

Traffic Engineer Referral Response

Application Number:	DA2025/0173
Proposed Development:	Demolition works and construction of a residential flat building
Date:	24/04/2025
Responsible Officer	
Land to be developed (Address):	Lot 12 DP 111254 , 142 Ocean Street NARRABEEN NSW 2101 Lot 13 DP 606591 , 140 Ocean Street NARRABEEN NSW 2101

Officer comments

Proposal description: Proposed Residential Flat Building at 140-142 Ocean Street, Narrabeen consisting of 11 apartments. The development will include a basement parking area with 22 spaces, three of which are designated for visitor parking. Vehicle and pedestrian access to the site will be provided from Ocean Street, consistent with existing conditions.

The traffic team has reviewed the following documents:

- Plans (master Set), prepared by PopovBass, revision 01, dated 10/02/2025.
- Traffic Impact Assessment report, prepared by TTPP transport planning, version V01, dated 10/02/2025
- The Statement of Environmental Effects, prepared by Minto Planning Services Town Planning Consultants, dated 19th February 2025

Comments

- The proposal involves the consolidation of two lots, the demolition of existing structures and the construction of a residential flat building comprising 11 apartments (1 two-bedroom apartment and 10 three-bedroom apartments) along with 22 car parking spaces.
- The Warringah DCP applies to the subject site. According to the DCP, the proposed development is required to provide a minimum of 19 residential car parking spaces and 3 visitor car parking spaces. The development satisfies the car parking requirements with the provision of total 22 spaces including 3 visitor spaces.
- While the car parking spaces for residents are located within the garage, the dimensions of the garages are not indicated. All car parking spaces must be designed in accordance with AS2890.1, and the dimensions should be clearly shown in the plans. This can be addressed as a condition.
- Garages No. 1, No. 3, and No. 10 are located next to a blind aisle. This aisle extends 1 meter beyond the eastern and western edges of these garages, ensuring that vehicles can enter and exit without excessive maneuvering. The dimensions should be included in the plans.
- Double garages should be available and assigned to individual residents.
- The proposal includes three disabled parking spaces within the garage. The height clearance for these spaces must be at least 2.5 meters, with a minimum height clearance of 2.3 meters along the ramp, in accordance with AS2890.6.

- Bicycle parking is provided within the garage for residents, and one visitor bicycle parking space is located on the ground floor near the entrance on the northern side. These bicycle parking spaces must be designed in line with AS2890.3:2015, and dimensions should also be included in the plans. This can be included as a condition.
- A two-way access driveway has been proposed on the southern side of the site (adjacent to house number 140). This driveway appears to be aligned with the location of the existing driveway. Any new driveway should be situated a minimum of 1 meter away from power poles, as per Ausgrid guidelines. Although it appears that the site plan allows for sufficient distance from the power pole, relevant dimensions must be included in the architectural plans.
- The access driveway is two-way at the entry but becomes one-way to the basement car park. A swept path analysis has been provided, demonstrating that the entering B85 vehicle will wait within the property to give way to the exiting B99 vehicle. The traffic report mentions that the proposed one-way ramp to the basement will be regulated by traffic signals, which will default to a green signal at the ground floor and a red signal at the basement. This arrangement is acceptable to Council; however, further details regarding the traffic signals will be a condition of approval.
- Some information is needed regarding how access will be controlled. Will it be managed through a card reader and a roller shutter door for the basement parking? If so, this should be included in the plans, and the access driveway should be widened at the appropriate location. This will be conditioned.
- The access ramp to the basement is straight for the first few meters before transitioning into a curved ramp. The design of this curved ramp must adhere to AS2890.1:2004 - Table 2.2 and Figure 2.9. All dimensions for the curved ramp, including the inner radius, outer radius, lane width, and width of the kerbs, should be specified in the architectural plans. This will also be addressed as a condition.
- A ground clearance plot should be provided along with a long section to demonstrate that scraping/bottoming will not occur at the driveway/road junction or at any point along the driveway and car park ramp with a B99 vehicle. This will be a condition of approval.
- According to the traffic report, waste collection and all loading and unloading activities for the proposed development will occur on-street on Ocean Street, utilising the available on-street parking. This has been deemed acceptable by Council.
- A pedestrian sight triangle of 2 metres by 2.5 metres, in accordance with AS2890.1:2004 (figure 3.3) is to be provided and shown on the plans at the vehicular access to the property boundary. This will be conditioned.
- The traffic report indicates that the proposed development will generate a net increase of up to 2 vehicle trips per hour during peak hours. This traffic generation has been estimated according to the latest "Guide to Transport Impact Assessment 2024." Council believes that this increase constitutes minor traffic generation and will not significantly impact the road network.
- It is brought to the developer's attention that Council has a proposal for a speed hump outside the subject site (outside house number 142) under the Safer Neighborhoods Program Narrabeen to Mona Vale.

The proposal is therefore supported.

Note: Should you have any concerns with the referral comments above, please discuss these with the Responsible Officer.

Recommended Traffic Engineer Conditions:

DEVELOPMENT CONSENT OPERATIONAL CONDITIONS

Fencing Height / Vegetation

All fencing and/or vegetation along the frontage road(s) shall not impede pedestrian or driver visibility. This requires that vegetation does not exceed one (1) metre in height. Appropriate plants shall be selected within the 2.0 x 2.5m splay to ensure this condition is met.

Reason: To ensure maximum vehicular and pedestrian visibility.

Staff and Contractor Parking

The applicant is to make provision for parking for all construction staff and contractors for the duration of the project. All Staff and Contractors are to use the basement parking once available. All necessary facilities are to be provided to accommodate this requirement including lighting in the basement, security cameras, etc.

Reason: To ensure minimum impact of construction activity on local parking amenity.

CONDITIONS TO BE SATISFIED PRIOR TO THE ISSUE OF THE CONSTRUCTION CERTIFICATE

Car Parking Standards

The driveway/access ramp grades, access and car parking facilities must comply with the Australian/New Zealand Standard AS/NZS 2890.1:2004 - Parking facilities - Off-street car parking. The dimensions of car parking bays and aisle widths in the car park are to comply with Australian/New Zealand Standard for Off-Street Parking AS/NZS 2890.1-2004.

Details demonstrating compliance with this condition are to be submitted to the Principal Certifier prior to the issue of a construction certificate.

Reason: To ensure compliance with Australian Standards relating to manoeuvring, access and parking of vehicles.

Car Parking Finishes

All driveways, car parking areas and pedestrian paths are to be surfaced and sealed. Details of treatment to these areas are to be submitted to the Principal Certifier prior to issue of the Construction Certificate.

Reason: To provide suitable stormwater disposal and to prevent soil erosion and runoff.

Vehicular Swept Paths

Vehicular manoeuvring paths must be provided to demonstrate all vehicles can enter or depart the site in a forward direction without encroaching on required car parking spaces. The drawings must be compliant with Australian/New Zealand Standard AS/NZS 2890.1:2004 - Parking facilities - Off-street car parking.

Details demonstrating compliance with this condition must be submitted to the Principal Certifier prior to the issue of the construction Certificate.

Reason: To ensure compliance with Australian Standards relating to manoeuvring, access and parking of vehicles.

Construction Traffic Management Plan

A Construction Traffic Management Plan (CTMP) and report shall be prepared by a Transport for NSW accredited person and submitted to Council via an application for a Permit to Implement Traffic Control. The application form can be accessed via

<https://www.northernbeaches.nsw.gov.au/council/forms>. Approval of the permit application by the Northern Beaches Council Traffic Team is required prior to issue of any Construction Certificate.

The CTMP must address following:

- The proposed phases of construction works on the site, and the expected duration of each construction phase.
- The proposed order in which works on the site will be undertaken, and the method statements on how various stages of construction will be undertaken.
- Make provision for all construction materials to be stored on site, at all times.
- The proposed areas within the site to be used for the storage of excavated materials, construction materials and waste containers during the construction period.
- The proposed method of access to and egress from the site for construction vehicles, including access routes and truck routes through the Council area and the location and type of temporary vehicular crossing for the purpose of minimising traffic congestion and noise in the area, with no access across public parks or reserves being allowed.
- Where access is required across private property not in the direct ownership of the proponent, such as a private road/driveway, community title road or right of way, the CTMP is to include:
 - Evidence of the legal right and terms to use the access route or provide owners consent from the owners/strata/community association.
 - Demonstrate that direct access from a public space/road is not viable for each stage of works.
 - An assessment to be carried out of the physical constraints of the Right of Carriageway to determine the maximum size of vehicle that may access the site via the Right of Carriageway during construction.
 - Unless owner/strata/community associations consent is obtained, vehicles are not to exceed 24 tonnes or 7.5 metres in length (an assessment must be undertaken that the surface is capable of supporting up to 24 tonnes, otherwise the weight limit should be reduced in the CTMP). If consent is obtained, a copy must be included in the CTMP.
 - No construction vehicles, materials or plant are to be located or parked in the private road/driveway, community title road or right of way.
 - How any disruption to other users of the private road/driveway, community title road or right of way will be minimised and all users kept informed of likely disruption where the access will be closed or blocked for any given time.
 - If trees are located within or overhang the access route, a tree protection plan prepared by an Arborist with minimum AQF Level 5 in arboriculture demonstrating how any trees within the Right of Carriageway will be protected from damage by construction vehicles. Should any tree protection measures be required on private land in accordance with AS4970-2009 Protection of trees on development sites, owner's consent must be obtained.
 - A Dilapidation report, including photographic surveys, of the private road/driveway/right of way must be included prior to any works commencing on the site. The report must detail the physical condition of the private road/driveway/right of way, and any other adjacent private property assets (including trees) or adjacent public property that may be adversely affected by vehicles servicing the development site to undertake works or activity during site works.
 - A requirement for Post-Construction Dilapidation Reports, including photos of any damage evident at the time of inspection, to be submitted after the completion of works and prior to the Occupation certificate. The report must:
 - Compare the post-construction report with the pre-construction report,

- Clearly identify any recent damage or change to the private road/driveway/right of way and whether or not it is likely to be the result of the development works,
 - Should any damage have occurred, identify remediation actions taken.
 - Be submitted to Council with the Occupation Certificate.
- The proposed method of loading and unloading excavation and construction machinery, excavation and building materials, formwork and the erection of any part of the structure within the site. Wherever possible mobile cranes should be located wholly within the site.
 - Make provision for parking onsite. All Staff and Contractors are to use any basement parking once available.
 - Temporary truck standing/ queuing locations in a public roadway/ domain in the vicinity of the site are not permitted unless approved by Council prior.
 - Due to the proximity of the site adjacent St Joseph's Primary school, no heavy vehicle movements or construction activities effecting vehicle and pedestrian traffic are permitted in school zone hours (8:00am-9:30am and 2:30pm-4:00pm weekdays).
 - Include a Traffic Control Plan prepared by a person with suitable RMS accreditation for any activities involving the management of vehicle and pedestrian safety.
 - The proposed manner in which adjoining property owners will be kept advised of the timeframes for completion of each phase of development/construction process. It must also specify that a minimum Fourteen (14) days notification must be provided to adjoining property owners prior to the implementation of any temporary traffic control measure.
 - Include a site plan showing the location of any site sheds, location of requested Work Zones, anticipated use of cranes and concrete pumps, structures proposed on the footpath areas (hoardings, scaffolding or shoring) and any tree protection zones around Council street trees.
 - Take into consideration the combined construction activities of other development in the surrounding area. To this end, the consultant preparing the CTMP must engage and consult with developers undertaking major development works within a 250m radius of the subject site to ensure that appropriate measures are in place to prevent the combined impact of construction activities, such as (but not limited to) concrete pours, crane lifts and dump truck routes. These communications must be documented and submitted to Council prior to work commencing on site.
 - The proposed method/device to remove loose material from all vehicles and/or machinery before entering the road reserve, any run-off from the washing down of vehicles shall be directed to the sediment control system within the site.
 - Specify that the public roadway (including footpath) must be kept in a serviceable condition for the duration of construction. At the direction of Council, undertake remedial treatments such as patching at no cost to Council.
 - The proposed method of support to any excavation adjacent to adjoining properties, or the road reserve. The proposed method of support is to be designed and certified by an appropriately qualified and practising Structural Engineer, or equivalent.
 - Proposed protection for Council and adjoining properties.
 - The location and operation of any on site crane.

The CTMP shall be prepared in accordance with relevant sections of Australian Standard 1742 – “Manual of Uniform Traffic Control Devices”, RMS’ Manual – “Traffic Control at Work Sites”.

All fees and charges associated with the review of this plan is to be in accordance with Council’s Schedule of Fees and Charges and are to be paid at the time that the Construction Traffic Management Plan is submitted.

A copy of the approved CTMP must be kept on-site at all times while work is being carried out.

The development is to be undertaken in accordance with the Construction Traffic Management Plan approved by Northern Beaches Council Traffic Team.

Reason: To ensure public safety and minimise any impacts to the adjoining pedestrian and vehicular traffic systems.

Removal of Redundant Driveways

All redundant driveways shall be removed and reinstated to Council standard kerb and gutter. Suitably prepared plans shall be submitted to for an approval under and approved by Council prior to the issue of the Construction Certificate. All costs associated with the works shall be borne by the applicant.

A plan checking fee (amount to be advised) and lodgement of a performance bond may be required from the applicant prior to the release of the approval.

Also, it should be noted that Council has proposal for a speed hump outside house number 142 under Safer Neighbourhoods Program Narrabeen to Mona Vale.

Reason: To maximise on street car parking by removing driveways that are no longer needed in accordance with Council policy.

Vehicle Access & Parking

All internal driveways, vehicle turning areas, garages and vehicle parking space dimensions must be designed and constructed to comply with the relevant section of AS 2890 (Off-street Parking standards).

With respect to this, the following revision(s) must be undertaken;

- All internal driveways and vehicle access ramps must have ramp grades and transitions complying with AS 2890.1. To ensure the gradient requirements and height clearances are satisfied, a driveway profile must be prepared for all internal ramps showing ramp lengths, grades, surface RL's and overhead clearances, taken from the crest of the ramp to the base. The driveway profile must be taken along the steepest grade of travel or sections having significant changes in grades, where scraping or height restrictions could potentially occur and is to demonstrate compliance with AS 2890 for the respective type of vehicle.
- Garages No. 1, No. 3, and No. 10 are located next to a blind aisle. This aisle extends 1 meter beyond the eastern and western edges of these garages, ensuring that vehicles can enter and exit without excessive maneuvering. The dimensions are to be included in the plans.
- Some information is required regarding how access will be controlled. Will it be managed through a card reader and a roller shutter door for the basement parking? If so, this should be included in the plans, and the access driveway should be widened at the appropriate location.

Plans prepared by a suitably qualified Engineer shall be submitted to the Principal Certifier prior to the issue of a Construction Certificate.

Reason: To ensure compliance with Australian Standards relating to manoeuvring, access and parking of vehicles.

On-Street Work Zone

The applicant shall lodge an application for a work zone for the frontage of the site to Council for consideration and approval. The provision of a work zone will require approval from Northern Beaches Local Traffic Committee. Application forms for work zones are available on Council's website. Applications shall be lodged at least 4 weeks prior to work commencing.

An application must be lodged with Council for consideration and approval for a work zone for the frontage of the site.

The provision of a work zone will require approval from Northern Beaches Local Traffic Committee. Applications must be lodged at least four (4) weeks prior to work commencing.

Reason: To ensure works vehicles do not impact on parking, traffic flows and pedestrian thoroughfares.

Pedestrian sight distance at property boundary

A pedestrian sight triangle of 2.0 metres by 2.5m metres, in accordance with AS2890.1:2004 is to be provided at the vehicular access to the property and where internal circulation roadways intersect with footpaths or other pedestrian access areas.

Details demonstrating compliance are to be submitted to the Principal Certifier prior to the issue of the Construction Certificate.

Reason: To maintain pedestrian safety.

CONDITIONS THAT MUST BE ADDRESSED PRIOR TO ANY COMMENCEMENT

Demolition Traffic Management Plan

As a result of the site constraints, limited vehicle access and parking, a Demolition Traffic Management Plan (DTMP) and report shall be prepared by a Transport for NSW accredited person and submitted to Council via an application for a Permit to Implement Traffic Control. The application form can be accessed via <https://www.northernbeaches.nsw.gov.au/council/forms>. Approval of the permit application by the Northern Beaches Council Traffic Team is required prior to issue of any Construction Certificate.

Due to heavy traffic congestion throughout the area, truck movements will be restricted during the major commuter peak times being 8.00-9.30am and 4.30-6.00pm.

The DTMP must:-

- Make provision for all construction materials to be stored on site, at all times.
- The DTMP is to be adhered to at all times during the project.
- Specify construction truck routes and truck rates. Nominated truck routes are to be distributed over the surrounding road network where possible.
- Provide for the movement of trucks to and from the site, and deliveries to the site. Temporary truck standing/ queuing locations in a public roadway/ domain in the vicinity of the site is not permitted unless prior approval is granted by Council's Traffic Engineers.
- Specify that, due to the proximity of the site adjacent to St Joseph's Primary School, no heavy vehicle movements or construction activities effecting vehicle and pedestrian traffic are permitted in school zone hours (8:00am-9:30am and 2:30pm-4:00pm weekdays).
- Include a Traffic Control Plan prepared by an TfNSW accredited traffic controller for any activities involving the management of vehicle and pedestrian traffic.
- Specify that a minimum fourteen (14) days notification must be provided to adjoining property owners prior to the implementation of any temporary traffic control measures.
- Include a site plan showing the location of any site sheds, location of requested Work Zones, anticipated use of cranes, structures proposed on the footpath areas (hoardings, scaffolding or temporary shoring) and extent of tree protection zones around Council street trees.

- Take into consideration the combined construction activities of other development in the surrounding area. To this end, the consultant preparing the DTMP must engage and consult with developers undertaking major development works within a 250m radius of the subject site to ensure that appropriate measures are in place to prevent the combined impact of construction activities. These communications must be documented and submitted to Council prior to work commencing on site.
- Specify spoil management process and facilities to be used on site.
- Specify that the roadway (including footpath) must be kept in a serviceable condition for the duration of demolition. At the direction of Council, the applicant is to undertake remedial treatments such as patching at no cost to Council.

The DTMP shall be prepared in accordance with relevant sections of Australian Standard 1742 – “Manual of Uniform Traffic Control Devices”, RMS’ Manual – “Traffic Control at Work Sites”.

All fees and charges associated with the review of this plan is to be in accordance with Council’s Schedule of Fees and Charges and are to be paid at the time that the Demolition Traffic Management Plan is submitted.

Reason: This condition is to ensure public safety and minimise any impacts to the adjoining pedestrian and vehicular traffic systems. The DTMP is intended to minimise impact of construction activities on the surrounding community, in terms of vehicle traffic (including traffic flow and parking) and pedestrian amenity adjacent to the site.

CONDITIONS TO BE COMPLIED WITH DURING DEMOLITION AND BUILDING WORK

Implementation of Demolition Traffic Management Plan

All works and demolition activities are to be undertaken in accordance with the approved Demolition Traffic Management Plan (DTMP). All controls in the DTMP must be maintained at all times and all traffic management control must be undertaken by personnel having appropriate TfNSW accreditation. Should the implementation or effectiveness of the DTMP be impacted by surrounding major development not encompassed in the approved DTMP, the DTMP measures and controls are to be revised accordingly and submitted to Council for approval. A copy of the approved DTMP is to be kept onsite at all times and made available to the accredited certifier or Council on request.

Reason: To ensure compliance and Council’s ability to modify the approved Construction Traffic Management Plan where it is deemed unsuitable during the course of the project.

Implementation of Construction Traffic Management Plan

All works and construction activities are to be undertaken in accordance with the approved Construction Traffic Management Plan (CTMP). All controls in the CTMP must be maintained at all times and all traffic management control must be undertaken by personnel having appropriate TfNSW accreditation. Should the implementation or effectiveness of the CTMP be impacted by surrounding major development not encompassed in the approved CTMP, the CTMP measures and controls are to be revised accordingly and submitted to Council for approval. A copy of the approved CTMP is to be kept onsite at all times and made available to Council on request.

Reason: To ensure compliance of the developer/builder in adhering to the Construction Traffic Management procedures agreed and are held liable to the conditions of consent.

CONDITIONS WHICH MUST BE COMPLIED WITH PRIOR TO THE ISSUE OF THE OCCUPATION CERTIFICATE

Basement Garage Traffic Signal System

To prevent conflicting vehicle flows on the internal basement garage ramp and avoid vehicles having to reverse up/ down the ramp, a traffic signal system must be installed at each ramp entry, designed to warn drivers about to enter the road of any conflicting vehicle approaching.

The signal system must;

- be clearly visible from ramp entrances,
- is to clearly indicate to an approaching driver, by way of red light or wording, that an opposing vehicle has entered the ramp,
- Incorporate linemarking to delineate traffic flow and nominate waiting bay locations to allow vehicles to overtake another.

Details of the system, including the system operation, components and placement within the development, must be specified by a practising Traffic Engineer. This engineer is to submit a compliance certificate to the Principal Certifier that the system has been installed and operating as designed, in accordance with the requirements of this condition, prior to the issue of an Occupation Certificate issued for the development.

Reason: To ensure no vehicle conflicts within the basement carpark.

Allocation of parking spaces (strata title)

Double garages are to be assigned to individual units. Details demonstrating compliance are to be submitted to the Principal Certifier prior to the issue of any Occupation Certificate.

Reason: To ensure parking availability for residents in accordance with section C3 of Warringah Council's Development Control Plan.

Disabled Parking Spaces

Where disabled parking spaces are provided they must be in accordance with AS2890.6:2009.

Details demonstrating compliance are to be submitted to the Principal Certifier prior to the issue of any Occupation Certificate.

Reason: To ensure compliance with Australian Standards.

Shared Zone Bollard

A bollard is to be provided at the shared zone between disabled spaces in accordance to Australian Standards AS2890.6:2009.

Details demonstrating compliance are to be submitted to the Principal Certifier prior to the issue of any Occupation Certificate.

Reason: To ensure compliance with Australian Standards.

ON-GOING CONDITIONS THAT MUST BE COMPLIED WITH AT ALL TIMES**Sight lines within carparks**

The required sight lines to pedestrians and other vehicles in and around the carpark and entrance(s) are not to be obstructed by landscaping or signage.

Reason: To maintain unobstructed sight distance for motorists.