

Appendix C - Mitigation Measures Table

1 and 1a Edward Street and 25 and 27 Rosedale Road, Gordon

Table 1: Consolidated List of Mitigation Measures

SEAR No.	Detail
Mitigation Measures – Required as Conditions to address Residual Impacts	
SEAR 9 – Transport	• Prior to the commencement of works, prepare a Detailed Construction Traffic Management Plan, detailing: ○ The proposed construction access routes; ○ Indicative construction program; ○ Expected construction vehicle types and volumes; ○ Car parking arrangement and site access during construction; and ○ Safety measures to minimise impacts to pedestrians and cyclists • Construction hours of operation are to be in accordance with Ku-ring-gai Council's standard hours as follows: ○ Monday to Friday – 7:00am to 6:00pm ○ Saturday – 8:00am to 1:00pm ○ Sunday / Public Holiday – No building activities
SEAR 10 – Noise and Vibration	<u>Prior to the commencement of works:</u> • Prepare a Noise and Vibration Management Plan • Select the quietest plant/activity available (or retrofit acoustic treatment to the plant such as residential class mufflers) to minimise any risk of exceeding the recommended construction noise levels. • If any residual exceedances, investigate the use of additional barriers to screen the affected receivers. Barriers should be constructed (or otherwise provided using site sheds, hoardings, etc) along the eastern and western boundary of the site. The barriers should be generally imperforate and constructed of plywood, or other similar material. It is noted it may not be practical to install a barrier to the site access gate to the site. • If any remaining residual significant exceedances, investigate time restrictions (e.g. avoiding loud early morning works at the residences) and respite periods and notify affected receivers when works likely to exceed the recommended construction noise levels is likely to occur. • As much as practical, use of quieter excavation methods should be adopted such as ripping, and slow pressure and speed of boring drill if ground conditions permit. • Excavation is to be conducted through the use of an excavator with a bucket where feasible as this would be the quietest excavation method. Ripping techniques should also be adopted when operating close to structures in the event that vibration management levels are exceeded. • Concrete pump trucks should generally be located within the bounds of the site. • Vibration monitoring is recommended at the eastern and southern boundaries of receivers during the following activities:

SEAR No.	Detail
	○ Hydraulic hammering ○ Piling • Precise monitoring locations are to be determined during installation and monitors are to be moved periodically where feasible to align with the progress of works so that the monitor location represents the worst affected locations.
SEAR 12 – Ground and Water Conditions	Excavation • All excavated material transported off site should be classified in accordance with NSW EPA 2014 - Waste Classification Guideline Part 1; Classifying Waste. • A suitably qualified geotechnical engineer is to assess the condition of exposed material at foundation or subgrade level to assess the ability of the prepared surface to act as a foundation or as a subgrade. • Observation of the material within pile excavations should be undertaken at the start of piling works to confirm that material across the site is in accordance with the geotechnical model presented in this report. • Regular inspections of battered and unsupported excavations, where proposed, to confirm geotechnical conditions and to assess the suitability of design assumptions and to provide further advice with regards to excavation retention/ support and proposed construction methodologies, if required. Groundwater • The Water Discharge Methodology in Section 6 of the Dewatering Management Plan must be followed. • Groundwater readings are to be taken at a minimum of three monitoring wells during construction. • During excavation works, water quality samples from the discharged water will be tested according to the frequency outlined in Table 4 of the Dewatering Management Plan. • A record of groundwater taken under exemption is a condition of the Water Supply Works Approval and will be submitted when or before approval is surrendered.
SEAR 13 – Contamination and Remediation	• Prepare an unexpected finds protocol. • A full hazardous materials assessment will be undertaken prior to demolition works. Where any hazardous materials have been identified, they are to be removed and managed in accordance with SafeWork and any other relevant statutory requirements or recommendations of the Hazmat assessment.
SEAR 14 – Trees and Landscaping	• Protection of retained trees: Tree protection measures as per the AIA are to be installed, certified by the project arborist and inspected at regular intervals. • Installation of tree protection, mulch within remaining TPZ, and additional water during hot months is to be undertaken • Prior to and during construction, the mitigation measures outlined in Ezigrow's Arboricultural Impact Appraisal and Method Statement are to be implemented.
SEAR 15 – Ecologically Sustainable Development	• The development should achieve compliance with Compliance with requirements for NCC/BCA Section J 2022 and BASIX Energy, Water and Thermal Comfort Targets as minimum of: ○ 60% Energy

SEAR No.	Detail
	○ 40% Water ○ Pass Thermal comfort
SEAR 16 – Biodiversity	• Judicious use of lighting that maximises the buildings' visibility to Flying-foxes. • Implementation of a planting palette that does not include tree or vine species that provide desirable foraging resources to Grey-headed flying-foxes, such as local trees with high quality blossoms (e.g. Eucalyptus saligna Sydney Blue Gum) or soft fruit (e.g. Ficus rubiginosa Post Jackson Fig). • Adoption of a management strategy that provides guidance regarding handling of sick or injured Flying-foxes. Only suitably experienced and vaccinated personnel are to handle sick or injured animals. • Provision of educational material to residents advising of the need for slow and careful driving particularly around dawn and dusk. • The pamphlet/information poster is also to be placed in a prominent location in the parking basement levels. • This material will also emphasise that only suitably experienced and vaccinated personnel are to handle sick or injured animals. • Clearing to be conducted under ecological supervision. Adaptive management strategies to be employed such as pre-clearing surveys, relocation of individuals, care for injured wildlife, and euthanasia of feral species in accordance with appropriate licences and approvals. • The Landscape Plan to rely on planting species consistent with those that occur naturally in Blue Gum High Forest or those that are not known to have weed potential. Note that trees attractive to Grey-headed Flying-foxes are not to be used. • Regular sweeps for weeds and low impact controls to be implemented per the Landscape Plan and scheduled maintenance. • The Landscape Plan not to rely heavily on species (e.g. Grevillas) known to favour Noisy Miners. • Install external lighting only where necessary for safety. • Prohibit external uplights, lights directed into the retained trees, or any bright lighting that spills into nearby bushland, other than the required to make the building maximally visible to Flying-foxes. • Standard hygiene controls are to be observed as part of the civil management works plan. • All plant material to be introduced to the site must be certified as disease-free. • Weeds arising from this potential impact to be controlled by actions detailed in the Landscape Plan and as part of ongoing maintenance. • A carefully chosen planting palette using native species will require fewer chemical inputs. Therefore, it is important that the planting list in the Landscape Plan is appropriate to serve to mitigate this potential impact at its source.
SEAR 17 – Waste Management	• Prior to commencement of works, ensure the demolition and construction waste management measures in the Waste Management Plan prepared by Dickens Solutions, are detailed in the environmental management plan for the construction works.

SEAR No.	Detail
	• Prior to occupation, ensure waste management measures are in place in accordance with the Waste Management Plan prepared by Dickens Solutions.
SEAR 18 – Social Impact	• A Construction Traffic Management Plan will be prepared. • Engagement with potentially affected receivers during construction will be undertaken. • Any social impacts from the construction will be mitigated by suitable construction measures and the adoption of the recommendations of the accompanying technical reports (and standard conditions of consent).
SEAR 21 – Aboriginal Cultural Heritage	Discovery of unanticipated Aboriginal objects • Should any Aboriginal objects be encountered during works associated with this proposal, works must cease in the vicinity, and the find should not be moved until assessed by a qualified archaeologist. If the find is determined to be an Aboriginal object, the archaeologist will provide further recommendations. These may include notifying Heritage NSW and Aboriginal stakeholders. Discovery of Aboriginal Ancestral Remains • If any suspected human remains are discovered during any activity, you must: immediately cease all work at that location and not further move or disturb the remains. Notify the NSW Police and Heritage NSW Environmental Line on 131 555 as soon as practicable and provide details of the remains and their location. • Not recommence work at that location unless authorised in writing by Heritage NSW.