, 13 September 2023 11:12 AM

**To:** AC, EPD Customer Services <[ACEPDCustomerServices@act.gov.au](mailto:ACEPDCustomerServices@act.gov.au)>

**Cc:** Barrett, Brad <[Brad.Barrett@worksafe.act.gov.au](mailto:Brad.Barrett@worksafe.act.gov.au)>; Shepherd, Jackii <[Jackii.Shepherd@worksafe.act.gov.au](mailto:Jackii.Shepherd@worksafe.act.gov.au)>

**Subject:** RE: REFERRAL-WORKSAFE-202342029-25/43 O'CONNOR-01

OFFICIAL

Dear Hannah

Thank you for your email of 31 August 2023 (below) which has been referred to the Dangerous Goods and Hazardous Chemicals unit of WorkSafe ACT for response, given that we are the unit in that agency which handles requests for comments from the Work Health and Safety Commissioner (WHS Commissioner) on applications for environmental significance opinions relating to proposed developments under the Planning and Development Act 2007 (the Act).

I apologise for the delay in providing this response as it appears that your email was not sent directly to our unit or copied to us via our dedicated email address

[DangerousSubstances@worksafe.act.gov.au](mailto:DangerousSubstances@worksafe.act.gov.au).

However, I must advise that the WHS Commissioner will not be giving advice on this matter as Section 148(1) of the Act only applies to "an entity prescribed by regulation" being those entities listed in Section 26 of the Planning and Development Regulation 2008. As this does not include the WHS Commissioner, the WHS Commissioner is not subject to a requirement to give advice in relation to development applications under Section 149 of the Act and accordingly a failure to provide advice cannot be taken as advice that the WHS Commissioner supports the application.

It would be greatly appreciated if you could confirm by reply email that the records held by the DA Notification team in relation to this development application will not include any reference to the WHS Commissioner supporting the application, given that Section 150 of the Act does not apply to our agency.

If you have any questions in relation to this matter, please do not hesitate to contact me directly on (02) 6205 2406 or by email at [DangerousSubstances@worksafe.act.gov.au](mailto:DangerousSubstances@worksafe.act.gov.au).

Regards

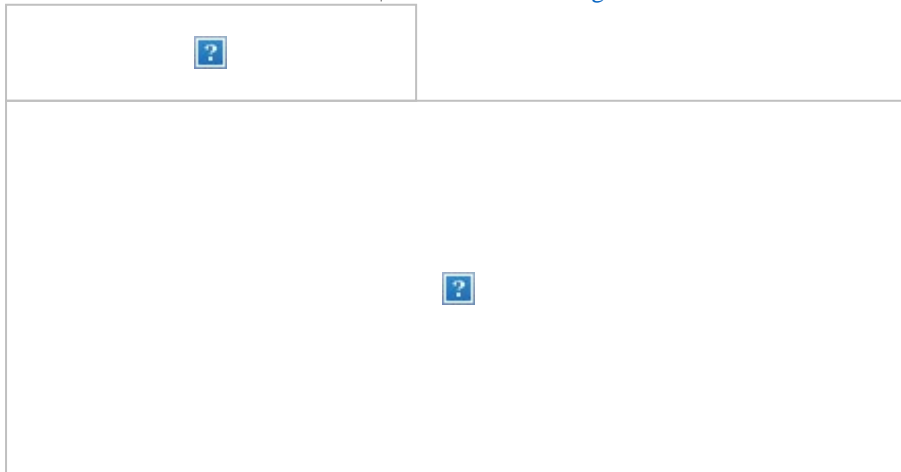
**Cody Morgan** (she/her) | **Dangerous Goods Licensing Officer**

**Dangerous Goods and Hazardous Chemicals Unit**

**P:** 02 6205 2406 | **E:** [Cody.Morgan@worksafe.act.gov.au](mailto:Cody.Morgan@worksafe.act.gov.au)

**Office of the Work Health and Safety Commissioner**

GPO Box 158 Canberra ACT 2601 | [www.worksafe.act.gov.au](http://www.worksafe.act.gov.au)



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**From:** AC, EPD Customer Services <[ACEPDCustomerServices@act.gov.au](mailto:ACEPDCustomerServices@act.gov.au)>

**Sent:** Thursday, 31 August 2023 4:21 PM

**To:** WorkSafe <[WorkSafe@worksafe.act.gov.au](mailto:WorkSafe@worksafe.act.gov.au)>

**Subject:** REFERRAL-WORKSAFE-202342029-25/43 O'CONNOR-01

**OFFICIAL**

**DEVELOPMENT APPLICATION NO:** 202342029

**BLOCK: 25 SECTION: 43 DIVISION:** O'CONNOR

Description - PROPOSAL FOR DEMOLITION - Demolition of existing dwelling, boundary fence, driveway, trees and landscaping.

Pursuant to Section 148(1) of the *Planning and Development Act 2007* the ACT Planning and Land Authority requests that you consider the abovementioned development application and provide any written advice no later than **15 working days** after the date of this notice

**(21/09/2023).**

In accordance with Section 150 of the *Planning and Development Act 2007* If advice is not received within the prescribed time it will be taken that you have supported the application.

Please forward any written advice via email to Customer Services

[EPDcustomerservices@act.gov.au](mailto:EPDcustomerservices@act.gov.au)

Please use the following format in the subject line of the email when providing advice:

COMM-Agency Name-20140XXXX-Block XX Section XX SuburbXXXX-01

**Example: COMM-TAMS-201401234-10/10 Dickson-01**

Best Regards,

Hannah Bui | DA Notification | Phone: (02) 620 71923

[ACEPDCustomerServices@act.gov.au](mailto:ACEPDCustomerServices@act.gov.au)

[www.act.gov.au/accesscbr](http://www.act.gov.au/accesscbr)

Access Canberra | ACT Government

8 Darling Street, Mitchell | GPO Box 158 Canberra ACT 2601



*I acknowledge and pay my respects to Elders and Traditional Custodians of this land, the Ngunnawal people - past and present, and acknowledge their continuing culture and connection to Country and community.*

**From:** [EPSD\\_DACoordinator](#)  
**To:** [AC\\_EPD Customer Services](#)  
**Subject:** RE: REFERRAL-WORKSAFE-202342029-25/43 O'CONNOR-01  
**Date:** Wednesday, 13 September 2023 1:33:46 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[image004.png](#)

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OFFICIAL

Hi AC Team,

Thank you for the below.

I will respond to the below email shortly. If the email can please be saved under correspondence that would be greatly appreciated.

Many Thanks

Anika

**DA Coordinator**

Environment, Planning and Sustainable Development Directorate | 02 6207 8549 | ACT Government  
480 Northbourne Ave, Dickson | GPO Box 158 Canberra ACT 2601 | [www.planning.act.gov.au](http://www.planning.act.gov.au)

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**From:** AC, EPD Customer Services <[ACEPDCustomerServices@act.gov.au](mailto:ACEPDCustomerServices@act.gov.au)>

**Sent:** Wednesday, 13 September 2023 11:41 AM

**To:** EPSD DACoordinator <[DAcoordinator@act.gov.au](mailto:DAcoordinator@act.gov.au)>

**Subject:** FW: REFERRAL-WORKSAFE-202342029-25/43 O'CONNOR-01

Hello Anika,

I hope you are doing well.

Please see email below from WorkSafe in regards to the referral request sent for DA202342029 - 25/43 O'CONNOR. If you could respond to their request that would be great.

Additionally, please advise if we should save this email in the Correspondence folder instead of the Entity Advice folder.

Thank you so much.

Kind Regards,

**Jenny Lee | DA Notification | Environment, Land and Planning shopfront**

Phone: 02 6207 1923 | Email: [acedpcustomerservices@act.gov.au](mailto:acedpcustomerservices@act.gov.au)

**Access Canberra | Chief Minister Treasury and Economic Development Directorate | ACT Government**

8 Darling Street, Mitchell 2911 | GPO BOX 158, Canberra City ACT 2601 | [www.act.gov.au/accessCBR](http://www.act.gov.au/accessCBR)



**From:** Morgan, Cody <[Cody.Morgan@worksafe.act.gov.au](mailto:Cody.Morgan@worksafe.act.gov.au)> **On Behalf Of** DangerousSubstances

**Sent:** Wednesday, 13 September 2023 11:12 AM

**To:** AC, EPD Customer Services <[ACEPDCustomerServices@act.gov.au](mailto:ACEPDCustomerServices@act.gov.au)>

**Cc:** Barrett, Brad <[Brad.Barrett@worksafe.act.gov.au](mailto:Brad.Barrett@worksafe.act.gov.au)>; Shepherd, Jackii <[Jackii.Shepherd@worksafe.act.gov.au](mailto:Jackii.Shepherd@worksafe.act.gov.au)>

**Subject:** RE: REFERRAL-WORKSAFE-202342029-25/43 O'CONNOR-01

OFFICIAL

Dear Hannah

Thank you for your email of 31 August 2023 (below) which has been referred to the Dangerous Goods and Hazardous Chemicals unit of WorkSafe ACT for response, given that we are the unit in that agency which handles requests for comments from the Work

Health and Safety Commissioner (WHS Commissioner) on applications for environmental significance opinions relating to proposed developments under the Planning and Development Act 2007 (the Act).

I apologise for the delay in providing this response as it appears that your email was not sent directly to our unit or copied to us via our dedicated email address

[DangerousSubstances@worksafe.act.gov.au](mailto:DangerousSubstances@worksafe.act.gov.au).

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If you have any questions in relation to this matter, please do not hesitate to contact me directly on (02) 6205 2406 or by email at [DangerousSubstances@worksafe.act.gov.au](mailto:DangerousSubstances@worksafe.act.gov.au).

Regards

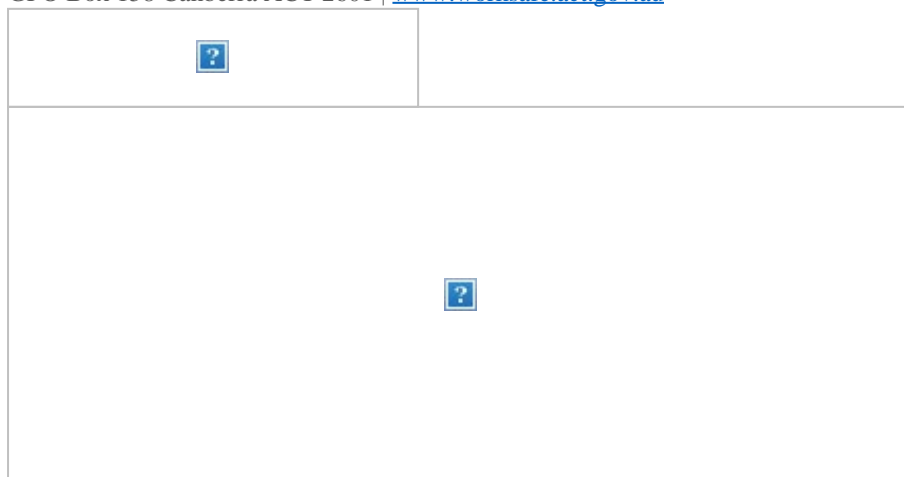
**Cody Morgan** (she/her) | **Dangerous Goods Licensing Officer**

**Dangerous Goods and Hazardous Chemicals Unit**

**P:** 02 6205 2406 | **E:** [Cody.Morgan@worksafe.act.gov.au](mailto:Cody.Morgan@worksafe.act.gov.au)

**Office of the Work Health and Safety Commissioner**

GPO Box 158 Canberra ACT 2601 | [www.worksafe.act.gov.au](http://www.worksafe.act.gov.au)



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*You should not copy or use it for any purpose, nor disclose its contents to any other person.*

---

**From:** AC, EPD Customer Services <[ACEPDCustomerServices@act.gov.au](mailto:ACEPDCustomerServices@act.gov.au)>

**Sent:** Thursday, 31 August 2023 4:21 PM

**To:** WorkSafe <[WorkSafe@worksafe.act.gov.au](mailto:WorkSafe@worksafe.act.gov.au)>

**Subject:** REFERRAL-WORKSAFE-202342029-25/43 O'CONNOR-01

**OFFICIAL**

**DEVELOPMENT APPLICATION NO:** 202342029

**BLOCK: 25 SECTION: 43 DIVISION: O'CONNOR**

Description - PROPOSAL FOR DEMOLITION - Demolition of existing dwelling, boundary fence, driveway, trees and landscaping.

Pursuant to Section 148(1) of the *Planning and Development Act 2007* the ACT Planning and Land Authority requests that you consider the abovementioned development application and provide any written advice no later than **15 working days** after the date of this notice **(21/09/2023)**.

In accordance with Section 150 of the *Planning and Development Act 2007* If advice is not received within the prescribed time it will be taken that you have supported the application. Please forward any written advice via email to Customer Services

[EPDcustomerservices@act.gov.au](mailto:EPDcustomerservices@act.gov.au)

Please use the following format in the subject line of the email when providing advice:

COMM-Agency Name-20140XXXX-Block XX Section XX SuburbXXXXX-01

**Example: COMM-TAMS-201401234-10/10 Dickson-01**

Best Regards,

Hannah Bui | DA Notification | Phone: (02) 620 71923

[ACEPDCustomerServices@act.gov.au](mailto:ACEPDCustomerServices@act.gov.au)

[www.act.gov.au/accesscbr](http://www.act.gov.au/accesscbr)

Access Canberra | ACT Government

8 Darling Street, Mitchell | GPO Box 158 Canberra ACT 2601



*I acknowledge and pay my respects to Elders and Traditional Custodians of this land, the Ngunnawal people - past and present, and acknowledge their continuing culture and connection to Country and community.*

**From:** [AC, EPD Customer Services](#)  
**To:** ["devapp@evoenergy.com.au"](mailto:devapp@evoenergy.com.au)  
**Subject:** REFERRAL-ACTEWAGL UTILITIES-202342029-25/43 O'CONNOR-01  
**Date:** Thursday, 31 August 2023 4:17:00 PM  
**Attachments:** [image001.png](#)  
[%PLAN-202342029-INTENT-02.pdf](#)  
[DEMO-202342029-02.pdf](#)  
[SEDIMENT-202342029-02.pdf](#)  
[SEDIMENT-202342029-NOTES-01.pdf](#)  
[SEDIMENT-202342029-NOTES-02.pdf](#)  
[SURVEYCERT-202342029-02.pdf](#)  
[TREE-202342029-03.pdf](#)  
[TREE-202342029-NOTES-01.pdf](#)  
[TREESURVEY-202342029-02.pdf](#)  
[VERGE-202342029-02.pdf](#)  
[VERGE-202342029-NOTES-03.pdf](#)  
[VERGE-202342029-NOTES-04.pdf](#)  
[%TITLE-202342029-01.pdf](#)  
[APP-202342029-02.pdf](#)  
[AUTHORISATION-202342029-02.pdf](#)  
[HAZARDOUSMAT-202342029-03.pdf](#)  
[INDEX-202342029-01.pdf](#)  
[SCRITERIA-202342029-02.pdf](#)  
[SUPP-202342029-GENERAL NOTES-02.pdf](#)  
[WASTEREPORT-202342029-02.pdf](#)

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OFFICIAL

**DEVELOPMENT APPLICATION NO:** 202342029

**BLOCK:** 25 **SECTION:** 43 **DIVISION:** O'CONNOR

Description - PROPOSAL FOR DEMOLITION - Demolition of existing dwelling, boundary fence, driveway, trees and landscaping.

Pursuant to Section 148(1) of the *Planning and Development Act 2007* the ACT Planning and Land Authority requests that you consider the abovementioned development application and provide any written advice no later than **15 working days** after the date of this notice **(21/09/2023)**.

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[EPDcustomerservices@act.gov.au](mailto:EPDcustomerservices@act.gov.au)

Please use the following format in the subject line of the email when providing advice:

COMM-Agency Name-20140XXXX-Block XX Section XX SuburbXXXX-01

**Example: COMM-TAMS-201401234-10/10 Dickson-01**

Best Regards,

Hannah Bui | DA Notification | Phone: (02) 620 71923

[ACEPDCustomerServices@act.gov.au](mailto:ACEPDCustomerServices@act.gov.au)

[www.act.gov.au/accesscbr](http://www.act.gov.au/accesscbr)

Access Canberra | ACT Government

8 Darling Street, Mitchell | GPO Box 158 Canberra ACT 2601



*I acknowledge and pay my respects to Elders and Traditional Custodians of this land, the Ngunnawal people - past and present, and acknowledge their continuing culture and connection to Country and community.*

Planning and Development Act 2007

# Development Application

Application Number: **202342029**

## Before Starting

**PLEASE NOTE:** This wizard will time out if left inactive for a period of more than two hours, after which time you will lose your application and be required to complete a new wizard. It is recommended you **save** this session if it is to be left inactive for an extended period of time.

Please ensure that your screen is set to the highest resolution (e.g. 1280 by 1024 pixels) to ensure all content in the wizard is visible.

I confirm I have provided all documentation in accordance with the [minimum documentation requirements for lodgement of a development application](#)

Confirm

Please note that fees apply for incomplete submissions.

## Type of Application

The type of application you are applying for is a **New Application**

Are you applying for a:

Development Application

Has a pre-application meeting been held in relation to this proposal?

No

## Lease/Site Details

### Site Number: 1

If your rural property is identified by a Block/Section/Suburb, please select the "Urban" radio button.

Urban

Suburb

O'CONNOR

Section

43

Block Number

25

Unit Number

Street Address

102 MACARTHUR PLACE, O'CONNOR

## Applicant Details

What type of applicant are you:

Business

ACN or ABN

Company Name

Position held / Title

Salutation

First Name

Surname

Postal Address 1

Postal Address 2

Postal Address 3

Suburb

State/Territory

Postcode

Country

Phone Number

Fax Number

Mobile Number

Email

## Lessee (Property Owners) Details

### Lessee Number: 1

Is the Lessee a:

 Organisation or Government entity

Australian Business Number (ABN)

Company Name

Position held / Title

Salutation

First Name

Surname

Postal Address 1

Postal Address 2

Postal Address 3

Suburb

State/Territory

Postcode

Country

Phone Number

Fax Number

Mobile Number

Email

## Notice of Decision and Plans

Please specify the delivery method for the return of plans. Unless otherwise specified, your Notice of Decision and/or plans will be returned via email.

Email

Are you applying for an *Estate Development Plan* OR *Home Business*?

No

## Zone

Please specify which zone applies to this application (please select one zone only). Please click [here](#) to access ACTMAPi and locate the zone.

RZ4 Medium density residential zone

If more than one zone is applicable to your application, please specify them below:

## Development/Precinct Code

Please specify which development code applies to this application.

Residential Zones - Single Dwelling Housing Development Code

Please specify all relevant precinct code/s applied to your proposal

## Loose-Fill Asbestos

Is this a loose-fill asbestos affected ("Mr Fluffy") block?

No

## Fully Describe Your Proposal

**Please provide a full description of your proposal (Note: This must accurately describe all aspects of your proposal and include any lease changes being applied for.)**

Demolition of existing residential duplex and associated driveways, fences and landscaping, in preparation for redevelopment with supportive housing units

## Proposed Use of the Land

Describe the use of the development. **Example:** Residential purposes for a single dwelling (Note: Please refer to the Territory Plan definitions for land use definitions. Please also consider what is permitted under any Crown Lease for the site.)

Demolition

Is the proposed use consistent with the current Crown lease?

Yes

## Assessment Track

Please indicate which assessment track applies to this Development Application: (If you are not sure which assessment track applies, please contact Environment, Planning and Sustainable Development Directorate on (02)62071923)

Merit

For more information about which track your development application will be assessed in, please click [here](#). *Please note, the Environment, Planning and Sustainable Development Directorate may refuse to accept a development application made in an incorrect assessment track. If the Environment, Planning and Sustainable Development Directorate assesses an application made in the incorrect assessment track it must refuse the application (S.114 (3)).*

## Type of Development

Please indicate which type of development applies to this development application.

Single Dwelling

## Single Dwelling

Please select a Single Dwelling sub type:

Demolition/Rebuild

## Gross Floor Area (GFA) and Cost of Works

*Please ensure that all values contain a decimal point followed by two digits*

### Gross Floor Area Calculation

A - Gross Floor Area (existing) (m<sup>2</sup>)

B - Gross Floor Area to be demolished (m<sup>2</sup>)

C - Gross Floor Area to be added (m<sup>2</sup>)

D - Total Gross Floor Area of development (A-B+C)(m<sup>2</sup>)

E - COST OF WORKS (\$)

**Other Area Calculation (not already included in the areas provided above)**F - Area of other BCA class 10 structures (e.g. metal garage, metal carport, pergola, deck, verandah, etc) (m<sup>2</sup>)

G - COST OF WORKS at F\* (\$)

**Cost of Associated Works**

H - Cost of all associated work such as landscaping (\$)

I - Cost of all public works and/or off site works (\$)

J - TOTAL COST OF WORKS (E+G+H+I) (\$)

\*Cost of works **MUST** be calculated in accordance with the current version of [Building \(General\) \(Cost of Building Work\) Determination](#) OR a summary of costs from a bill of quantities prepared by a quantity surveyor supplied with application. A summary of costs from a bill of quantities MAY be requested for proposals where cost of work is between \$0 and \$10 million. A summary of costs from a bill of quantities **MUST** be provided for proposals where cost of work is over \$10 million.

## Demolition, Trees, Waste Management

**Demolition**Is the [Demolition](#) item relevant to your proposal? Yes

Have you provided Entity Endorsement?

 NoHave you provided required documentation for [referral](#) to Entity?

Yes

## Trees

"Protected tree" is defined under the [Tree Protection Act 2005](#). In accordance with section 148 of the [Planning and Development Act 2007](#), where the development proposal requires groundwork within the tree protection zone of a protected tree, or is likely to cause damage to or removal of, any protected trees, the application is to be accompanied by a Tree Management Plan. For more information about urban tree protection in the ACT, please click [here](#).

Is the Trees item relevant to your proposal?

Yes

Have you provided Entity Endorsement?

No

Have you provided required documentation for [referral](#) to Entity?

Yes

## Waste Management

*NOTE: Only relevant for single dwelling housing where the development will generate a total of 20 cubic metres or greater of demolition and/or excavation waste*

Is the Waste Management item relevant to your proposal?

No

## Heritage

### Heritage

Is the [Heritage](#) item relevant to your proposal?

No

## Erosion and Sediment Control

### Erosion and Sediment Control (for sites less than 0.3 of a hectare)

*NOTE: All new dwellings (including in established areas) require a plan that provides details of the sediment and erosion control measures including: sediment control barrier, designated cutting area and wash area, stockpiles and stabilised access point.*

Is the Erosion and Sediment Control (for sites less than 0.3 of a hectare) item relevant to your proposal?

Yes

Have you provided Entity Endorsement?

No

Have you provided required documentation for [referral](#) to Entity?

Yes

*For works such as class 10 structures, additions and alterations, and backyard swimming pools - a note on the plan that "the development will comply with the ACT Environment Protection Authority, Environment Protection Guidelines for Construction and Land Development in the ACT" is required. In circumstances where there is a reasonable risk that soil from the required earth works in the front of the block will impact on the stormwater system because the block slopes towards the street a separate Erosion & Sediment Control Plan will be required*

### **Erosion and Sediment Control (for sites greater than 0.3 of a hectare)**

Is the Erosion and Sediment Control (for sites greater than 0.3 of a hectare) item relevant to your proposal?

No

## Greenhouse Gas Emissions

In August 2022 the ACT Government announced it is phasing out all new fossil fuel gas network connections in the ACT. A Regulation preventing new fossil fuel gas network connections is expected to come into effect by late 2023. To avoid the possibility of your development not being able to connect to the fossil fuel gas network upon completion, the development should be designed to be all-electric or constructed as 'electric ready'. Further information can be found at [www.energy.act.gov.au](http://www.energy.act.gov.au).

Are you proposing connection to the fossil fuel gas network?

No

NOTE: Developments with operating greenhouse gas emissions that exceed 250 tonnes of carbon dioxide per year need to submit a Greenhouse Gas Emissions Statement. Large developments with significant gas or diesel use may need to provide a greenhouse gas emissions statement. Single dwelling developments are unlikely to be required to report operating greenhouse gas emissions. More information can be found at (<https://www.planning.act.gov.au>)

Will the development have operating greenhouse gas emissions above 250 tonnes of carbon dioxide per year?

No

## Servicing & Site Management, Utilities, Verge Crossovers

### **Servicing and Site Management**

#### **Utilities**

*NOTE: Stormwater clearance relevant/required from Asset Acceptance only where there is a stormwater/drainage easement or Territory owned stormwater pipe on the development site*

#### **Verge Crossovers**

## Subdivision (residential zones)

### Subdivision (residential zones)

Is the Subdivision (residential zones) item relevant to your proposal?

No

If you intend to subdivide this development under the Planning and Development Act 2007 in the future, please note this in your application and contact the relevant service providers regarding additional requirements prior to submitting this application.

## Utilities Requirements - ActewAGL & Stormwater

For all developments involving construction, the location and nature of earthworks, utility connections, proposed buildings, pavements and landscape features must comply with utility standards, access provisions and asset clearance zones

Does this application comply with utility standards?

Yes

*For more information on Utility Requirements and Standards, Water, Electricity, Sewerage and gas, please contact ActewAGL on Ph: 62483555 or visit their [web site](#). For more information on Stormwater Easements, please contact Asset Acceptance via Canberra Connect on Ph: 132281 or visit their [web site](#). **Please carefully read the applicant declaration before submitting this form***

## Driveways (For works on verge only)

**PLEASE NOTE:** For proposals that include construction or modification of a driveway this application **MUST** be signed by the land custodian (Government Land Custodian - Asset Acceptance) as the works will be undertaken on unleased land **EXCEPT FOR DUAL OCCUPANCY DEVELOPMENT PROPOSALS**. For more information on driveways, garages and carports, please click [here](#).

Does your proposal include construction or modification of driveway/s?

No

## Survey Requirements - S.139(2)(l) - P & D Act 2007

If this application is for approval of a development that requires construction work to be carried out on land that has previously been developed and is not leased for rural purposes, a survey certificate for the land where the development is to be carried out (prepared and signed by a registered surveyor) must accompany this application unless exempt by Regulation 25 of the [Planning and Development Regulations 2008](#)

Do you have a survey certificate with this application?

Yes

### Proposal previously determined exempt from development approval

Is this application for development being submitted to address a situation where an exemption from development approval was granted, but the development does not accord with the exemption provisions?

No

### Development Undertaken Without Approval - S.205 - P & D Act 2007

Is this application for development undertaken without approval?

No

*If YES - Under Section 139(2)(m) of the Planning and Development Act 2007, plans of the development signed by a registered surveyor confirming the location and dimensions of the development **must** be submitted with this application. The plans need to confirm the height, width and length dimensions of the development and the setback dimensions of the development from the block boundaries. The information may be provided on one plan or on a series of plans provided each plan is signed by a registered surveyor. Note: For all unapproved development involving construction the location and nature of earthworks, utility connections, proposed buildings, pavements and landscape features must comply with utility standards, access provisions and asset clearance zones. For more information on development exempt from approval, please click [here](#). For more information on development applications for developments undertaken without approval, please refer to S205 under the [Planning and Development Act 2007](#)*

### Exclusion from Public Inspection

In accordance with the requirements of Sections 28 and 30 of the [Planning and Development Act 2007](#), the Environment, Planning and Sustainable Development Directorate must make the details and associated documents relevant to a development application available for public inspection.

*If you wish to apply to have all or part of this development application excluded from public inspection, you must meet the requirements of Section 411(5) or 412(1) of the Planning and Development Act 2007*

Are you requesting an exclusion from [Public Inspection](#)?

No

### Conflict of Interest Declaration

Does the applicant or the lessee have any association with the Environment, Planning and Sustainable Development Directorate staff?

No

*NOTE: There are penalties for deliberately giving false and misleading information. The Planning and Land Authority or Minister may revoke an approval if satisfied that the approval was obtained by fraud or misrepresentation*

## Applicant/Lessee Declaration

I/we hereby apply for approval to carry out the development described on the land specified in this application;

I/we declare that this application is accompanied by all of the required information or documents that address the relevant rules and/or relevant criteria for it to be considered for approval;

I/we understand that the information submitted with this application form will undergo a documentation check prior to the payment of fees and formal lodgement of the application. Further information may be required prior to the acceptance of the development application by the Directorate;

I/we have provided all relevant documentation in accordance with the [minimum documentation requirements for lodgement of a Development Application \(DA\)](#). Please note, a fee may be charged if your application does not contain all the required documentation;

I/we understand that this application will be considered lodged once the relevant application fees have been paid;

I/we understand that if during the assessment of this application it is found to have been submitted in the incorrect assessment track the application will be refused and I/we will not be entitled to a refund or transfer of fees;

I/we understand that the documentation provided on CD/DVD or via the electronic lodgement process will be considered to be the relevant documentation associated with this application. All development application documentation will be made available for [public inspection](#) including via the Internet unless exclusion has been approved;

If the time for deciding the application (prescribed period) has ended and a decision has not been reached I/we understand that the application will be deemed refused and the Environment, Planning and Sustainable Development Directorate will not provide written advice of this decision.

I/we also understand that the Environment, Planning and Sustainable Development Directorate is able to still consider the application and make a decision after the expiration of the prescribed period;

I/we hereby authorise the Environment, Planning and Sustainable Development Directorate its servants and agents to erect sign/s on the subject property(s) as required and authorise ACT Government officers to access the subject property(s) for the purpose of evaluating the proposal(including the inspection of driveways and trees);

I/we(lessee) appoint the applicant whose signature appears in the attached [letter of appointment](#)

to act on my/our behalf in relation to this Development Application. This authorises the applicant to pay all application fees, bonds and securities, liaise with the Environment, Planning and Sustainable Development Directorate when required, alter, amend or provide further information as necessary and receive any communications relating to this Development Application;

I/we declare that information relating to utility standards, access provisions and asset clearance zones has been sought from the relevant utility providers and this development application has been prepared in accordance with their requirements;

I understand that costs associated with the relocation of any engineering services (light poles, storm water, sumps etc) will be at my expense and that I will indemnify the ACT Government, its servants and agents against any claims arising during the relocation of these services;

I understand that construction of any driveway associated with this application may not commence until the contractor has received endorsement by the relevant government entity;

I understand that a Certificate of Design Acceptance and a Road Opening Permit and Temporary Management Plan must be obtained from the relevant government agencies prior to the start of construction works;

I/we declare that all the information given on this form and its attachments is true and complete;

**If lodging on behalf of a company, organisation or Government agency: -**

I/we declare I/we have the appropriate delegation or authority to sign on behalf of the company, organisation or Government agency;

I declare that I am the person shown in this eDA form as the Applicant, and by clicking the ACCEPT button below I understand that this replaces my requirement to sign a hard copy of this application.

I accept the above declarations

Accept

Acceptance date

17 Aug 2023

## Before Submitting

You have almost completed the first stage of your Development Application/Pre-Application request. **PLEASE ENSURE YOUR WIZARD SESSION IS SAVED BEFORE PROCEEDING.** This will enable you to resume your session in the event of a system outage or other interruption.

When you click on Finish below, you will be navigated to a new page which will enable you to upload any associated plans/documents prior to submitting to EPSDD for review.

Development applications (DAs) can be delayed unnecessarily because EPSDD does not have all

the information it needs to undertake an assessment and make a decision.

To avoid delays ensure all required sections of the wizard are answered correctly and all required documentation is uploaded. In particular:

1. A signed appointment letter from all lessee's must be provided if works are to performed on the verge, a signed endorsement letter must be provided by the relevant Government Custodian;
2. Public register plans for residential applications are included;
3. You **MUST** include a statement against the criteria for development applications that will be assessed in the Merit track;
4. If the application is for a single unit on a unit titled block body corporate authorisation is required if there is works on a common property

If you are still not sure how to proceed or want to ensure you have everything you need for your application, you can call the Land, Planning and Building Services Shopfront on 6207 1923 and ask to speak with a technical officer.

## Privacy Notice

The personal information on this form is provided to the Environment, Planning and Sustainable Development Directorate (EPSDD) to enable the processing of your application. The collection of personal information is authorised by the Planning and Development Act 2007. If all or some of the personal information is not collected EPSDD cannot process your application. The Planning and Development Act 2007 requires the details of applications, decisions and orders to be kept on a register and made available for public inspection. Information and documentation relevant to a development application may be made available via the Internet. The personal information you provide may be disclosed to Australian Bureau of Statistics, ACT Revenue Office, the Registrar General's Office, ACTEW Corporation, ActewAGL, Territory and Municipal Services Directorate and other Government agencies with a direct interest in the development assessment process. The information may also be disclosed where authorised by law or court order, or where the Directorate reasonably believes that the use or disclosure of the information is reasonably necessary for enforcement-related activities conducted by, or on behalf of, an enforcement body. EPSDD's Information Privacy Policy contains information about how you may access or seek to correct your personal information held by EPSDD, and how you may complain about an alleged breach of the Territory Privacy Principles. The EPSDD Information Privacy Policy can be found at [www.environment.act.gov.au](http://www.environment.act.gov.au)

## Does the Commonwealth Environment Protection and Biodiversity Conservation Act 1999 (EPBC) affect your proposal?

The EPBC came into operation on 16 July 2000. It establishes an environmental assessment and approval system that is separate and distinct from the ACT system. It does not affect the validity of ACT development assessment and approval processes, but may affect the assessment track. The ACT cannot provide preliminary advice on whether a proposal falls within the definition of a controlled action, or requires referral to the Commonwealth. You should consult with the Commonwealth to determine if your proposal is a controlled action before seeking any approvals under the Planning and Development Act 2007. For information about the EPBC, including the referral process and when a referral should be made, contact: the Department of Sustainability, Environment, Water, Population and Communities, GPO Box 787, CANBERRA ACT 2601 Telephone: 62741111

**Contact Details:** Environment, Planning and Sustainable Development Directorate, Land,

Planning and Building Services Shopfront, GPO Box 158, Canberra City 2601, 8 Darling Street,  
Mitchell ACT 2911 Business Hours: 8.30am to 4.30pm weekdays (excluding Public Holidays)  
Phone: (02) 6207 1923 Email: [epdcustomerservices@act.gov.au](mailto:epdcustomerservices@act.gov.au) Website:  
[www.environment.act.gov.au](http://www.environment.act.gov.au)

## INTRUSIVE RESIDENTIAL ASBESTOS ASSESSMENT REPORT

102 Macarthur Pl,  
**O'CONNOR**  
ACT 2602

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Prepared For: ACT Housing

Survey Date: 14 June 2023

Job reference: LDJ01624

102 Macarthur Place,  
O'Connor  
ACT  
2602

PREPARED FOR:  
ACT Housing

PREPARED BY:  
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## Document Control

Job Reference	Status	Date	Prepared by	Authorised by
LDJ01624	Revision 0	26/06/2023	Z. Calder	J. Smith

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## Appendices

*APPENDIX A – Certificate Of Analysis*

*APPENDIX B – Photographs*

## 1 Introduction

Most residential properties built prior to 1985 in the ACT are likely to contain one form or another of asbestos containing material (ACM). Some common examples of ACM found in residential properties include asbestos cement wall sheet, asbestos cement eave sheet and pipe lagging around hot water pipes in homes constructed with double brick.

## 2 Legislative Requirements

The Work Health & Safety (WHS) Regulations 2011, Part 8.6 details the requirements in relation to asbestos for the demolition of refurbishment of a structure. These requirements include:

*Section 451 (2): The person conducting a business or undertaking who is to carry out the demolition or refurbishment must not carry out the demolition or refurbishment until the structure or plant has been inspected to determine whether asbestos or ACM is fixed to or installed in the structure or plant.*

*Section 451 (3): The person conducting a business or undertaking who is to carry out the demolition or refurbishment must ensure that the determination is undertaken by a licensed asbestos assessor.*

More specifically to residential sites, Sections 453 and 457 of the WHS Regulations 2011 state that all asbestos that is likely to be disturbed by the demolition/refurbishment is identified, and so far as is reasonably practicable, that the asbestos is removed before the demolition/refurbishment is commenced.

These requirements are partial extracts from the WHS Regulations 2011. Further details can be found in Part 8.6 of the regulations.

## 3 Summary of Identified ACM

The items listed below is a summary of the ACM identified or presumed during the assessment of 102 Macarthur PI, O'Connor:

1. FC packers between precast concrete panels
2. Backing to electrical switchboard

## 4 Assessment Methodology

The purpose of this assessment was to determine, as far as practical, the extent of all ACM within the property. The visual assessment was initially undertaken of the property to determine the location, condition and extent of any suspected ACM. Representative sampling of suspect ACM was then undertaken to confirm whether the suspect materials contained asbestos fibre.

Samples collected during the assessment were delivered L&D's National Association of Testing Authorities (NATA) accredited laboratory with a chain of custody form. The samples were analysed by Polarised Light Microscopy using dispersion staining techniques.

The results of the analysis can be found on the L&D Certificate of Analysis (Appendix A to this report).

## 5 Risk Assessment

Identified ACM is risk assessed based on the following criteria:

- the condition of the material at the time of the assessment;
- the accessibility of the material;
- the likelihood of the material being disturbed resulting in a release of asbestos fibre.

Each ACM is categorised into one of four (4) risk categories:

<b>Very Low Risk</b>	Material is <b>very unlikely to pose an exposure risk</b> in its current condition during standard building use.
<b>Low Risk:</b>	Material is <b>unlikely to pose an exposure risk</b> in its current condition during standard building use.
<b>Medium Risk:</b>	Material is <b>likely to pose an exposure risk</b> in its current condition during standard building use.
<b>High Risk:</b>	Material <b>poses an exposure risk in its current condition.</b>

## 6 Determining Suitable Control Measures

The *Work Health and Safety (How to Manage and Control Asbestos in the Workplace Code of Practice) Approval 2020* requires that when choosing the most appropriate control measure for managing ACM or asbestos, the following hierarchy of controls must be considered:

- eliminating the risk, for example: removing the asbestos (**most preferred**)
- substituting for the risk, isolating the risk or applying engineering controls, for example: enclosing, encapsulation or sealing
- using administrative controls, for example: labelling, safe work practices etc.
- using PPE (**least preferred**)

A combination of these controls may be required in order to adequately manage and control asbestos or ACM.

## 7 Survey Findings

Table 1 below details the suspected ACM sampled as part of the assessment at 102 Macarthur Pl, O'Connor. Information is also included regarding presumed and sample-referred materials.

**Table 1: Sample Register**

Sample Reference	Item no.	Location and Material Description	Sample Type	Fibrous Content	Asbestos Type	Condition	Risk	Recommended Action
LD-ZC2289	-	Glue to entryway floor tiles	Adhesive	No Asbestos Detected	-	-	-	No action required
LD-ZC2290	-	Toilet wall sheet	Fibre Cement	No Asbestos Detected	-	-	-	No action required
LD-ZC2291	-	Bathroom wall sheet	Fibre Cement	No Asbestos Detected	-	-	-	No action required
LD-ZC2292	-	Sealant between window frame and windowpane (internal)	Caulking	No Asbestos Detected	-	-	-	No action required
LD-ZC2293	-	Sealant between window frame and precast concrete (external)	Mastic	No Asbestos Detected	-	-	-	No action required
LD-ZC2294	LDJ01624-1	FC packers between precast concrete panels	Fibre Cement	Chrysotile Asbestos	Non-friable	Good	Very Low	Remove prior to commencement of demolition works
Visually Assessed	LDJ01624-2	Backing to electrical switchboard	Tar Board	Presumed Asbestos	Non-friable	Good	Very Low	Remove prior to commencement of demolition works

**Table notes:**

Asbestos detected

Presumed asbestos present

Non asbestos detected

## 8 Discussion

Two (2) asbestos containing materials were identified or presumed during the assessment of 102 Macarthur Pl, O'Connor.

The property was constructed with a flat roof therefore access to the ceiling void was limited. Insulation batts were identified within the roof cavity. The material was visually assessed to be synthetic mineral fibre (non-asbestos).

A pipe chase was completed within the laundry, no suspect material was identified. If material is identified outside of the chased area, works should be stopped immediately, and the material should be tested.

All ACM should be removed prior to the commencement of demolition works.

## 9 Recommended Control Measures

Table 1 details the minimum recommended actions that should be taken to ensure that the risks associated with identified ACM are satisfactorily managed. These recommendations are made based on the condition of the materials as well as the licensed asbestos assessor's determination on the likelihood that the material being disturbed in the future. The client should refer to the hierarchy of controls outlined in Section 4 to make determinations on whether further action is required should the condition of the materials change or should site conditions increase the likelihood that ACM may be disturbed.

## 10 Requirements for Remediation/Removal Works Involving ACM

### 10.1 Prior to Work Commencing

Prior to commencement of asbestos removal works, the engaged licensed asbestos removal contractor must develop an Asbestos Removal Control Plan (ARCP) and a Safe Work Method Statement (SWMS) outlining how the works are to be undertaken. Worksafe ACT must be notified five (5) days prior to commencement of planned asbestos removal works. The ARCP for the asbestos removal works should be submitted with this notification.

### 10.2 During Asbestos Removal Works

Remediation or removal of friable asbestos must be undertaken by an ACT licensed Class A Asbestos Removalist as per the *Work Health and Safety: How to Safely Remove Asbestos Code of Practice (2020)* and in accordance with EPA (2011) *Contaminated Sites Information Sheet No. 5 'Requirements for the Transport and Disposal of Asbestos Contaminated Wastes'* and *Information Sheet No.6 'Management of Small Scale, Low Risk Soil Asbestos Contamination'*.

Air monitoring, which is mandatory during the removal or remediation of friable asbestos, must be undertaken in accordance with the *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres, 2nd Edition [NOHSC: 3003(2005)]*. Air monitoring is not mandatory for the removal of non-friable asbestos.

### 10.3 Following Completion of Asbestos Removal Works

On completion of asbestos removal or remediation works an independent ACT licensed Asbestos Assessor must be employed to undertake a Clearance Inspection. A satisfactory clearance certificate for the remediated areas must include no visible suspect material and where applicable, clearance monitoring must also indicate that airborne fibre levels are satisfactory.

## 11 Glossary Of Terms Generally Associated with Asbestos

ACM	Asbestos Containing Material. Any material, object, product or debris that contains asbestos.
Amosite	Grey or brown asbestos.
ARCP	Asbestos Removal Control Plan. A document detailing the control measures for undertaking particular asbestos removal works.
Chrysotile	White asbestos.
Crocidolite	Blue asbestos.
Friable asbestos	Friable asbestos material can be crumbled or reduced to a dust by hand pressure when dry. It can represent a significant exposure hazard as a consequence of minor disturbance. Pipe lagging, loose-fill asbestos, millboard and severely damaged non-friable asbestos are examples of friable asbestos.
Non-friable asbestos	Non-friable asbestos is material that contains asbestos firmly bound into a matrix. It may consist of cement or various resins/binders and cannot be reduced to a dust by hand pressure. As such it does not present an exposure hazard unless cut, abraded, sanded or otherwise disturbed. Therefore, the exposure risk from non-friable ACM is negligible during normal building occupation.
Safe Work Method Statement (SMWS)	Details the methodology and requirement for carrying out particular high risk construction work, including asbestos works.

## 12 Regulations And Codes Of Practice

*Work Health and Safety (How to Manage and Control Asbestos in the Workplace Code of Practice) Approval 2020*

*Work Health and Safety (How to Safely Remove Asbestos Code of Practice) Approval 2020*

*Work Health and Safety Act and Regulations 2011*

*Dangerous Substances Act and (General) Regulation 2004*

*Contaminated Sites: Information Sheet Number 5 - Requirements for Transport and Disposal of Asbestos Contaminated Wastes ESDD (Feb 2014)*

*Contaminated Sites: Information Sheet No.6 'Management of Small Scale, Low Risk Soil Asbestos Contamination' ESDD (Feb 2014)*

## 13 Report Caveats & Limitations

The report was designed to be read as a whole document and therefore should only be reproduced in full.

The assessment was undertaken in accordance with relevant legislation and best practice and is specific to the time the assessment was conducted. The assessment may need to be reviewed periodically to ensure it remains current. All conclusions and recommendations are written by the assessor using their professional judgement. The recommendations are largely based on the **condition of the materials at the time of the assessment as well as the licensed assessor's** determination on the likelihood that the material will be disturbed in the future, using information available to them at the time of writing the report.

No assessment was undertaken within any areas of the building which were inaccessible to the assessor at the time of the assessment. In addition, no assessment was made of the ground outside the footprint of the building.

## APPENDIX A

### Certificate Of Analysis




## ASBESTOS FIBRE IDENTIFICATION TEST REPORT

CLIENT DETAILS		LABORATORY DETAILS	
Client Name:	ACT Housing	Address:	4/6 Dacre Street Mitchell ACT 2911
Client Contact:	Jenna Malligan	Lab Manager:	Kyle Lancaster
Email:	<a href="mailto:Acthousingprocurement@act.gov.au">Acthousingprocurement@act.gov.au</a>	Email:	<a href="mailto:laboratory@landd.com.au">laboratory@landd.com.au</a>
Site Name:	102 Macarthur Pl, O'Connor ACT		
L&D Job Reference:	LDJ01624		

REPORT DETAILS	
Report Reference:	LDJ01624ID15/06/2023
No. of Samples:	6
Samples Received:	14/06/2023
Report Issue Date:	15/06/2023

**Test Specifications:** Qualitative identification of Chrysotile, Amosite and Crocidolite asbestos fibre in bulk samples using Polarised Light Microscopy (PLM) and Dispersion Staining Techniques including Synthetic Mineral Fibre (SMF) and Organic Fibre as per Australian Standard 4964-2004 and methods identified in Section C of the Lancaster & Dickenson Consulting (L & D) Laboratory Manual.

L&D ID Reference	Sample Reference	Sample Analysis Date	Sample Description	Sample Mass	Non-Asbestos Fibres Detected	Asbestos Fibres Detected
LDJ01624ID15/06/2023-1	LD-ZC2289	15/06/2023	Adhesive	1.6 g	None	No Asbestos Detected
LDJ01624ID15/06/2023-2	LD-ZC2290	15/06/2023	Fibre cement	2.3 g	Organic Fibres Detected	No Asbestos Detected
LDJ01624ID15/06/2023-3	LD-ZC2291	15/06/2023	Fibre cement	1.6 g	Organic Fibres Detected	No Asbestos Detected
LDJ01624ID15/06/2023-4	LD-ZC2292	15/06/2023	Caulking	4.0 g	None	No Asbestos Detected
LDJ01624ID15/06/2023-5	LD-ZC2293	15/06/2023	Mastic	2.0 g	None	No Asbestos Detected
LDJ01624ID15/06/2023-6	LD-ZC2294	15/06/2023	Fibre cement	1.8 g	None	Chrysotile Asbestos Detected

L&D Approved Identifier		L&D Approved Signatory
 Julia Chapman	 <b>NATA</b> <small>WORLD RECOGNISED ACCREDITATION</small> Accreditation no: 19512 Accredited for compliance with ISO/IEC 17025 - Testing 136	 Julia Chapman
Page 1 of 2		

**Notes:**

1. Asbestos in bulk materials requiring disintegration such as vinyl, resins, mastic and caulking can be difficult to detect using PLM and dispersion staining due to the low grade or small length or diameter of the asbestos fibres present in the material, or due to the fact that very fine fibres have been distributed intimately throughout the materials. Where no asbestos is detected in such a sample, another, independent analytical technique should be considered.
2. Where a sample is delivered to the laboratory by a third party, L & D accepts no responsibility for the quality of sample submitted, including whether the sample is representative of the source material.
3. All L & D reports must not be reproduced except in full.
4. The practical detection limit for identification of asbestos fibre using PLM and dispersion staining techniques is 0.01-0.1%, equivalent to 0.1-1g/kg.
5. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.
6. Reported sample weights include weight of sample bag.
7. Fibres that cannot be unequivocally identified as one of the three asbestos forms, will be reported as Unknown Mineral Fibres (UMF). The fibres detected may or may not be asbestos fibres. To confirm the identifies of these fibres, another independent analytical technique may be required.

L&D Approved Identifier		L&D Approved Signatory
 Julia Chapman	 <b>NATA</b> <small>WORLD RECOGNISED ACCREDITATION</small> <b>Accreditation no: 19512</b> Accredited for compliance with ISO/IEC 17025 - Testing 137	 Julia Chapman
<b>Page 2 of 2</b>		

## APPENDIX B

### Photographs

**Photographs**



**Item no. LDJ01624-1**  
FC Packers between precast concrete panels



**Item no. LDJ01624-2**  
Backing to electrical switchboard

NUMBER	DRAWING TITLE
GENERAL-00000	
239069-TTW-00-DR-CI-00001	GENERAL COVER SHEET
239069-TTW-00-DR-CI-00002	GENERAL NOTES
239069-TTW-00-DR-CI-00003	GENERAL DRAWING INDEX
ENVIRONMENTAL MANAGEMENT-09100	
239069-TTW-00-DR-CI-09101	ENVIRONMENTAL LANDSCAPE PROTECTION NOTES AND LEGEND SHEET 1
239069-TTW-00-DR-CI-09102	ENVIRONMENTAL LANDSCAPE PROTECTION NOTES AND LEGEND SHEET 2
239069-TTW-00-DR-CI-09111	ENVIRONMENTAL LANDSCAPE PROTECTION PLAN
ENVIRONMENTAL MANAGEMENT-09200	
239069-TTW-00-DR-CI-09201	ENVIRONMENTAL EROSION CONTROL NOTES AND LEGEND SHEET 1
239069-TTW-00-DR-CI-09202	ENVIRONMENTAL EROSION CONTROL NOTES AND LEGEND SHEET 2
239069-TTW-00-DR-CI-09211	ENVIRONMENTAL EROSION CONTROL PLAN

F:\2023\2390\239069\civil\sheet\010\239069-TTW-00-DR-CI-00003.dwg

**NOT FOR CONSTRUCTION**

			Client:			Engineer:			Project: 100, 102 MACARTHUR PL BLOCK 25, 26 SECTION 43 O'CONNOR, ACT			Drawing Title: GENERAL DRAWING INDEX			Scale at A1			Drawn			Designed			Approved											
															EM			CP																	
															Project No			Originator			Zone			Type			Role			Sheet No.			Rev		
A DA			DA EM 31.07.2023															239069-TTW-00-DR-CI-00003-A																	
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date				

## Statement Against Relevant Criteria

for

**Demolition of existing residential duplex and associated driveways, fences and landscaping**

**Blocks 25, Section 43, 102 Macarthur Place O'CONNOR ACT**

by

**Philip Leeson Architects**

The site is located in the RZ4 Zone, at the head of Macarthur Place, O'Connor. The proposal is to demolish the existing residential duplex in preparation for future redevelopment of the site with supportive housing. It is the intention to submit a separate DA for construction of a three-story apartment building on the site in the near future. A developer intent plan is included in this current submission for reference.

The proposal is assessed against the following:

### Residential Zones Development Code

The development complies with the rules and/or relevant criteria as follows:

### Residential Zones Development Code

Part C of the code applies to this proposed demolition.		
Rules	Criteria	Response
R33 A statement of endorsement for utilities (including water, sewerage, stormwater, electricity and gas) in accordance with section 148 of the Planning and Development Act 2007 is provided confirming all of the following: a) all network infrastructure on or immediately adjacent the site has been identified on the plan b) all potentially hazardous substances and conditions (associated with or resulting from the demolition process) that may constitute a risk to utility services have been identified c) all required network disconnections have been identified and the disconnection works comply with utility requirements d) all works associated with the demolition comply with and are in accordance with utility asset access and protection requirements.	This is a mandatory requirement. There is no applicable criterion.	Documentation for referral to utility entities for endorsement has been submitted with the proposal.
R34 This rule applies to one of the following: a) the demolition of multi-unit housing (including garages and carports) for which a certificate of occupancy was issued prior to 1985 b) demolition of commercial or industrial premises for which a certificate of occupancy was issued before 2005. Demolition is undertaken in accordance with hazardous materials survey (including an asbestos survey)	C34 If an endorsed hazardous materials survey is not provided, the application will be referred to the relevant agency in accordance with the requirements of the <i>Planning and Development Act 2007</i> .	Asbestos surveys for referral to the EPA for endorsement have been submitted with the proposal.  The demolition contractor will engage an appropriately qualified contractor to remove all asbestos and other hazardous materials prior to start of general demolition.

<p>endorsed by the Environment Protection Authority.</p> <p>A hazardous materials survey includes, as a minimum, the identification of a disposal site for hazardous materials, including asbestos, that complies with one of the following:</p> <ul style="list-style-type: none"> <li>i) is a licensed disposal facility in the ACT</li> <li>ii) another site outside the ACT.</li> </ul> <p>If hazardous materials, including asbestos, are to be transported for disposal interstate, approval from the Environment Protection Authority prior to removal of material from the site.</p> <p>An appropriately licensed contractor is engaged for the removal and transport of all hazardous materials (including asbestos) present at the site.</p> <p>Note: If an endorsed hazardous materials survey is required but not provided, the application will be referred to the relevant agency in accordance with the requirements of the Planning and Development Act 2007.</p>		
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End of statement

**GENERAL NOTES**

1. CONTRACTOR TO ENSURE ALL CONSTRUCTION WORKS ARE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR MUST COMPLY WITH CURRENT WORK HEALTH AND SAFETY LEGISLATION, REGULATIONS AND CODES OF PRACTICE.
3. THE CONTRACTOR SHALL AT ALL TIMES HAVE A COPY OF THE RELEVANT SPECIFICATION AND CONTRACT SPECIFIC EXCEPTION CLAUSES ONSITE. RELEVANT SPECIFICATIONS INCLUDE, BUT ARE NOT LIMITED TO, TCCS MIS, ICON WATER WATER AND SEWERAGE STANDARDS, NSW TRANSPORT STANDARDS AND LOCAL COUNCIL CONSTRUCTION SPECIFICATION.
4. THE CONTRACTOR IS TO ENSURE ALL MATERIALS AND WORK IS IN ACCORDANCE WITH SPECIFICATION REQUIREMENTS. FAILURE TO DO SO WILL RESULT IN WORKS BEING DEEMED DEFECTIVE.
5. INSPECTION, REMEDIATION, SUPERVISION AND REQUESTS FOR INFORMATION ON DEFECTIVE WORKS OR CONTRACTOR CHANGES SHALL ONLY BE CARRIED OUT AFTER AN AGREED FEE ARRANGEMENT HAS BEEN SIGNED BETWEEN TTW AND RELEVANT PARTIES ASSOCIATED WITH THE WORKS.
6. TTW DOES NOT GUARANTEE THE SURVEY INFORMATION ON THESE DRAWINGS IS ACCURATE. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ONSITE PRIOR TO THE COMMENCEMENT OF WORKS. ANY DISCREPANCIES BETWEEN CONSTRUCTION DRAWINGS AND ONSITE CONDITIONS SHALL BE REPORTED TO THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORKS.
7. UTILITIES INDICATED ON THESE DRAWINGS WERE COMPLIED FROM A VARIETY OF SOURCES AND ARE CATEGORISED IN ACCORDANCE WITH AS 5488.
8. PRIOR TO COMMENCING WORK ONSITE THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND SERVICES THROUGH MEANS OF POTHOLING. DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND CONDITIONS ONSITE SHALL BE REPORTED TO THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORKS.
9. BLOCK BOUNDARIES AND LAND ACCESS DETAILS SHOWN ON THE DRAWINGS ARE IN ACCORDANCE WITH SUPPLIED DIGITAL DATA OR SURVEY. ANY DISCREPANCIES ARE TO BE REFERRED TO THE SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORKS.
10. DRAWINGS ARE NOT TO BE SCALED, USE DIMENSIONS ON DRAWINGS ONLY.
11. THE CONTRACTOR IS TO ENSURE ALL WORKS MATCH SMOOTHLY TO THE EXISTING.
12. THE CONTRACTOR SHALL ENSURE ALL DISTURBED AREAS AND ASSETS ARE REINSTATED AT THE CONTRACTORS EXPENSE TO THE SUPERINTENDENT'S SATISFACTION. ASSETS TO BE REINSTATED INCLUDE, BUT ARE NOT LIMITED TO, PAVEMENTS, KERBS AND LANDSCAPING.
13. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING CONSTRUCTION METHODOLOGY FOR EARTHWORKS THAT IS CONSISTENT WITH RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND WORK HEALTHAND SAFETY REQUIREMENTS, THAT ALLOWS ALL WORKS TO BE CARRIES OUT IN A SAFE AND COORDINATED MANNER.

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**NOT FOR CONSTRUCTION**

			Architects:						Engineer:						Project:			100, 102 MACARTHUR PL BLOCK 25, 26 SECTION 43 O'CONNOR, ACT			Drawing Title:			GENERAL NOTES			Scale at A1			Drawn			Designed			Approved		
																					EM			CP														
A DA			DA EM 31.07.2023																																			
Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date	Rev	Description	Eng Draft	Date			

612 9439 7288 | Level 6, 73 Miller Street, North Sydney, NSW 2060  
143

Project No  
239069-TTW-00-DR-CI-00002-A  
31.07.2023 5:03 PM



This section of the Waste and Recycling Management Plan must be completed by all applicants when lodging a submission for a Development Application, Design Acceptance, or Operational Acceptance.

**Note:** The Submission must be complete and include **all the elements for the WRMP** TCCS will not accept incomplete Submissions or Submissions from individual consultants for separate elements of the WRMP. Assessment will not commence until a complete Submission has been received.

### SITE DETAILS

**Project Title:**

**Description:**

### DEVELOPER'S/CLIENT'S DETAILS

**Name of entity:**  **Contact Person:**

**Address:**

**Phone Number:**  **E-mail:**

### APPLICANT'S DETAILS

**Company name:**  **Contact Person:**

**Address:**  **Phone Number:**

**Email:**

### LODGEMENT STAGE

**Development Application:**  Yes  No  N/A

**Design Acceptance:**  Yes  No  N/A

**Operational Acceptance:**  Yes  No  N/A

### PROJECT DETAILS (CHECK ALL RELEVANT BOXES)

Single Dwelling and Dual Occupancy Dwellings

Multi-unit residential development – individual MGBs with kerbside collection (Section 2.1a)

Multi-unit residential development – shared MGBs with kerbside collection (Section 2.1b)

Multi-unit residential development – bins with on-site collection (Section 2.1c)

Commercial, public and industrial development (Section 2.2)

Mixed-use development (Sections 2.1 and 2.2)

Demolition, Excavation and Construction (Section 3)



The Cover Sheet Checklist provides a brief overview of the Submission. All relevant WRMP forms and associated documentation must also be submitted with this application. The Design Solution will be either Performance-based (Perf) or Deemed-to-Satisfy (DtS) – if a combination of both then select Performance.

CHECKLIST						
WASTE MANAGEMENT COMPONENT  (DCC Reference)	DESIGN SOLUTION		COMPLIANT (check one box)			
	Perf	DtS	Yes	No	N/A	Office use
Performance solutions approved at Pre-Application stage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-standard collection requiring ACT NoWaste approval	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Indoor storage spaces for each dwelling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Path of travel from dwelling to waste enclosure or <i>designated collection point</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Path of travel from waste enclosure to <i>designated collection point</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Facilities and path of travel are <i>accessible</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Waste service compartments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Performance of <i>chutes</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
On-site storage facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Compaction equipment – includes <i>compactors</i> and <i>bin compactors</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ancillary waste equipment – bin lifters, <i>carousels</i> etc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Loading areas or <i>designated collection points</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unobstructed kerb space at <i>designated collection points</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internal circulation roadways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Swept path</i> clearances – certified by qualified engineer	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Vertical and horizontal clearances, including trees	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operations management plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Mixed use</i> – separation of residential and non-residential	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C&D, Excavation – type/volume or tonnage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C&D, Excavation – on-site/off-site management	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C&D, Excavation – vehicle access	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Supporting drawings and documentation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Submission requirements</i> addressed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Work As Executed</i> records (Operational Acceptance)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Controls for these developments are included in Part 3.2.5 and Part 3.5 of the DCC. Submission requirements are stated in Part 3.5.4. Where appropriate, provide plans showing details to support the application.

This section applies to the following:

- Development applications for new multi-unit residential developments
- Development applications for alterations or additions to existing multi-unit residential developments if there is an effect on the provision of waste and recycling services
- Development applications for new mixed-use developments that include multi-unit residential developments.

**STORAGE FACILITIES**

**CONTROL C1 OF DCC – INDOOR WASTE AND RECYCLING STORAGE SPACE**

**Location and dimensions of indoor waste and recycling storage space for each dwelling type**

(Provide tabulated calculations of the total waste and recycling generated per week as per Table A4.2)

**Description**

**Drawing Reference Numbers**

Development satisfies control C1 of the DCC:  Yes  No

**CONTROL C2 – EXTERNAL WASTE, RECYCLING AND GREEN WASTE STORAGE AREA**

**Location and dimensions of waste, recycling and green waste storage area**

(Refer to **Table 3.3** for mandatory submission requirements. Use Tables **A4.5** and **A4.5** to calculate waste and recycling storage requirements for the development. Refer to **A4.3** and [the City Services website](#) for green waste storage requirements, if applicable for this development)

**Description**

Development satisfies control C2 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:



**PATH OF TRAVEL**

**CONTROL C3 – ACCESSIBLE PATH OF TRAVEL**

Path of travel for moving bins from the *waste, recycling and green waste storage area* to the *designated collection point*.

(Refer to **R2.3** of **Table 3.3** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C3 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:

**DESIGNATED COLLECTION POINT**

**CONTROL C4 AND C5 – DESIGNATED COLLECTION POINT (KERBSIDE)**

Location of *designated collection point (kerbside)*, including dimensions of available kerb frontage and indicative presentation layout of MGBs on kerbside

(Refer to **R2.4** of **Table 3.3** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C4 and C5 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:



**COMPLETE IF DEVELOPMENT IS PART OF A MIXED-USE DEVELOPMENT ONLY**

**CONTROL C23 (PART 5.3) – SEPARATION OF RESIDENTIAL AND NON-RESIDENTIAL WASTE**

Identify how *residential* and non-residential waste and recycling will be kept separate and methods to minimise the potential for commercial tenants to use *residential waste* and recycling bins

(Refer to **R4** of **Table 5.2** for mandatory submission requirements).

Description

Drawing  
Reference  
Numbers

Development satisfies control C23 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:



Controls for these developments are included in Part 3.2.4 and Part 3.6 of the DCC. Submission requirements are stated in Part 3.6.4. Where appropriate, provide plans showing details to support the application.

This section applies to the following:

- Development applications for new multi-unit residential developments
- Development applications for alterations or additions to existing multi-unit residential developments if there is an effect on the provision of waste and recycling services
- Development applications for new mixed-use developments that include multi-unit residential developments.

**STORAGE FACILITIES**

**CONTROL C1 – INDOOR WASTE AND RECYCLING STORAGE SPACE**

**Generation of waste and recycling for each dwelling type**

(Provide tabulated calculations per dwelling type per week, as per **Table A4.2**)

**Description**

**Drawing Reference Numbers**

Development satisfies control C1 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

**CONTROL C6 – EXTERNAL WASTE AND RECYCLING STORAGE FACILITY**

**Location and dimensions of waste and recycling storage facility or mini-enclosure**

(Refer to **Table 3.3** for mandatory submission requirements. Use **Tables A4.5** and **A4.5** to calculate waste and recycling storage requirements for the development. Refer to **A4.3** and [the City Services website](#) for green waste storage requirements, if applicable to this development)

**Description**

Development satisfies control C6 of the DCC:  Yes  No

Development satisfies Part 7.2.3 or 7.2.4 or both of the DCC  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:



**PATH OF TRAVEL**

**CONTROL C7 – ACCESSIBLE PATH OF TRAVEL**

Accessible path of travel for carrying waste and recyclables and for moving bins between the *waste and recycling storage facility or minienclature* and: (i) the entrance of each dwelling; and (ii) the *designated collection point*  
(Refer to **Table 3.5** for mandatory submission requirements)

Description

Drawing Reference Numbers

Development satisfies control C1 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:

**OPERATIONS MANAGEMENT PLAN**

**CONTROL C8 – OPERATIONS MANAGEMENT PLAN**

Description of the process to present bins for collection and to return bins to the waste and recycling storage facilities. Include documentation to be presented to the *owners corporation*.

Description

Development satisfies control C8 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:



**COLLECTION POINT**

**CONTROL C9 AND C10 – DESIGNATED COLLECTION POINT (KERBSIDE)**

Location of *designated collection point (kerbside)*, including dimensions of available kerb frontage and indicative presentation layout of MGBs on kerbside

Description

Drawing Reference Numbers

Development satisfies control C9 and C10 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:

**COMPLETE IF DEVELOPMENT IS PART OF A MIXED-USE DEVELOPMENT ONLY**

**CONTROL C23 (PART 5.3) – SEPARATION OF RESIDENTIAL AND NON-RESIDENTIAL WASTE**

Identify how *residential* and non-residential waste and recycling will be kept separate and methods to minimise the potential for commercial tenants to use *residential* waste and recycling bins

Description

Development satisfies control C23 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:



Controls for these developments are included in Part 3.2.4 and Part 3.7 of the DCC. Submission requirements are stated in Part 3.7.4. Where appropriate, provide plans showing details to support the application.

This section applies to the following:

- Development applications for new multi-unit residential developments
- Development applications for alterations or additions to existing multi-unit residential developments if there is an effect on the provision of waste and recycling services
- Development applications for new mixed-use developments that include multi-unit residential developments.

**STORAGE FACILITIES**

**CONTROL C1 – INDOOR WASTE AND RECYCLING SPACE**

**Generation of waste and recycling for each dwelling type**

(Provide tabulated calculations per dwelling type per week, as per **Table A4.2**)

**Description**

**Drawing Reference Numbers**

Development satisfies control C1 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:

**CONTROL C11 – EXTERNAL WASTE AND RECYCLING STORAGE FACILITIES**

**Location and dimensions of external waste and recycling storage facilities**

(Provide calculations to demonstrate adequacy of space, including dimensions, cross-sections and height of the waste and recycling storage facility. Refer to Table 3.8 for mandatory submission requirements. Use Tables **A4.5** and **A4.5** to calculate waste and recycling storage requirements for the development)

**Description**

**Drawing Reference Numbers**

Development satisfies control C11 of the DCC:  Yes  No



Development satisfies Part 7.2.3 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:

**How will waste be transferred from each dwelling to external storage area?**

Description

Drawing Reference Numbers

**PATH OF TRAVEL**

**CONTROL C12 – ACCESSIBLE PATH OF TRAVEL**

Accessible path of travel for carrying waste and recyclables and for moving bins between the waste and recycling storage facilities or waste service compartments and: (a) the entrance to each dwelling; and (b) the *designated collection point*

*(Provide plan of travelling distance, clearance and gradients. Refer to Table 3.8 for mandatory submission requirements)*

Description

Drawing Reference Numbers

Development satisfies control C12 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:



**MULTI-UNIT DEVELOPMENTS – WASTE AND RECYCLING CHUTES, COMPACTION EQUIPMENT ETC  
COMPLETE EITHER CONTROL C13 OR C14 OR C15**

**CONTROL C13 – CONVENIENT ACCESS TO WASTE SERVICES – 3 RESIDENTIAL FLOORS OR LESS**

Location and details of any waste service compartments and other waste and recycling equipment that form part of the waste management system

*(Provide calculations to demonstrate adequacy of space. Refer to **Table 3.8** for mandatory submission requirements)*

**Description**

**Drawing Reference Numbers**

Development satisfies control C13 of the DCC:  Yes  No

Development satisfies Part 7.3 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:



**CONVENIENT ACCESS (CONTINUED) – COMPLETE EITHER CONTROL C13 OR C14 OR C15**

**CONTROL C14 – CONVENIENT ACCESS – 4 RESIDENTIAL FLOORS AND ABOVE**

**Location and details of any waste service compartments and other waste and recycling equipment that form part of the waste management system**

*(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 3.8** for mandatory submission requirements)*

**Description**

**Drawing Reference Numbers**

**Location and details of any waste and recycling chutes**

*(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 3.8** for mandatory submission requirements)*

**Description**

**Drawing Reference Numbers**

Development satisfies control C14 of the DCC:  Yes  No

Development satisfies Part 7.3 of the DCC:  Yes  No

**Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:**



**COLLECTION POINT**

**CONTROL C15 – DESIGNATED COLLECTION POINTS**

**Location of designated collection points or hopper pads**

(Refer to **Table 3.8** for mandatory submission requirements)

Description

Drawing Reference Numbers

Development satisfies control C15 of the DCC:  Yes  No

Development satisfies Part 7.2.3 or 7.4 or both:  Yes  No

**Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:**

**VEHICULAR ACCESS**

**CONTROL C16 – UNOBSTRUCTED ACCESS TO DESIGNATED COLLECTION POINTS**

**Path of travel for collection vehicles (if collection occurs on site)**

(Provide details of travelling distance; clearance in all directions; loading heights and widths; and turning and manoeuvring paths, ramp access, clearances, gradients and pavement details including compliance with **AS2890.1-2004**. Refer to **Table 3.8** for mandatory submission requirements)

Description

Drawing Reference Numbers

Development satisfies control C16 of the DCC  Yes  No

Development satisfies Appendix 7 of the DCC:  Yes  No

**Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:**



**COMPLETE IF DEVELOPMENT IS PART OF A MIXED-USE DEVELOPMENT ONLY**

**CONTROL C23 (PART 5.3) – SEPARATION OF RESIDENTIAL AND NON-RESIDENTIAL WASTE**

Identify how residential and non-residential waste and recycling will be kept separate and methods to minimise the potential for commercial tenants to use *residential waste and recycling bins*

(Refer to **R4** of **Table 5.2** for mandatory submission requirements)

Description

Drawing  
Reference  
Numbers

Development satisfies control C23 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:



Controls for these developments are included in Part 4 of the DCC. Submission requirements are stated in Part 4.4. Where appropriate, provide details on plans to support your application.

- Development applications for new commercial, public or industrial developments
- Development applications for alterations or additions to existing commercial, public or industrial development if there is an effect on the provision of waste and recycling management
- Development applications for new mixed-use developments involving commercial, public or industrial development.

**WASTE AND RECYCLING GENERATION**

**CONTROL C17 – WASTE AND RECYCLING GENERATION**

Waste and recycling generated by each proposed activity within the development, including quantities, bin types and storage requirements

DESCRIPTION						
Premises Type	Floor Area (m2)	Generation Rate		Waste (L/week)	Recycling (L/week)	Number of Bins and Sizes
		Waste	Recycling			

In completing this table, refer to Appendix 5 – Waste and Recycling Generation Rates for Commercial, Public and Industrial Developments

Development satisfies Appendix 4, if includes residential component  Yes  No  N/A

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:



**WASTE AND RECYCLING STORAGE FACILITIES**

**CONTROL C17 AND C18 – EXTERNAL WASTE AND RECYCLING STORAGE FACILITIES**

Location of *individual waste and recycling storage facilities (C18)* including any *waste and recycling storage sections (C17)* and refrigerated waste storage for the entire development

(Provide calculations to demonstrate adequacy of space. Refer to **Table 4.2** for mandatory submission requirements)

Description

Drawing Reference Numbers

Development satisfies control C17 and C18 of the DCC:  Yes  No

Development satisfies Appendix 5 of the DCC:  Yes  No

Development satisfies Part 7.2.3 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:

**PATH OF TRAVEL**

**CONTROL C19 – ACCESSIBLE PATH OF TRAVEL**

Accessible path of travel from the point of origin or holding area to the *waste and recycling storage facilities*

(Provide details of clearances, gradients and mitigation of odour and noise impacts. Refer to **Table 4.2** for mandatory submission requirements)

Description

Drawing Reference Numbers

Development satisfies control C19 of the DCC:  Yes  No

Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:



**DESIGNATED COLLECTION POINT**

**CONTROL C20 – DESIGNATED COLLECTION POINT**

**Location of *designated collection points or hopper pads or both***

*(Refer to **Table 4.2** for mandatory submission requirements)*

**Description**

**Drawing  
Reference  
Numbers**

**Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:**

**Path of travel for moving bins from waste and recycling storage facilities to the designated collection point**

*(Provide plan of travelling distance, clearance and gradients. Refer to **Table 4.2** for mandatory submission requirements)*

**Description**

**Drawing  
Reference  
Numbers**

**Path of travel for collection vehicles (if collection occurs on site)**

*(Provide details of travelling distance, clearance, turning and manoeuvring paths, ramp access and pavement details to demonstrate compliance with TCCS Design Standards of Urban Infrastructure and the DCC)*

**Description**

**Drawing  
Reference  
Numbers**

Development satisfies control C20 of the DCC:  Yes  No

Development satisfies Appendix 7 of the DCC:  Yes  No

**Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the *waste transporter* to provide the service:**



**WASTE CHUTES, COMPACTION OR OTHER EQUIPMENT**

**CONTROL C18 – WASTE CHUTES, COMPACTION OR OTHER EQUIPMENT**

**Location and details of any waste chutes**

*(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 4.2** for mandatory submission requirements)*

**Description**

**Drawing Reference Numbers**

**Location and details of any waste and recycling service lifts**

*(Provide calculations to demonstrate adequacy of equipment)*

**Description**

**Drawing Reference Numbers**

**Location and details of any waste compaction equipment**

*(Provide calculations to demonstrate adequacy of equipment. Refer to **Table 4.2**, in particular **R2.7** and **R2.8**, for mandatory submission requirements)*

**Description**

**Drawing Reference Numbers**

Development satisfies control C18 of the DCC:  Yes  No

Development satisfies Appendix 7.3 of the DCC:  Yes  No

**Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:**



Requirements for these developments are included in Part 6 of the DCC. Submission requirements are stated in Part 6.6 of the DCC. Where appropriate, provide details on plans to support your application.

**Note:** A WRMP is **not** required unless the proposed demolition or excavation activities generate more than 20m<sup>3</sup> of waste for the whole development.

This section applies to the following:

- Demolition – All Development applications involving demolition where the quantity of demolition material will be greater than 20m<sup>3</sup> for the whole development
- Excavation – All Development applications involving excavation where the quantity of excavated material will be greater than 20m<sup>3</sup> for the whole development
- Development applications for new mixed-use developments that include multi-unit residential developments.

**WASTE TYPES AND QUANTITIES**

**CONTROL C24 – DEMOLITION, EXCAVATION AND CONSTRUCTION WASTE TYPES AND QUANTITIES**

**Specify demolition, excavation and construction waste materials by type and volume or tonnage**

This information can be shown in **Table 3.1** (Demolition Waste) or **Table 3.2** (Construction Waste) or both which can be found over leaf. Refer to **Table 6.2** for mandatory submission requirements.

<b>Description</b>	To be determined by contactor at later stage
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**ON-SITE MANAGEMENT OF DEMOLITION, EXCAVATION AND CONSTRUCTION WASTE**

**CONTROL C25 – ON-SITE MANAGEMENT OF WASTE**

**Nominate on-site sorting and storage areas for demolition, excavation and construction waste materials.**

**Show these details on a draft site plan**

(Refer to **Table 6.2** for mandatory submission requirements)

<b>Description</b>	To be determined by contactor at later stage
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<b>Drawing Reference Numbers</b>	
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**Describe the work method, practices and specific procedures to be adopted to maximise the reuse and recycling of waste materials**

(Refer to **Table 6.2**, in particular **R2.2**, for mandatory submission requirements)

<b>Description</b>	To be determined by contactor at later stage
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**Identify access for demolition and construction waste collection vehicles**

*(Refer to Table 6.2 for mandatory submission requirements)*

**Description**

**Drawing Reference Numbers**

**Details of waste or recycling storage containers, or both, to be stored outside leased boundaries**

*(Separate approval is required from Public Land Use, City Services (via Access Canberra Phone 132 881))*

**Description**

**Drawing Reference Numbers**

Development satisfies control C25 of the DCC:  Yes  No

**Provide details if DCC requirements are not satisfied, and proposed alternatives that will not impact on the ability of the waste transporter to provide the service:**



**RESUSE AND RECYCLING OF DEMOLITION, EXCAVATION AND CONSTRUCTION WASTE**

**CONTROL C18 – WASTE CHUTES, COMPACTION OR OTHER EQUIPMENT**

Details of reuse and recycling potential (on-site or off-site, or both) for demolition, excavation and construction waste

**Description**

*This information can be shown in **Table 3.1** (Demolition Waste) or **Table 3.2**, or both (Construction Waste).*

***Tables 3.1 and 3.2** are over leaf.*

To be determined by contactor at later stage

**Drawing  
Reference  
Numbers**

Name and location of approved licensed sites for recycling, or reprocessing, or landfill, or all of these, for the disposal of demolition, excavation and construction waste materials

**Description**

*This information can be shown on **Table 3.1** (Demolition Waste) or **Table 3.2**, or both (Construction Waste).*

***Tables 3.1 and 3.2** are over leaf.*

To be determined by contactor at later stage

Development satisfies control C25 of the DCC:  Yes  No

**TABLE 3.1 – DEMOLITION WASTE**

Type of Material Generated	ON-SITE				OFF-SITE				DISPOSAL AT LANDFILL										
	Estimated		Actual (to be provided at WAE)		Proposed Reuse and Recycling On-site	Estimated		Actual (to be provided at WAE)		Name of Receiving Recycling Outlets or Reuse Sites or Both	Estimated		Actual (to be provided at WAE)		Name of Landfill Site	Estimated		Actual (to be provided at WAE)	
	Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)
Excavation Material																			
Bricks																			
Concrete																			
Timber (specify)																			
Plasterboard/Gyprock																			
Metals (specify)																			
Cardboard																			
Plastics																			
Mixed Waste																			
Other (specify)																			
<b>Total</b>																			
<b>Percentage of Total</b>																			

**TABLE 3.2 – CONSTRUCTION WASTE**

Type of Material Generated	ON-SITE				OFF-SITE				DISPOSAL AT LANDFILL										
	Estimated		Actual (to be provided at WAE)		Proposed Reuse and Recycling On-site	Estimated		Actual (to be provided at WAE)		Name of Receiving Recycling Outlets or Reuse Sites or Both	Estimated		Actual (to be provided at WAE)		Name of Landfill Site	Estimated		Actual (to be provided at WAE)	
	Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)		Vol (m <sup>3</sup> )	Wt (T)	Vol (m <sup>3</sup> )	Wt (T)
Excavation Material																			
Bricks																			
Concrete																			
Timber (specify)																			
Plasterboard/Gyprock																			
Metals (specify)																			
Cardboard																			
Plastics																			
Mixed Waste																			
Other (specify)																			
<b>Total</b>																			
<b>Percentage of Total</b>																			