

UPDATED ON 09/03/2023

## REFERAL TO TRAFFIC AND TRANSPORT

DEVELOPMENT APPLICATION NO. DA-1295/2021

SITE ADDRESS: LOT 184 DP 1237400 LOT 184 GURNER AVENUE, AUSTRAL NSW 2179

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### ASSESSMENT OF APPLICATION

#### BACKGROUND INFORMATION

This is a traffic re-referral advice following a meeting held between Landcom and Council staff on 1<sup>st</sup> of March 2023 to discuss the information submitted by the applicant in response to Council's request for information (RFI).

The DA was assessed previously by Council's Traffic Management Section and raised various traffic related issues to be addressed by the applicant including amending the civil design to adopt the Council's DCP road cross section, prior to the determination of the DA.

In their response to the RFI request, Landcom indicated that they would not adopt the DCP road cross sections and request that the DA be put to the Sydney Western City Planning Panel for review and determination. They argued that their proposed road cross section will provide for an improved streetscape outcome than would otherwise be achieved by strict compliance with the DCP.

#### ASSESSMENT OF APPLICATION

Traffic impact assessment of the proposal has been carried out with reference to the Roads and Maritime Services (RMS) Guide to Traffic Generating Developments, Council's DCP and AS 2890.

##### Traffic Generation and Impact

Proposed Traffic Generation:

Council's Position:

Impact on the Traffic Network:

The traffic generation of the site would have been considered during the planning for the South-West Growth Centre and subsequent precinct planning exercise.

##### Car parking assessment

Proposed Parking Rates:

Required Parking Rates:

Council's Position:

Parking provision will be assessed at a later date when DA is lodged for the individual lots for dwelling construction.

## **Access and car parking design**

Transport management Section recommends the following matters to be addressed by the applicant prior to the issue of Construction Certificate

The applicant is to submit detailed design plans of the proposed road network for the development, including the following:

Carriageway width – the typical cross sections for Street A, Street B and Edge Street (see below) are to be reflected in the detailed design plan as proposed by the applicant:

- Street A - typical cross section of 11.3m made up of 6.4m carriageway.
- Street B - East west Street. typical cross section of 8.0m made up of 5.6m carriageway.
- Edge Street – 6.1 carriageway.

Intersection treatments – the applicant is to provide intersection treatments as indicated below:

- Roundabout or other appropriate treatment at the intersection of Road 01 and Road 13 and Road 02 and Road 16.
- Appropriate sign controls at other four-way intersections within the development site.
- Speed hump at every 100m spacing

On-street parking - The design is to provide adequate on-street parking, in particular on Street A – Entry Street, Street B – East west WSUD spine, and the shared zone streets with housing development on both sides of the street. Adequate on-street car parking is to be provided on both sides of the streets fronting residential development including: Road Nos. 01, 02, 03, 04, 05, 06, 07, 08, 10, 12, 14, 15.

### Road link to the external road network

- The intersection of Gurner Avenue and Edmondson Avenue needs upgrading to safely accommodate the traffic to be generated by the proposed Landcom development as well as the Crownlands development. Landcom need to upgrade the intersection to make it safe and operate efficiently. Landcom is to undertake design investigation of the intersection and submit to Council a design of the proposed intersection upgrade for review.
- The existing half road Edmondson Avenue will not be able to accommodate two-way traffic movements safely when vehicles are parked on the road. Landcom is to prepare a no-parking scheme along both sides of the half road Edmondson Avenue between Lapwing and Swamphen Street. As part of this process the applicant is to undertake community consultation and have the matter approved by the Liverpool Local Traffic Committee.
- The development is to include the construction of the northern road (northern extension of Edmondson Avenue through their site) leading into Lot 10 Gurner Avenue, Austral up to the property boundary as shown in the ILP.

Shared zones – subject to approval by TfNSW, the shared zones need to have appropriate signage and be capable of self-enforcing.

### Signs and line marking scheme

- Landcom needs to prepare and submit to Council a signs and line marking plan for the whole site with particular attention to the detail required on the one-way and shared zone arrangements within the site.

## **CONCLUSION**

Transport management team raise no objection subject to compliance with the requirements of the DCP, Australians Standards and DA conditions.

## Note to the DA Assessing Planner

Fifteenth Avenue upgrade - Fifteenth Avenue is the main road that links the proposed development with the external road network. As recent media reports have shown traffic congestion has been a major issue on Fifteenth Avenue and other roads in the Austral area. The Austral & Leppington North Precincts Traffic Assessment prepared by AECOM in 2011 for the former NSW Department of Planning and Infrastructure that was referred to in the TIA identified a need for four lane road widening. While Fifteenth Avenue is a local road funding is being collected under the Western Sydney Growth Centre Special Infrastructure contribution scheme. Council, DPE and TfNSW have agreed for TfNSW to be responsible for the design. **It is recommended that Landcom be requested to make representation for early upgrade of the road to accommodate the expected increased traffic demand.**

Similarly, Craik Avenue is approved to be restricted to left in and left out due to restricted sight distance at its intersection with Fifteenth Avenue. Hence a connection to external road network via extension of Edmondson Avenue to Fifteenth Avenue is important.

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## DETERMINATION

### Nominate either:

Application supported subject to conditions (see below):

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Application not supported for the following reason/s:

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Application deferred for the following reason/s (extra information):

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### Name of officer completing referral

Salih Suleiman

### Date referral completed

13/12/2022

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## STANDARD CONDITIONS (REMOVE CONDITIONS DO NOT APPLY)

### Prior to Issue of Construction Certificate

#### **B048 A - Provision of Services – Street Lighting**

The applicant/developer shall engage the services of an Endeavour Energy accredited ASP Level 3 service provider. The consultant is to lodge [Endorsement of Public Lighting Design Application Form](#). The application is available on Council website and can be lodged online.

This form is to be used to seek Council requirements for upgrading or installing new street lights at all frontages.

Consult Council's Traffic Management Section for streetlight upgrade requirement for infill developments in the existing established areas.

The upgrade shall include undergrounding of existing aerial power lines, communication cables and replacement of existing street light poles with Endeavour Energy approved Macarthur Poles as specified by Council in the public lighting design brief.

#### **B408 Access, Car Parking and Manoeuvring – General**

The Certifying Authority shall ensure and certify that vehicular access, circulation, manoeuvring, pedestrian and parking areas associated with the subject development have been designed and are in accordance with AS 2890.1, AS2890.2, AS2890.6 and Council's Development Control Plan.

#### **B414      Bus Stops**

Possible Bus Stop locations are to be discussed with the local bus companies and are to be designed in accordance with bus company requirements including incorporating the requirements of the Disability Discrimination Act 2002, Disability Standards for Accessible Public Transport and the Guidelines for assessing compliance of bus stops with the Disability Standards for Accessible Public Transport 2002.

#### **B555      Detailed Design Drawings**

The applicant is to discuss with Council's Traffic Management Section of the traffic requirements prior to undertaking the detailed design of traffic facilities, signs and linemarking in the existing and/or proposed public domain.

Detailed design drawings of the proposed traffic facilities, signs and line markings in the existing and proposed public domain areas are to be submitted to Council for approval using [Approval of Traffic Facilities including Signs and Line Marking Schemes Application Form](#). The application is available on Council website and should be lodged online. The drawings are to be prepared by a suitably qualified person.

#### **B560      Road Works**

Works within the public road reserve shall not commence until the design drawings including the associated signs and line marking scheme have been approved by Council's Traffic Management Section.

#### **D900      Public Domain Works – Street Lighting**

The approved street lighting designs are to be implemented along all new and existing streets within the proposed development in accordance with Liverpool City Council standards and to the satisfaction of Council.

All street lighting must comply with the service provider Street Lighting Policy and illumination requirements and Council's Street Lighting policy.

All cost associated with the installation of street lighting shall be borne by the developer.

#### **Prior to Works Commencing**

#### **B158      Construction Traffic Management Plan (CTMP)**

A construction traffic management plan (CTMP) prepared by a suitably qualified person is to be submitted to and endorsed by Council's Transport Management Section. The CTMP is to be submitted using [Assessment of Construction Traffic Management Plan application form](#). The application is available on Council website and can be lodged online. Comments on the CTMP will be provided and the updated CTMP are to be implemented during construction.

A copy of the endorsed CTMP and traffic control plans are to be available on the works site for inspection by authorised Council officers.

Construction shall not commence until the assessed construction traffic management plan has been endorsed. The endorsed CTMP is to be implemented during construction.

#### **D155 Work Zone**

A Works Zone application is required if on-street parking is affected with commuter parking and there is insufficient off-street parking space.

A [Works Zone Application Form](#) is available on Council website and can be lodged online by attaching all required documents indicated on the application form.

#### **C201 Road Occupancy Permit**

Road occupancy and road opening approvals will be required from Council to undertake works within the existing road reserve. The following applications are available on Council's website and can be lodged online attaching all required documents indicated on the application form.

- [Road Occupancy Application Form](#)
- [Road Opening Application Form](#)

### **During Construction**

#### **D165 Public Domain Works**

All works within the road reserve, including the approved sign and line making scheme, are to be carried out by the applicant, at no cost to Council, in accordance with the TfNSW/RMS 'Delineation Guidelines'.

#### **D900 Public Domain Works – Street Lighting**

Street lights are to be installed in accordance with the Endeavour Energy certified plans to their satisfaction.

### **Prior to the Issue of an Occupation Certificate**

#### **E900 Public Domain Works – Street Lighting**

The approved street lighting designs are to be implemented along all new and existing streets within the proposed development in accordance with Liverpool City Council standards and to the satisfaction of Council. Endeavour Energy pole numbers and the date poles were energised are to be submitted to Council's Traffic Management Section prior to submitting OC or SC application.

All cost associated with the installation of street lighting shall be borne by the developer.

### **Prior to the Issue of an Subdivision Certificate**

#### **F900 Public Domain Works – Street Lighting**

The approved street lighting designs are to be implemented along all new and existing streets within the proposed development in accordance with Liverpool

City Council standards and to the satisfaction of Council. Endeavour Energy pole numbers and the date poles were energised are to be submitted to Council's Traffic Management Section prior to submitting OC or SC application.

All cost associated with the installation of street lighting shall be borne by the developer.

## **Conditions Relating to Use**

### **G210 Car Parking Management**

All parking areas shown on the approved plans must be used solely for this purpose.

### **G220 Loading Areas**

All loading and unloading must take place from the designated loading dock/bay. This area is to be clearly marked/signposted for use by delivery vehicles only.

### **G230 Vehicle Access**

Vehicles entering or leaving the development site should be in forward direction, if practicable.

## **NON-STANDARD CONDITIONS**

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#### **Prior to Occupation Certificate**

1. The applicant is to undertake Community Consultation with respect to removal of parking along both sides of Edmondson Avenue, between Lapwing Road and Gurner Avenue, to ensure unimpeded two-way traffic flow. Subject to the outcome of the consultation, the applicant is to submit and have approved a signage and line marking plan which addresses the appropriate signage.

**Reason:** Whilst the SIDRA data identified appropriate gaps for vehicles to pass one another along this section of Edmondson Avenue, the volume of traffic exiting Edmondson Avenue at Gurner Avenue is deemed significant. In the event there is a vehicle parked along Edmondson Avenue, queueing on Edmondson Avenue on approach to Gurner Avenue will effectively block any access into the street.