



Westlink M7 Widening

Division 5.2 Approval

Consistency assessment report (minor)

M4 Northbound Off Ramp Boundary
Adjustments

Transport for NSW | November 2024

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Revision	Date	Prepared by	Reviewed by
A	11/10/2024		
B	30/10/2024		
C	08/11/2024		

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1. Introduction

1.1 Background

Transport for NSW (Transport) completed an environmental assessment for the construction and operation of the Western Sydney Orbital in 2002 (the Approved Project). Approval was granted on 28 February 2002 under Division 4, Part 5 of the *Environmental Planning and Assessment Act 1979* (NSW) (EP&A Act) (DPE reference number SSI-663). The Environmental Impact Statement (EIS) (Roads and Transport Authority (RTA), 2000) identified a range of environmental, social, and planning issues associated with the construction and operation of the Approved Project and outlined measures to mitigate and manage those potential impacts.

The EIS was publicly exhibited between January 2001 and March 2001. Following public exhibition, submissions from stakeholders were received and addressed by Transport in the Submissions Report. Construction activities commenced in 2003, and the Western Sydney Orbital opened to traffic in December 2005.

By Order of the Minister for Planning, the original approval for the Western Sydney Orbital (now known as the Westlink M7) was made subject to the current State Significant Infrastructure (SSI) provisions of the EP&A Act (Division 5.2, Part 5) on 26 April 2019. As such, the Westlink M7 is considered to be State Significant Infrastructure under the EP&A Act.

Six modifications to the Approved Project have been approved, as follows:

- Modification 1: Approved 19 June 2003 under the then section 115BAA of the EP&A Act to correct several minor misdescriptions in the Conditions of Approval (CoA) relating to pre-construction requirements, and to clarify the timing of stormwater management requirements
- Modification 2: Approved 4 May 2004 under the then section 115BAA of the EP&A Act to correct several minor errors resulting in inconsistencies between CoA
- Modification 3: Approved 25 August 2004 under the then section 115BAA of the EP&A Act to correct a minor error resulting in an inconsistency between CoA and to correct references to the Minister
- Modification 4: Approved 24 January 2006 under the then section 75W of the EP&A Act to delete condition 115(a), requiring the grade separated pedestrian/bicycle access (shared path) within the road reserve at Mavis Street, Rooty Hill (incorporating Angus Creek crossing and access to Aquilina Reserve), thus removing this access point
- Modification 5: Approved 18 July 2019 under section 5.25 of the EP&A Act to delete condition 66 which prohibits commercial advertising within the road reserve
- Modification 6: Approved 17 February 2023 under section 5.25 of the EP&A Act to construct and operate an additional lane in both directions within the existing Westlink M7 median from Prestons to Oakhurst/Glendenning, excluding at the Westlink M7/M4 Motorway (Light Horse) Interchange (M7 Widening).

The approval of Modification 6 incorporated revised conditions of approval (CoA). Modification 6 (referred to herein as M7 Widening) must be carried out in accordance with the CoA as described in CoA 1A and generally in accordance with the Westlink M7 Widening Modification 6 Report (Modification Report) (August 2022) and Westlink M7 Widening Submissions Report (November 2022).

For the purposes of this consistency assessment, the Approval issued by the NSW Minister for Planning for the M7 Widening is referred to as the Division 5.2 Approval.

For the purposes of this consistency assessment, the Modification Report, the Submissions Report and subsequent consistency assessments are considered together to be the relevant M7 Environmental Assessment Documentation (M7 EAD).

Since approval of Modification 6, minor boundary discrepancies have been identified along the M4 North

bound Off Ramp that will impact the relocation of the tolling gantry and the establishment of an Ancillary Facility in Zone C-1.

1.2 M7 Widening description

The implementation of the M7 Widening would permit the addition of a trafficable lane in both directions of the Westlink M7 between Prestons and Oakhurst/Glendenning, excluding at the Westlink M7/M4 Motorway (Light Horse) Interchange.

The M7 Widening would include the following key features:

- Widening of the motorway into the existing median for a length of about 26 kilometres along the Westlink M7, from about 140 metres south of the Kurrajong Road overhead bridge at Prestons (southern end) to the Richmond Road interchange in Oakhurst/Glendenning (northern end), excluding at the Westlink M7/M4 Motorway (Light Horse) Interchange
- Widening the exit from the Westlink M7 northbound onto the M4 Motorway westbound from one lane to two lanes
- Widening of 43 existing northbound and southbound bridges on the Westlink M7 at 23 locations within the centre median, and on the outside of the bridges on the approach to the M4 Motorway from Old Wallgrove Road
- Upgrades, additions and modifications to noise walls
- Utility works and upgrades to drainage
- Intelligent Transport System (ITS) installations, adjustments and relocations to cover the new lane configurations.

The following activities would be required to facilitate construction of the M7 Widening:

- Establishment of 'zone' construction ancillary facilities within and adjacent to Westlink M7 for stockpiling, construction support at bridge and median widening locations, project offices and compounds, as well as 'site' ancillary facilities within the existing motorway alignment
- Vegetation clearing within the median/widening areas and within construction ancillary facilities (including for construction access)
- Demolition of existing structures and infrastructure within the widening areas
- Provision of temporary water management infrastructure including the maintenance of stormwater drainage and establishment of waterway crossings and diversions
- Utility works within Westlink M7 and adjoining roads, particularly around existing motorway bridge sub-structures
- Earthworks for bridge and road widening within the existing median, and placement and compaction of fill material likely to result in a net amount of spoil material
- Bridge widening including establishment of sub-structures such as piles, abutments, piers and headstocks and super-structures including beams, girders, decks and barriers
- Pavement widening works within the road median
- Finishing works including asphaltting the carriageway surface, line marking, signage, permanent barriers and median infill, installation of communications infrastructure and landscaping treatments.

1.3 Purpose of consistency assessment

The purpose of this consistency assessment is to:

- Describe the Proposed Change relative to the Division 5.2 Approval
- Assess the environmental impacts associated with the Proposed Change relative to the Division 5.2 Approval

- Determine if the Proposed Change is consistent with the Division 5.2 Approval or whether further approval is required either for a modification application or a new project.

2. Proposed Change

2.1 Description of Proposed Change

John Holland is seeking two changes to Division 5.2 Approval, boundary adjustments of Ancillary Facility Zone C-1 (Zone C-1) and the M4 Northbound Off Ramp Gore Section (Gore Section), and hereby referred to as the Proposed Change (refer to Figure 1). These changes are required to progress the relocation of the M4 Northbound Offramp tolling gantry sign and to facilitate the establishment of an Ancillary Facility in Zone C-1. The works subject to the Proposed Change will not commence until this consistency assessment is approved by TfNSW and all other non-environmental and environmental obligations are fulfilled under the Contract.

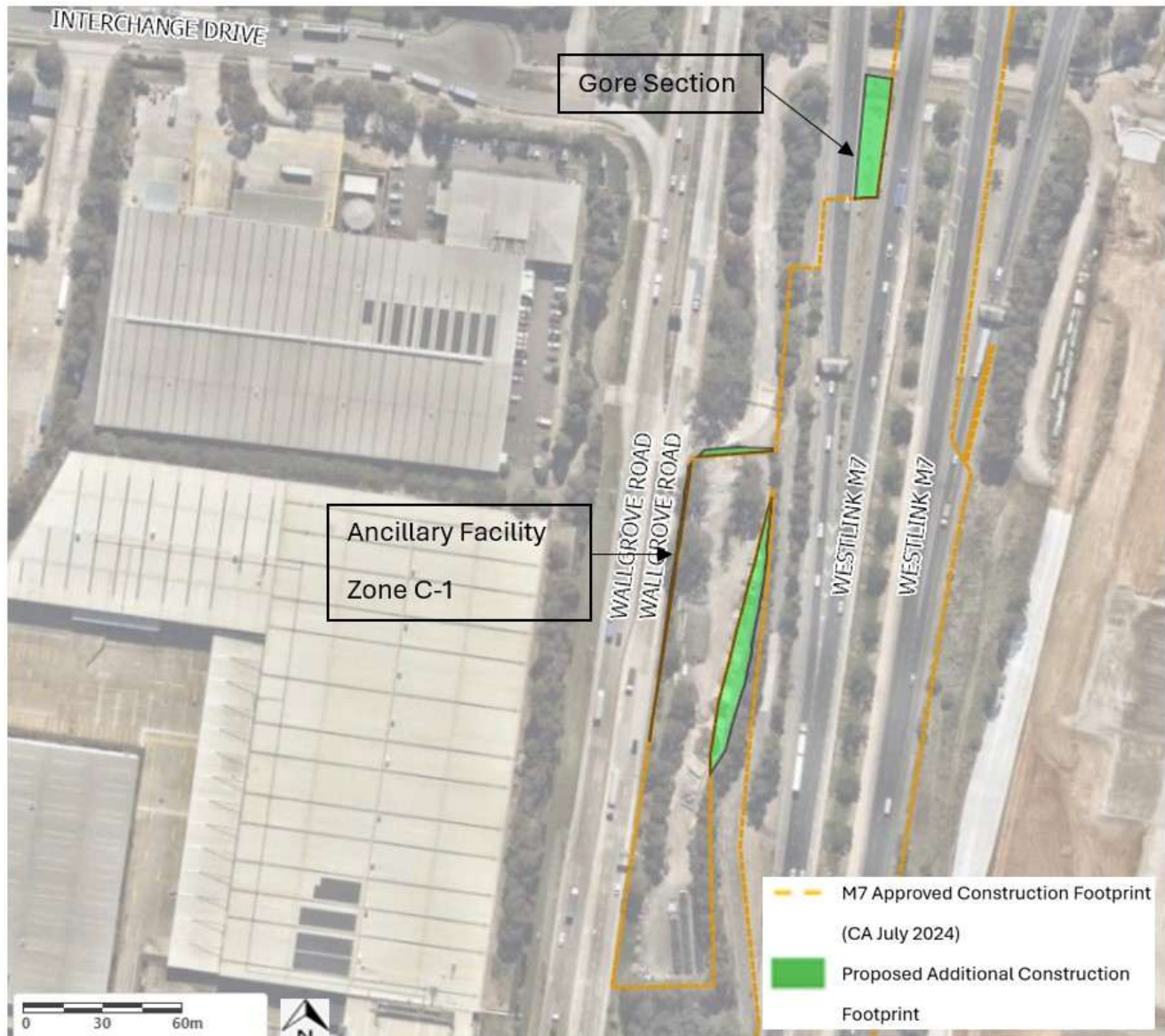


Figure 1: Boundary adjustments for approval within Zone C-1 and the M4 Northbound Off Ramp.

Boundary adjustment of Zone C-1

As part of the construction works for M7 Widening, John Holland is establishing a construction Ancillary Facility in Zone C-1, which is located adjacent to Wallgrove Road, Eastern Creek (south of Interchange Drive) (refer to Figure 1). Zone C-1 is an approved Ancillary Facility under the Westlink M7 Widening Modification 6 and the project Construction Environmental Management Plan (M712UDC-JHGRP-M7A-EN-PLN-000071). Zone C-1 consists of land owned by TfNSW which is currently leased to and being utilised by maintenance contractors for the purposes of laydown of materials. Upon inspection of the site, it was identified that the boundary assessed within Modification 6 did not align with the property boundary fence line. Therefore, John Holland is seeking that the approved construction footprint be amended to align with the property boundary fence line. The property boundary fence line extends around the entire perimeter of Zone C-1. Amendment to the approved construction footprint to align with the property boundary fence line would be to the Northern, Eastern and Western extent of Zone C-1. The Proposed Change to the construction footprint are detailed in Figure 2 below.

There are no physical works under this scope in the Proposed Change, it is strictly an administrative change to align the Approved Construction Boundary to the pre-existing fence line (refer to Figure 2). The site will be utilised in its existing condition for the purposes of laydown, parking and site facilities. No vegetation is to be removed within Zone C-1. Tree protection zones will be installed around mature trees located within the Northern extent of Zone C-1 and an Environmental Protection Zone instated around existing PCT 849 Low (Cumberland Plain Woodland in the Sydney Basin Bioregion) (refer to Appendix D).



Figure 2: Boundary amendment of Zone C-1

Boundary adjustment of Gore Section

To construct one of the M4 Northbound Off Ramp toll gantry footings, access is required into the Gore Section between the offramp and Westlink M7 Motorway (refer to Figure 3). To gain access into the Gore Section, a slip lane is to be constructed from the M7 northbound slow lane to allow trucks safe entry into site. To comply with Traffic Management Plan Stage 2, crash mitigation measures including barriers and a cushion must be installed in a location that extends past the approved construction footprint (refer to Figure 3). This includes minor earthworks required to level the site for vehicle access whereby 100mm of topsoil will be removed and replaced with DGB fill. The location of the crash mitigation measures cannot be moved within the construction footprint due to conflicts with existing drainage and encroachment into the gantry footing work zone (refer to Figure 3 and Appendix B). John Holland is proposing to extend the construction footprint to the palisade fencing located on the southern abutment of an unnamed road to ensure ample space to construct the crash mitigation measures and allow storage of materials etc used in construction. This additional 450m² of land is an uneven shape that is approximately 50m long and 15m wide. It should be noted that the scope of works being performed under the Proposed Change is not a new activity, it has been accounted for in the M7 EAD.

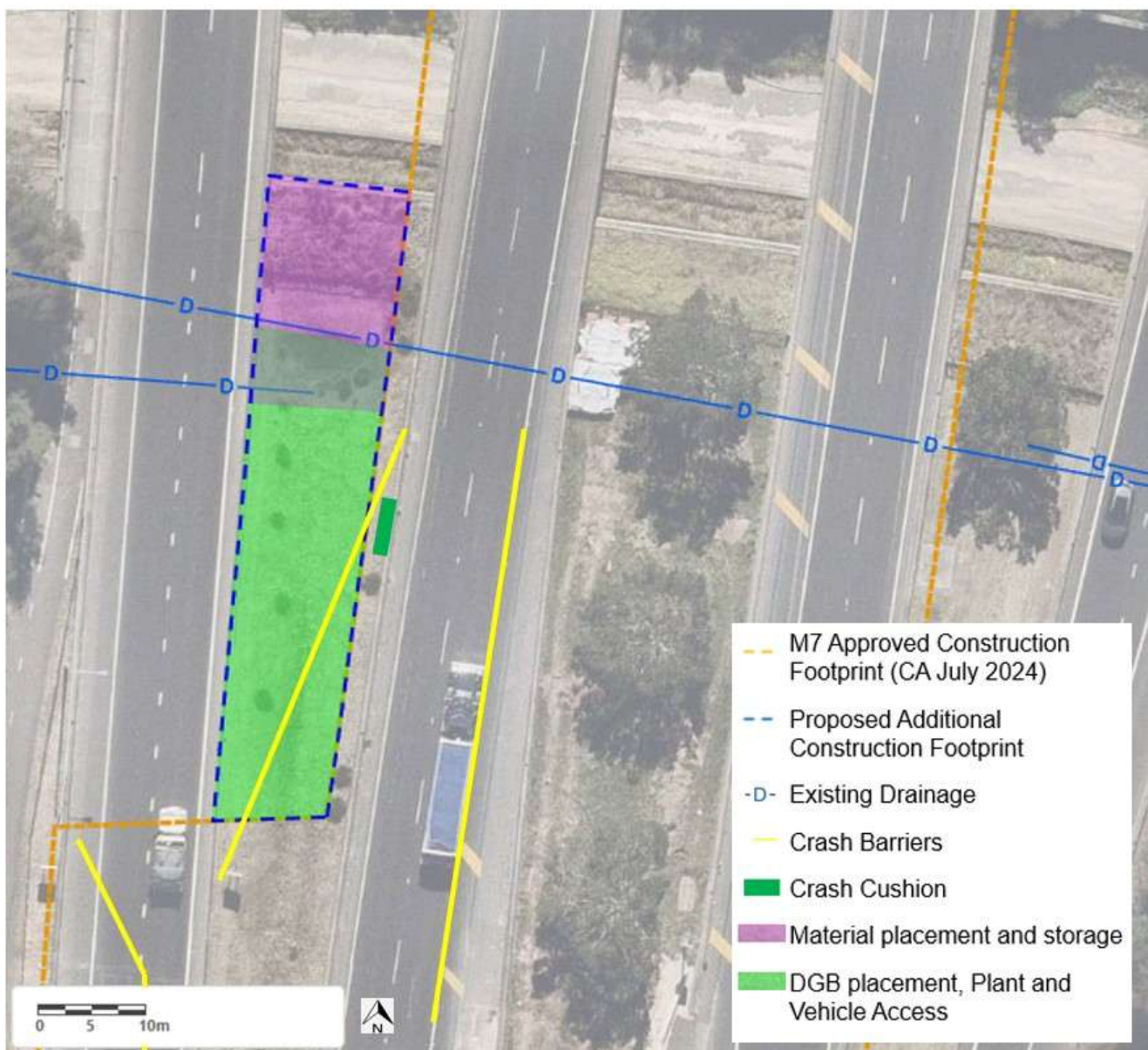


Figure 3: Indicative Layout Plan for Gore Section

2.2 Construction methodology and equipment

Boundary adjustment of Zone C-1

There are no construction activities associated with this scope. Zone C-1 is an approved Ancillary Facility within the Construction Environmental Management Plan (CEMP). The site is predominantly pre-existing hardstand and no construction activities are required for establishment as a direct result of the Proposed Change. Regardless, establishment of Zone C-1 would generally include:

- Material laydown and storage of materials
- Waste and chemical storage
- Plant and vehicle laydown/parking
- Establishment of a temporary site shed
- Establishment of temporary amenities
- Establishment of ATF fencing and Tree Protection Zones (refer to Figure 4)

The Ancillary Facility is within close proximity to M4 Northbound off ramp works and will be predominately used to facilitate the works by the storage of plant, material and equipment (refer to Figure 4). Therefore, the hours in which the approved Ancillary Facility is utilised will be subject to works within the M4 Northbound Off Ramp and the M7 Alignment. The North West Roads Group have been consulted regarding the layout plan of Zone C-1 and activities to be conducted within this area. If any additional land is required within Zone C-1, the North West Roads Group will be consulted and an agreement reached.

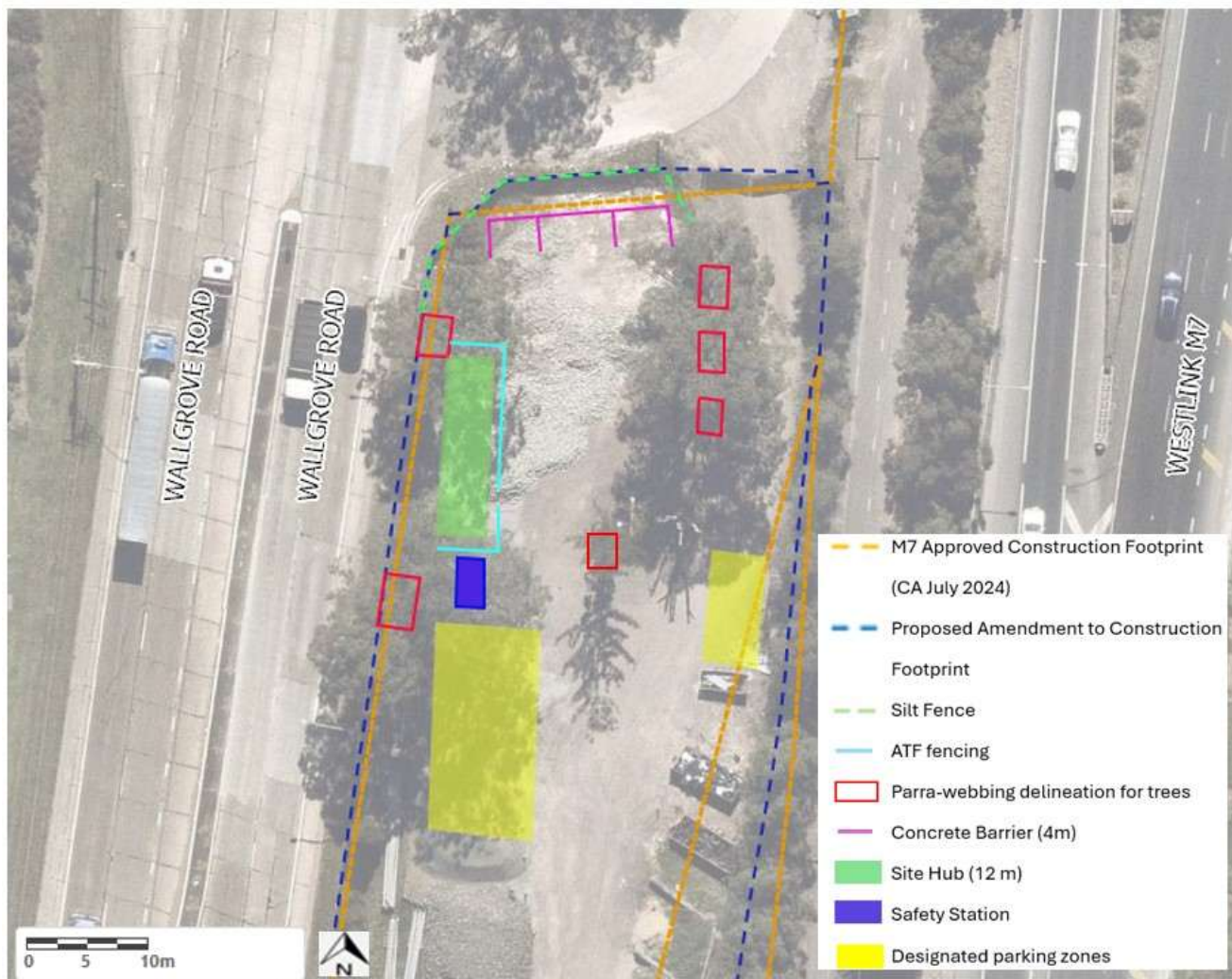


Figure 4: Indicative layout plan of Zone C-1

Boundary adjustment of Gore Section

Detailed site plans are included in Appendix A. Works within the Gore Section would generally include:

- Installation of temporary crash barriers in M7 Northbound slow lane
- Removal of existing F-type barriers
- Removal of vegetation and stripping of topsoil
- Placement and compaction of DGB access track
- Installation of crash mitigation measures
- Storage of materials required for the construction work front in the area
- Plant and vehicle access

Site establishment activities including the installation of temporary crash barriers and removing existing F-type barriers are expected to occur outside of standard construction hours. Out of hours works will be required as the M7 Northbound slow lane will need to be occupied, which will require traffic management measures to be in place under a Road Occupancy License (ROL). Once crash mitigation measures are installed, vegetation and topsoil will be stripped to a depth of 100mm below current ground level using an excavator and bogies to haul spoil. Once stripped, the access track consisting of imported DGB material from an approved supplier will be placed using an excavator and roller until compaction is reached.

Truck movements to site will be via the M7 Northbound Lane which is an approved heavy vehicle haulage route within the Construction Traffic and Transport Management Plan.

Plant and equipment required to enable access to the Gore Section for placement of crash mitigation measures would include:

- Light vehicles
- 23T Excavator
- Hiab crane truck
- 25T Franna crane
- 12T Roller
- Bogies
- Water cart
- Skid steer
- Generator
- Lighting towers
- Hand tools

2.3 Need

Boundary adjustment of Zone C-1

The Proposed Change is required for Zone C-1 to ensure that the project boundary aligns with the existing fence line. This change will maximise the available space for laydown of materials and plant as well as the establishment of the Ancillary Facility.

Boundary Adjustment of Gore Section

The Proposed Change for the Gore Section is required to enable safe and sufficient access to site and give heavy vehicles enough space to decelerate should their brakes fail. The design for the crash mitigation infrastructure was revised in negotiation with TfNSW. Without the boundary adjustment, crash mitigation infrastructure cannot be installed in a way that complies with the design specification and allow heavy vehicles to decelerate in time due to a lack of suitable land. The crash infrastructure cannot be moved within the current Approved Construction Boundary as to clashes with the piling activity required for the toll gantry footing and existing stormwater drainage installed on the M7. The Proposed Change is crucial in ensuring safe access to the Gore Section.

3. Consultation

During the planning stage for the Approved Project, consultation was undertaken through several tools and methods including:

- Digital channels: Westlink M7 website and Transport website
- Print material: notifications, community updates, and factsheets
- Media: advertisements, releases, events
- Social media: social media posts (including sponsored posts)
- Email: response to enquiries, community updates when required
- Face to face engagement: site visits and briefings with key stakeholders
- Consultation with Aboriginal parties
- Project Infoline
- Public exhibition of the modification report.

For a more detailed description of the consultation that was completed for the Approved Project, refer to chapter 6 of the Modification 6 Report.

As part of the construction phase of the Approved Project, ongoing consultation is being carried out with the community and relevant stakeholders in accordance with the M7-M12 Integration project Communication Management Plan, which includes a complaints management system.

A website providing information in relation to the Approved Project has been established and will continue to be maintained. It includes information on the current implementation status of the Approved Project, any notable updates and any documentation relating to approvals. The link to the Approved Project website can be access via:

[M7-M12 Integration Project | John Holland Group \(m7m12integrationproject.com.au\)](http://m7m12integrationproject.com.au)

If approved, this consistency assessment would be placed on TfNSW's project website:

[M7 Motorway \(Mod 6 Widening\) | Planning Portal - Department of Planning and Environment \(nsw.gov.au\)](http://nsw.gov.au)

Consultation will continue with TfNSW and WSOC as required regarding the utilisation of Zone C-1. North West Roads Group have been consulted regarding John Holland's utilisation of Zone C-1 and the layout plan of Zone C-1. North West Roads Group will continue to be consulted regarding any potential changes to the layout plan or land required by John Holland within Zone C-1.

No additional agency, organisation and community consultation has been identified as being required regarding the Proposed Change as the additional land being requested falls within the M7 corridor on land owned by TfNSW.

4. Environmental assessment

Potential environmental impacts are detailed in the following M7 EAD:

- Westlink M7 Widening Modification Report prepared by Transport for NSW and dated August 2022.
- Westlink M7 Widening Submissions Report prepared by Transport for NSW and dated November 2022.
- Transport for NSW (December, 2023) M7 Widening, Incident Response Bays Consistency Assessment.
- Transport for NSW (December, 2023) M7 Widening, Changes to the Approved Construction Footprint Consistency Assessment.
- Transport for NSW (May, 2024) M7 Widening, Changes to the Approved Construction Footprint – Tranche 2 Consistency Assessment.
- John Holland (February, 2024) M7 Widening, Crushing and screening at AF9.
- John Holland (June, 2024) M7 Widening, Northern Bridges Access.
- John Holland (June, 2024) M7 Widening, Bernera Road and Cowpasture Road boundary adjustment
- John Holland (June, 2024) M7 Widening, Great Western Highway Access Track.
- John Holland (July, 2024) M7 South ITS Tolling Gantry.

An assessment has been undertaken to compare the environmental impacts of the Proposed Change relative to the environmental impacts of the project subject to the Division 5.2 Approval. The assessment considered the previously identified project impacts and revised environmental management measures (REMMs).

Table 4-1 Environmental assessment of the Proposed Change

Environmental aspect	Potential Impacts from Proposed Change	Additional Controls Required (in addition to existing REMMs and CoA)	Consistent with Existing Approval
Traffic and transport	<p>Zone C-1 and the Gore Section were both included within the study area for the respective M7 EAD. Access to the work zones through the M7 alignment and surrounding local roads were accounted for within the M7 EAD.</p> <p>No additional impacts to those identified within the Approved Project.</p>	<p>Mitigation measures outlined in the M7 EAD, Construction Traffic and Transport Management Sub-plan (TTMP) and Construction Environmental Management Plan (CEMP) will be adhered to.</p> <p>No additional measures required. Crash mitigation measures for the Gore Section access will be installed under an ROL.</p>	Yes
Biodiversity	<p>Existing Environment of Zone C-1:</p> <p>Within Zone C-1, there are mature trees located within the Northern extent of site. Vegetation within part of Zone C-1 has been mapped in the Project M7 EAD as containing Cumberland Plain Woodland in the Sydney Basin Bioregion which is an Endangered Ecological Community under the Threatened Species Conservation Act and needs to be protected. This area is denoted as an exclusion zone and falls outside the area leased to John Holland (refer to Appendix D). No aquatic habitat was recorded within this area.</p> <p>Potential Impacts to Zone C-1 from Proposed Change:</p> <p>The Proposed Change within Zone C-1 is an administrative change. No vegetation removal or topsoil stripping will occur within Zone C-1. All trees will be retained within Zone C-1, with Tree Protection Zones placed around each tree for protection. An Environmental Protection Zone will be placed around vegetation mapped as Cumberland Plain Woodland in the Sydney Basin Bioregion. The mitigation measures outlined above will remediate any potential impacts that the Proposed Change could have on Zone C-1. Due to no</p>	<p>Activities will be conducted in accordance with the M7 EAD, Construction Flora and Fauna Management Sub-plan (FFMP) and the CEMP. No additional measures required.</p>	Yes

Environmental aspect	Potential Impacts from Proposed Change	Additional Controls Required (in addition to existing REMMs and CoA)	Consistent with Existing Approval
	<p>vegetation being removed within Zone C-1, an ecological assessment was not deemed necessary. Site activities will be conducted in line with ecologist advice.</p> <p>Existing Environment of the Gore Section:</p> <p>An ecological assessment was conducted for the Gore Section (refer to Appendix C). The ecologist determined within the ecological assessment that vegetation within this area was planted and is not classified as PCT. No threatened species or habitat were found during the ecological assessment. No trees are located within the Gore Section. No aquatic habitat was recorded within this area. The area is noted as being highly disturbed with ground cover consisting of exotic pasture grasses and weeds.</p> <p>Potential Impacts to the Gore Section from Proposed Change:</p> <p>Minor planted vegetation removal and topsoil stripping will be conducted within this area. However, impacts to biodiversity is expected to be minimal. This is inferred from the ecological assessment conducted for the Gore Section. Vegetation within this area is classed as Non-PCT that has been planted with the presence of weeds (refer to Appendix C). Site activities will be conducted in line with ecologist advice.</p> <p>No additional impacts are anticipated than to those identified within the Approved Project.</p>		
Air Quality	<p>The project boundary adjustment and indicative works within Zone C-1 was assessed within the M7 EAD.</p> <p>The project boundary adjustment and works within the Gore Section is consistent with works modelled within the M7 EAD. This area was modelled within the 20m buffer applied</p>	<p>Mitigation measures will be applied as outlined within the M7 EAD and CAQMP.</p> <p>No additional measures are required.</p>	Yes

Environmental aspect	Potential Impacts from Proposed Change	Additional Controls Required (in addition to existing REMMs and CoA)	Consistent with Existing Approval
	<p>to the construction footprint within the M7 EAD. Marginal vegetation removal and topsoil stripping within the Gore Section will be required (an area of approximately 450 m²). Activities within this area will be managed in accordance with the Construction Air Quality Management Plan (CAQMP).</p> <p>Both areas are located within an industrial zone, with the closest identified highly sensitive receptor outlined within the M7 EAD being approximately 1.65 km North of the Gore Section and 1.79 km North of Zone C-1.</p> <p>No additional impacts are anticipated than to those identified within the Approved Project.</p>		
Hydrology and flooding	<p>Zone C-1 and the Gore Section are both located within the Eastern Creek Catchment and are not identified as being at risk of flooding. As described in Table 6.2 of the M7 Modification 6 Report Surface Water and Flooding Impact Assessment, the Zone C1 Ancillary Facility and the median work area south of the Great Western Highway are not impacted by mainstream flooding or major overland flow and activities at these areas would have a minimal effect on flood behaviour. The proposed change at Zone C1 Ancillary facility is administrative in nature and the proposed works at the Gore Section are similar to activities already assessed and approved in the adjacent median area. As such, it has been determined the proposed change at Zone C1 Ancillary facility and the Gore Section is consistent with the approved project in relation to flood impacts and risks.</p> <p>No additional impacts are anticipated to those identified within the Approved Project.</p>	<p>No topsoil stripping is expected to occur within Zone C-1, whereby activities on site with potential associated risks relating to hydrology and flooding will be managed in accordance with the implementation of erosion and sediment controls outlined in the Construction Soil and Water Management Plan (CSWMP).</p> <p>Topsoil stripping will be conducted within the Gore Section. However, risks relating to such activities will be mitigated through the implementation of erosion and sediment controls outlined in the CSWMP.</p> <p>Mitigation measures will be applied as outlined within the M7 EAD and Construction Flood Management Plan (CFMP).</p> <p>No additional measures are required.</p>	Yes
Soils and contamination	<p>Existing Environment of Zone C-1:</p> <p>Zone C-1 was identified within the M7 EAD as having a very high chance of soil salinity as a hazard consistent with the</p>	<p>As no construction activities are proposed to establish Zone C-1, no additional controls are deemed necessary to manage contamination. Risk will be mitigated through the</p>	Yes

Environmental aspect	Potential Impacts from Proposed Change	Additional Controls Required (in addition to existing REMMs and CoA)	Consistent with Existing Approval
	<p>surrounding environment. Additionally, the Proposed Change falls within an area of moderate to high risk of contamination due to falling within the footprint of a former army camp. The entire area of Zone C-1 has been identified as potentially contaminated within the M7 EAD and SAP (refer to Appendix D).</p> <p>Potential Impacts to Zone C-1 from Proposed Change:</p> <p>Potential Impacts to this area are mitigated by the Proposed Change within Zone C-1 being an administrative change. No ground disturbance is proposed. John Holland has previously undertaken a Pre-Condition Land Contamination Assessment (PCLCA) prior to previous occupations of this site which did not identify any contamination. However, the entire area of Zone C-1 has remained as being identified as potentially contaminated within the M7 EAD and SAP (refer to Appendix D).</p> <p>Existing Environment of the Gore Section:</p> <p>The Gore Section has been identified within the M7 EAD as having a very high chance of soil salinity as a hazard consistent with the surrounding environment. Additionally, part of the Gore Section (southern extent) has been identified within the M7 EAD as falling within an area of moderate to high risk of contamination.</p> <p>Potential Impacts to the Gore Section from Proposed Change:</p> <p>This area is yet to obtain a Detailed Site Investigation (DSI) due to access restrictions that this consistency assessment aims to rectify. DSI will be completed once access is obtained to the work area (Appendix D).</p> <p>A DSI will aid in informing John Holland of mitigation measures required to manage and remediate any potential impacts from works. The Proposed Change is not expected</p>	<p>implementation of the unexpected finds protocol contained within the Construction Contamination Management Plan (CCMP).</p> <p>As minor earthworks are proposed within the gore section, a DSI will be required to assess whether contamination is present. The DSI cannot be undertaken until the safe access included within the Proposed Change is constructed. As earthworks for the establishment of the Proposed Change is limited to topsoil stripping to a depth of 100mm, topsoil stripping will be supervised by a contaminated sites expert and a DSI will be commissioned once access is possible. This DSI will include an assessment of soil salinity.</p> <p>Should the DSI identify contamination that requires a Remediation Action Plan, John Holland will comply with SSI-663 Mod 6, Condition D70 to D74 prior to undertaking construction activities.</p>	

Environmental aspect	Potential Impacts from Proposed Change	Additional Controls Required (in addition to existing REMMs and CoA)	Consistent with Existing Approval
	<p>to introduce any additional impacts. Areas within the surrounding Construction Footprint has been classed as moderate to high risk of contamination, whereby mitigation measures applied to these areas will be applied to the Gore Section.</p> <p>No additional impacts are anticipated to those identified within the Approved Project.</p>		
Surface water and groundwater	<p>The Proposed Change is located within the Eastern Creek Catchment and is included within the study area for the surface water and ground water assessment of the M7 EAD. Aquatic and terrestrial groundwater dependant ecosystems were not identified within the proposed adjusted project boundary.</p> <p>No additional impacts to those identified within the Approved Project.</p>	<p>No topsoil stripping is expected to occur within Zone C-1, whereby activities on site with potential associated risks relating to surface water and ground water will be managed in accordance with the implementation of erosion and sediment controls outlined in the CSWMP.</p> <p>Topsoil stripping will be conducted within Gore Section. However, risks relating to such activities will be mitigated through the implementation of erosion and sediment controls outlined in the CSWMP.</p> <p>Mitigation measures will be applied as outlined within the M7 EAD and CSWMP.</p> <p>No additional measures required.</p>	Yes
Noise and vibration	<p>The project boundary adjustment within Zone C-1 is an administrative change, whereby there is no expected change to the scope of works that have already being conducted within this zone. Construction activities within this zone will be consistent with activities modelled within the M7 EAD for this area. Utilisation of Zone C-1 will be consistent with works located within the M4 Off-ramp and the M7 alignment. Therefore, this Ancillary Facility is expected to be used both within and outside of standard construction hours.</p> <p>A noise and vibration assessment was conducted for Zone C-1 (Appendix E). Plant included in the model reflects the activities expected to occur within the Gore Section and M7</p>	<p>Controls are to be implemented as outlined within the M7 EAD and CNVMP. The Proposed Change is located within an industrial zone, with the closest sensitive receivers located approximately 1.48 km North-west of Zone C-1. Noise modelling suggests that impacts are consistent with works being conducted within the current Approved Construction Boundary.</p> <p>All reasonable and feasible noise mitigation measures will be implemented in accordance with the CNVMP.</p> <p>No additional measures required.</p>	Yes

Environmental aspect	Potential Impacts from Proposed Change	Additional Controls Required (in addition to existing REMMs and CoA)	Consistent with Existing Approval
	<p>Alignment (use of Zone C-1 as an ancillary facility with plant laydown).</p> <p>A noise and vibration assessment was conducted for the Gore Section (Appendix E). Plant included within the assessment is relative to the activities expected to occur within the area. Results of the assessment were below the Noise Management Level (NML).</p> <p>Works within the Gore Section are expected to occur outside of standard construction hours due to the need for traffic control measures. Both areas are located within an Industrial Zone and have no nearby sensitive receivers. No works are expected to be above the Noise Management Level.</p> <p>All out of hours activities will be modelled for potential noise and vibration impacts. Results from modelling are expected to reflect that of the Noise and Vibration Modelling of Indicative Works within Zone C-1 and Gore Section (Appendix E).</p> <p>No additional noise or vibration impacts are anticipated as a result of the proposed works.</p>		
Aboriginal heritage	<p>An Aboriginal Heritage Information Management System (AHIMS) search was conducted, whereby no Aboriginal heritage was identified within Zone C-1 (Appendix F).</p> <p>An Aboriginal Heritage Information Management System (AHIMS) search was also conducted for the Gore Section, whereby no Aboriginal heritage was identified (Appendix F).</p> <p>No additional impacts are anticipated to those identified within the Approved Project.</p>	<p>Mitigation measures outlined within the M7 EAD and Construction Heritage Management Plan (CHMP) will be implemented. The unexpected Heritage Finds and Human Remains Procedure will be followed to mitigate risks.</p> <p>No additional measures required.</p>	Yes

Environmental aspect	Potential Impacts from Proposed Change	Additional Controls Required (in addition to existing REMMs and CoA)	Consistent with Existing Approval
Non-Aboriginal heritage	<p>No Non-Aboriginal Heritage has been identified within or within close proximity to the Proposed Change as outlined in the M7 EAD.</p> <p>No additional impacts are anticipated to those identified within the Approved Construction Boundary.</p>	<p>Mitigation measures outlined within the M7 EAD and CHMP will be implemented. The unexpected Heritage Finds and Human Remains Procedure will be followed to mitigate risks.</p> <p>No additional measures required.</p>	Yes
Landscape character and visual amenity	<p>The project boundary adjustment within Zone C-1 is an administrative change, whereby there is no expected change to the scope of works that have already been conducted within this zone.</p> <p>Boundary adjustments within Zone C-1 and the Gore Section were included within the study area for the landscape and visual assessment of the M7 EAD. Both areas are classified as Industrial Zones with negligible impacts to landscape character.</p> <p>Impacts to visual amenity is expected to be low as no vegetation is to be removed within Zone C-1. Trees within Zone C-1 will be retained and protected by the establishment of tree protection zone's. The Proposed Change to C-1 is administrative in nature.</p> <p>Planted vegetation will be removed within the Gore Section with the temporary placement of DGB. However, the Gore Section has no trees and is located next to the M7 Carriageway. Therefore, impacts to visual amenity in this area is also expected to be low.</p> <p>No additional impacts are anticipated than those identified within the Approved Project.</p>	<p>Management measures outlined in the CEMP will be implemented. No additional mitigation measures are deemed necessary for the Proposed Change.</p>	Yes
Land use and property	<p>The Proposed Change is included within the Land use and Property study area of the M7 EAD.</p>	<p>Mitigation measures outlined within the M7 EAD and CEMP will be adhered to. No additional measures required.</p>	Yes

Environmental aspect	Potential Impacts from Proposed Change	Additional Controls Required (in addition to existing REMMs and CoA)	Consistent with Existing Approval
	<p>Zone C-1 is owned by TfNSW, with a current agreement between TfNSW and WSOC Co for WSOC Co to occupy the area. JHG has permission from WSOC Co to utilise Zone C-1.</p> <p>JHG will continue to liaise with WSOC Co and TfNSW as required regarding utilisation of land within Zone C-1.</p> <p>The Gore section falls within the Site Access Schedule and is within the M7 road alignment.</p> <p>No additional impacts are anticipated than those identified within the Approved Project.</p>		
Socio-economic	<p>The Proposed Change is included within the Land use and Property study area of the M7 EAD.</p> <p>No additional impacts are anticipated than those identified within the Approved Project.</p>	Mitigation measures outlined within the M7 EAD and CEMP will be adhered to. No additional measures required.	Yes
Waste	<p>The entire area of Zone C-1 has been identified as potentially contaminated within the M7 EAD and SAP (refer to Appendix D). However, no ground disturbance will be conducted within this zone, whereby the risk of potentially contaminated land is lower considering the ground surface will not to be broken.</p> <p>Part of the Gore Section (southern extent) has been identified within the M7 EAD as falling within an area of moderate to high risk of contamination. A DSI will be completed once access is obtained to the work area. The Proposed change will not introduce any new impacts, as areas within the surrounding Construction Footprint have also been classed as moderate to high risk of contamination. Mitigation measures applied to these areas will be applied to the Gore Section.</p>	<p>A DSI will be completed once access is obtained to the work area.</p> <p>All construction waste would be appropriately disposed of and managed in accordance with the M7 EAD and CWMP.</p> <p>A waste classification report will be obtained for all spoil exhumed from the Proposed Change and all waste will be disposed of at an appropriately licenced waste facility.</p>	Yes

Environmental aspect	Potential Impacts from Proposed Change	Additional Controls Required (in addition to existing REMMs and CoA)	Consistent with Existing Approval
	<p>Materials and waste will be managed for the Proposed Change as per the management strategies and mitigation measures outlined within the M7 EAD, Construction Waste Management Plan (CWMP).</p> <p>No additional waste is anticipated than outlined because of the Proposed Change.</p>		
Sustainability, climate change and greenhouse gas	<p>Sustainability practises would be implemented to address any sustainability impacts with the Proposed Change. This is consistent with the M7 EAD. Impacts upon climate change and greenhouse gases from the Proposed Change have been investigated as per the respective M7 EAD.</p> <p>No additional impacts to those identified within the Approved Project.</p>	Mitigation measures will be implemented as per the respective M7 EAD and the CEMP. No additional measures required.	Yes
Hazard and risk	<p>Potential hazards and risks within the Proposed Change have been accounted for within the M7 EAD. Scope of activities within Zone C-1 have not changed, with the change being administrative in nature. Therefore, such potential risks and hazards have been identified and assessed. No ground disturbance will be conducted within this zone, whereby the risk of potentially contaminated land is lower considering the ground surface will not to be broken.</p> <p>The risk of potentially contaminated land within the Gore Section will be managed by the attainment of a DSI once access to the area is obtained. Topsoil stripping will be supervised by an appropriately qualified contamination expert. Any potential hazards and risks will be managed as per the CEMP, CLMP and sub-plans.</p> <p>No additional impacts are anticipated other than those identified within the Approved Project.</p>	No additional measures are required at this point in time. Once a DSI is obtained for the Gore Section, any potential hazards and risks will be managed as per SSI-663 Mod 6, Condition D70 to D74.	Yes

Environmental aspect	Potential Impacts from Proposed Change	Additional Controls Required (in addition to existing REMMs and CoA)	Consistent with Existing Approval
Cumulative impacts	<p>The concurrent construction of various projects within the vicinity of the M7 Widening gives rise to the potential for cumulative impacts. The magnitude of impact, timeframe for the works and additional area required for the Proposed Change is very minor and would not impact upon other projects in the surrounding area. The closest project within vicinity to the Proposed Change is the Light Horse Interchange Business Hub Eastern Creek, located on the opposite side of the M7 alignment. The environmental impacts assessed as part of this report are consistent with the cumulative impacts discussed in the M7 EAD and consistent with the activities modelled within the Construction Noise and Vibration Impact Statement (CNVIS).</p> <p>No additional impacts are anticipated than those identified within the Approved Project.</p>	Mitigation measures outlined within the M7 EAD will be adhered to. No additional measures required.	Yes

5. Consistency assessment – the Division 5.2 Approval

5.1 Minister's Conditions of Approval and Environmental management measures

The Proposed Change has been assessed in relation to the relevant CoA and REMMs for the M7 Widening.

The Proposed Change can be accommodated within the M7 Widening CoA and is consistent with the environmental management measures incorporated as part of the Division 5.2 Approval.

5.2 Project objectives

The M7 Widening project objectives are to:

- Provide additional capacity on the Westlink M7 to meet future traffic growth, reduce congestion and improve connectivity and reliability
- Avoid and minimise impacts on the road network, the community and environment during construction
- Integrate with the new M12 Motorway, minimising disruption during construction and providing safe and efficient connectivity in the operations phase
- Deliver a design that integrates with and respects the existing urban design and landscape features of the Westlink M7
- Provide a cost effective / affordable solution.

The Proposed Change supports the M7 Widening project objectives by enabling the construction of the road that achieves these project objectives. As such the Proposed Change is consistent with the M7 Widening project objectives.

5.3 Consistency questions – the Division 5.2 Approval

Table 5-1 presents a set of questions that assist Transport to determine whether the Proposed Change can be considered consistent with the Division 5.2 Approval.

Table 5-1 Division 5.2 Approval consistency questions

Consistency question	Discussion	Consistent
1 Is the Proposed Change likely to result in changes to the scope and impacts of the project to an extent that would be considered a radical transformation of the project as a whole, as to be, in reality, an entirely new project?	As detailed in Section 2 and assessed in Section 4, the Proposed Change would not result in a significant change to the M7 Widening project. The impacts associated with the Proposed Change are minor in nature and would be managed in accordance with the CEMP and Sub-plans.	Yes
2 Would any conditions of approval need to be amended in light of the change?	The Proposed Change would not impact upon the conditions of approval such that a change would be required.	Yes
3 Would the statement of commitments or environmental management measures need to change?	The Proposed Change would not require the statement of commitments or environmental management measures to be amended.	Yes
4 Would the Proposed Change be 'generally in accordance with' the documents incorporated in Standard Condition A1 (or A2)?	The Proposed Change is considered generally in accordance with the M7 EAD listed in M7 Widening Condition A1.	Yes

Consistency question	Discussion	Consistent
5 Would the environmental impacts of the project as a whole be altered by the Proposed Change to the extent that the Proposed Change would not be consistent with the Approval?	As described in Section 4, the environmental impacts associated with the Proposed Change are consistent with the impacts described in the M7 EAD. Management measures detailed in the M7 EAD would be implemented for the Proposed Change.	Yes
6 Considering the project as a whole, would the magnitude of the change be viewed as consistent with the project?	The magnitude of the Proposed Change is minor in comparison to the M7 Widening. The Proposed Change is consistent with the M7 Widening project objectives.	Yes

6. Conclusion

This memo provides a true and fair consistency review of the scope and potential impacts of the Proposed Change compared with the scope and potential environmental impacts of the Approved Projects.

Based on the consistency assessment in this report, the Proposed Change is considered

☒ Consistent with the Division 5.2 Approval

☐ ~~Not consistent with the Division 5.2 Approval. A modification to the project approval must be prepared and submitted for approval by the Minister.~~

☐ ~~A radical transformation of the project and as such a new project should be developed with new and separate planning approvals obtained as necessary.~~

The CEMP and relevant sub-plans will be updated to incorporate the Proposed Change as relevant.

7. Other considerations

7.1 Permits, licenses and other approvals

The Environmental Protection License (EPL) for the M7-M12 Integration project covers the Approved Project. Prior to works subject to the Proposed Change commencing, premise maps within the EPL would be amended to display the changes to the construction footprint.

A ROL would be required for works within the road corridor.

8. Certification

Author

This consistency assessment provides a true and fair review of the Proposed Change for the M7-M12 Integration project.

Name

[REDACTED]

Signature

[REDACTED]

Position

Senior Environmental Advisor

Date

11/11/2024

Organisation

John Holland

Transport for NSW

The Proposed Change, subject to the implementation of all the environmental requirements of the project, is consistent with the Division 5.2 Approval.

Name

[REDACTED]

Signature

[REDACTED]

Position

Environment and Sustainability Manager

Date

11/11/2024

I have examined the Proposed Change by reference to the Division 5.2 Approval in accordance with Section 5.25(2) of the EP&A Act. I consider that the proposal is consistent with the Division 5.2 Approval.

Name

[REDACTED]

Signature

[REDACTED]

Position

Senior Environment and Sustainability Manager

Date

11/11/2024

Name

[REDACTED]

Signature

[REDACTED]

Position

M12/M7 Project Director

Date

11/11/2024

Appendix A - Assessment of consistency with conditions of approval and revised environmental management measures

Table A 1: Consistency against relevant Minister's conditions of approval

No.	Conditions of Approval	Discussion	Consistent
1A.	<p>The Proponent must carry out Modification 6 in accordance with the terms of this approval (the conditions listed in Condition 1B of Schedule 1, and all Conditions listed in Schedule 2) and generally in accordance with the:</p> <p>(a) Westlink M7 Widening Modification Report prepared by Transport for NSW and dated August 2022; and</p> <p>(b) Westlink M7 Widening Submissions Report prepared by Transport for NSW and dated November 2022.</p>	The Proposed Change, as described in Section 2.1, can be carried out in accordance with Condition 1A.	Yes
1B.	The following Conditions listed in Schedule 1 apply to Modification 6: 1, 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H, 1I, 6, 6A, 26, 44, 45, 46, 67, 90, 96A, 96B, 96C, 96D, 96E, 96F, 96G, 96H, 96I, 96J, 96K, 99A, 99B, 125 (as it applies to operation), 146A, 150, 155 and 221. All other Conditions in Schedule 1 not listed in this Condition do not apply to any Work associated with Modification 6.	The Proposed Change would not impact on compliance with this condition.	Yes
1C.	<p>In the event of an inconsistency between:</p> <p>(a) the terms of this approval and any document listed in Condition 1 and 1A of Schedule 1 inclusive, the terms of this approval will prevail to the extent of the inconsistency; and</p> <p>(b) any document listed in Condition 1 and 1A of Schedule 1 inclusive, the most recent document will prevail to the extent of the inconsistency.</p> <p>Note: For the purpose of this condition, there will be an inconsistency between a term of this approval and any document if it is not possible to comply with both the term and the document.</p>	The Proposed Change would not impact on compliance with this condition.	Yes
1D.	The Proponent must comply with all written requirements or directions of the Planning Secretary, including in relation to:	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(a) the environmental performance of Modification 6;</p> <p>(b) any document or correspondence in relation to the Modification 6;</p> <p>(c) any notification given to the Planning Secretary under the terms of this approval;</p> <p>(d) any audit of the construction or operation of Modification 6;</p> <p>(e) the terms of this approval and compliance with the terms of this approval (including anything required to be done under this approval);</p> <p>(f) the carrying out of any additional monitoring or mitigation measures; and</p> <p>(g) in respect of ongoing monitoring and management obligations, compliance with an updated or revised version of a guideline, protocol, Australian Standard or policy required to be complied with under this approval.</p>		
1E.	Modification 6 must be carried out in accordance with all procedures, commitments, preventative actions, performance outcomes and mitigation measures set out in the documents listed in Condition 1A unless otherwise specified in, or required under, this approval.	The Proposed Change can be carried out in accordance with all procedures, commitments, preventative actions, performance outcomes and mitigation measures set out in the EAD described in Condition A1.	Yes
67.	Modification 6 must be constructed and operated with the objective of minimising light spillage to surrounding properties. All lighting associated with the construction and operation of Modification 6 must be consistent with the requirements of AS/NZS 4282:2019 Control of the obtrusive effects of outdoor lighting and relevant Australian Standards in the series AS/NZ 1158 – Lighting for Roads and Public Spaces. Additionally, mitigation measures must be provided to manage any residual night lighting impacts to protect properties adjoining or adjacent to the project, in consultation with affected landowners.	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
221	The Project carriageways, not including the pedestrian/cycleway, shall be appropriately fenced at all times to prevent access by the general community. Particular attention shall be paid to areas of open space or community land use such as the Western Sydney Parklands (as identified in SEPP (Precincts – Western Parkland City) 2021), including the Western Sydney Regional Park and SIEC. Locked gates shall be provided at suitable locations to allow for emergency service access in consultation with the NSW Police Service, NSW Fire Brigade and State Emergency Services.	The Proposed Change would not impact on compliance with this condition.	Yes
Modification 6 Specific Conditions			
A1	For the purposes of Modification 6, the following conditions apply: (a) the conditions listed in Condition 1B of Schedule 1; and (b) all conditions listed in Schedule 2 of this approval.	The Proposed Change would not impact on compliance with this condition.	Yes
A12	Boundary screening must be erected between construction ancillary facilities (excluding minor ancillary facilities) and adjacent to sensitive land use(s) for the duration of the time that the construction ancillary facility is in use, unless otherwise agreed with the owner and occupier of the adjacent sensitive land use(s) Boundary screening must aim to minimise visual impacts on adjacent sensitive land use(s).	The Proposed Change would not impact on compliance with this condition.	Yes
A20	For the duration of Work until the completion of construction, or as agreed with the Planning Secretary, the approved ER must: (a) receive and respond to communication from the Planning Secretary in relation to the environmental performance of Modification 6; (b) consider and inform the Planning Secretary on matters specified in the terms of this approval;	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(c) consider and recommend to the Proponent any improvements that may be made to work practices to avoid or minimise adverse impact to the environment and to the community;</p> <p>(d) review documents identified in Conditions A2, A6, A9, C1, C4 and C9 and any other documents that are identified by the Planning Secretary, to ensure they are consistent with requirements in or under this approval and if so:</p> <p>(i) make a written statement to this effect before submission of such documents to the Planning Secretary (if those documents are required to be approved by the Planning Secretary); or</p> <p>(ii) make a written statement to this effect before the implementation of such documents (if those documents are required to be submitted to the Planning Secretary / Department for information or are not required to be submitted to the Planning Secretary/Department);</p> <p>(d) Note: The written statement must be made via the Major Projects Portal.</p> <p>(e) regularly monitor the implementation of the documents listed in Conditions A2, A6, A9, C1, C4 and C9 to ensure implementation is being carried out in accordance with the document and the terms of this approval;</p> <p>(f) as may be requested by the Planning Secretary, help plan or attend audits of the development commissioned by the Department including scoping audits, programming audits, briefings and site visits, but not independent environmental audits required under Condition A27 of this approval;</p> <p>(g) as may be requested by the Planning Secretary, assist in the resolution of community complaints;</p> <p>(h) view the appropriateness of any activities reliant on the definition of Low Impact Work;</p>		

No.	Conditions of Approval	Discussion	Consistent
	<p>(i) consider or assess the impacts of minor ancillary facilities as required by Condition A11;</p> <p>(j) consider any minor amendments to be made to the Construction Ancillary Facility Site Establishment Management Plan, CEMP, CEMP Sub-plans and monitoring programs without increasing impacts to nearby sensitive land uses or that comprise updating or are of an administrative nature, and are consistent with the terms of this approval and the CEMP, CEMP Sub-plans and monitoring programs approved by the Planning Secretary and, if satisfied such amendment is necessary, approve the amendment. This does not include any modifications to the terms of this approval; and</p> <p>(k) prepare and submit to the Planning Secretary and other relevant regulatory agencies, for information, an Environmental Representative Monthly Report providing the information set out in the Environmental Representative Protocol under the heading "Environmental Representative Monthly Reports." The Environmental Representative Monthly Report must be submitted within seven days following the end of each month for the duration of the ER's engagement for Modification 6, or as otherwise agreed by the Planning Secretary.</p>		
A21	<p>The Proponent must provide the ER with documentation requested in order for the ER to perform their functions specified in Condition A20 (including preparation of the ER monthly report), as well as:</p> <p>(a) the complaints register (to be provided on a weekly basis where complaints have been received or as requested); and</p> <p>(b) a copy of any assessment carried out by the Proponent of whether proposed work is consistent with the approval (which must be provided to the ER before the commencement of the subject work).</p>	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>This report is to be provided to the ER prior to commencement of the Proposed Change.</p>	Yes
A24	The Proponent must cooperate with the AA by:		Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(a) providing access to noise and vibration monitoring activities as they take place;</p> <p>(b) providing for review of noise and vibration plans, assessments, monitoring reports, data and analyses undertaken; and</p> <p>(c) considering any recommendations to improve practices and demonstrating, to the satisfaction of the AA, why any recommendation is not adopted.</p>	The Proposed Change would not impact on compliance with this condition.	
A25	<p>The approved AA must:</p> <p>(a) receive and respond to communication from the Planning Secretary in relation to the performance of Modification 6 in relation to noise and vibration;</p> <p>(b) consider and inform the Planning Secretary on matters specified in the terms of this approval relating to noise and vibration;</p> <p>(c) consider and recommend to the Proponent, improvements that may be made to avoid or minimise adverse noise and vibration impacts;</p> <p>(d) review proposed night-time works to determine if sleep disturbance would occur and recommend measures to avoid sleep disturbance or appropriate additional alternative mitigation measures;</p> <p>(e) review noise and vibration documents required to be prepared under the terms of this approval, and should they be consistent with the terms of this approval, endorse them before submission to the Planning Secretary (if required to be submitted to the Planning Secretary) or before implementation (if not required to be submitted to the Planning Secretary);</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(f) regularly monitor the implementation of all noise and vibration documents required to be prepared under the terms of this approval to ensure implementation is in accordance with what is stated in the document(s) and the terms of this approval;</p> <p>(g) notify the Planning Secretary of noise and vibration incidents in accordance with Conditions A33 and A35 of this approval;</p> <p>(h) in conjunction with the ER, the AA must:</p> <p>(i) as may be requested by the Planning Secretary help plan, attend or undertake audits of noise and vibration management of the CSSI including briefings, and site visits,</p> <p>(ii) in the event that conflict arises between the Proponent and the community in relation to the noise and vibration performance of Modification 6, follow the procedure in the Community Communication Strategy approved under Condition B2 to attempt to resolve the conflict, and if it cannot be resolved, notify the Planning Secretary,</p> <p>(iii) consider relevant minor amendments made to the Construction Ancillary Facility Site Establishment Management Plan, CEMP, relevant sub-plans and noise and vibration monitoring programs that require updating or are of an administrative nature, and are consistent with the terms of this approval and the management plans and monitoring programs approved by the Planning Secretary and, if satisfied such amendment is necessary, endorse the amendment, (this does not include any modifications to the terms of this approval),</p> <p>(iv) review the noise impacts of minor construction ancillary facilities, and</p>		

No.	Conditions of Approval	Discussion	Consistent
	(v) prepare and submit to the Planning Secretary and other relevant regulatory agencies, for information, a Monthly Noise and Vibration Report detailing the AA's actions and decisions on matters for which the AA was responsible in the preceding month. The Monthly Noise and Vibration Report must be submitted within seven days following the end of each month for the duration of the AA's engagement for Modification 6, or as otherwise agreed by the Planning Secretary.		
B1	<p>A Communication Strategy must be prepared to provide mechanisms to facilitate communication about construction and operation of Modification 6 with:</p> <p>(a) the community (including adjoining affected landowners and businesses, and others directly impacted by Modification 6); and</p> <p>(b) the relevant councils and relevant agencies.</p>	The Proposed Change would not impact on compliance with this condition.	Yes
B2	<p>The Communication Strategy must:</p> <p>(a) identify people, organisations, councils and agencies to be consulted during the design and work phases of Modification 6;</p> <p>(b) identify details of the community and its demographics;</p> <p>(c) identify timing of consultation;</p> <p>(d) set out procedures and mechanisms for the regular distribution of accessible information including to LOTE and CALD and vulnerable communities about or relevant to Modification 6;</p> <p>(e) detail the measures for advising the community in advance of upcoming construction including upcoming out-of-hours work as required by Condition D54;</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(f) provide for the formation of issue or location-based community forums that focus on key environmental management issues of concern to the relevant community(ies) for Modification 6;</p> <p>(g) set out procedures and mechanisms:</p> <p>(i) through which the community can discuss or provide feedback to the Proponent;</p> <p>(ii) through which the Proponent will respond to enquiries or feedback from the community;</p> <p>(iii) to resolve any issues and mediate any disputes that may arise in relation to the environmental management and delivery of Modification 6, including disputes regarding rectification or compensation;</p> <p>(h) address who will engage with the community, relevant councils and agencies.</p>		
B5	The Communication Strategy, as approved by the Planning Secretary, must be implemented for the duration of Work and for 12 months following the completion of construction.	The Proposed Change would not impact on compliance with this condition.	Yes
B6	<p>A Complaints Management System must be prepared and implemented before the commencement of any Work and maintained for the duration of Work and for a minimum for 12 months following completion of construction of Modification 6.</p> <p>Note: In the situation where there are different entities constructing and operating Modification 6, continuity of access to the Complaints Management System must be maintained.</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
B7	The following information must be available to facilitate community enquiries and manage complaints one month before the commencement of Work and for 12 months following the completion of construction:	The Proposed Change would not impact on compliance with this condition.	Yes
	(a) a 24-hour telephone number for the registration of complaints and enquiries about Modification 6;		
	(b) a postal address to which written complaints and enquires may be sent;		
	(c) an email address to which electronic complaints and enquiries may be transmitted; and		
	(d) a mediation system for complaints unable to be resolved.		
	This information must be accessible to all in the community regardless of age, ethnicity, disability or literacy level.		
B8	A Complaints Register must be maintained recording information on all complaints received about Modification 6 during the carrying out of any work and for a minimum of 12 months following the completion of construction. The Complaints Register must record the:	The Proposed Change would not impact on compliance with this condition.	Yes
	(a) number of complaints received;		
	(b) the date and time of the complaint;		
	(c) the method by which the complaint was made;		
	(d) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;		
	(e) nature of the complaint;		

No.	Conditions of Approval	Discussion	Consistent
	(f) means by which the complaint was addressed and whether resolution was reached, with or without mediation; and		
	(g) if no action was taken, the reason(s) why no action was taken.		
B9	Complainants must be advised of the following information before, or as soon as practicable after, providing personal information:	The Proposed Change would not impact on compliance with this condition.	Yes
	(a) the Complaints Register may be forwarded to government agencies, including the Department (Department of Planning and Environment, 4 Parramatta Square, 12 Darcy Street, Parramatta NSW 2150), to allow them to undertake their regulatory duties;		
	(b) by providing personal information, the complainant authorises the Proponent to provide that information to government agencies;		
	(c) the supply of personal information by the complainant is voluntary; and		
	(d) the complainant has the right to contact government agencies to access personal information held about them and to correct or amend that information (Collection Statement).		
	The Collection Statement must be included on the Proponent or development website to make prospective complainants aware of their rights under the Privacy and Personal Information Protection Act 1998 (NSW). For any complaints made in person, the complainant must be made aware of the Collection Statement.		
	Note: Should a complainant disagree with the Collection Statement, a note to that effect must be recorded in the Complaints Register required by Condition B8.		

No.	Conditions of Approval	Discussion	Consistent
B10	The Complaints Register must be provided to the Planning Secretary upon request, within the timeframe stated in the request.	The Proposed Change would not impact on compliance with this condition.	Yes
B11	<p>A website or webpage providing information in relation to Modification 6 must be established before commencement of Work and be maintained for the duration of construction, and for a minimum of 24 months following the completion of construction. The following up-to-date information (excluding confidential, private, commercial information or any other information that the Planning Secretary has approved to be excluded) must be published before the relevant work commences and maintained on the website or dedicated pages including:</p> <p>(a) information on the current implementation status of Modification 6;</p> <p>(b) a copy of the documents listed in Condition 1A of Schedule 1, and any documentation relating to any modifications made to the approved project or the terms of this approval;</p> <p>(c) a copy of this approval in its original form, a current consolidated copy of this approval (that is, including any approved modifications to its terms), and copies of any approval granted by the Minister to a modification of the terms of this approval;</p> <p>(d) a copy of each statutory approval, licence or permit required and obtained in relation to Modification 6;</p> <p>(e) a copy of the final version of each document required under the terms of this approval; and (f) a copy of the audit reports required under this approval.</p> <p>Where the information / document relates to a particular work or is required to be implemented, it must be published before the commencement of the relevant work to which it relates or before its implementation.</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>All information required in this condition must be provided on the Proponent's website, ordered in a logical sequence and which is easy to navigate.</p> <p>Note: The intention of this condition is to increase transparency and for information/documents required as part of the approval to be provided proactively and publicly in an easily accessible manner. Where information is excepted by this condition, it is intended that these documents are provided in their redacted form.</p>		
C1	A Construction Environmental Management Plan (CEMP) must be prepared having regard to the Environmental Management Plan Guideline for Infrastructure Projects (Department of Planning, Industry and Environment, 2020).	The Proposed Change would not impact on compliance with this condition.	Yes
C2	<p>The CEMP must provide:</p> <p>(a) a description of activities to be undertaken during construction (including the scheduling of construction);</p> <p>(b) details of environmental and social policies, guidelines and principles to be followed in the construction of Modification 6;</p> <p>(c) a program for ongoing analysis of the key environmental risks arising from the activities described in subsection (a) of this condition, including an initial risk assessment undertaken before the commencement of construction of Modification 6;</p> <p>(d) details of how the activities described in subsection (a) of this condition will be carried out to:</p> <p>(i) meet the performance outcomes stated in the documents listed in Condition 1A of Schedule 1, and as required by this approval; and</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	(ii) manage the risks identified in the risk analysis undertaken in subsection (c) of this condition;		
	(e) an inspection program detailing the activities to be inspected and frequency of inspections;		
	(f) a protocol for managing and reporting any:		
	(i) incidents; and		
	(ii) non-compliances with this approval or statutory requirements;		
	(g) procedures for rectifying any non-compliance with this approval identified during compliance auditing, incident management or at any time during construction;		
	(h) a list of all the CEMP Sub-plans required in respect of construction, as set out in Condition C4. Where staged construction of Modification 6 is proposed, the CEMP must also identify which CEMP Sub-plan applies to each of the proposed stages of construction;		
	(i) an organisational chart including description of the roles and environmental responsibilities for relevant employees and any independent appointments;		
	(j) a Worker Code of Conduct for employees, contractors and subcontractors;		
	(k) for training and induction for employees, including contractors and sub-contractors, in relation to environmental and compliance obligations under the terms of this approval; and		

No.	Conditions of Approval	Discussion	Consistent
	(I) for periodic review and update of the CEMP and all associated plans and programs		
	Note: CEMP(s) may reflect the construction of the project through geographical activities, temporal activities or activity based staging.		
C3	The CEMP (and relevant CEMP sub-plans) must be endorsed by the ER and then submitted to the Planning Secretary for approval no later than one month before the commencement of construction, or where construction is staged, no later than one month before the commencement of each stage.	The Proposed Change would not impact on compliance with this condition.	Yes
C4	The following CEMP Sub-plans must be prepared in consultation with the relevant government agencies identified for each CEMP Sub-plan. Details of all information requested by an agency during consultation must be provided to the Planning Secretary as part of any submission of the relevant CEMP Sub-plan, including copies of all correspondence from those agencies as required by Condition 1H of Schedule 1.	The Proposed Change would not impact on compliance with this condition.	Yes
	Table 2: CEMP Sub-plans		
	(a) Traffic and Transport - Relevant council(s)		
	(b) Noise and Vibration - WaterNSW and relevant council(s)		
	(c) Flora and Fauna - DPI Fisheries and relevant council(s)		
	(d) Soil and Water - DPE Water, WaterNSW and relevant council(s)		
	(e) Heritage - NSW Heritage and Water NSW		
		CEMP Sub-plans would be updated as required to reflect the Proposed Change as part of the next periodic review.	

No.	Conditions of Approval	Discussion	Consistent
	Note: CEMP Sub-plan(s) may reflect the construction of the project through geographical activities, temporal activities or activity based staging.		
C7	The CEMP(s) and CEMP Sub-plans as approved, including any minor amendments approved by the ER, must be implemented for the duration of construction.	The Proposed Change would not impact on compliance with this condition.	Yes
C8	<p>The Soil and Water Management Plan (SWMP) must be prepared in accordance with the principles and requirements in Managing Urban Stormwater – Soils and Construction, Volume 1 (Landcom, 2004) and Volume 2D (DECC, 2008) and be prepared by a suitably qualified person either certified under either the Environment Institute of Australia and New Zealand's Certified Environmental Practitioner (Site Contamination) scheme (CEnvP(SC)) or the Soil Science Australia Certified Professional Soil Scientist Contaminated Site Assessment and Management (CPSS CSAM) scheme.</p> <p>The SWMP must include, but not be limited to:</p> <p>(a) the erosion and sediment control measures for areas of low contamination risk;</p> <p>(b) the erosion and sediment control measures for areas of moderate to high contamination risk;</p> <p>(c) adopted assessment criteria for proposed discharges, and how these would be measured;</p> <p>(d) a surface water monitoring program for areas of moderate to high contamination risk for contaminants of potential concern (CoPC), and</p> <p>(e) a dewatering management plan (DMP), that identifies and manages water contamination risks and identifies licensed waste facilities where contaminated groundwater will be disposed.</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	Note: If a NSW EPA accredited Site Auditor is required under Condition D68, the contamination aspects of the SWMP may need to be updated following any potential advice from the Site Auditor regarding the appropriateness of management measures.		
C13	The CMP(s), as approved, including any minor amendments approved by the ER, must be implemented for the duration of construction and for any longer period set out in the monitoring program or specified by the Planning Secretary, whichever is the greater.	The Proposed Change would not impact on compliance with this condition.	Yes
D1	In addition to the performance outcomes, commitments and mitigation measures specified in the documents listed in Condition 1A of Schedule 1, all practicable measures must be implemented to minimise and manage the emission of dust and other air pollutants (including odours) during the construction of Modification 6.	The Proposed Change would not impact on compliance with this condition.	Yes
D2	The clearing of native vegetation must be minimised with the objective of reducing impacts to threatened ecological communities and threatened species habitat.	The footprint of the Proposed Change has been designed to minimise the clearing of vegetation. No vegetation is to be cleared within Zone C-1. No trees are located within the Gore Section. However, the minor removal of planted vegetation and topsoil stripping was unavoidable and will be conducted within this area. Vegetation within this area was planted and is not classified as PCT. No threatened species or habitat were found during the ecological assessment. The area is noted as being highly disturbed with ground cover consisting of exotic pasture grasses and weeds.	Yes
D3	Impacts to plant community types must not exceed those identified in the documents listed in Condition 1A of Schedule 1, unless otherwise approved by the Planning Secretary. In requesting the Planning Secretary's approval, an assessment of the additional impact(s) to plant community types and an updated ecosystem and / or species credit requirement under Condition D4 below, if required, must be provided.	The Proposed Change would not require the clearing of any additional mapped plant community types. No vegetation clearing will be conducted within Zone C-1. Vegetation within the Gore Section was not classified as PCT.	Yes

No.	Conditions of Approval	Discussion	Consistent
D4	Prior to impacts on the biodiversity values set out in Table 4 and 5, the number and classes of ecosystem credits and species credits (like-for-like) must be retired.	The Proposed Change will not impact upon compliance with this condition. No additional clearing of plant community types or biodiversity offsets are required for the Proposed Change.	Yes
	Table 4: Ecosystem Credits. Refer to pg.28 of CoA		
	Table 5: Species Credits required. Refer to pg.28 of CoA		
	Note: Credits have been calculated using the Biodiversity Assessment Method.		
D5	The requirement to retire like-for-like ecosystem credits and species credits in Condition D4 may be satisfied by payment to the Biodiversity Conservation Fund of an amount equivalent to the number and classes of ecosystem credits and species credits.	The Proposed Change would not impact on compliance with this condition.	Yes
D6	Where evidence of compliance with the <i>Ancillary rules: Reasonable steps to seek like-for-like biodiversity credits for the purpose of applying the variation rules</i> has been provided to the Planning Secretary, variation rules may be applied to retire the relevant ecosystem credits and species credits as set out in the BAM Biodiversity Credit Report (Variation).	The Proposed Change would not impact on compliance with this condition. This is an administrative change to Zone C-1. No vegetation clearance will occur within the Ancillary facility.	Yes
D7	Prior to any works, additional field surveys for Southern Myotis must be undertaken. The surveys must confirm whether Southern Myotis are identified as using the construction footprint for breeding, roosting and/or foraging purposes. The survey results must be used to inform the preparation of the Construction Flora and Fauna Management Plan required by Condition C4(c) and the Microbat Management Plan proposed in the documents listed in Condition 1A of Schedule 1.	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>The Proposed Change does not involve any clearing of vegetation that may cause additional impacts to Southern Myotis or Southern Myotis habitat.</p>	Yes
	Note: If additional impacts to the Southern Myotis are required to be offset above that required in Table 5, an updated BDAR must be prepared and Table 5 modified.		

No.	Conditions of Approval	Discussion	Consistent
D8	Evidence of the retirement of credits in satisfaction of Condition D4 or payment to the Biodiversity Conservation Fund in satisfaction of Condition D5 must be provided to the Planning Secretary prior to impacts on the relevant biodiversity values.	The Proposed Change would not impact on compliance with this condition.	Yes
D10	<p>Prior to vegetation clearing, the Proponent must identify where it is practicable for Modification 6 to reuse native trees and vegetation that are to be removed. If it is not possible for Modification 6 to reuse removed native trees and vegetation, the Proponent must consult with one or more of the following; the relevant council(s), NSW National Parks & Wildlife Service, Western Sydney Parklands Trust, Greater Sydney Local Land Services, Landcare groups, DPI Fisheries and any additional relevant government agencies. This consultation should determine if:</p> <p>(a) hollows, tree trunks (greater than 25-30 centimetres in diameter and 2-3 metres in length), mulch, bush rock and root balls salvaged from native vegetation impacted by Modification 6; and</p> <p>(b) collected plant material, seeds and/or propagated plants from native vegetation impacted by Modification 6,</p> <p>could be used by others in habitat enhancement and rehabilitation work, before pursuing other disposal options.</p>	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>No vegetation clearing is to occur within Zone C-1. Topsoil and planted vegetation to be removed within the Gore Section will be contaminated with weeds resulting in the reuse of plant material being deemed unfeasible.</p>	Yes
D11	Revegetation and the provision of replacement trees must be informed by a Tree Survey undertaken during detailed design. The Tree Survey must identify the number, type and location of any trees to be removed, except for trees that are offset under Condition D4. The Tree Survey must be submitted to the Planning Secretary for information with the Design and Landscape Plan required under Condition D19.	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>No trees are to be removed within Zone C-1. There are no trees located within the Gore Section.</p>	Yes

No.	Conditions of Approval	Discussion	Consistent
D12	<p>Where trees are to be removed, the Proponent must provide a net increase in the number of replacement trees at a ratio of 2:1, except trees that are offset under Condition D4. Replacement trees must have a minimum pot size consistent with the relevant authority's plans / programs / strategies for vegetation management, street planting, or open space landscaping, or as agreed by the relevant authority(ies). Replacement trees and plantings must deliver an increase in tree canopy and aim to enhance the relevant council's position in respect of the Sydney Green Grid, unless otherwise agreed by the Planning Secretary.</p> <p>Note: For the purposes of this condition, the relevant authority is that State or local government authority that owns or manages the land on which the replacement trees will be planted.</p>	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>No trees are to be removed within Zone C-1. There are no trees located within the Gore Section.</p>	Yes
D13	Modification 6 must be constructed in a manner that minimises visual impacts of construction ancillary facilities, including providing screening of ancillary facilities, minimising light spill, and incorporating finishes within key elements of temporary structures that reflect the context within which the construction sites are located, including recognition of Country.	The Proposed Change would not impact on compliance with this condition. It is an administrative change to Zone C-1.	Yes
D24	<p>A Vegetation Management Plan (VMP) must be prepared by a qualified ecologist to inform revegetation of creek-side vegetation (including all areas of River Flat Eucalyptus Forest identified for rehabilitation in the documents listed in Condition 1A of Schedule 1), and must be included as part of the DLP. The VMP must include:</p> <p>(a) the identification of proposed Plant Community Types (PCT) and the local provenance native species representative of the PCTs present, to be planted in the locations of disturbance, including those required by Condition D9;</p> <p>(b) site specific plans and rehabilitation measures for each area to be rehabilitated; and</p>	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>No vegetation is to be cleared within Zone C-1. The Gore Section was classified as planted non PCT vegetation.</p>	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(c) specific measures to address weed management, erosion and sediment control/bank stabilization, rubbish removal and habitat supplementation.</p> <p>The VMP must be prepared in consultation with a qualified bushland regenerator.</p>		
D28	Measures identified in the documents listed in Condition 1A of Schedule 1 to minimise the impact of Modification 6 on flood behaviour, must be incorporated into the detailed design of Modification 6. The incorporation of these measures into the detailed design must be reviewed and endorsed by a suitably qualified flood consultant, who is independent of the project's design and construction, in consultation with directly affected landowners, DPE Water, DPI Fisheries, Environment and Heritage Group, NSW State Emergency Service (SES) and relevant Councils.	The Proposed Change would not impact on compliance with this condition.	Yes
D30	<p>Unless otherwise agreed by the Planning Secretary, Modification 6 must be built to limit impacts on flooding characteristics in areas outside the project boundary during any flood event up to and including the 1% AEP flood event, to the following:</p> <p>(a) a maximum increase in inundation time of one hour;</p> <p>(b) a maximum increase of 10 mm in above-floor inundation to habitable rooms where floor levels are currently exceeded;</p> <p>(c) no above-floor inundation of habitable rooms which are currently not inundated;</p> <p>(d) a maximum increase of 50 mm in inundation of land zoned as residential, industrial or commercial;</p> <p>(e) a maximum increase of 100 mm in inundation of land zoned as rural, primary production, environment zone or public recreation;</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(f) no significant increase in the flood hazard or risk to life; and</p> <p>(g) maximum relative increase in velocity of 10%, where the resulting velocity is greater than 1.0 m/s, unless adequate scour protection measures are implemented and/or the velocity increases do not exacerbate erosion as demonstrated through site-specific risk of scour or geomorphological assessments.</p> <p>Where the requirements set out in clauses (d), (e) and (g) cannot be met alternative flood levels or mitigation measures may be agreed to with the affected landowner.</p> <p>In the event that the Proponent and the affected landowner cannot agree on the measures to mitigate the impact as described in clauses (d), (e) and (g), the Proponent must engage a suitably qualified and experienced independent person to advise and assist in determining the impact and relevant mitigation measures.</p>		
D32	All reasonable steps must be taken so as not to harm, modify or otherwise impact Aboriginal objects.	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>An AHIMS search was conducted for Zone C-1 and the Gore Section. No Aboriginal objects were found from the AHIMS search (refer to Appendix F)</p>	Yes
D33	The LALCs and the stakeholders identified in Appendix E of the Submissions Report (if interest is expressed in further consultation) must be kept regularly informed about Modification 6. The LALCs must continue to be provided with the opportunity to be consulted about the Aboriginal cultural heritage management requirements of Modification 6.	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
D34	Where previously unidentified Aboriginal objects are discovered, all work must immediately stop in the vicinity of the affected area. Works potentially affecting the previously unidentified objects and places must not recommence until Heritage NSW has been informed. The measures to consider and manage this process must be specified in the Unexpected Heritage Finds and Human Remains Procedure required by Condition D35 and include registration in the Aboriginal Heritage Information Management System (AHIMS).	The Proposed Change would not impact on compliance with this condition.	Yes
D36	<p>The Unexpected Heritage Finds and Human Remains Procedure, as submitted to the Planning Secretary, must be implemented for the duration of Work.</p> <p>Where archaeological investigations have been undertaken as a result of Unexpected Finds notifications then a Final Archaeological Report must be provided in accordance with Heritage Council guidance and standard requirements for final reporting under Excavation Permits.</p> <p>Note: Human remains that are found unexpectedly during the carrying out of work may be under the jurisdiction of the NSW State Coroner and must be reported to the NSW Police immediately.</p>	The Proposed Change would not impact on compliance with this condition.	Yes
D38	<p>Work must be undertaken during the following hours:</p> <p>(a) 7:00 am to 6:00 pm Mondays to Fridays, inclusive;</p> <p>(b) 8:00 am to 6:00 pm Saturdays; and</p> <p>(c) at no time on Sundays or public holidays.</p>	The Proposed Change would not impact on compliance with this condition.	Yes
D39	Except as permitted by an EPL, highly noise intensive works that result in an exceedance of the applicable NML at the same receiver must only be undertaken:	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(a) between the hours of 8:00 am to 6:00 pm Monday to Friday;</p> <p>(b) between the hours of 8:00 am to 1:00 pm Saturday; and</p> <p>(c) if continuously, then not exceeding three (3) hours, with a minimum cessation of work of not less than one hour.</p> <p>For the purposes of this condition, 'continuously' includes any period during which there is less than one hour between ceasing and recommencing any of the work.</p>		
D40	<p>Notwithstanding Conditions D38 and D39 work may be undertaken outside the hours specified in the following circumstances (a, b or c):</p> <p>(a) Safety and Emergencies, including:</p> <p>(i) for the delivery of materials required by the NSW Police Force or other authority for safety reasons; or</p> <p>(ii) where it is required in an emergency to avoid injury or the loss of life, to avoid damage or loss of property or to prevent environmental harm.</p> <p>On becoming aware of the need for emergency work in accordance with Condition D40(a), the AA, the ER, the Planning Secretary and the EPA must be notified of the reasons for such work. Best endeavors must be used to notify all noise and/or vibration affected residents and owners/occupiers of properties identified sensitive land use(s) of the likely impact and duration of those work.</p> <p>(b) Work that meets any of the following criteria:</p>	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>The necessary approvals would be obtained for any out of hours work required for the Proposed Change.</p>	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(i) Work that causes LAeq(15 minute) noise levels:</p> <ul style="list-style-type: none"> • no more than 5 dB(A) above the rating background level at any residence in accordance with the ICNG, and • no more than the 'Noise affected' NMLs specified in Table 3 of the ICNG at other sensitive land use(s); or <p>(ii) LAFmax(15 minute) noise levels no more than 15 dB(A) above the rating background level at any residence during the night time period; and; (iii) Work that causes:</p> <ul style="list-style-type: none"> • continuous or impulsive vibration values, measured at the most affected residence are no more than the preferred values for human exposure to vibration, specified in Table 2.2 of Assessing Vibration: a technical guideline (DEC, 2006), or • intermittent vibration values measured at the most affected residence are no more than the preferred values for human exposure to vibration, specified in Table 2.4 of Assessing Vibration: a technical guideline (DEC, 2006). <p>(c) By Approval, including:</p> <p>(i) where different construction hours are permitted or required under an EPL in force in respect of Modification 6; or</p> <p>(ii) works which are not subject to an EPL that are approved under an Out-of-Hours Work Protocol as required by Condition D41; or</p> <p>(iii) negotiated agreements with directly affected residents and sensitive land use(s).</p>		
D41	<p>An Out-of-Hours Work Protocol must be prepared to identify a process for the consideration, management and approval of work which is outside the hours defined in Condition D38, and that are not subject to an EPL. The Protocol must be prepared in consultation with the ER and AA. The Protocol must include:</p>	<p>The Proposed Change would not impact on compliance with this condition.</p>	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(a) identification of low and high-risk activities and an approval process that considers the risk of activities, proposed mitigation, management, and coordination, including where:</p> <p>(i) the ER and AA review all proposed out-of-hours activities and confirm their risk levels,</p> <p>(ii) low risk activities can be approved by the ER in consultation with the AA, and</p> <p>(iii) high risk activities that are approved by the Planning Secretary;</p> <p>(b) a process for the consideration of out-of-hours work against the relevant NML and vibration criteria;</p> <p>(c) a process for selecting and implementing mitigation measures for residual impacts in consultation with the community at each affected location, including respite periods consistent with the requirements of Condition D60. The measures must take into account the predicted noise levels and the likely frequency and duration of the out-of-hours works that sensitive land use(s) would be exposed to, including the number of noise awakening events;</p> <p>(d) procedures to facilitate the coordination of out-of-hours work including those approved by an EPL or undertaken by a third party, to ensure appropriate respite is provided; and</p> <p>(e) notification arrangements for affected receivers for approved out-of-hours work and notification to the Planning Secretary of approved low risk out-of-hours works.</p> <p>The Protocol must be submitted to and approved by the Planning Secretary before commencement of the out-of-hours work and implemented during</p>		

No.	Conditions of Approval	Discussion	Consistent
	<p>Work which is outside the hours defined in Conditions D38 and not subject to an EPL.</p> <p>Adherence to the Protocol does not apply if the requirements of Condition D40(a) or (b) are met.</p> <p>Notes: 1. Conditions D54 and D55 provide additional parameters to be considered.</p> <p>Notes: 2. If the Work is subject to an EPL and the EPA does not endorse extended hours as part of the EPL, the extended hours cannot be considered under this Protocol.</p>		
D42	<p>Mitigation measures must be implemented with the aim of achieving the following construction noise and vibration outcomes:</p> <p>(a) construction 'Noise affected' NMLs established using the Interim Construction Noise Guideline (DECC, 2009);</p> <p>(b) vibration criteria established using the Assessing vibration: a technical guideline (DEC, 2006) (for human exposure);</p> <p>(c) Australian Standard AS 2187.2 - 2006 "Explosives - Storage and Use - Use of Explosives";</p> <p>(d) BS 7385 Part 2-1993 "Evaluation and measurement for vibration in buildings Part 2" as they are "applicable to Australian conditions"; and</p> <p>(e) the vibration limits set out in the German Standard DIN 4150-3: Structural Vibration- effects of vibration on structures (for structural damage).</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>Work that exceeds the noise management levels and/or vibration criteria must be managed in accordance with the Noise and Vibration CEMP Sub-plan.</p> <p>Note: The ICNG identifies 'particularly annoying' activities that require the addition of 5 dB(A) to the predicted level before comparing to the construction NML.</p>		
D43	Mitigation measures must be implemented prior to construction at residential receivers where a relative increase in road traffic noise of greater than 2 dB(A) are expected as a result of traffic detours (presented in Table 7-23 of the Modification Report as identified in Condition 1A(a) of Schedule 1).	The Proposed Change would not impact on compliance with this condition.	Yes
D44	<p>Mitigation measures must be applied when the following residential ground-borne noise levels are exceeded:</p> <p>(a) evening (6:00 pm to 10:00 pm) — internal LAeq(15 minute): 40 dB(A); and</p> <p>(b) night (10:00 pm to 7:00 am) — internal LAeq(15 minute): 35 dB(A).</p> <p>The mitigation measures must be outlined in the Noise and Vibration CEMP Sub-plan, including in any Out-of-Hours Work Protocol, required by Condition D41.</p>	The Proposed Change would not impact on compliance with this condition.	Yes
D45	Noise generating work in the vicinity of community, religious, educational institutions, noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories and operating theatres) resulting in noise levels above the NMLs must not be timetabled during sensitive periods, unless other reasonable arrangements with the affected institutions are made at no cost to the affected institution.	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
D46	At no time can noise generated by construction exceed the National Standard for exposure to noise in the occupational environment of an eight-hour (8hr) equivalent continuous A-weighted sound pressure level of LAeq,8h of 85 dB(A) for any employee working at a location near Modification 6.	The Proposed Change would not impact on compliance with this condition.	Yes
D47	Construction Noise and Vibration Impact Statements (CNVIS) must be prepared for work that may exceed the noise management levels, vibration criteria and/or ground-borne noise levels specified in Condition D42 and Condition D44 at any residence outside construction hours identified in Condition D38, or where receivers will be highly noise affected. The CNVIS must include specific mitigation measures identified through consultation with affected sensitive land use(s) and the mitigation measures must be implemented for the duration of the works. A copy of the CNVIS must be provided to the AA and ER prior to the commencement of the associated works. The Planning Secretary may request a copy/ies of CNVIS.	The Proposed Change would not impact on compliance with this condition.	Yes
D48	Owners and occupiers of properties at risk of exceeding the screening criteria for cosmetic damage must be notified before work that generates vibration commences in the vicinity of those properties. If the potential exceedance is to occur more than once or extend over a period of 24 hours, owners and occupiers are to be provided a schedule of potential exceedances on a monthly basis for the duration of the potential exceedances, unless otherwise agreed by the owner and occupier. These properties must be identified and considered in the Noise and Vibration CEMP Sub-plan required by Condition C4 and the Community Communication Strategy required by Condition B1.	The Proposed Change would not impact on compliance with this condition.	Yes
D49	Industry best practice construction methods must be implemented where reasonably practicable to ensure that noise levels are minimised. Practices must include, but are not limited to:	The Proposed Change would not impact on compliance with this condition.	Yes
	(a) use of regularly serviced low sound power equipment;		
	(b) early occupation and later release of road carriageways and construction sites;		

No.	Conditions of Approval	Discussion	Consistent
	(c) scheduling of noisiest works before 11.00 pm Sunday to Thursday and before 12 midnight Friday and Saturday;		
	(d) temporary noise barriers (including the arrangement of plant and equipment) around noisy equipment and activities such as rock hammering and concrete cutting; and (e) use of alternative construction and demolition techniques.		
D50	Vibration testing must be undertaken before and during vibration generating activities that have the potential to impact on heritage items to identify minimum working distances to prevent cosmetic damage. In the event that the vibration testing and attended monitoring shows that the preferred values for vibration are likely to be exceeded, the construction methodology must be reviewed and, if necessary, additional mitigation measures implemented.	The Proposed Change would not impact on compliance with this condition. No heritage items are known to occur within or near Zone C-1 and the Gore Section.	Yes
D53	All work undertaken for the delivery of Modification 6, including those undertaken by third parties (such as utility relocations), must be coordinated to ensure respite periods are provided. This must include:	The Proposed Change would not impact on compliance with this condition.	Yes
	(a) rescheduling work to provide respite to impacted noise sensitive land use(s) so that the respite is achieved in accordance with Condition D54; or		
	(b) the provision of alternative respite or mitigation to impacted noise sensitive land use(s); and		
	(c) the provision of documentary evidence to the AA in support of any decision made in relation to respite or mitigation.		
	The consideration of respite must also include all other CSSI, SSI and SSD projects which may cause cumulative and/or consecutive impacts at receivers affected by the delivery of Modification 6.		
D54	In order to undertake out-of-hours work outside the hours specified under Condition D38, the appropriate respite periods must be identified for the out-		Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>of-hours work in consultation with the community at each affected location on a regular basis.</p> <p>This consultation must include (but not be limited to) providing the community with:</p> <p>(a) a progressive schedule for periods no less than three (3) months, of likely out-of-hours work;</p> <p>(b) a description of the potential work, location and duration of the out-of-hours work;</p> <p>(c) the noise characteristics and likely noise levels of the work; and</p> <p>(d) likely mitigation and management measures which aim to achieve the relevant noise management levels and vibration criteria under Condition D42 (including the circumstances of when respite or relocation offers will be available and details about how the affected community can access these offers).</p> <p>The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour work must be provided to the AA, ER, EPA and the Planning Secretary for information prior to undertaking the work scheduled for the subject period.</p> <p>Note: Respite periods can be any combination of days or hours where out-of-hours work would not be more than 5 dB(A) above the rating background noise level at any residence.</p>	<p>The Proposed Change would not impact on compliance with this condition.</p>	
D55	<p>Work outside the hours specified in Condition D38 which result in an exceedance of the relevant NML at the same sensitive land use(s) can only be undertaken in accordance with the following:</p>	<p>The Proposed Change would not impact on compliance with this condition.</p>	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(a) two consecutive evenings and/or nights per week; or</p> <p>(b) three non-consecutive evenings and/or nights per week; or</p> <p>(c) 10 evenings and/or nights per month; or</p> <p>(d) except as identified by an EPL; or</p> <p>(e) in accordance with an agreement with a potentially impacted receiver(s) as required by Condition D40(c)(iii).</p>	The necessary approvals would be obtained for any out of hours work required for the Proposed Change. The approval would consider all aspects outlined in this condition.	
D56	<p>Mitigation measures such as temporary alternative accommodation or other agreed mitigation measures, must be offered/ made available to residents affected by out-of-hours Work (including where utility works are being undertaken for Modification 6 or under a road occupancy licence) where the construction noise levels between:</p> <p>(a) 10:00 pm and 7:00 am, Monday to Friday;</p> <p>(b) 10:00 pm Saturday to 8:00 am Sunday; and</p> <p>(c) 6:00 pm Sunday and public holidays to 7:00 am the following day unless that day is Saturday then to 8:00 am,</p> <p>are predicted to exceed the NML by 25 dB(A) or are greater than 75 dBA (LAeq(15 min)), whichever is the lesser and the impact is planned to occur for more than two (2) nights over a seven (7) day rolling period.</p> <p>The NML must be reduced by 5 dB where the noise contains annoying characteristics and may be increased by 10 dB if the property has received at-property noise treatment. The noise levels and duration requirements identified in this condition may be changed through an EPL applying to Modification 6.</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
D57	The Proponent must identify the utilities and services (hereafter “services”) potentially affected by construction to determine requirements for diversion, protection and/or support. Alterations to services must be determined by negotiation between the Proponent and the service providers. The Proponent in consultation with service providers must ensure that disruption to services resulting from the Activity are avoided where practical and advised to customers.	The Proposed Change would not impact on compliance with this condition.	Yes
D58	The Proponent must offer pre-construction surveys to the owners of surface and sub-surface structures and other relevant assets identified at risk from vibration, including all listed heritage items and buildings/structures of heritage significance as identified in the documents listed in Condition 1A of Schedule 1. Where the offer is accepted, the survey must be undertaken by a suitably qualified and experienced engineer and/or building surveyor prior to the commencement of vibration generating works that could impact on the structure/asset. The results of each survey must be documented in a Pre-construction Condition Survey Report and the report must be provided to the owner of the item(s) surveyed no later than one month before the commencement of all other potentially impacting works.	The Proposed Change would not impact on compliance with this condition.	Yes
D59	Where pre-construction surveys have been undertaken in accordance with Condition D58, subsequent post-construction surveys of the structure / asset must be undertaken by a suitably qualified and experienced engineer and/or building surveyor to assess damage that may have resulted from the vibration-generating works. The results of the post-construction surveys must be documented in a Post-Construction Condition Survey Report for each item surveyed. The Postconstruction Condition Survey Reports must be provided to the owner of the structures/assets surveyed, and no later than four months following the completion of construction activities that have the potential to impact on the structure / asset.	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
D60	Where damage has been determined to occur as a result of Modification 6, the Proponent must carry out rectification at its expense and to the reasonable requirements of the owner of the structure/asset within nine months of the completion of construction activities that have the potential to create damage unless another timeframe is agreed with the owner. Alternatively, the Proponent may pay compensation for the damage as agreed with the owner.	The Proposed Change would not impact on compliance with this condition.	Yes
D63	Access to construction compounds or works must not occur on National Parks and Wildlife Service (NPWS) estate as part of this modification unless authorisation is granted by NPWS under the National Parks and Wildlife Act 1974 (NPW Act) or the National Parks and Wildlife Regulation 2019. The Western Sydney Regional Park must not be used to gain access to the construction footprint, ancillary facilities, or for the storage of materials, equipment, workers' vehicles or machinery at any time, unless authorisation is granted by NPWS under the National Parks and Wildlife Act 1974 (NPW Act) or the National Parks and Wildlife Regulation 2019.	The Proposed Change would not impact on compliance with this condition.	Yes
D64	Prior to any works adjacent to the Western Sydney Regional Park, demarcation of the construction boundary must be undertaken to reduce the risk of accidental encroachments or damage to the park.	The Proposed Change would not impact on compliance with this condition.	Yes
D65	Prior to the commencement of any Work that results in the disturbance of land in any particular area, erosion and sediment controls must be installed and maintained, as a minimum, in accordance with the publication Managing Urban Stormwater: Soils & Construction (4th edition, Landcom 2004) commonly referred to as the 'Blue Book'.	The Proposed Change would not impact on compliance with this condition.	Yes
D66	A Sampling and Analysis Quality Plan (SAQP) must be prepared for medium and high risk sites as identified in the documents referred to in Condition 1A of Schedule 1 to ensure that field investigations and analyses will be undertaken in a way that enables the collection and reporting of reliable data to meet project objectives, including (where applicable) the relevant site characterisation requirements of the detailed or targeted site investigations. The SAQP must:	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(a) be prepared (or reviewed and approved) by consultants certified under either the Environment Institute of Australia and New Zealand's Certified Environmental Practitioner (Site Contamination) scheme (CEnvP(SC)) or the Soil Science Australia Certified Professional Soil Scientist Contaminated Site Assessment and Management (CPSS CSAM) scheme;</p> <p>(b) be prepared in accordance with relevant guidelines made or approved by the EPA under section 105 of the Contaminated Land Management Act 1997.</p>		
D67	<p>Detailed Site Investigations to confirm moderate and high risk contaminated sited identified in Preliminary Site Investigation in Condition 1A of Schedule 1 must be prepared, or reviewed and approved by a Contaminated Land Consultant certified under either the Environment Institute of Australia or New Zealand's "Certified Environmental Practitioner" (Site Contamination) scheme (CEnvP(SC)) or the Soil Science Australia "Certified Professional Soil Scientist Contaminated Site Assessment and Management (CPSS CSAM) scheme.</p> <p>The Detailed Site Investigations must be undertaken before ground disturbance in areas identified in the documents under Condition 1A of Schedule 1 as moderate to high risk contamination.</p>	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>Zone C-1 has been identified as potentially contaminated within the M7 EAD and SAP. John Holland has previously undertaken a Pre-Condition Land Contamination Assessment (PCLCA) prior to previous occupations of this site which did not identify any contamination.</p> <p>No ground disturbance will be conducted within Zone C-1, whereby the risk of potentially contaminated land is lower considering the ground surface will not to be broken.</p> <p>Part of the Gore Section has been identified within the M7 EAD as falling within an area of moderate to high risk of contamination. The risk of potentially contaminated land within the Gore Section will be managed by the attainment of a DSI once access to the area is obtained. Topsoil stripping will be supervised by an appropriately qualified contamination expert. Any potential hazards and risks will be managed as per the CEMP, CLMP and sub-plans.</p>	Yes

No.	Conditions of Approval	Discussion	Consistent
D68	If a Detailed Site Investigation identifies moderate or high risk contamination, a NSW EPA accredited Site Auditor must be engaged to provide independent oversight for any work required in relation to areas of moderate or high risk contamination is appropriately managed.	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>No ground disturbance is to occur within Zone C-1. A DSI will be obtained for the Gore Section once safe access is granted to the area. Topsoil stripping within the Gore Section will be supervised by an appropriately qualified contamination expert. Any potential hazards and risks will be managed as per the CEMP, CLMP and sub-plans.</p>	Yes
D69	<p>A Detailed Site Investigation Report must be prepared and submitted to the Planning Secretary for information following the completion of Detailed Site Investigations required by Condition D67 and:</p> <p>(a) be prepared (or reviewed and approved) by a Contaminated Land Consultant certified under either the Environment Institute of Australia or New Zealand's "Certified Environmental Practitioner" (Site Contamination) scheme (CEnvP(SC)) or the Soil Science Australia "Certified Professional Soil Scientist Contaminated Site Assessment and Management (CPSS CSAM) scheme;</p> <p>(b) be prepared in accordance with relevant guidelines made or approved by the EPA under section 105 of the Contaminated Land Management Act 1997 (NSW); and</p> <p>(c) be reviewed by a NSW EPA-accredited Site Auditor (if a Detailed Site Investigation identify moderate or high-risk contamination). The Site Auditor must issue interim audit advice stating whether the Detailed Site Investigations appropriately categorises risk, the appropriateness of the Report and any proposed management measures. The Detailed Site Investigation Report and interim audit advice must be submitted to the Planning Secretary for information.</p> <p>Nothing in this condition prevents the Proponent from preparing individual Site Contamination Reports for separate sites.</p>	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>John Holland has previously undertaken a Pre-Condition Land Contamination Assessment (PCLCA) of Zone C-1 prior to previous occupations of this site which did not identify any contamination. No ground disturbance is to occur within Zone C-1.</p> <p>A Detailed Site Investigation Report will be provided for the Gore Section, once a DSI is conducted.</p>	Yes

No.	Conditions of Approval	Discussion	Consistent
D70	<p>If remediation is required to make land suitable for the intended land use, a Remedial Action Plan must:</p> <p>(a) be prepared (or reviewed and approved) by consultants certified under either the Environment Institute of Australia and New Zealand's Certified Environmental Practitioner (Site Contamination) scheme (CEnvP(SC)) or the Soil Science Australia Certified Professional Soil Scientist Contaminated Site Assessment and Management (CPSS CSAM) scheme; and</p> <p>(b) be prepared in accordance with relevant guidelines made or approved by the EPA under section 105 of the Contaminated Land Management Act 1997;</p> <p>(c) include measures to remediate the contamination at the site to ensure the site will be suitable for the proposed use and detail how the environmental and human health risks will be managed during the disturbance, remediation and/or removal of contaminated soil/sediment or groundwater; and</p> <p>(d) be reviewed by a NSW EPA-accredited Site Auditor. The Site Auditor must issue a Section B Site Audit Statement or interim audit advice which certifies that the Remedial Action Plan is appropriate to remediate identified contamination.</p> <p>Nothing in this condition prevents the preparation of individual Remedial Action Plans for separate sites.</p>	The Proposed Change would not impact on compliance with this condition.	Yes
D71	Before commencing remediation, a copy of the Remedial Action Plan and the Section B Site Audit Statement, or interim audit advice, must be submitted to the Planning Secretary for information.	The Proposed Change would not impact on compliance with this condition.	Yes
D72	The Remedial Action Plan must be implemented and changes to the Remedial Action Plan must be approved in writing by the NSW EPA accredited Site Auditor. A copy of the revised Remedial Action Plan must be provided to the Planning Secretary for information.	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	Nothing in this condition prevents the Proponent from engaging the Site Auditor to prepare Site Audit Statements for separate sites.		
D73	A Section A1 or A2 Site Audit Statement (accompanied by an Environmental Management Plan) and its accompanying Site Audit Report, which state that the contaminated land disturbed by the work has been made suitable or can be made suitable for the intended land use, must be submitted to the Planning Secretary and Council after remediation and before the commencement of operation of Modification 6.	The Proposed Change would not impact on compliance with this condition.	Yes
	Nothing in this condition prevents the Proponent from obtaining Section A Site Audit Statements for individual parcels of remediated land.		
D74	Contaminated land must not be used for the purpose approved under the terms of this approval until a Section A1 or A2 Site Audit Statement is obtained which states that the land is suitable for that purpose and any conditions on the Section A Site Audit Statement have been complied with.	The Proposed Change would not impact on compliance with this condition.	Yes
D75	An Unexpected Finds Procedure for Contamination must be prepared before the commencement of Work. The procedure must:	The Proposed Change would not impact on compliance with this condition.	Yes
	(a) be followed should unexpected contamination or asbestos (or suspected contamination) be excavated or otherwise discovered,		
	(b) include details of who will be responsible for implementing the unexpected finds procedure and the roles and responsibilities of all parties involved; and		
	(c) be prepared, (or reviewed and approved), by consultants certified under either the Environment Institute of Australia and New Zealand's Certified Environmental Practitioner (Site Contamination) scheme (CEnvP(SC)) or the Soil Science Australia Certified Professional Soil Scientist Contaminated Site Assessment and Management (CPSS CSAM) scheme.		

No.	Conditions of Approval	Discussion	Consistent
	Note: Should any unexpected moderate to high risk contamination be identified during Work, the contamination process identified in the conditions above applies.		
D76	The Unexpected Finds Procedure for Contamination must be implemented during Work.	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>The Unexpected Finds Procedure for Contamination would be implemented during work involved with the Proposed Change. No vegetation clearing will occur within Zone C-1. Topsoil stripping within the Gore Section will be supervised by an appropriately qualified contamination expert.</p>	Yes
D78	The Sustainability Strategy must be implemented throughout construction of Modification 6 and operation of the modified project.	The Proposed Change would not impact on compliance with this condition.	Yes
D79	<p>A Water Reuse Strategy must be prepared, which sets out options for the reuse of collected stormwater during construction. The Water Reuse Strategy must include, but not be limited to:</p> <p>(a) evaluation of reuse options;</p> <p>(b) details of the preferred reuse option(s), including volumes of water to be reused, proposed reuse locations and/or activities, proposed treatment (if required), and any additional licences or approvals that may be required;</p> <p>(c) measures to avoid misuse of recycled water as potable water;</p> <p>(d) consideration of the public health risks from water recycling; and</p> <p>(e) a time frame for the implementation of the preferred reuse option(s).</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>The Water Reuse Strategy must be prepared based on best practice and advice sought from relevant agencies, as required. The Strategy must be applied during construction of Modification 6.</p> <p>Justification must be provided to the Planning Secretary if it is concluded that no reuse options prevail.</p> <p>A copy of the Water Reuse Strategy must be made publicly available.</p> <p>Note: Contaminated groundwater must be disposed of in accordance with Condition D111.</p>		
D80	Access to all utilities and properties must be maintained during construction, where practicable, unless otherwise agreed with the relevant utility owner, landowner or occupier.	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>The Proposed Change would not impact on access to utilities or properties where an agreement with the relevant utility owner, landowner or occupier has not previously been reached.</p>	Yes
D81	Any property access physically affected by Modification 6 must be reinstated to at least an equivalent standard, unless otherwise agreed by the landowner or occupier.	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>Property access would not be physically affected by the proposed change.</p>	Yes
D83	Local roads proposed to be used by heavy vehicles to directly access the construction boundary and ancillary facilities that are not listed in Table 6-6 of Appendix D of the Modification Report (as listed in Condition 1A(a) of Schedule 1) must be approved by the Planning Secretary and included in the Traffic, Transport and Access Management CEMP Sub-plan.	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>No local roads would be affected by the Proposed Change.</p>	Yes

No.	Conditions of Approval	Discussion	Consistent
D84	<p>All requests to the Planning Secretary under Condition D83 must include a traffic and pedestrian impact assessment and be prepared in consultation with the relevant council(s). The assessment must be undertaken by an appropriately qualified and experienced person and must include a swept path analysis if required by the Department. The traffic and pedestrian impact assessment must:</p> <p>(a) demonstrate that the use of local roads will not compromise the safety of the public and have no more than minimal amenity impacts;</p> <p>(b) provide details as to the date of completion of road dilapidation surveys for the subject local roads; and</p> <p>(c) describe the measures that will be implemented to avoid where practicable the use of local roads past schools, aged care facilities and childcare facilities during peak times for operation.</p> <p>The outcomes and recommendations of the traffic and pedestrian impact assessment must be incorporated into the Construction Ancillary Facility Site Establishment Management Plan or Traffic Management CEMP Sub-plan as relevant.</p>	The Proposed Change will not impact on compliance with this condition.	Yes
D85	Before any local road is used by a heavy vehicle for the purposes of the modification, a Road Dilapidation Report must be prepared for the road unless otherwise agreed to by the relevant road authority. A copy of the Road Dilapidation Report must be provided to the relevant council within three weeks of completion of the survey and no later than two weeks before the road being used by heavy vehicles associated with Modification 6.	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	If damage to roads occurs as a result of the construction of the modification, the Proponent must rectify the damage to restore the road to at least the condition it was in pre-construction in consultation with the relevant road authority. Rectification works must be undertaken within three months of the subject road no longer being used for the construction of Modification 6 unless an alternative timeframe is agreed to by the relevant road authority.		
D87	Safe pedestrian and cyclist access must be maintained around work sites during construction. In circumstances where pedestrian and cyclist access is restricted or removed due to construction activities, a proximate alternative route which complies with relevant standards, unless otherwise endorsed by an independent, appropriately qualified and experienced person, must be provided (including signposting) prior to the restriction or removal of the impacted access.	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>Access will be maintained for the SUP located to the East of Zone C-1 and to the West of the Goar Section.</p>	Yes
D89	<p>During construction, all practicable measures must be implemented to maintain pedestrian and vehicular access to, and parking in the vicinity of, businesses and affected properties. Disruptions are to be avoided, and where avoidance is not possible, minimised. Where disruption cannot be minimised, alternative pedestrian and vehicular access, and parking arrangements must be developed in consultation with affected businesses and implemented prior to the disruption.</p> <p>Adequate signage and directions to businesses must be provided prior to, and for the duration of, any disruption.</p>	<p>The Proposed Change would not impact on compliance with this condition.</p> <p>Vehicle access to Zone C-1 will be via Wallgrove Road. Vehicle Access to the Gore Section will be via the M7 Motorway and M4 Off-ramp. All vehicles will be parked within the Project Boundary.</p>	Yes
D91	<p>Temporary active transport facilities and detours must be designed, constructed and/or rectified in accordance with:</p> <p>(a) the process set out in the Movement and Place Framework (NSW Government) and the Cycleway Design Toolbox: Designing for Cycling and Micromobility (TfNSW, 2020);</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(b) the Guide to Road Design Part 6A: Paths for Walking and Cycling (Austroads 2017) where not otherwise covered by (a);</p> <p>(c) relevant Australian Standards (AS) such as AS 1428.1-2009 Design for access and mobility;</p> <p>(d) relevant Crime Prevention Through Environmental Design (CPTED) principles; and</p> <p>(e) recommendations arising from consultation with relevant Councils, Bicycle NSW, Bike North, the CAMWEST Bicycle User Group and other relevant local bicycle user groups, where reasonable.</p> <p>Where site constraints prevent the provision of temporary active transport facilities that achieve the requirements of (a) - (e) listed above, the Proponent must write to the Planning Secretary identifying:</p> <p>(i) where the temporary active transport facilities are located; and</p> <p>(ii) which elements of the requirements of Condition D91 (a) - (e) cannot be met and why this is acceptable.</p> <p>Note: In the event of an inconsistency, the latest guidance document prevails to the extent of the inconsistency.</p>		
D92	<p>Any new permanent active transport facilities must be designed, constructed and/or rectified in accordance with:</p> <p>(a) the process set out in the Movement and Place Framework (NSW Government) and the Cycleway Design Toolbox: Designing for Cycling and Micromobility (TfNSW, 2020);</p>	<p>The Proposed Change will not impact on compliance with this condition.</p> <p>The Proposed Change does not involve any new permanent active transport facilities.</p>	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(b) the Guide to Road Design Part 6A: Paths for Walking and Cycling (Austroads 2017) where not otherwise covered by (a);</p> <p>(c) relevant Australian Standards (AS) such as AS 1428.1-2009 Design for access and mobility;</p> <p>(d) relevant Crime Prevention Through Environmental Design (CPTED) principles; and</p> <p>(e) recommendations arising from consultation with relevant Councils, Bicycle NSW, Bike North, the CAMWEST Bicycle User Group and other relevant local bicycle user groups, where reasonable.</p> <p>Note: In the event of an inconsistency, the latest guidance document prevails to the extent of the inconsistency.</p>		
D94	Modification 6 must not preclude Blacktown City Council's delivery of the Mavis Street – Blacktown International Sports Park active transport link. The Proponent must facilitate an interface agreement with Blacktown City Council and provide access to Council until 31 December 2023 to enable the construction of the active transport link by this date. If Council has not commenced construction of the active transport link by 30 June 2023 to enable completion of construction by 31 December 2023, the Proponent must facilitate access to Council as soon as construction in this area is completed to facilitate construction of the active transport link.	The Proposed Change would not impact on compliance with this condition.	Yes
D96	An independent Road Safety Audit must be undertaken to assess the safety performance of new or modified local road, parking, pedestrian and cycle infrastructure provided as part of Modification 6 (including ancillary facilities) to ensure that they meet the requirements of relevant design, engineering and safety guidelines, including Austroads Guide to Traffic Management.	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	The audit must be undertaken by an appropriately qualified and experienced person during detailed design development (audit of plans) and prior to opening (pre-opening audit).		
	The audit findings and recommendations of the detailed design plans (audit of the plans) must be actioned prior to construction of the relevant infrastructure. The pre-opening audit findings and recommendations must be actioned prior to the relevant infrastructure being made available for use.		
D99	<p>A Utilities Management Strategy must be prepared and implemented for all utility work undertaken as a result of the SSI. The Strategy must identify how utility Work (excluding Low Impact Work) will be defined and managed. The Utilities Management Strategy must include:</p> <p>(a) A description of all utility Work to be undertaken; and</p> <p>(b) Management measures to be implemented to manage dust, noise, traffic, access, lighting and other relevant impacts associated with utility Work.</p> <p>The Utilities Management Strategy must be submitted to the Planning Secretary for approval at least one month before the commencement of utility Work.</p>	Any utility work required for the Proposed Change would be conducted in accordance with this condition.	Yes
D101	<p>Waste generated during construction and operation must be dealt with in accordance with the following priorities:</p> <p>(a) waste generation must be avoided and where avoidance is not reasonably practicable, waste generation must be reduced;</p> <p>(b) where avoiding or reducing waste is not possible, waste must be re-used, recycled, or recovered; and</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	(c) where re-using, recycling or recovering waste is not possible, waste must be treated or disposed of.		
D102	The importation of waste and the storage, treatment, processing, reprocessing or disposal of such waste must comply with the conditions of the EPL for Modification 6, or be done in accordance with a Resource Recovery Exemption or Order issued under the Protection of the Environment Operations (Waste) Regulation 2014, as the case may be.	The Proposed Change would not impact on compliance with this condition.	Yes
D103	Waste must only be exported to a site licensed by the EPA for the storage, treatment, processing, reprocessing or disposal of the subject waste, or in accordance with a Resource Recovery Exemption or Order issued under the Protection of the Environment Operations (Waste) Regulation 2014, or to any other place that can lawfully accept such waste, except in accordance with Condition D10.	The Proposed Change would not impact on compliance with this condition.	Yes
D104	All waste must be classified in accordance with the EPA's Waste Classification Guidelines, with appropriate records and disposal dockets retained for audit purposes.	The Proposed Change would not impact on compliance with this condition.	Yes
D105	Modification 6 must be designed and constructed so as to maintain the NSW Water Quality Objectives (ANZG 2018) where they are being achieved as at the date of this approval, and contribute towards achievement of the NSW Water Quality Objectives over time where they are not being achieved as at the date of this approval, unless an EPL in force in respect of Modification 6 contains different requirements in relation to the NSW Water Quality Objectives, in which case those requirements must be complied with.	The Proposed Change would not impact on compliance with this condition.	Yes
	Note: If it is proposed to discharge construction stormwater to waterways, a Water Pollution Impact Assessment will be required to inform licensing, consistent with section 45 of the POEO Act. Any such assessment must be prepared in consultation with the EPA and be consistent with the National Water Quality Guidelines, with the level of detail commensurate with the potential water pollution risk.		

No.	Conditions of Approval	Discussion	Consistent
D106	Works on waterfront land and within watercourses must have regard to Guidelines for controlled activities on waterfront land (NRAR, 2018). This includes outlets and watercourse crossings.	The Proposed Change would not impact on compliance with this condition.	Yes
D107	Proposed revegetation within riparian zones should have regard to NRARs guidelines for Vegetation Management Plans and accommodate an appropriately structured vegetated riparian zone using indigenous species. Note: Revegetation must include a maintenance component identified in the DLP as required by Condition D22 and D24, and the operational maintenance requirements of Conditions D25 and D27.	The Proposed Change would not impact on compliance with this condition.	Yes
D108	Local erosion and sediment control measures to manage stormwater discharges can only be used in lieu of sediment retention basins or sumps where it is demonstrated that: (a) such measures would adequately manage the risk of erosion and sedimentation in accordance with Volume 1 and 2D of the Blue Book, and (b) contaminated soils do not pose a risk to water quality in receiving waterways. The Proponent must obtain approval from the Secretary before implementing the alternative local erosion and sediment control measures. Note: Approval from the Planning Secretary as required by Condition D108 may be sought through the Soil and Water Management Plan (as required by Condition C8).	The Proposed Change would not impact on compliance with this condition.	Yes
D109	Sediment retention basins or sumps must be used to control contaminated runoff from the construction of the proposed modification. Any sediment retention basin used must be appropriately sized to ensure that:	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	<p>(a) risks identified in the detailed site investigation are mitigated; and</p> <p>(b) managed overflows could only occur as a result of large rainfall events.</p> <p>Note: Existing stormwater quality control systems and ponds cannot accept contaminated runoff.</p>		
D110	<p>For areas of moderate to high contamination risk (as identified in the SWMP required by Condition C8 and any Detailed Site Investigations under Condition D67), and where the application of sediment retention basins or sumps is restricted by site constraints and the outcomes of Condition D109 cannot be met, alternative capture and treatment systems may only be used with approval from the Planning Secretary.</p> <p>Note: Approval from the Planning Secretary as required in this Condition may be sought through the approval of the Construction Soil and Water Management Sub Plan (as required by Condition C8).</p>	The Proposed Change would not impact on compliance with this condition.	Yes
D112	<p>All new or modified drainage systems associated with Modification 6 must be designed to:</p> <p>(a) meet the capacity constraints of any council's drainage system to receive and convey the proposed flows from the Project, or otherwise upgrade council's drainage system at the Proponent's expense where it is identified that Modification 6 will have an adverse impact on the capacity of council's drainage system, in consultation with the relevant council(s);</p> <p>(b) minimise impacts on the receiving environment at the final outflow point resulting from any additional flow volume (including, but not limited to scour, flooding, water quality impacts, and impacts on riparian vegetation, aquatic ecology and property); and</p>	The Proposed Change would not impact on compliance with this condition.	Yes

No.	Conditions of Approval	Discussion	Consistent
	(c) ensure mitigation measures are implemented where increased flows through cross drainage systems adversely impact on council or Sydney Water drainage infrastructure and the receiving environment.		
D113	Modification 6 must not introduce any surface water flows into the Upper Canal via Shaft 4 during construction or operation.	The Proposed Change would not impact on compliance with this condition.	Yes

Table A 2: Consistency against relevant Statement of Commitments/ environmental management measures

No.	Mitigation Measure	Discussion	Consistent
T1	<p>A Construction Traffic and Access Management Plan (CTTMP) will be prepared as part of the Construction Environmental Management Plan (CEMP) in consultation with Transport, relevant local Councils, and relevant agencies and in accordance with relevant guidelines including consideration for:</p> <ul style="list-style-type: none"> • Staggering shift times to minimise the hourly traffic generation • Encouraging the use of alternative transport modes, carpooling, measures that minimise traffic generation associated with worker arrival, departures, and movements between sites • Using shuttle buses to move workers between sites • Minimising road closures that would likely have large impacts to the network • Pedestrian and cyclist access management plan • Parking and access management plan. 	<p>The Proposed Change would not impact on compliance with this measure.</p> <p>The CTTMP would be amended to incorporate the Proposed Change, where required.</p>	Yes

No.	Mitigation Measure	Discussion	Consistent
T3	Movements of haulage vehicles will be planned to minimise movements on the road network during the AM and PM peak periods where practicable.	The Proposed Change would not impact on compliance with this measure.	Yes
T4	An active transport strategy will be developed to document planned shared path detours and recommend upgrades to these facilities to safely accommodate shared path users.	The Proposed Change would not impact on compliance with this measure.	Yes
NV 1	<p>A Construction Noise and Vibration Management Plan (CNVMP) will be prepared and include the following standard and specific actions and mitigation measures:</p> <ul style="list-style-type: none"> • Identify relevant performance criteria in relation to noise and vibration • Identify noise and vibration sensitive receptors and features in the vicinity of the proposed modification • Include standard and additional mitigation measures from the Construction Noise and Vibration Guideline (CNVG) (Roads and Maritime Services, 2016b) and details about when each will be applied • Describe the process(es) that will be adopted for carrying out location and activity specific noise and vibration impact assessments to assist with the selection of appropriate mitigation measures • Consider cumulative construction noise impacts and construction noise fatigue • Include protocols that will be adopted to manage works required outside standard construction hours, in accordance with relevant guidelines including for management of respite periods • Detailed monitoring that will be carried out to confirm proposed modification performance in relation to noise and vibration performance criteria. <p>The cumulative noise impacts of relevant nearby major projects should be further considered by the contractor when a detailed construction schedule becomes</p>	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
	<p>available for the proposed modification. Consultation should be undertaken with the relevant contractors to manage cumulative impacts on sensitive receivers within common areas.</p> <p>Feasible and reasonable mitigation measures should be detailed in the CNVMP at sensitive receivers and areas where construction fatigue could occur. Consultation with the affected community will also occur prior to and during construction.</p>		

No.	Mitigation Measure	Discussion	Consistent
NV 2	<p>All residents affected by noise from the proposed modification which are expected to experience an exceedance of the construction noise management levels should be consulted about the proposed modification prior to the commencement of the particular activity, with the highest consideration given to those that are predicted to be most affected as a result of the works.</p> <p>The information provided to the residents should include:</p> <ul style="list-style-type: none"> • Programmed times and locations of construction work • The hours of the proposed modification works • Construction noise and vibration impact predictions • Construction noise and vibration mitigation measures being implemented on site. <p>Community consultation regarding construction noise and vibration will be detailed in the Community and Stakeholder Engagement Plan for the construction of the proposed modification and will include a 24-hour hotline and complaints management process.</p> <p>Consultation will also be undertaken with all schools likely to be affected.</p> <p>For out of hours works, consultation will take place with consideration to Practice note vii of the Environmental Noise Management Manual (RTA, 2001) and Strategy 2 of the Interim Construction Noise Guidelines (DECC, 2009).</p>	The Proposed Change would not impact on compliance with this measure.	Yes
NV 3	<p>Induction and training will be provided to relevant staff and sub-contractors outlining their responsibilities with regards to noise and vibration.</p>	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
NV 4	<p>Details of all out of hours work required will form part of the CNVMP.</p> <p>Noisy work will be scheduled to be undertaken during the standard hours as far as possible. Noisy activities that cannot be undertaken during standard construction hours are to be scheduled as early as possible during the evening and/or night-time periods.</p> <p>Particularly noisy activities such as the use of impact piling rigs, road and concrete saws, rock hammers, should be scheduled where feasible and reasonable around times of high background noise to provide masking.</p> <p>Deliveries will be carried out during standard construction hours where feasible and reasonable.</p>	<p>The Proposed Change would not impact on compliance with this measure.</p> <p>Reasonable and feasible noise mitigation measures will be implemented for works. Mitigation measures will include the scheduling of noisy activities.</p>	Yes
NV 5	<p>A protocol, formed as part of the CNVMP, will be developed to identify the need for and provision of respite measures for residential receivers in accordance with the ICNG. Respite measures may include the restriction to the hours of construction activities resulting in impulsive or tonal noise (such as rock hammering, pile driving), or other appropriate measures agreed between the contractor and residential receiver such as alternative accommodation.</p>	<p>The Proposed Change would not impact on compliance with this measure.</p>	Yes

No.	Mitigation Measure	Discussion	Consistent
NV 7	<ul style="list-style-type: none"> • Truck drivers will be advised of designated vehicle routes, parking locations, acceptable delivery hours or other relevant practices (i.e. minimising the use of engine brakes, and no extended periods of engine idling). Vehicle routes should be reviewed, and final selections should consider noise impacts on noise sensitive receivers • Site access and egress points will be located away from residences and other sensitive land uses, where feasible and reasonable • Deliveries and spoil removal will be planned to avoid queuing of trucks on or around the construction ancillary facilities • Construction sites will be arranged to limit the need for reversing associated with regular / repeatable movements (e.g. trucks transporting spoil) to minimise the use of reversing alarms • Where feasible and reasonable, non-tonal reversing alarms will be used, taking into account the requirements of the Workplace Health and Safety legislation. • Spoil will be moved during the day where practical, and feasible and reasonable management strategies will be investigated in consultation with the NSW EPA to minimise the volume of heavy vehicle movements at night. Mitigation measures for vehicle movements outside of standard construction hours will be included in the CNVMP. 	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
NV 9	<p>The selection of plant and equipment can have a significant impact on construction noise levels. Appropriate plant will be selected for each task to minimise the noise contributions.</p> <p>Alternative works methods such as use of hydraulic or electric-controlled units in place of diesel units will be considered and implemented where feasible and reasonable. The use of alternative machines that perform the same function (such as rubber wheeled plant) will be considered in place of steel tracked plant. Equipment will be regularly inspected and maintained to ensure it is in good working order.</p> <p>Plant should be located on site with as much distance as possible between the plant and noise sensitive receivers. Noisy equipment will be orientated away from residential receivers where feasible and reasonable.</p>	The Proposed Change would not impact on compliance with this measure.	Yes
NV 11	<p>Additional mitigation measures are provided in CNVG. These measures are applied after standard noise mitigation measures have been applied and where the noise levels are still exceeding the noise management levels.</p> <p>Additional mitigation measures include:</p> <ul style="list-style-type: none"> • Notification (letterbox drop or equivalent) to give advanced warning of works • Specific notifications to identified stakeholders • Phone calls • Individual briefings • Respite offers, to be considered where there are high noise and vibration generating activities near receivers • Respire Period One where there is out of hours construction noise • Respire Period Two where there is night time construction noise • Duration respite where long periods of noise and vibration will be generated • Alternative accommodation for residents where there 	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
	<p>are highly intrusive noise levels</p> <ul style="list-style-type: none"> • Verification, such as noise monitoring. 		
NV 12	<p>Equipment size will be selected taking into account the minimum working distances and the distance between the area of construction and the most affected sensitive receiver.</p> <p>The use of less vibration intensive methods of construction or equipment will be considered where feasible and reasonable when working in proximity to existing structures.</p> <p>Equipment will be maintained and operated in an efficient manner, in accordance with manufacturer's specifications, to reduce the potential for adverse vibration impacts.</p>	<p>The Proposed Change would not impact on compliance with this measure.</p>	Yes

No.	Mitigation Measure	Discussion	Consistent
NV 13	<p>If the use of vibration intensive plant cannot be avoided within the minimum working distance for cosmetic damage the following procedure will occur as a minimum:</p> <ul style="list-style-type: none"> • Notification of the works to the affected residents and community. • Works will not proceed until attended vibration measurements are undertaken. Vibration monitors are to provide real-time notification of exceedances of levels approaching cosmetic damage criteria. • If ongoing works are required, a temporary relocatable vibration monitoring system will be installed, to warn operators (via flashing light, audible alarm, short message service (SMS) etc) when vibration levels are approaching the cosmetic damage objective. 	The Proposed Change would not impact on compliance with this measure.	Yes
NV 16	<p>The Contractor must conduct a detailed construction noise and vibration assessment and implement reasonable and feasible mitigation measures in accordance with the Roads and Maritime Services Construction Noise and Vibration Guideline (2016b). Mitigation measure that may be implemented include the following:</p> <ul style="list-style-type: none"> • Traffic diversions limited in duration as noted above • Notification (letterbox drop or equivalent) • Specific notifications • Individual briefings and/or community consultations 	<p>The Proposed Change would not impact on compliance with this measure.</p> <p>Noise and vibration modelling will be conducted for out of hours works, which will be used to inform specific noise and vibration mitigation measures needed. All reasonable and feasible mitigation measures will be implemented.</p>	Yes
AQ 1	A communications plan will be displayed at each construction zone, including a duty phone number so stakeholders and community members can get in contact regarding the construction activities. All complaints will be recorded and investigated, and measures taken in response.	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
AQ 2	On a regular basis, the stages of other major constructions within 500 metres of the proposed modification will be assessed, to determine any cumulative impacts. The possibility of co-ordinating activities between sites will be assessed to avoid potentially high impact activities occurring at the same time.	The Proposed Change would not impact on compliance with this measure.	Yes
AQ 3	Use of diesel- or petrol-powered generators will be avoided where practicable and mains electricity or battery powered equipment will be used where practicable.	The Proposed Change would not impact on compliance with this measure.	Yes
AQ 4	All vehicles and plant will be switched off engines when stationary and not be allowed to idle.	The Proposed Change would not impact on compliance with this measure.	Yes
AQ 5	During periods of high potential for increased air quality impacts and/or prolonged dry or windy conditions the frequency of site inspections will be increased by the person accountable for air quality and dust issues.	The Proposed Change would not impact on compliance with this measure.	Yes
AQ 6	At each construction zone, the site arrangement will be planned so that dust generating activities are undertaken to minimise dust at nearby receptors. Measures may include stockpiles located as far away from receptors as possible; dust barriers being erected around dusty activities/ site boundary, or similar.	The Proposed Change would not impact on compliance with this measure.	Yes
AQ 7	A maximum speed limit of 15 km/h on unsurfaced roads and construction work areas will be imposed and signposted.	The Proposed Change would not impact on compliance with this measure.	Yes
AQ 8	Adequate water supply will be provided on the site for effective dust/ particulate matter suppression/ mitigation, using non-potable water where possible and appropriate.	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
AQ 9	Earthworks and exposed areas/ soil stockpiles will be re-vegetated or stabilised as soon as practicable	The Proposed Change would not impact on compliance with this measure.	Yes
AQ 10	Water-assisted dust sweeper(s) will be used on access and local roads, to remove, as necessary, any material tracked out of the site.	The Proposed Change would not impact on compliance with this measure.	Yes
AQ 11	Vehicles entering and leaving sites will be covered to prevent escape of materials during transport.	The Proposed Change would not impact on compliance with this measure.	Yes
AQ 12	A wheel washing system will be implemented at relevant construction ancillary facilities (with rumble grids to dislodge accumulated dust and mud prior to leaving the site), where reasonably practicable.	The Proposed Change would not impact on compliance with this measure.	Yes
AQ 13	Any acid sulphate soils encountered during earthworks will be managed in accordance with the with the Acid Sulfate Soils Manual (Acid Sulfate Soil Management Advisory Committee, 1998) and Guidelines for the Management of Acid Sulfate Materials: Acid Sulfate Soils, Acid Sulfate Rock and Monosulfidic Black Ooze (NSW Roads and Traffic Authority, 2005b).	The Proposed Change would not impact on compliance with this measure.	Yes
FL 1	A Flood Management Plan will be prepared as part of the CEMP for the proposed modification and will detail the processes for flood preparedness, materials management, weather monitoring, site management, and flood incident management. The flood management plan will be developed in accordance with relevant guidelines.	The Proposed Change would not impact on compliance with this measure.	Yes
FL 2	Activities that may affect existing drainage systems during construction will be carried out so that existing hydraulic capacity of these systems is maintained where practicable.	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
FL 3	<p>Detailed construction planning is required to consider flood risk at construction sites and construction support sites. This will include:</p> <ul style="list-style-type: none"> • A review of site layout and construction activity staging to avoid or minimise obstruction of overland flow paths and limit the extent of flow diversion required • Identification of measures to not worsen flood impacts on the community and on other property and infrastructure during construction up to and including the 1% AEP flood event, where reasonable and feasible • Measures to mitigate alterations to local runoff conditions due to construction activities. 	The Proposed Change would not impact on compliance with this measure.	Yes
FL 4	Spoil stockpiles are to be located in areas not subject to frequent inundation by floodwater, and outside the 10% AEP flood extent. The exact level of flood risk accepted at stockpile sites will depend on the duration of stockpiling operations, the type of material stored, the nature of the receiving drainage lines and also the extent to which it would impact flooding conditions in adjacent development.	The Proposed Change would not impact on compliance with this measure.	Yes
FL 6	Flood emergency management measures during construction are to be prepared and incorporated into relevant environmental and/or safety management documentation in consultation with NSW State Emergency Services (SES) and relevant local Councils.	The Proposed Change would not impact on compliance with this measure.	Yes
FL 9	Localised increases in flow velocities at drainage outlets that would control runoff from the proposed modification are to be mitigated through the provision of scour protection and energy dissipation measures.	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
SW 1	<p>A Soil and Water Management Plan (SWMP) will be prepared as part of the proposed modification. The plan will outline measures to manage soil and water impacts associated with the construction works, including contaminated land.</p> <p>The SWMP will include:</p> <ul style="list-style-type: none"> • Measures to minimise/manage erosion and sediment transport both within the construction footprint and offsite, including requirements for the preparation of erosion and sediment control plans (ESCP) for all progressive stages of construction • Measures to manage runoff from spoil and waste storage areas • Procedures to manage unexpected or previously unidentified contaminants • Measures to manage stockpiles, including locations, separation of waste types, sediment controls and stabilisation • Groundwater management measures to limit the risk of exposure to contaminated groundwater • Controls to manage the risk posed to workers from exposure to contaminated groundwater (if encountered) • Processes for dewatering of water that has accumulated on site and from sediment basins, including relevant discharge criteria • Measures to manage potential tannin leachate • Measures to manage accidental spills, including the requirement to maintain materials such as spill kits • Measures to manage potential saline soils • Details of surface water and groundwater quality monitoring to be undertaken prior to, throughout, and following construction • Enhanced sediment and erosion controls be implemented in areas where it is identified that contamination poses a risk to surface water quality. <p>Erosion and sediment control measures will be implemented and maintained at all work sites in</p>	<p>The Proposed Change would not impact on compliance with this measure.</p>	Yes

No.	Mitigation Measure	Discussion	Consistent
	<p>accordance with the principles and requirements in Managing Urban Stormwater – Soils and Construction, Volume 1 (DPIE, 2004) and Volume 2D (DECC, 2008a), commonly referred to as the 'Blue Book,' as well as relevant Transport Guidelines.</p>		

No.	Mitigation Measure	Discussion	Consistent
SW 2	<p>A dewatering management plan will be prepared and included in the SWMP that sets out the procedures for the discharge of surface water runoff that is retained in sediment controls and exposed excavations. The dewatering management plan will be prepared in accordance with the Technical Guideline – Environmental Management of Construction Site Dewatering (Transport, 2011) and will include consideration of the following:</p> <ul style="list-style-type: none"> • Identification of water quality criteria for the discharge of on-site water and the treatment techniques required to meet these criteria • Methods for achieving the WQOs for any site discharge through best practice erosion and sediment control measures and/or treatment of water through flocculation prior to discharge from sediment retention sumps • Reuse of stormwater where feasible within the scope of construction activities • Selection of suitable locations for the discharge of captured runoff utilising existing drainage paths where it cannot be reused on site • Procedures for the rectification of sediment controls or site practices should the water quality parameters experience exceedances. 	The Proposed Change would not impact on compliance with this measure.	Yes
SW 3	A soil conservation specialist will be engaged for the duration of construction of the proposed modification to provide advice on the planning and implementation of erosion and sediment control measures, including review of Erosion and Sediment Control Plans ESCPs.	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
SW 4	<p>Stockpiles will be managed to minimise the potential for mobilisation and transport of dust and sediment in runoff in accordance with Stockpile Site Management Guideline (Roads and Maritime Services, 2015d). This will include:</p> <ul style="list-style-type: none"> • Minimising the number of stockpiles, the area used for stockpiles and the time that they are left exposed • Locating stockpiles away from drainage lines, waterways, and areas where they may be susceptible to wind erosion • Stabilising stockpiles, establishing appropriate sediment controls, and suppressing dust as required. 	The Proposed Change would not impact on compliance with this measure.	Yes
SW 6	<p>A water reuse strategy will be developed for the construction of the proposed modification to reduce reliance on potable water. This strategy will be prepared during the detailed design stage and will outline the construction water requirements and potential water sources to supply the water demand in consultation with Sydney Water. Alternative water supply options to potable water will also be investigated, with the aim of reusing water using recycled water where feasible. This includes sourcing non-potable water from construction sediment sumps where it is feasible to reuse.</p>	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
SW 7	<p>The following measures will be undertaken to manage activities within watercourses, especially works to widen of bridges:</p> <ul style="list-style-type: none"> • Disturbance of banks and extent of vegetation removal will be minimised • Implementing bank stabilisation, channel reshaping and scour protection where required to mitigate the impact of additional bridge piers on scour and stability of the bed and banks of watercourses • Maintenance of minimum surface water flows to assist in maintaining the viability of aquatic communities and preventing barriers to fish passage • Construction of temporary creek crossings during low flows and design so that drainage of these crossings does not contribute sediment load to the stream • Taking into consideration the former NSW Department of Industry's Guidelines for controlled activities on waterfront land (2018) in the design and construction of works within watercourses 	<p>The Proposed Change would not impact on compliance with this measure.</p> <p>The Proposed Change does not involve any works within watercourses.</p>	Yes
SW 9	<p>A construction water quality monitoring program will be developed and included in the SWMP for the proposed modification to establish baseline conditions, observe any changes in surface water and groundwater during construction, and inform appropriate management responses.</p> <p>Baseline monitoring will be undertaken monthly for a minimum of 12 months prior to the commencement of construction, inclusive of the monitoring that is presented in Section 5.6 of Appendix G (Surface water and flooding assessment). As a minimum, this will include three wet weather sampling events over six months where feasible.</p> <p>Sampling locations and monitoring methodology to be undertaken during construction will be further developed in detailed design in accordance with the Guidelines for Construction Water Quality Monitoring (RTA, 2003) and</p>	<p>The Proposed Change would not impact on compliance with this measure.</p>	Yes

No.	Mitigation Measure	Discussion	Consistent
	<p>the ANZECC Water Quality Guidelines (ANZECC/ ARMCANZ, 2000).</p> <p>This will include the monitoring of surface water quality at or near moderate to high contamination risk areas for relevant contaminants during work in those locations (when/if these areas are confirmed during detailed design).</p> <p>The monitoring will include collection of samples for analysis from sedimentation control discharge points, visual monitoring of other points of release of construction waters and monitoring of downstream waterways. The frequency of monitoring will be confirmed during detailed design and will be a minimum of once every month at all sites, as well as additional monitoring following wet weather events.</p> <p>Should the results of monitoring identify that the water quality management measures are not effective in adequately mitigating water quality impacts, additional mitigation measures will be identified and implemented as required.</p>		
B1	<p>A Biodiversity Management Plan will be developed to include, but not be limited to, the following:</p> <ul style="list-style-type: none"> • A Microbat Management Plan by a microbat specialist to be created (prior to construction) • Environmental site inductions • Demarcation of clearing areas and 'No Go' zones through fencing and inclusion in the Construction Environmental Management Plan (CEMP), in accordance with Guide 2: Exclusion zones of the Biodiversity Guidelines: Protecting and managing biodiversity on RTA projects (RTA, 2011) • Methods of vegetation removal • Protocols for tree clearing including pre-clearing surveys and mitigation measures for any fauna encountered • Erosion and sediment controls including dust 	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
	<p>suppression and minimisation of dust generation</p> <ul style="list-style-type: none"> • Rehabilitation methods including management of native and riparian vegetation, weeds, fauna habitat • Weed prevention measures and management of priority weeds within the study area in accordance with Guide 6: Weed management of the Biodiversity Guidelines: Protecting and managing biodiversity on RTA projects (RTA, 2011) • Regular scheduled litter and waste removal from the study area • Implementation of an unexpected species find procedure, particularly in regard to bridge widenings and microbats • Habitat will be replaced or re-instated in accordance with Guide 5: Re-use of woody debris and bushrock and Guide 8: Nest boxes of the Biodiversity Guidelines: Protecting and managing biodiversity on RTA projects (RTA, 2011) • Rehabilitation strategy for waterways after the removal of temporary waterway crossing and diversions, including erosion and sediment control, management of flow, stockpile management, stabilisation of bed and banks and revegetation • Any large woody debris to be retained within the retained portions of the study area to provide refuge habitat for invertebrates and reptiles (Guide 5: Re-use of woody debris and bushrock) 		
B2	An ecologist to inspect the study area, including drainage and creek lines and relocate any amphibians prior to and during vegetation clearing	The Proposed Change would not impact on compliance with this measure.	Yes
B4	Bridge works, as a potential habitat for microbat species, are to be undertaken in accordance with Appendix F of Microbat Management Guidelines (Transport for NSW, 2021a)	The Proposed Change would not impact on compliance with this measure. No bridges are located within Zone C-1 and the Gore Section.	Yes

No.	Mitigation Measure	Discussion	Consistent
B5	If sediment/ erosion booms are used, they are placed so they do not obstruct fish passage, where possible	The Proposed Change would not impact on compliance with this measure. No waterways are located within Zone C-1 and the Gore Section.	Yes
B6	Design of temporary waterway crossings and diversions are consistent with Managing Urban Stormwater: Soils and construction – Volume 1 and 2D (DPIE, 2004) and Policy and Guidelines for Fish Habitat Conservation and Management (DPI, 2013) and Why do Fish Need to Cross the Road? Fish Passage Requirements for Waterway Crossings (Fairfull, 2003)	The Proposed Change would not impact on compliance with this measure.	Yes
B7	Relocation of native fish by a trained aquatic ecologist if they become stranded as a result of waterway diversions, temporary crossings, or dewatering activities.	The Proposed Change would not impact on compliance with this measure.	Yes
B8	<p>A detailed water monitoring program will be implemented during construction, where site observations are recorded by a suitably qualified person, and will include:</p> <ul style="list-style-type: none"> • Routine inspections of temporary waterway crossings, waterway diversions and dewatering activities • Rapid geomorphic survey, including aquatic macrophyte mapping, bank erosion, channel stability and sediment deposition • Stormwater discharges into the receiving watercourses, including an estimate of flows, visual appearance, and water quality (handheld meter) testing on an opportunistic basis • Visual and olfactory observation of pollution (e.g., oil sheens, coarse debris, odours) • Opportunistic observations of aquatic fauna (e.g. stranded fish). 	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
B9	Landscaping to focus on utilising naturally occurring endemic tree and shrub species, in accordance with the updated Landscape Plan for the Westlink M7	The Proposed Change would not impact on compliance with this measure.	Yes
B10	Monitoring and maintenance of all established erosion and sedimentation controls	The Proposed Change would not impact on compliance with this measure.	Yes
AH1	Aboriginal Site Impact Recording (ASIR) forms will be submitted to the AHIMS Registrar for all Aboriginal sites known to have been destroyed or partially destroyed as a result of the approved project (as indicated in the final approved Indigenous Heritage Archaeology Management Sub Plan (IHMSPP)).	The Proposed Change would not impact on compliance with this measure.	Yes
AH2	An Aboriginal Site Impact Recording (ASIR) form will be submitted to the AHIMS Registrar for Aboriginal site 'MC-2' (45-5-0779), indicating that the site has been destroyed.	The Proposed Change would not impact on compliance with this measure.	Yes
AH3	An Aboriginal Cultural Heritage Management Plan (ACHMP) shall be prepared prior to construction of the proposed modification and included in the Construction Environmental Management Plan (CEMP). An Unexpected Aboriginal Heritage Finds Procedure (UAHFP) will be included in the ACHMP to cover the unanticipated discovery of any actual or potential Aboriginal heritage items. The procedure will cover all Aboriginal objects (as defined by the National Parks and Wildlife Act 1974), including human skeletal remains.	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
AH4	All standard environment site inductions prepared for the proposed modification will include an Aboriginal heritage component. At a minimum, this will outline current protocols and responsibilities with respect to the management of Aboriginal heritage within the construction footprint (including unexpected finds) and provide an overview of the diagnostic features of potential Aboriginal site types/ objects.	The Proposed Change would not impact on compliance with this measure.	Yes
AH5	Aboriginal sites located outside of the construction footprint, but directly adjacent to it, will be actively protected during construction via temporary fencing. Fencing is to be installed along relevant sections of the construction footprint and remain in place for the duration of construction works in the vicinity. Where fencing is to be installed along the construction footprint, individual fencing lengths will be determined by a qualified archaeologist on the basis of both a visual inspection of the registered AHIMS site location and critical review of relevant existing data sources (e.g. associated site cards and assessment reports). All relevant staff and contractors are to be made aware of the nature and locations of these sites as part of standard site inductions. All sites will be identified on relevant site plans	The Proposed Change would not impact on compliance with this measure.	Yes
H1	A Construction Heritage Management Plan, to be included in the CEMP, shall be prepared prior to construction of the proposed modification. The CEMP should include the location of the known heritage items that are within the study area, including the Upper Canal System, details relating to vibration management measures for works in the vicinity of the Upper Canal, and a stop works procedure for unexpected finds.	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
LUP1	A survey of all areas to be leased during construction will be completed to document the pre-leased condition.	The Proposed Change would not impact on compliance with this measure.	Yes
LUP2	All areas leased for the modification will be rehabilitated upon completion of construction and restored to their existing condition, or as otherwise agreed with the landowner. This will occur within six months of completion of the construction phase.	The Proposed Change would not impact on compliance with this measure.	Yes
LUP3	Terms and conditions of private land use for construction access will be determined in consultation and agreement with relevant landowners.	The Proposed Change would not impact on compliance with this measure. Zone C-1 is an approved Ancillary Facility.	Yes
LUP4	Consultation with the relevant utility providers will be undertaken prior to construction to confirm the presence of utilities and refine potential utility adjustments and utility protection measures during detailed design.	The Proposed Change would not impact on compliance with this measure.	Yes
LUP5	The final construction methodology will consider measures required to protect utilities or avoid impacts on these services during construction.	The Proposed Change would not impact on compliance with this measure.	Yes
LV 1	Establish tree protection zones (TPZs) around trees to be retained. Tree protection will be undertaken in accordance with AS 4970-2009 Protection of Trees on Development Sites and will include exclusion fencing of TPZs	The Proposed Change would not impact on compliance with this measure. TPZ's will be established for trees located within Zone C-1. No trees are located within the Gore Section.	Yes
LV 2	Provide well-presented and maintained construction hoarding and site fencing with shade cloth (or similar material) (where necessary) to minimise visual impacts during construction. Hoardings and site fencing will be removed following construction completion.	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
LV 3	Provide cut-off or directed lighting within and outside of the construction site, with lighting location and direction considered to ensure glare and light spill is minimised.	The Proposed Change would not impact on compliance with this measure.	Yes
LV 4	Keep construction areas clean and tidy and place refuse in appropriate receptacles.	The Proposed Change would not impact on compliance with this measure.	Yes
LV 6	<p>While the replacement of trees within the Westlink M7 operational footprint may not be possible due to maintenance requirements, it is recommended to reinstate the visual markers of the creek corridors within the Westlink M7, by:</p> <ul style="list-style-type: none"> • Planting of riparian tree species (such as Melaleuca and Casuarina) on the batters within the central median as they fall towards the lower area at either end of bridges • Planting of areas under bridges within riparian corridors with indigenous species within the Cumberland Plain Riverflat Forest community, including tall shrubs, grasses and groundcovers. Investigate opportunities for additional tree plantings. 	The Proposed Change would not impact on compliance with this measure.	Yes
LV7	Undertake seed collection prior to construction (e.g. within three months of construction contract award, where possible), to source seeds to be used in post-construction rehabilitation. Use native and endemic plant species in post-construction rehabilitation otherwise.	The Proposed Change would not impact on compliance with this measure.	Yes
LV8	Opportunity to enhance green infrastructure and tree planting through the areas adjacent to noise walls and other areas along the edges of the corridor to mitigate impacts from tree removal along the Westlink M7 median. This will be subject to detailed design and also the identification of existing verges/ batters within the	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
	Westlink M7 corridor that would be appropriate for tree planting completed as part of the works.		
LV9	Opportunity for Water Sensitive Urban Design to be considered when local drainage conditions are altered throughout the corridor where the gradient and widening conditions require further detail	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
C1	<p>A Soil and Water Management Plan (SWMP) will be implemented during construction and incorporate the following measures:</p> <ul style="list-style-type: none"> • Worker health and safety measures, waste management (including stockpiling) and tracking for contamination • Register of known or suspected areas of contamination (from site investigations) and areas requiring remediation • An unexpected finds procedure to manage previously unidentified chemical or asbestos contamination • Asbestos Management Plan for areas where ACM and/or friable asbestos is likely to be encountered, with the plan including worker health and safety measures • Testing procedures to determine the actual presence of acid sulfate soils prior to ground disturbance activities • Testing procedures to determine the presence of saline soils prior to ground disturbance activities. • Process for testing, treating and discharging water from site to meet applicable water quality limits. • Site-specific Erosion and Sediment Control Plan which will identify detailed measures and controls, that are consistent with the practices and principles in the current guidelines, to be applied to minimise erosion and sediment control risks. These include, but not necessarily limited to: runoff, diversion and drainage points; use of sediment basins and sumps; scour protection; stabilising disturbed areas as soon as possible, check dams, fencing and swales; and staged implementation arrangements • Appropriate management criteria and responses to identify and manage water pollution risks associated with potentially contaminated stormwater • Measures to avoid the discharge of contaminated runoff. The assessment criteria for discharges from contaminated areas would be based on applicable WQOs (refer Table 7.4 of the SWFIA in Appendix G). 	<p>The Proposed Change would not impact on compliance with this measure.</p>	<p>Yes</p>

No.	Mitigation Measure	Discussion	Consistent
C5	Prior to ground disturbance in areas of potential inland acid sulfate soil occurrence, testing will be carried out to determine the actual presence of acid sulfate soils. This measure is especially applicable to areas on waterbodies where disturbance of sediments and surrounding soil is to occur. If acid sulfate soils are encountered, they will be managed in accordance with the Acid Sulfate Soil Manual (Acid Sulfate Soil Management Advisory Committee, 1998) and Guidelines for the Management of Acid Sulfate Materials: Acid Sulfate Soils, Acid Sulfate Rock and Monosulfidic Black Ooze (NSW Roads and Traffic Authority 2005b).	The Proposed Change would not impact on compliance with this measure.	Yes
C6	Prior to ground disturbance in high probability salinity areas, testing will be carried out to determine the presence of saline soils. If salinity is encountered, excavated soils will not be reused, and will be managed in accordance with Book 4 Dryland Salinity: Productive Use of Saline Land and Water NSW DECC, 2008c). Erosion controls will be implemented in accordance with the Managing Urban Stormwater: Soils and Construction Volume 1 (DPIE, 2004).	The Proposed Change would not impact on compliance with this measure. Both areas covered in the Proposed Change were identified as having a very high chance of soil salinity as a hazard consistent with the surrounding environment. No ground disturbance will occur within Zone C-1. The Gore Section will have a DSI obtained once safe access is granted to the area. This DSI will include an assessment of soil salinity.	Yes
SE 1	A Community and Stakeholder Engagement Plan will be implemented for the proposed modification. The plan will describe where information of the proposed modification is available, and contain a complaints management procedure, contact details for the person responsible for managing and resolving complaints, and non-English options.	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
CC1	Transport will clearly communicate to construction contractor/s that there is expected to be an increased likelihood of extreme rainfall and wind events occurring during construction. The ordering of materials for, and breadth and scope of implementation of mitigation measures proposed as part of this Modification Report will take this into account. The delivery schedule will allow contingency for potential delays associated with extreme rainfall.	The Proposed Change would not impact on compliance with this measure.	Yes
GG1	GHG emissions will be reduced through the use of GreenPower and/or other renewable energy sources as part of the proposed modification electricity procurement. The proposed modification is targeting 100% renewable energy-sourced electricity for operations, and minimum 20% for construction	The Proposed Change would not impact on compliance with this measure.	Yes
GG2	Solar construction lighting and variable message signs will be utilised during construction	The Proposed Change would not impact on compliance with this measure.	Yes
GG4	Construction plant and equipment will be well maintained to allow for optimal fuel efficiency	The Proposed Change would not impact on compliance with this measure.	Yes
GG5	Raw materials will be managed to reduce energy requirements for their processing. For example, stockpiled materials will be covered or provided undercover storage where possible to reduce moisture content of materials, and therefore the process and handling requirements	The Proposed Change would not impact on compliance with this measure.	Yes
GG7	E10 bioethanol and B5 biodiesel will be utilised where feasible	The Proposed Change would not impact on compliance with this measure.	Yes
W1	A construction waste and resource management plan (CWRMP) will be prepared prior to construction and	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
	<p>outline appropriate management procedures to be implemented during construction. It shall include, but not be limited to:</p> <ul style="list-style-type: none"> • A procurement strategy to minimise unnecessary consumption of materials and waste generation • Identification of the waste types and volumes that are likely to be generated • Adherence to the waste management hierarchy principles of avoid/ reduce/ re-use/ recycle/ dispose • Classification of waste in accordance with the Waste Classification Guidelines (NSW EPA, 2014) • Waste management procedures to manage the segregation, handling, storage and disposal of waste, including unsuitable material or unexpected waste volumes, identification of re-use options for surplus materials, and identification of licensed waste disposal facilities to be used • Identification of reporting requirements and procedures for waste tracking required 		
W2	Wherever feasible and reasonable, construction materials will be sourced locally from within the Sydney region	The Proposed Change would not impact on compliance with this measure.	Yes
W3	<p>A spoil management plan shall be prepared as part of, and in line with the CWRMP. The spoil management plan shall outline appropriate management procedures for the generation, management and importation of spoil. It shall include, but not be limited to:</p> <ul style="list-style-type: none"> • Procedures for testing and classification of spoil • Identification of spoil re-use options • Spoil stockpile management procedures • Licensed spoil disposal and re-use locations • Imported spoil sources and estimated volumes. 	The Proposed Change would not impact on compliance with this measure.	Yes

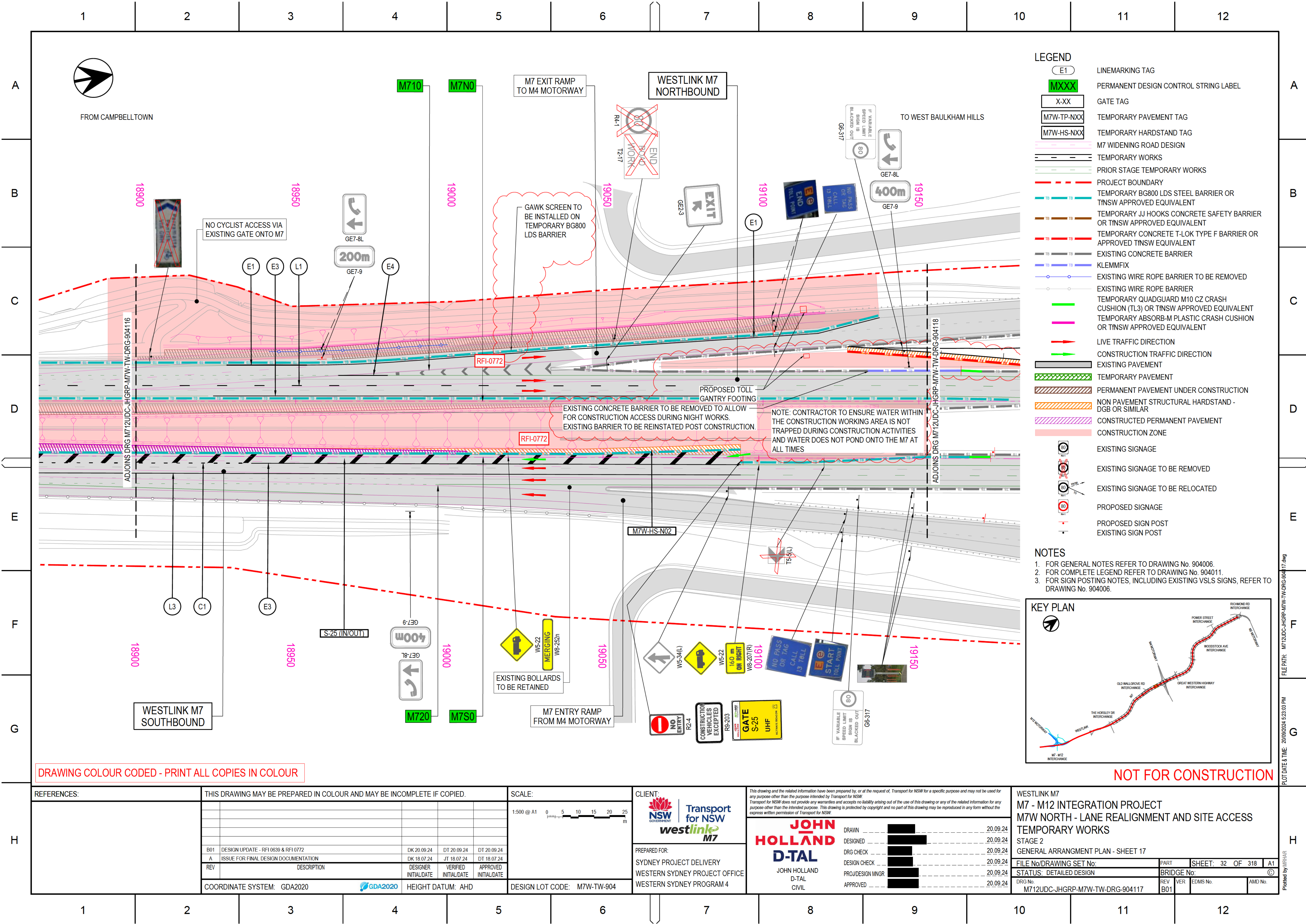
No.	Mitigation Measure	Discussion	Consistent
W5	Remaining vegetation that is not re-used onsite will be discussed with relevant council(s), Western Sydney Parklands Trust and Landcare groups and other relevant government agencies to determine if hollows, tree trunks, mulch, bush rock and root balls salvaged from native vegetation could be used by others in habitat enhancement, beneficial re-use and rehabilitation work, before pursuing other disposal options.	The Proposed Change would not impact on compliance with this measure. Weeds are located within the Gore Section. Therefore, vegetation to be removed within the Gore Section will likely be deemed unsuitable for reuse due to weed contamination.	Yes
HR1	A Work Health Safety Management Plan (WHSMP) will be prepared for the proposed modification. The WHSMP will include: <ul style="list-style-type: none"> • Details of the hazards and risks associated with construction activities • Risk management measures • Procedures to comply with legislative and industry standard requirements • Use of appropriate personal protective equipment • Contingency plans, as required • An incident response management plan • Training for all personnel (including subcontractors) including site inductions, the recognition and awareness of site hazards and the locations of relevant equipment to protect themselves and manage any spills. All staff will have the relevant training and certificates.	The Proposed Change would not impact on compliance with this measure.	Yes
HR2	Measures to mitigate and manage bushfire risk will be developed and included as part of site-specific hazard and risk management measures within the WHSMP. Measures will include the maintenance of ancillary facilities in a tidy and orderly manner and the storage and management of dangerous goods and hazardous materials in accordance with applicable legislation, policy, and Australian Standards.	The Proposed Change would not impact on compliance with this measure.	Yes

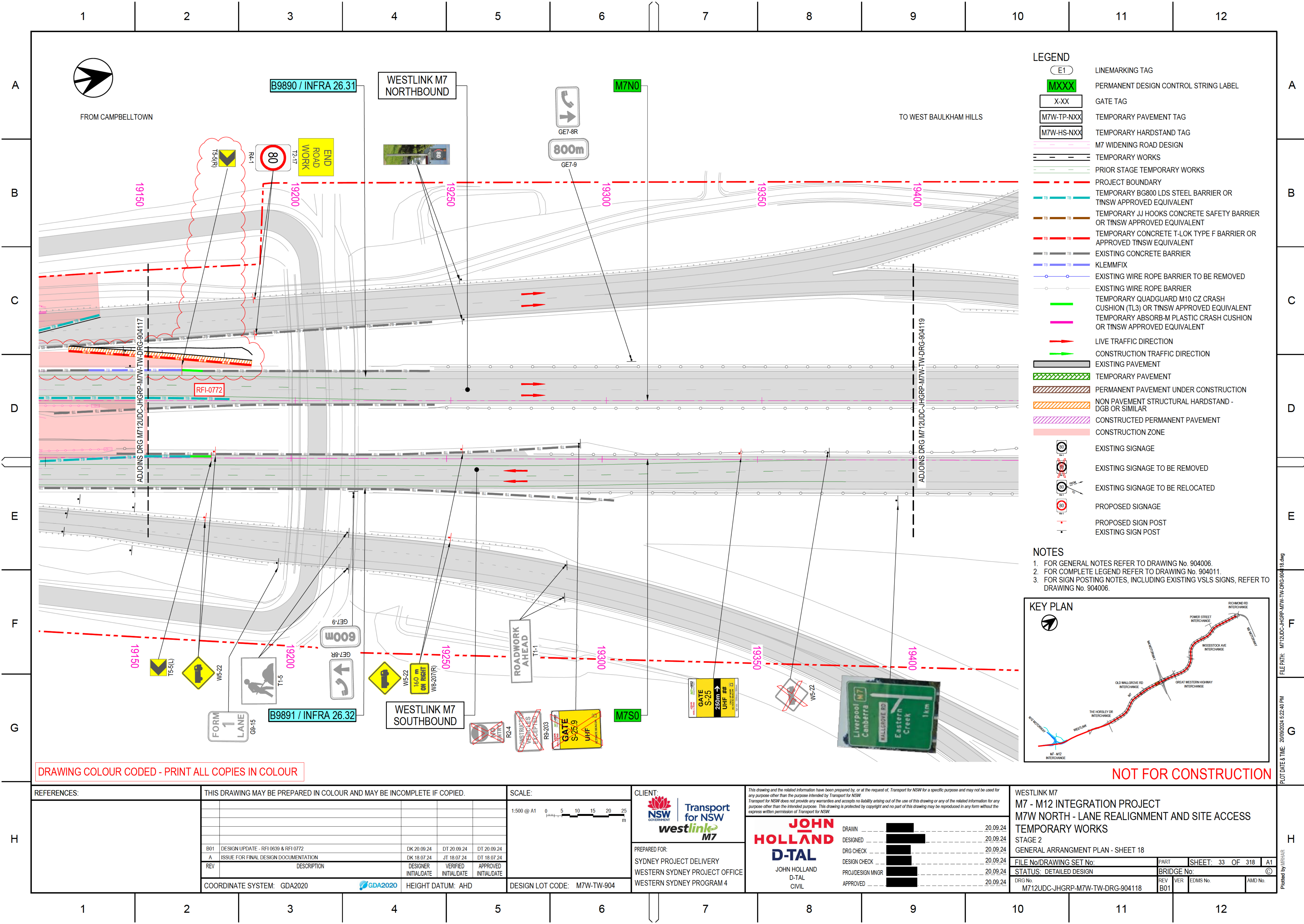
No.	Mitigation Measure	Discussion	Consistent
HR3	A Bushfire Emergency Management and Evacuation Plan will be developed for the construction phase. The plan will outline stop work procedures and evacuation routes. The bushfire evacuation procedure within each plan will be completed in accordance with NSW RFS Guide to Developing a Bushfire Emergency Management and Evacuation Plan (2014)	The Proposed Change would not impact on compliance with this measure.	Yes
HR4	Relevant works will be managed under a Hot Work and Fire Risk Work procedure. Where necessary essential hot works may be completed on a day declared to be a Total Fire Ban (TOBAN) providing it complies with the Hot Work and Fire Risk Work procedure exemption from the NSW RFS.	The Proposed Change would not impact on compliance with this measure.	Yes
HR6	An Incident Response Management Plan will be developed and implemented during construction. The response to incidents within the road will be managed in accordance with the memorandum of understanding between Roads and Maritime and the NSW Police Service, NSW Rural Fire Service, NSW Fire Brigade and other emergency services.	The Proposed Change would not impact on compliance with this measure.	Yes
HR7	Consultation with relevant utility providers will be undertaken to confirm the presence of utilities and refine potential utility adjustments and utility protection measures (with a view to avoiding impacts if possible and protecting or adjusting if required) during detailed design. The final construction methodology will consider any special measures required to avoid impacts on these services during construction, where possible.	The Proposed Change would not impact on compliance with this measure.	Yes
HR8	Storage, handling and use of dangerous goods and hazardous substances will be in accordance with the Work Health and Safety Act 2011 and the Storage and	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
	Handling of Dangerous Goods Code of Practice (WorkCover NSW, 2005).		
HR9	Storage areas for oils, fuels and other hazardous liquids will be located outside of identified floodprone areas identified in Section 6.2.1 of Appendix G (Surface water and flooding assessment). Secure, bunded areas will be provided around storage areas.	The Proposed Change would not impact on compliance with this measure.	Yes
HR10	A register and inventory of dangerous goods and hazardous substances will be kept at each storage location. This register will be maintained as part of an incident response management plan developed for the proposed modification. The register will include Safety Data Sheets which will be obtained for dangerous goods and hazardous substances prior to their delivery onsite and stored in an accessible place.	The Proposed Change would not impact on compliance with this measure.	Yes
HR11	All hazardous substances will be transported in accordance with relevant legislation and codes, including the Dangerous Goods (Road and Rail Transport) Regulation 2014 and the 'Australian Code for the Transport of Dangerous Goods by Road and Rail' (National Transport Commission, 2020).	The Proposed Change would not impact on compliance with this measure.	Yes

No.	Mitigation Measure	Discussion	Consistent
Cu1	<p>Consultation with other project owners, operators, and/or contractors to understand construction programmes and ensure that conflicting requirements for access, traffic lane closures, high noise and vibration generating activities, and nightworks are avoided or minimised as much as reasonably practical, in order to prevent construction fatigue for local sensitive receptors. Communication with other project owners, operators, and/or contractors should be an iterative process and continue throughout the construction phase. These management measures to prevent construction fatigue should be captured in the Construction Environment Management Plan (CEMP). They should also be presented in the topic-specific environmental management plans, such as Construction Traffic and Access Management Plan (see Mitigation Measure T1) and Construction Noise and Vibration Management Plan (CNVMP) (see Mitigation Measure NV1).</p>	<p>The Proposed Change would not impact on compliance with this measure.</p>	Yes
Cu2	<p>Clear communication will be undertaken with the community when required, which is coordinated with other projects so that similar projects retain consistent messaging and complaint mechanisms.</p>	<p>The Proposed Change would not impact on compliance with this measure.</p>	Yes

Appendix B - Drawings of Indicative Works and Site Design for Gore Section





04 October 2024

To [REDACTED], Senior Environmental Advisor – M7M12 Interchange Project

From [REDACTED] Ecologist/Botanist, Leneco Tel. 0487871599
Email. [REDACTED]@leneco.au

Subject M7 Widening Project Consistency Assessment Ecological Memo, M4 Off Ramp Site

1. Introduction

Leneco was engaged by the John Holland Group (JHG), on behalf of Transport for NSW (TfNSW), to conduct an ecological assessment of one (1) additional construction site located outside the approved construction footprint for the M7 Widening Project (SSI 663 Mod 6) (the approved project). The additional construction site is required for toll gantry infrastructure.

This memo has been prepared to identify potential ecological constraints associated with the site. This assessment was used to determine if the changes would trigger Condition of Approval D3 and D4. Condition D3 requires that the impacts to plant community types (PCTs) or species credit species (Southern Myotis) must not exceed those listed in the Biodiversity Development Assessment Report (BDAR) and Condition D4, unless approved by the Planning Secretary.

2. Assessment and Survey Method

One site was assessed as mapped in **Attachment 1**, the site is at the following location:

- Site 1- Chainage 19050-19200: between the M7 northbound lane and the M4 off ramp, next to Wallgrove Rd.

The site was inspected on the 15th August 2024 and the 30th of September 2024 by Paris Bach and Ryan Kassouf. During the inspection, the vegetation composition was assessed to determine if it aligned with the vegetation classes (PCT type and condition class) assigned to vegetation within the approved construction boundary in the BDAR (Niche, 2022), or to a new vegetation class is relevant. The inspection also involved searching for threatened species and their habitats and assessing for hollow-bearing trees.

This assessment was completed with reference to the Biodiversity Development Assessment Report (BDAR) (Niche, 2022), which was prepared for the approved project and included in the modification report.

3. Results

The results of the site assessment is provided in **Attachment 2** and additional photos are provided for each site in **Attachment 3**.

Plant Community Type (PCT) and Threatened Ecological Communities (TEC)

Site 1 contained vegetation attributed to the vegetation class N/A Non-PCT vegetation. It contained a combination of planted native vegetation with exotic grasses and weeds present. This area has no attributed TECs as the vegetation does not comply with a PCT.

Threatened species and their habitat

No threatened species of plants or animals, or their habitat, were recorded within the additional construction site.

Trees

No trees (including mature trees) were recorded within the site.

Weeds

No sites contained any Weeds of National Significance (WONS). The weed management protocol in the weed management plan in the CFFMP is required to be followed for all weeds.

4. Offset requirements

The Infrastructure Approval (SSI 663 Mod 6) Condition of Approval D3 states that impacts to PCTs must not exceed those identified in the documents listed in Condition 1A of Schedule 1 (which includes the BDAR), unless otherwise approved by the Planning Secretary.

This assessment has confirmed that the proposed additional site does not contain any PCTs or TECs. As such, Condition of Approval D3 and D4 are not triggered, and additional biodiversity offsets are not required.

5. Tree replacement

For all non-PCT vegetation that contains removal of trees, they must be replaced in accordance with Conditions D11 and D12 of the Infrastructure Approval (SSI 663 Mod 6). These conditions mandate the replacement of all trees removed for the project at a ratio of 2:1, excluding trees offset under Condition D4.

The provision of replacement trees should be guided by a Tree Survey conducted during the detailed design phase. This survey must identify the number, type, and location of any trees to be removed. The Tree Survey, along with the Design and Landscape Plan required under Condition D19, must be submitted to the Planning Secretary for information.

This assessment confirmed that the additional site does not contain any trees within the proposed footprint.

6. Conclusion

The proposed site was also confirmed as having the following attributes:

- No PCT or TEC vegetation.
- No habitat for threatened species or threatened species themselves.
- No tree clearing.
- No WONS.

If you have any questions regarding this project or require additional information, please do not hesitate to contact me on mobile 0487871599 or email [REDACTED]@leneco.au

Your Sincerely



[REDACTED] B. Env Sc.

Ecologist/Botanist, M7 M12 Integration Project

References

Niche. (2022). *Westlink M7 Widening, between M5 and Richmond Road, Biodiversity Development Assessment Report.*

Attachments

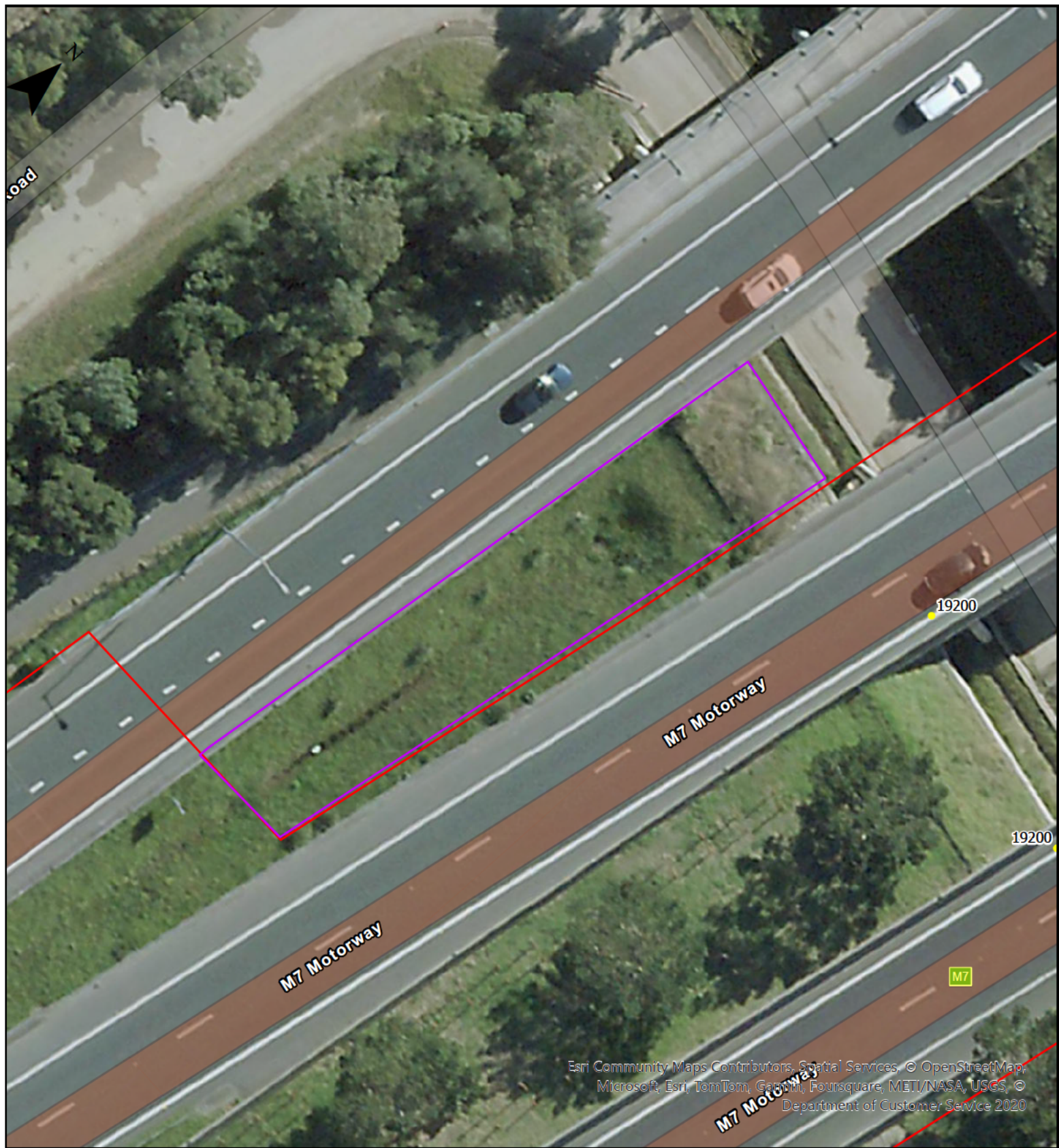
Attachment 1- Leneco Maps

Attachment 2- Site Assessments

Attachment 3- Site Photos

Attachment 1 – Leneco Maps


Map 1- Site 1, chainage 19050-19200



M7 Widening- CA031 Site 1

- Approved M7 Construction Footprint (May 2024)
- CA031 Site
- M7_Design_Chainages_20230828

Attachment 2 – Site Assessments

Site ID	Site 1- Chainage 19050-19200
Location	Between the M7 northbound lane and the M4 off ramp next to Wallgrove Rd.
Proposed Activities	Construction of an access track to the tolling gantry, minor shrub and grass clearing.
Vegetation composition	The area consists of exotic pasture grasses and weeds, there is no native vegetation, trees or shrubs present. This area is highly disturbed from previous construction activities by the M7 Motorway.
Native Species List	<u>Mid-stratum</u> : Spiny-head Mat-rush (<i>Lomandra longifolia</i>).
Weed Species List	<u>Mid-stratum</u> : Yellow Bells (<i>Tecoma stans</i>). <u>Ground Cover</u> : Cobblers Pegs (<i>Bidens pilosa</i>), Rhodes Grass (<i>Chloris gayana</i>), Arrowleaf Sida (<i>Sida rhombifolia</i>), Yellow Vetch (<i>Vicia lutea</i>).
Contiguous with vegetation class mapped in the BDAR	Yes.
Equivalent to vegetation class mapped in the BDAR	N/A Non-PCT vegetation.
Justification for vegetation class	The vegetation within the site consists of a midstratum of weedy shrubs and native shrubs, and a ground cover of exotic grasses and weeds. There is no remnant vegetation within the site.
Photo	

Attachment 3 – Site Photos

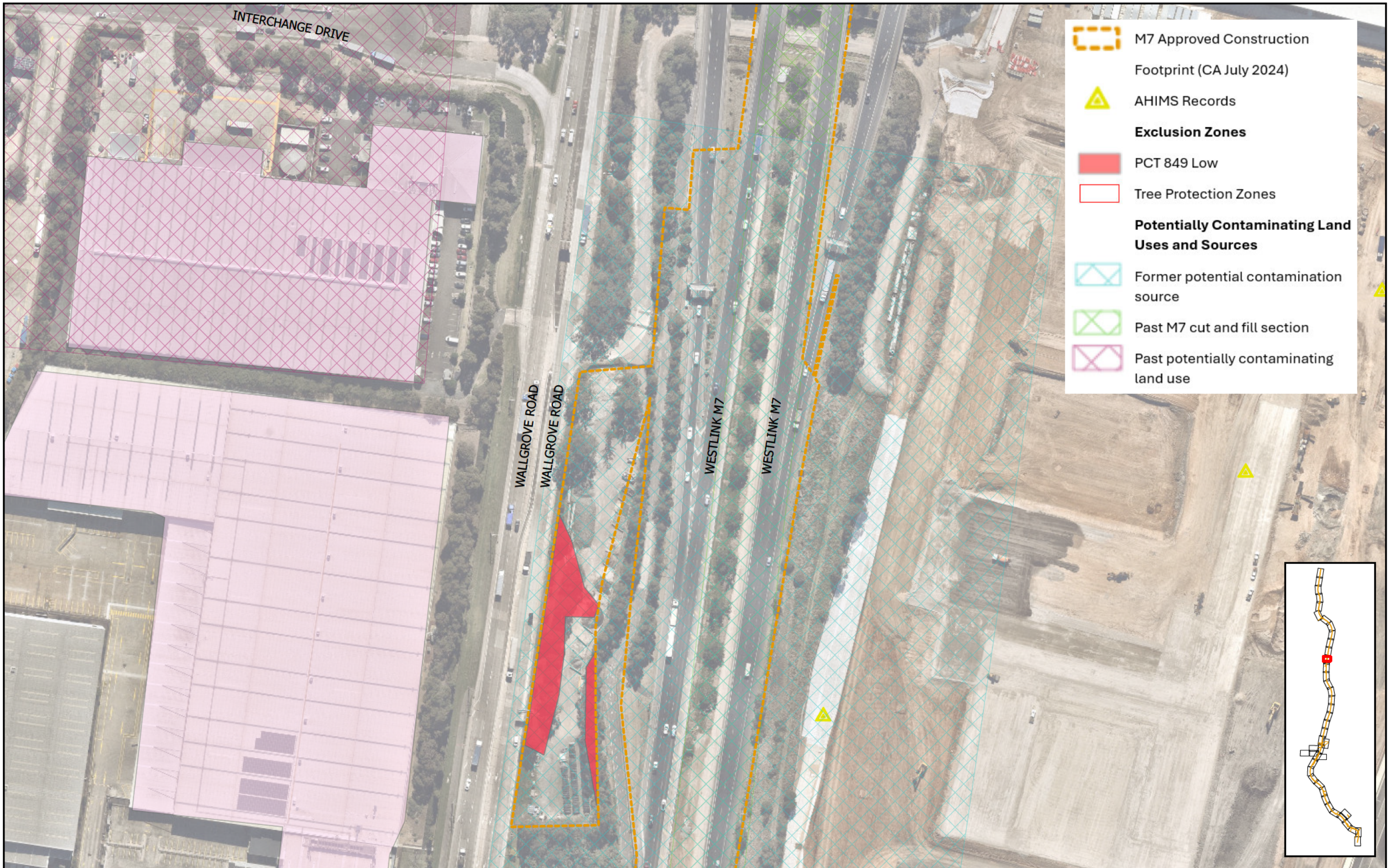
<div>Photo 1</div>	
<div>Photo 2</div>	

Photo 3
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Appendix D – Sensitive Area Plan - Zone C-1 and Gore Section



M7 Approved Construction Footprint (CA July 2024)

AHIMS Records

Exclusion Zones

PCT 849 Low

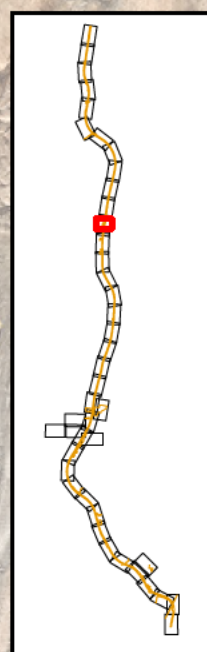
Tree Protection Zones

Potentially Contaminating Land Uses and Sources

Former potential contamination source

Past M7 cut and fill section

Past potentially contaminating land use



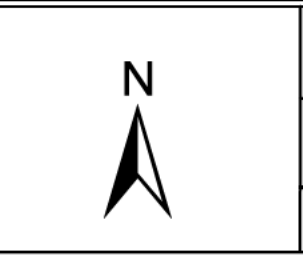
Rev	Description	Date	Approved

Scale
1:1,540

0 5 10 20 30 40 50 m

JOHN HOLLAND
Jacobs **SMEC**
Member of the Surlana Group

Status			
FOR REVIEW			
Original Size	A3	Drawn	GIS
Coordinate System	MGA ZONE 56	Designed	rw
Height Datum	AHD	Date Printed	2/10/2024
Filename:	Enviro_Constraint_Mapping-M7.aprx		



M7 Widening - Sensitive Area Plan			
Page 1 of 43			
Document Number			
Project Number	Discipline	Document	Rev
			A

Appendix E – Noise and Vibration Modelling of Indicative Works within Zone C-1 and Gore Section

08 October 2024

2024-10-08_TN188-04 M4 Northbound Off Ramp Gore Section Works for Installation of Crash Barrier - ID TN188_1748.docx

John Holland

[REDACTED]

[REDACTED]@jhg.com.au

From: Renzo Tonin and Associates via Gatewave

Calculation scenario: **M4 Northbound Off Ramp Gore Section Works for Installation of Crash Barrier** (Gatewave ID TN188_1748)

M7-M12 Integration Project – Noise and Vibration Assessment Report

1 Introduction

The Renzo Tonin and Associates web-based construction assessment tool (Gatewave) has been used to prepare this noise and vibration assessment report for John Holland and the M7-M12 Integration Project (the Project).

The overall noise and vibration impacts from the Project works and associated mitigation measures (e.g. hoardings) have already been addressed in the Project's Construction Noise and Vibration Impact Statements (CNVIS). This tool allows specific work areas and activities to be assessed as construction works progress. It also allows cumulative noise impact from other aspects of the Project or, where relevant noise from other construction projects, to be assessed and managed in accordance with the Project's Construction Noise and Vibration Management Plan (CNVMP, reference M712UDC-JOHN HOLLANDRP-M7A-EN-PLN-00000_M12East_CNVMP).

2 Assessment methodology

2.1 Construction noise

Results for the assessment of airborne noise were determined using a CadnaA computer noise model developed for the Project. The CadnaA noise model incorporates ground elevation contours, building heights, the built environment and atmospheric conditions to predict construction noise in accordance with the International Standard ISO 9613-2:1996 implementing quality standard ISO 17534-1:2015.

Results from the CadnaA noise model are exported and stored into the Gatewave database which allows for the prediction of the total cumulative noise from all construction activities.

A summary of the noise calculation parameters is detailed in Table 1.

Table 1: Summary of noise modelling parameters

Parameters	Inputs
Calculation method	ISO 9613-2:1996 implementing quality standard ISO 17534-1:2015
Location of noise sources above the local ground	1.5m
Height of receivers	1.5m above ground level to represent 1.5m above ground floor level Additional 3m height for every additional floor assessed (i.e. 4.5m above ground for first floor, 7.5m for second floor etc.)
Sound Power Levels (L_w) of plant and equipment	All L_w data obtained from Renzo Tonin & Associates database Detailed in Section 3
Construction activities	Detailed in Section 3
Ground absorption	Varying from 1 for absorptive surfaces (e.g. park land), 0.5 (e.g. residential areas) to 0 for reflective surfaces (e.g. water, concrete, paving);
Noise barriers and screening	As detailed in Project CNVIS

2.2 Construction vibration

If there are any vibration intensive plant and equipment, the recommended minimum working distances (MWD) are presented in Table 4.

3 Construction activities, work areas and NCAs

3.1 Justification to complete the works OOH

Required ROL.

3.2 Construction activities

3.2.1 Plant and equipment use

A summary of the plant and equipment operating during each assessment time period is presented in Table 2. Note that Table 2 identifies if a plant/equipment item is used for part or all of the assessment period on a given day, and does not necessarily denote if the plant/equipment are operating concurrently (refer APPENDIX A for details on which plant/equipment are operating together).

Table 2: Proposed construction activities and associated sound power levels

Activity/plant/equipment	Number in use				Sound power level, dB(A)		High impact item	Noise reduction from mitigation measures, dB(A)
	Day	Day (OOH)	Evening	Night	Leq	Lmax		
M4 Northbound Off Ramp Gore Section Works for Installation of Crash Barrier								
40T Franna Crane	1	-	1	1	98	106	-	-
Excavator w bucket (13t)	1	-	1	1	102	108	-	-
Dump truck	2	-	2	2	107	111	-	-
Light vehicles	2	-	2	2	82	100	-	-
Smooth drum roller (13t) - low vibration mode	1	-	1	1	113	113	Yes	-
Water cart	1	-	1	1	100	107	-	-
Skid steer / Bobcat (10T)	1	-	1	1	102	109	-	-
Hiab	1	-	1	1	96	102	-	-
Generator	1	-	1	1	94	95	-	-
Lighting tower	2	-	2	2	102	102	-	-

Notes:

- 1) Refer APPENDIX A for plant/equipment timings and to identify which items operate concurrently.
- 2) Equipment marked in orange are not verified by Renzo Tonin and Associates

The locations of the construction activities are presented in Figure 1.

Figure 1: Construction work areas



4 Construction noise and vibration impacts

4.1 Predicted noise levels

4.1.1 Construction $L_{Aeq,15min}$ assessment

Noise levels were determined by modelling the noise sources, receiver locations, and operating activities, based on the information presented in Table 2.

The noise predictions presented in this report represent a realistic worst-case scenario when construction occurs at the closest location within a specific work area. At each receiver, noise levels will vary during the construction period based on the position of equipment within the work area, the distance to the receiver, the construction activities being undertaken and the noise levels of particular plant items and equipment. Actual noise levels will often be less than the predicted levels presented.

A summary of the results is presented in Table 3. NMLs and predictions for the three worst-affected receivers for each works area are provided in Table 5. Detailed noise results including additional mitigation measures are provided in APPENDIX B and presented visually in noise maps in APPENDIX C.

Table 3: Summary of receivers above relevant NMLs

NCA	Day		Day (OOH)		Evening		Night	
	dB(A) above NML	No. of properties	dB(A) above NML	No. of properties	dB(A) above NML	No. of properties	dB(A) above NML	No. of properties
Industrial	0 to 10	0	0 to 5		0 to 5	0	0 to 5	0
	> 10	0	5 to 15		5 to 15	0	5 to 15	0
	Over 75 dB(A)	0	15 to 25		15 to 25	0	15 to 25	0
			> 25		> 25	0	> 25	0
Commercial	0 to 10	0	0 to 5		0 to 5	0	0 to 5	0
	> 10	0	5 to 15		5 to 15	0	5 to 15	0
	Over 75 dB(A)	0	15 to 25		15 to 25	0	15 to 25	0
			> 25		> 25	0	> 25	0

4.2 Predicted vibration levels

The recommended MWDs for cosmetic damage and human annoyance are presented in Table 4.

Table 4: Generic minimum working distances for cosmetic damage and human annoyance

Plant item	Reference	Minimum working distance, m			
		Cosmetic damage (screening criteria)		Human comfort (screening limit)	
		Heritage buildings	Non-heritage	Residential ¹	Non-residential ²
Smooth drum roller (13t) - low vibration mode	RTA ROLLER_009	10	5	55	20

Notes:

1. Screening limit for residences, night time
2. Screening limit for offices, schools, educational institutions and places of worship (day or night)

4.3 Mitigation measures

4.3.1 Specific reasonable and feasible mitigation measures

- High impact works must only be undertaken in blocks of maximum of 3 hours with a minimum of 1 hour break
- Toolbox talks, inductions, worker behaviour;
- Avoid shouting, slamming doors, dropping materials from height;
- Non-tonal squawkers only;
- Switching off engines when not in use

4.3.2 Additional noise mitigation measures

In accordance with the CNVG, where, after application of all reasonable and feasible mitigation measures, the $L_{Aeq(15\text{minute})}$ airborne construction noise levels are still predicted to exceed the NMLs, additional airborne noise mitigation measures can be applied to further limit the risk of annoyance from construction noise.

Figure 2 presents a summary of the additional noise mitigation measures applicable for construction activities where, after application of all reasonable and feasible mitigation options, construction noise levels still exceed the NMLs.

Figure 2: Additional airborne noise mitigation measures

When is the work being undertaken?	How much does the predicted noise level exceed the ANML by?	Identify additional management measures to be implemented	Additional mitigation measure code
All Hours	75 dB(A) or greater	V, N, PC, RO	AM2
Standard Hours M-F 7am to 6pm Sat 8am to 6pm	0 dB(A)	-	-
	≤ 10 dB(A)	-	-
	10 to 20 dB(A)	V, N	AM1
	> 20 dB(A)	V, N	AM1
OOHW Period 1 M-F 6pm to 10pm Sat 6pm to 10pm Sun/ PH 8am to 10pm	< 5 dB(A)	-	-
	5 to 15 dB(A)	N, R1, DR	AM3
	15 to 25 dB(A)	V, N, R1, DR	AM4
	> 25 dB(A)	V, N, SN, IB, PC, R1, DR	AM5
OOHW Period 2* M-F 10pm to 7am Sat 10pm to 8am Sun/ PH 6pm to 8am	< 5 dB(A)	N	AM6
	5 to 15 dB(A)	V, N, R2, DR	AM7
	15 to 25 dB(A)	V, N, SN, IB, PC, R2, DR	AM8
	> 25 dB(A)	AA, V, N, SN, IB, PC, R2, DR	AM9

Notes: Use the abbreviation codes in the table above to confirm management measures required

* Where OOHV occur in the evening/night shoulder period (10pm to 12am) or the night/morning shoulder period (5am to 7am) apply additional airborne mitigation measures from the OOHV Period 2, excluding AA.

N = Notification (should be issued a minimum of five working days prior to the start of works)

SN = Specific notifications (issued no later than seven calendar days ahead of construction activities)

IB = Individual briefing

PC = Phone Call

AA = Alternative accommodation**

RO = Project specific respite offer

R1 = Respite period 1

V = Verification of predicted noise

DR = Duration respite

R2 = Respite period 2

** Where construction activity impacts receiver for more than two consecutive nights. AA is not applicable to shoulder periods.

4.3.3 Noise monitoring plan

Attended noise monitoring is to be undertaken to verify that noise levels resulting from works are in accordance with the levels predicted in this noise and vibration assessment report, subject to obtaining the property owner/occupier's consent to access the property (where required). Noise monitoring should be carried out on or near the property boundary at a location representative of the worst affected location (i.e. in publicly accessible areas on or near the nominated receivers, typically at ground level).

Table 5 identifies potential monitoring locations in each NCA, which are the three worst noise-affected receivers for each NCA from the works.

Note: Gatewave tries to find the most affected receivers in each NCA (up to 3 locations) purely based on the numerical results. These locations will be reviewed for suitability based on safety, accessibility, will provide valid data, etc. If not suitable, alternative suitable locations will be selected for verification monitoring.

If monitoring levels exceed predicted levels, continual improvement and corrective action measures will be implemented, (e.g. investigate cause, review work or activity, scheduling, etc).

Table 5: Nominated verification monitoring locations

Receiver			Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax
NCA	Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night

4.3.4 Vibration monitoring

It is noted that the generic MWDs in Table 4 are taken from a database of vibration levels measured at various sites or obtained from other sources (e.g. BS5228-2:2009). They are not specific to these works as final vibration levels are dependent on many factors including the actual plant used, its operation and the intervening geology between the activity and the receiver.

Site specific MWDs for vibration significant plant items must be measured on site where plant and equipment are likely to operate close to or within the generic MWDs for both cosmetic damage and human annoyance. These site specific MWDs will then be included in Gatewave.

If works are likely to be within the generic or site specific MWDs, attended vibration monitoring is to be undertaken to verify that vibration levels comply with the vibration objectives described in the NVMP.

Additional monitoring for human annoyance from vibration would be carried out proactively and in response to vibration complaints.

Vibration monitoring should follow the procedures outlined in the Construction Noise and Vibration Monitoring Program (Appendix B of the CNVMP).

Important disclaimer

- * This document has been partly automatically generated by Gatewave™, software for prediction, assessment and management of noise and vibration, developed by Renzo Tonin and Associates.
- * This document is uncontrolled. Please contact Renzo Tonin and Associates if you suspect there are any errors in this report.
- * Results in this report are based on the assumptions described in Section 0 and inputs presented in Section 3. Noise and vibration monitoring data will be collected to ensure Gatewave is verified and adjusted, if required.
- * Renzo Tonin and Associates cannot be held liable for the misuse of the software Gatewave™, including any errors that may be contained within the software.

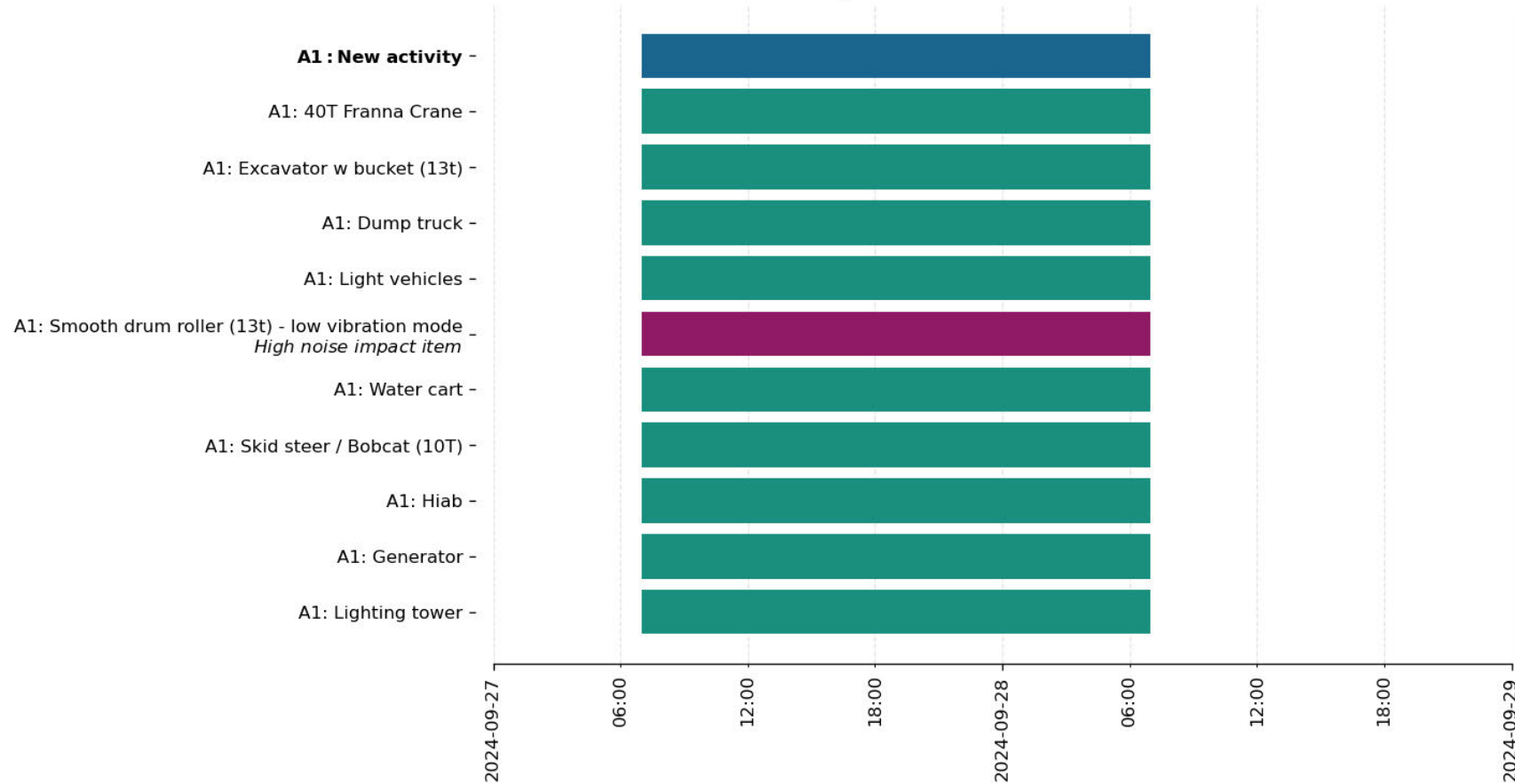
APPENDIX A Summary of works

A.1 Plant and equipment

Table 6: Plant and equipment schedule for work area: M4 Northbound Off Ramp Gore Section Works for Installation of Crash Barrier

Equipment	Penalty, dB(A)	Quantity	Intensity	Reduction, dB	Sound power level, dB(A)		Start time	End time
					L _{eq,15min}	L _{max}		
New activity								
40T Franna Crane	-	1	70%	0	98	106	2024-09-27 07:00:00	2024-09-28 07:00:00
Excavator w bucket (13t)	-	1	80%	0	102	108	2024-09-27 07:00:00	2024-09-28 07:00:00
Dump truck	-	2	60%	0	107	111	2024-09-27 07:00:00	2024-09-28 07:00:00
Light vehicles	-	2	10%	0	82	100	2024-09-27 07:00:00	2024-09-28 07:00:00
Smooth drum roller (13t) - low vibration mode	5	1	80%	0	113	113	2024-09-27 07:00:00	2024-09-28 07:00:00
Water cart	-	1	40%	0	100	107	2024-09-27 07:00:00	2024-09-28 07:00:00
Skid steer / Bobcat (10T)	-	1	70%	0	102	109	2024-09-27 07:00:00	2024-09-28 07:00:00
Hiab	-	1	70%	0	96	102	2024-09-27 07:00:00	2024-09-28 07:00:00
Generator	-	1	100%	0	94	95	2024-09-27 07:00:00	2024-09-28 07:00:00
Lighting tower	-	2	100%	0	102	102	2024-09-27 07:00:00	2024-09-28 07:00:00

M4 Northbound Off Ramp Gore Section Works for Installation of Crash Ba



APPENDIX B Detailed construction noise results

Table 7: Construction noise results

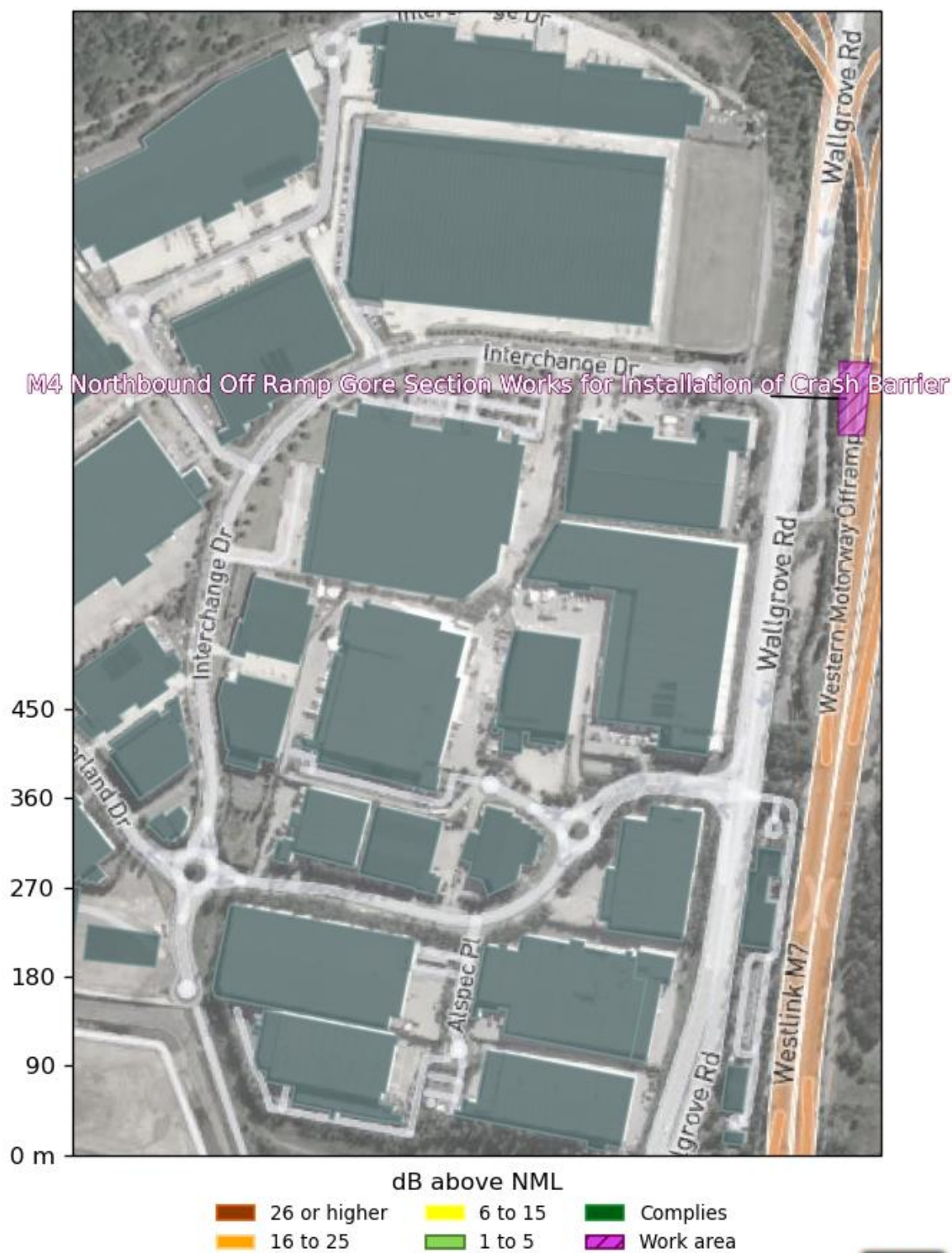
Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
10 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	63	-	63	63	63	-	-	-	-
2 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	60	-	60	60	60	-	-	-	-
9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	56	-	56	56	56	-	-	-	-
9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	55	-	55	55	55	-	-	-	-
8 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	51	-	51	51	51	-	-	-	-
101 WALLGROVE ROAD, EASTERN CREEK, NSW	Commercial	70	70	70	70	None	None	50	-	50	50	50	-	-	-	-
9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	50	-	50	50	50	-	-	-	-
1 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	49	-	49	49	49	-	-	-	-
5 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	46	-	46	46	46	-	-	-	-
4 BEACH STREET, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	46	-	46	46	46	-	-	-	-
2 BEACH STREET, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	45	-	45	45	45	-	-	-	-
101 WALLGROVE ROAD, EASTERN CREEK, NSW	Commercial	70	70	70	70	None	None	45	-	45	45	45	-	-	-	-
60 WALLGROVE ROAD, MINCHINBURY, NSW	Industrial	75	75	75	75	None	None	45	-	45	45	45	-	-	-	-
6 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	45	-	45	45	44	-	-	-	-
60 WALLGROVE ROAD, MINCHINBURY, NSW	Industrial	75	75	75	75	None	None	44	-	44	44	44	-	-	-	-
60 WALLGROVE ROAD, MINCHINBURY, NSW	Industrial	75	75	75	75	None	None	44	-	44	44	44	-	-	-	-
9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	44	-	44	44	44	-	-	-	-
1 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	44	-	44	44	44	-	-	-	-
101 WALLGROVE ROAD, EASTERN CREEK, NSW	Commercial	70	70	70	70	None	None	44	-	44	44	44	-	-	-	-
3 ALSPEC PLACE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	44	-	44	44	44	-	-	-	-
2 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	43	-	43	43	43	-	-	-	-
1 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	43	-	43	43	43	-	-	-	-
5 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	42	-	42	42	42	-	-	-	-
60 WALLGROVE ROAD, MINCHINBURY, NSW	Industrial	75	75	75	75	None	None	40	-	40	40	40	-	-	-	-
9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	40	-	40	40	40	-	-	-	-
60 WALLGROVE ROAD, MINCHINBURY, NSW	Industrial	75	75	75	75	None	None	38	-	38	38	38	-	-	-	-
9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	37	-	37	37	37	-	-	-	-
8 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	37	-	37	37	37	-	-	-	-
4 ALSPEC PLACE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	37	-	37	37	37	-	-	-	-
1 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	37	-	37	37	36	-	-	-	-
15 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	36	-	36	36	36	-	-	-	-
1 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	35	-	35	35	35	-	-	-	-
2, BLUE METAL ROAD, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	35	-	35	35	35	-	-	-	-
2 ALSPEC PLACE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	35	-	35	35	34	-	-	-	-
2, BLUE METAL ROAD, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	35	-	35	35	34	-	-	-	-
None	Non-receiver	999	999	999	999	None	None	33	-	33	33	33	-	-	-	-
2 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	32	-	32	32	32	-	-	-	-
10 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	32	-	32	32	32	-	-	-	-

Receiver														Predicted noise levels, dB(A) Lmax		Additional mitigation				
		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min												
Address		Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day		Day (OOH)		Evening		Night	Night	Day	Day (OOH)	Evening	Night
1 INTERCHANGE DRIVE, EASTERN CREEK, NSW		Commercial	70	70	70	70	None	None	30		-		30		30	30	-	-	-	-

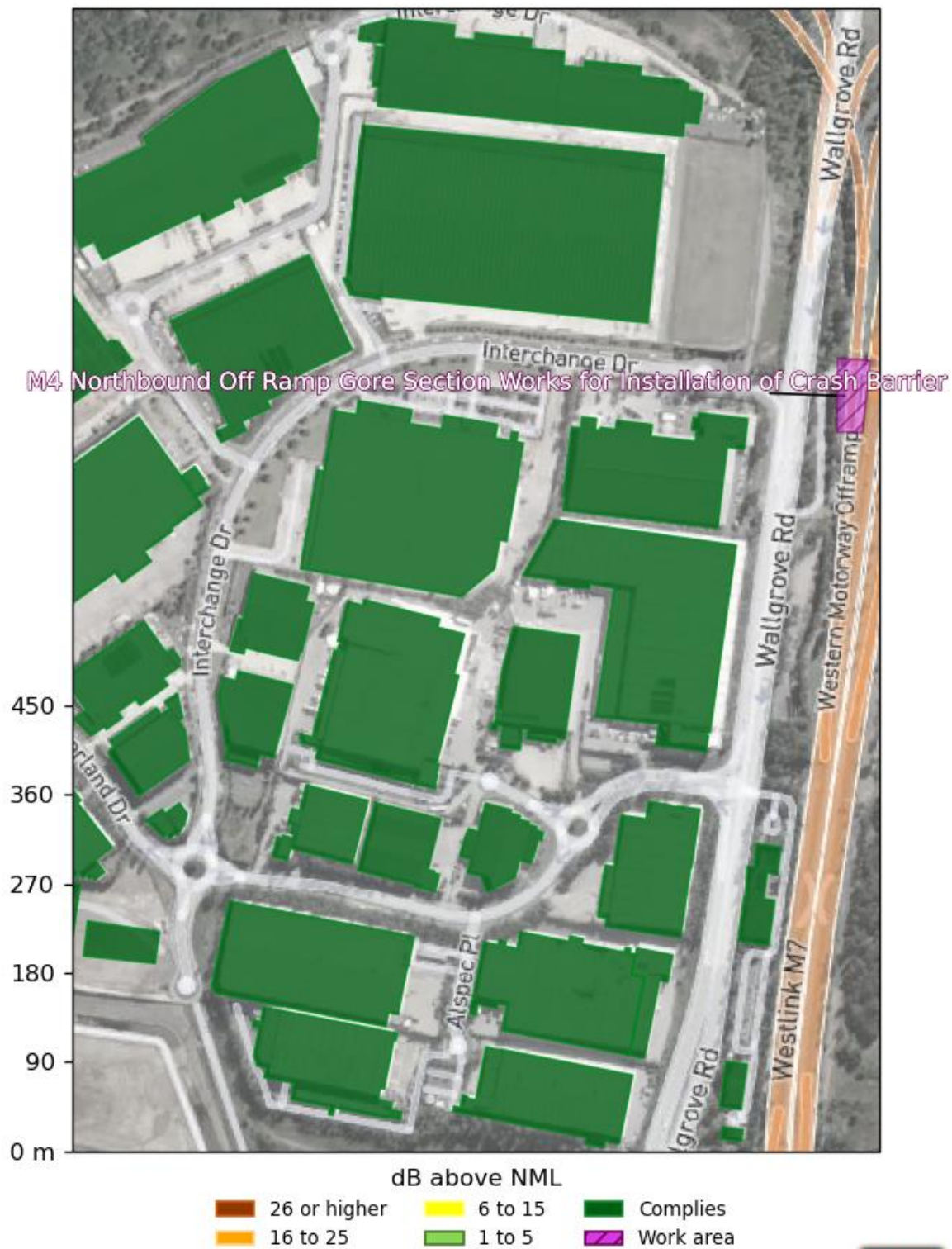
APPENDIX C Noise level above nominated target



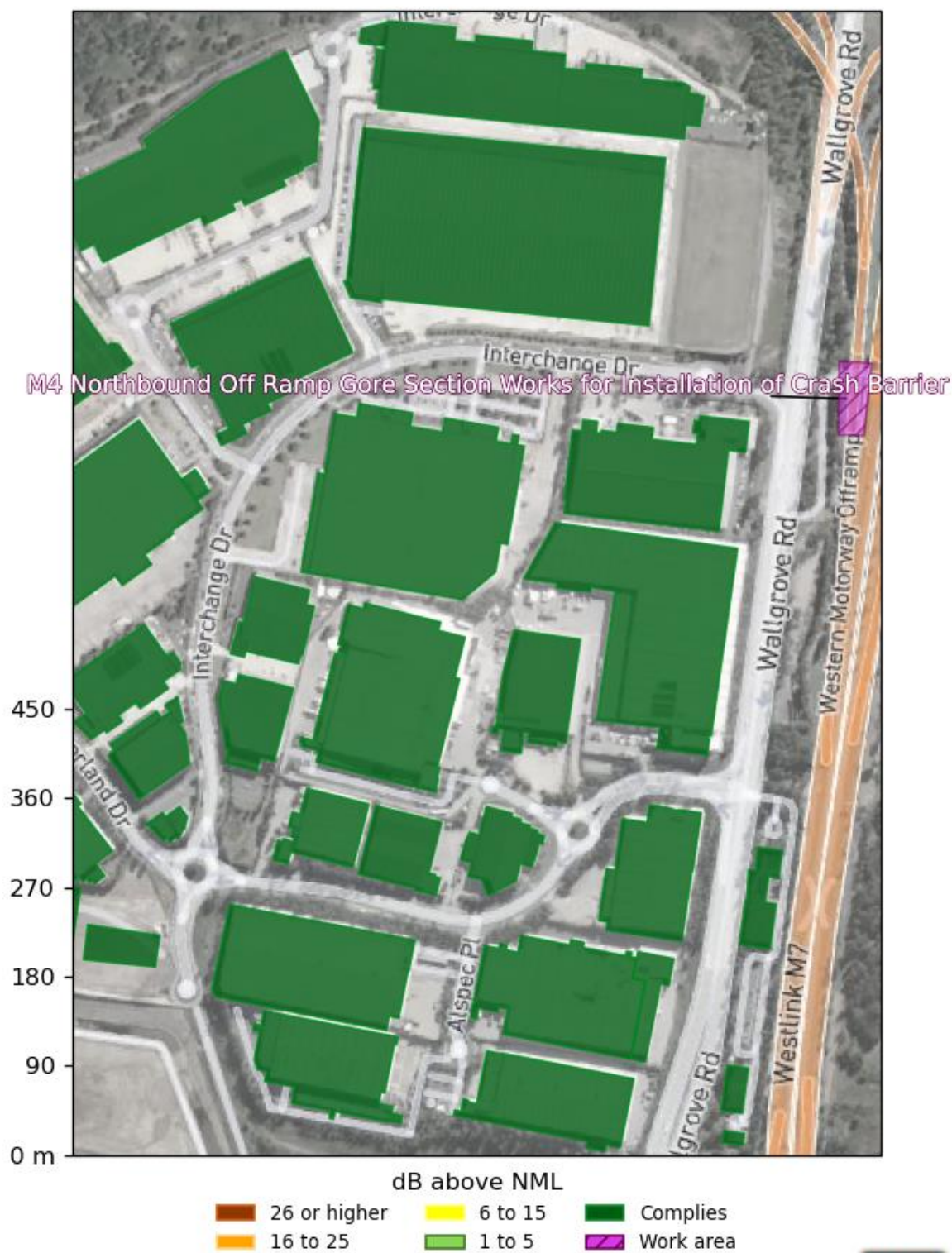
Noise level above NML Day (OOH) (area 1 of 1)



Noise level above NML Evening (area 1 of 1)



Noise level above NML Night (area 1 of 1)



08 October 2024

2024-10-08_TN188-04 Zone C-1 Ancillary Facility - ID TN188_1753.docx

John Holland

[REDACTED]

[REDACTED]r@jhg.com.au

From: Renzo Tonin and Associates via Gatewave

Calculation scenario: **Zone C-1 Ancillary Facility** (Gatewave ID TN188_1753)

M7-M12 Integration Project – Noise and Vibration Assessment Report

1 Introduction

The Renzo Tonin and Associates web-based construction assessment tool (Gatewave) has been used to prepare this noise and vibration assessment report for John Holland and the M7-M12 Integration Project (the Project).

The overall noise and vibration impacts from the Project works and associated mitigation measures (e.g. hoardings) have already been addressed in the Project's Construction Noise and Vibration Impact Statements (CNVIS). This tool allows specific work areas and activities to be assessed as construction works progress. It also allows cumulative noise impact from other aspects of the Project or, where relevant noise from other construction projects, to be assessed and managed in accordance with the Project's Construction Noise and Vibration Management Plan (CNVMP, reference M712UDC-JOHN HOLLANDRP-M7A-EN-PLN-00000_M12East_CNVMP).

2 Assessment methodology

2.1 Construction noise

Results for the assessment of airborne noise were determined using a CadnaA computer noise model developed for the Project. The CadnaA noise model incorporates ground elevation contours, building heights, the built environment and atmospheric conditions to predict construction noise in accordance with the International Standard ISO 9613-2:1996 implementing quality standard ISO 17534-1:2015.

Results from the CadnaA noise model are exported and stored into the Gatewave database which allows for the prediction of the total cumulative noise from all construction activities.

A summary of the noise calculation parameters is detailed in Table 1.

Table 1: Summary of noise modelling parameters

Parameters	Inputs
Calculation method	ISO 9613-2:1996 implementing quality standard ISO 17534-1:2015
Location of noise sources above the local ground	1.5m
Height of receivers	1.5m above ground level to represent 1.5m above ground floor level Additional 3m height for every additional floor assessed (i.e. 4.5m above ground for first floor, 7.5m for second floor etc.)
Sound Power Levels (L_w) of plant and equipment	All L_w data obtained from Renzo Tonin & Associates database Detailed in Section 3
Construction activities	Detailed in Section 3
Ground absorption	Varying from 1 for absorptive surfaces (e.g. park land), 0.5 (e.g. residential areas) to 0 for reflective surfaces (e.g. water, concrete, paving);
Noise barriers and screening	As detailed in Project CNVIS

2.2 Construction vibration

If there are any vibration intensive plant and equipment, the recommended minimum working distances (MWD) are presented in Table 4.

3 Construction activities, work areas and NCAs

3.1 Construction activities

3.1.1 Plant and equipment use

A summary of the plant and equipment operating during each assessment time period is presented in Table 2. Note that Table 2 identifies if a plant/equipment item is used for part or all of the assessment period on a given day, and does not necessarily denote if the plant/equipment are operating concurrently (refer APPENDIX A for details on which plant/equipment are operating together).

Table 2: Proposed construction activities and associated sound power levels

Activity/plant/equipment	Number in use				Sound power level, dB(A)		High impact item	Noise reduction from mitigation measures, dB(A)
	Day	Day (OOH)	Evening	Night	Leq	Lmax		
Zone C-1 Ancillary Facility								
Light vehicles	5	-	5	5	86	100	-	-
Dump truck	2	-	2	2	102	111	-	-
Generator	2	-	2	2	97	95	-	-
Smooth drum roller (13t) - low vibration mode	1	-	1	1	107	113	Yes	-
40T Franna Crane	1	-	1	1	93	106	-	-
Excavator w bucket (13t)	1	-	1	1	96	108	-	-
Water cart	1	-	1	1	97	107	-	-
Skid steer / Bobcat (10T)	1	-	1	1	97	109	-	-
Hiab	1	-	1	1	91	102	-	-
Lighting tower	2	-	2	2	102	102	-	-

Notes:

- 1) Refer APPENDIX A for plant/equipment timings and to identify which items operate concurrently.
- 2) Equipment marked in **orange** are not verified by Renzo Tonin and Associates

The locations of the construction activities are presented in Figure 1.

Figure 1: Construction work areas



4 Construction noise and vibration impacts

4.1 Predicted noise levels

4.1.1 Construction $L_{Aeq,15min}$ assessment

Noise levels were determined by modelling the noise sources, receiver locations, and operating activities, based on the information presented in Table 2.

The noise predictions presented in this report represent a realistic worst-case scenario when construction occurs at the closest location within a specific work area. At each receiver, noise levels will vary during the construction period based on the position of equipment within the work area, the distance to the receiver, the construction activities being undertaken and the noise levels of particular plant items and equipment. Actual noise levels will often be less than the predicted levels presented.

A summary of the results is presented in Table 3. NMLs and predictions for the three worst-affected receivers for each works area are provided in Table 5. Detailed noise results including additional mitigation measures are provided in APPENDIX B and presented visually in noise maps in APPENDIX C.

Table 3: Summary of receivers above relevant NMLs

NCA	Day		Day (OOH)		Evening		Night	
	dB(A) above NML	No. of properties	dB(A) above NML	No. of properties	dB(A) above NML	No. of properties	dB(A) above NML	No. of properties
Industrial	0 to 10	0	0 to 5		0 to 5	0	0 to 5	0
	> 10	0	5 to 15		5 to 15	0	5 to 15	0
	Over 75 dB(A)	0	15 to 25		15 to 25	0	15 to 25	0
			> 25		> 25	0	> 25	0
Commercial	0 to 10	0	0 to 5		0 to 5	0	0 to 5	0
	> 10	0	5 to 15		5 to 15	0	5 to 15	0
	Over 75 dB(A)	0	15 to 25		15 to 25	0	15 to 25	0
			> 25		> 25	0	> 25	0

4.2 Predicted vibration levels

The recommended MWDs for cosmetic damage and human annoyance are presented in Table 4.

Table 4: Generic minimum working distances for cosmetic damage and human annoyance

Plant item	Reference	Minimum working distance, m			
		Cosmetic damage (screening criteria)		Human comfort (screening limit)	
		Heritage buildings	Non-heritage	Residential ¹	Non-residential ²
Smooth drum roller (13t) - low vibration mode	RTA ROLLER_009	10	5	55	20

Notes:

1. Screening limit for residences, night time
2. Screening limit for offices, schools, educational institutions and places of worship (day or night)

4.3 Mitigation measures

4.3.1 Specific reasonable and feasible mitigation measures

- High impact works must only be undertaken in blocks of maximum of 3 hours with a minimum of 1 hour break
- Toolbox talks, inductions, worker behaviour;
- Avoid shouting, slamming doors, dropping materials from height;
- Non-tonal squawkers only;
- Switching off engines when not in use

4.3.2 Additional noise mitigation measures

In accordance with the CNVG, where, after application of all reasonable and feasible mitigation measures, the $L_{Aeq(15\text{minute})}$ airborne construction noise levels are still predicted to exceed the NMLs, additional airborne noise mitigation measures can be applied to further limit the risk of annoyance from construction noise.

Figure 2 presents a summary of the additional noise mitigation measures applicable for construction activities where, after application of all reasonable and feasible mitigation options, construction noise levels still exceed the NMLs.

Figure 2: Additional airborne noise mitigation measures

When is the work being undertaken?	How much does the predicted noise level exceed the ANML by?	Identify additional management measures to be implemented	Additional mitigation measure code
All Hours	75 dB(A) or greater	V, N, PC, RO	AM2
Standard Hours M-F 7am to 6pm Sat 8am to 6pm	0 dB(A)	-	-
	≤ 10 dB(A)	-	-
	10 to 20 dB(A)	V, N	AM1
	> 20 dB(A)	V, N	AM1
OOHW Period 1 M-F 6pm to 10pm Sat 6pm to 10pm Sun/ PH 8am to 10pm	< 5 dB(A)	-	-
	5 to 15 dB(A)	N, R1, DR	AM3
	15 to 25 dB(A)	V, N, R1, DR	AM4
	> 25 dB(A)	V, N, SN, IB, PC, R1, DR	AM5
OOHW Period 2* M-F 10pm to 7am Sat 10pm to 8am Sun/ PH 6pm to 8am	< 5 dB(A)	N	AM6
	5 to 15 dB(A)	V, N, R2, DR	AM7
	15 to 25 dB(A)	V, N, SN, IB, PC, R2, DR	AM8
	> 25 dB(A)	AA, V, N, SN, IB, PC, R2, DR	AM9

Notes: Use the abbreviation codes in the table above to confirm management measures required

* Where OOHV occur in the evening/night shoulder period (10pm to 12am) or the night/morning shoulder period (5am to 7am) apply additional airborne mitigation measures from the OOHV Period 2, excluding AA.

N = Notification (should be issued a minimum of five working days prior to the start of works)

SN = Specific notifications (issued no later than seven calendar days ahead of construction activities)

IB = Individual briefing

PC = Phone Call

AA = Alternative accommodation**

RO = Project specific respite offer

R1 = Respite period 1

V = Verification of predicted noise

DR = Duration respite

R2 = Respite period 2

** Where construction activity impacts receiver for more than two consecutive nights. AA is not applicable to shoulder periods.

4.3.3 Noise monitoring plan

Attended noise monitoring is to be undertaken to verify that noise levels resulting from works are in accordance with the levels predicted in this noise and vibration assessment report, subject to obtaining the property owner/occupier's consent to access the property (where required). Noise monitoring should be carried out on or near the property boundary at a location representative of the worst affected location (i.e. in publicly accessible areas on or near the nominated receivers, typically at ground level).

Table 5 identifies potential monitoring locations in each NCA, which are the three worst noise-affected receivers for each NCA from the works.

Note: Gatewave tries to find the most affected receivers in each NCA (up to 3 locations) purely based on the numerical results. These locations will be reviewed for suitability based on safety, accessibility, will provide valid data, etc. If not suitable, alternative suitable locations will be selected for verification monitoring.

If monitoring levels exceed predicted levels, continual improvement and corrective action measures will be implemented, (e.g. investigate cause, review work or activity, scheduling, etc).

Table 5: Nominated verification monitoring locations

Receiver			Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax
NCA	Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night

4.3.4 Vibration monitoring

It is noted that the generic MWDs in Table 4 are taken from a database of vibration levels measured at various sites or obtained from other sources (e.g. BS5228-2:2009). They are not specific to these works as final vibration levels are dependent on many factors including the actual plant used, its operation and the intervening geology between the activity and the receiver.

Site specific MWDs for vibration significant plant items must be measured on site where plant and equipment are likely to operate close to or within the generic MWDs for both cosmetic damage and human annoyance. These site specific MWDs will then be included in Gatewave.

If works are likely to be within the generic or site specific MWDs, attended vibration monitoring is to be undertaken to verify that vibration levels comply with the vibration objectives described in the NVMP.

Additional monitoring for human annoyance from vibration would be carried out proactively and in response to vibration complaints.

Vibration monitoring should follow the procedures outlined in the Construction Noise and Vibration Monitoring Program (Appendix B of the CNVMP).

Important disclaimer

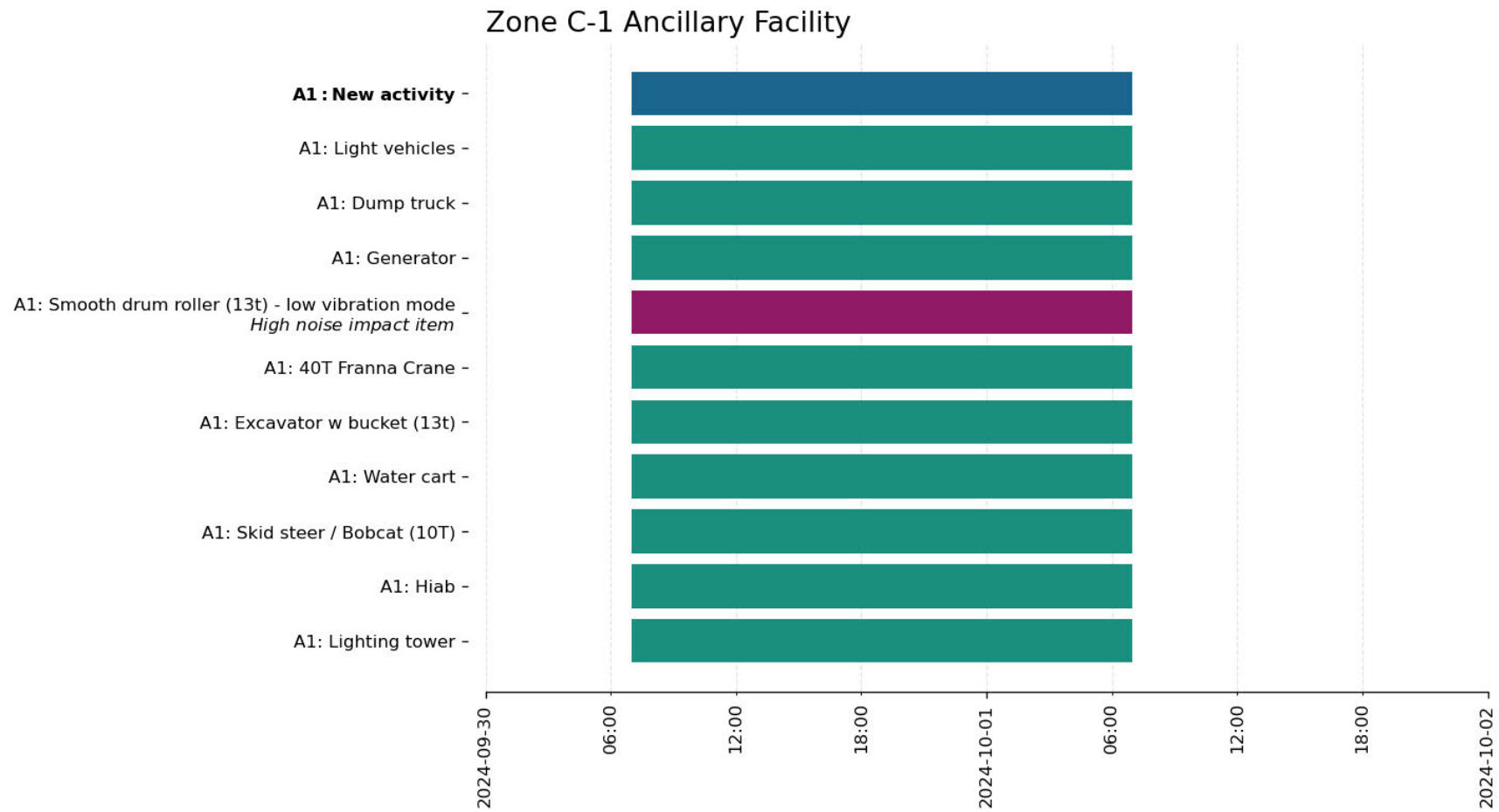
- * This document has been partly automatically generated by Gatewave™, software for prediction, assessment and management of noise and vibration, developed by Renzo Tonin and Associates.
- * This document is uncontrolled. Please contact Renzo Tonin and Associates if you suspect there are any errors in this report.
- * Results in this report are based on the assumptions described in Section 0 and inputs presented in Section 3. Noise and vibration monitoring data will be collected to ensure Gatewave is verified and adjusted, if required.
- * Renzo Tonin and Associates cannot be held liable for the misuse of the software Gatewave™, including any errors that may be contained within the software.

APPENDIX A Summary of works

A.1 Plant and equipment

Table 6: Plant and equipment schedule for work area: Zone C-1 Ancillary Facility

Equipment	Penalty, dB(A)	Quantity	Intensity	Reduction, dB	Sound power level, dB(A)		Start time	End time
					L _{eq,15min}	L _{max}		
New activity								
Light vehicles	-	5	10%	0	86	100	2024-09-30 07:00:00	2024-10-01 07:00:00
Dump truck	-	2	20%	0	102	111	2024-09-30 07:00:00	2024-10-01 07:00:00
Generator	-	2	100%	0	97	95	2024-09-30 07:00:00	2024-10-01 07:00:00
Smooth drum roller (13t) - low vibration mode	5	1	20%	0	107	113	2024-09-30 07:00:00	2024-10-01 07:00:00
40T Franna Crane	-	1	20%	0	93	106	2024-09-30 07:00:00	2024-10-01 07:00:00
Excavator w bucket (13t)	-	1	20%	0	96	108	2024-09-30 07:00:00	2024-10-01 07:00:00
Water cart	-	1	20%	0	97	107	2024-09-30 07:00:00	2024-10-01 07:00:00
Skid steer / Bobcat (10T)	-	1	20%	0	97	109	2024-09-30 07:00:00	2024-10-01 07:00:00
Hiab	-	1	20%	0	91	102	2024-09-30 07:00:00	2024-10-01 07:00:00
Lighting tower	-	2	100%	0	102	102	2024-09-30 07:00:00	2024-10-01 07:00:00



APPENDIX B **Detailed construction noise results**

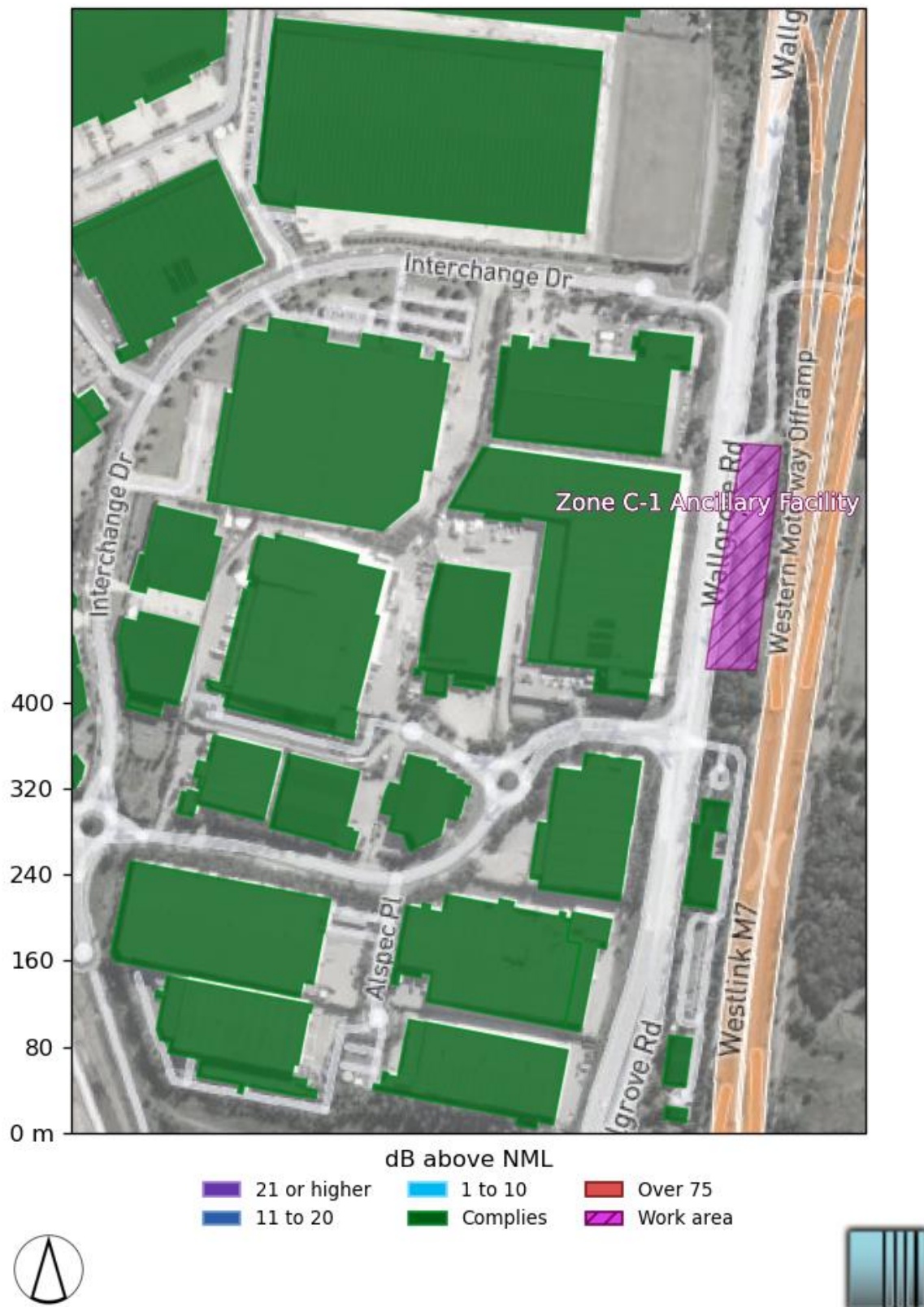
Table 7: Construction noise results

Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min				Predicted noise levels, dB(A) Lmax		Additional mitigation				
		Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day	Day (OOH)	Evening	Night	Night	Day	Day (OOH)	Evening	Night
		2 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	62	-	62	62	68	-	-	-	-
		10 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	59	-	59	59	65	-	-	-	-
		1 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	55	-	55	55	61	-	-	-	-
		101 WALLGROVE ROAD, EASTERN CREEK, NSW	Commercial	70	70	70	70	None	None	54	-	54	54	60	-	-	-	-
		6 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	49	-	49	49	55	-	-	-	-
		8 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	49	-	49	49	54	-	-	-	-
		5 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	47	-	47	47	53	-	-	-	-
		9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	47	-	47	47	53	-	-	-	-
		9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	46	-	46	46	52	-	-	-	-
		2 BEACH STREET, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	45	-	45	45	51	-	-	-	-
		3 ALSPEC PLACE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	43	-	43	43	49	-	-	-	-
		101 WALLGROVE ROAD, EASTERN CREEK, NSW	Commercial	70	70	70	70	None	None	43	-	43	43	49	-	-	-	-
		2 ALSPEC PLACE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	42	-	42	42	48	-	-	-	-
		5 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	42	-	42	42	48	-	-	-	-
		101 WALLGROVE ROAD, EASTERN CREEK, NSW	Commercial	70	70	70	70	None	None	42	-	42	42	48	-	-	-	-
		100, WALLGROVE ROAD, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	40	-	40	40	46	-	-	-	-
		100, WALLGROVE ROAD, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	39	-	39	39	45	-	-	-	-
		4 BEACH STREET, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	38	-	38	38	44	-	-	-	-
		100, WALLGROVE ROAD, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	37	-	37	37	43	-	-	-	-
		9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	37	-	37	37	43	-	-	-	-
		2 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	37	-	37	37	43	-	-	-	-
		60 WALLGROVE ROAD, MINCHINBURY, NSW	Industrial	75	75	75	75	None	None	37	-	37	37	43	-	-	-	-
		60 WALLGROVE ROAD, MINCHINBURY, NSW	Industrial	75	75	75	75	None	None	36	-	36	36	42	-	-	-	-
		9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	36	-	36	36	42	-	-	-	-
		1 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	36	-	36	36	42	-	-	-	-
		1 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	36	-	36	36	42	-	-	-	-
		8 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	35	-	35	35	41	-	-	-	-
		9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	33	-	33	33	39	-	-	-	-
		9, INTERCHANGE DRIVE, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	33	-	33	33	39	-	-	-	-
		2 CAPICURE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	33	-	33	33	39	-	-	-	-
		2 CAPICURE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	32	-	32	32	38	-	-	-	-
		1 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	30	-	30	30	36	-	-	-	-
		4 ALSPEC PLACE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	30	-	30	30	36	-	-	-	-
		50 OLD WALLGROVE ROAD, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	29	-	29	29	35	-	-	-	-
		2 CAPICURE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	28	-	28	28	34	-	-	-	-
		None	Non-receiver	999	999	999	999	None	None	27	-	27	27	33	-	-	-	-
		10 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	27	-	27	27	33	-	-	-	-
		15 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	26	-	26	26	32	-	-	-	-

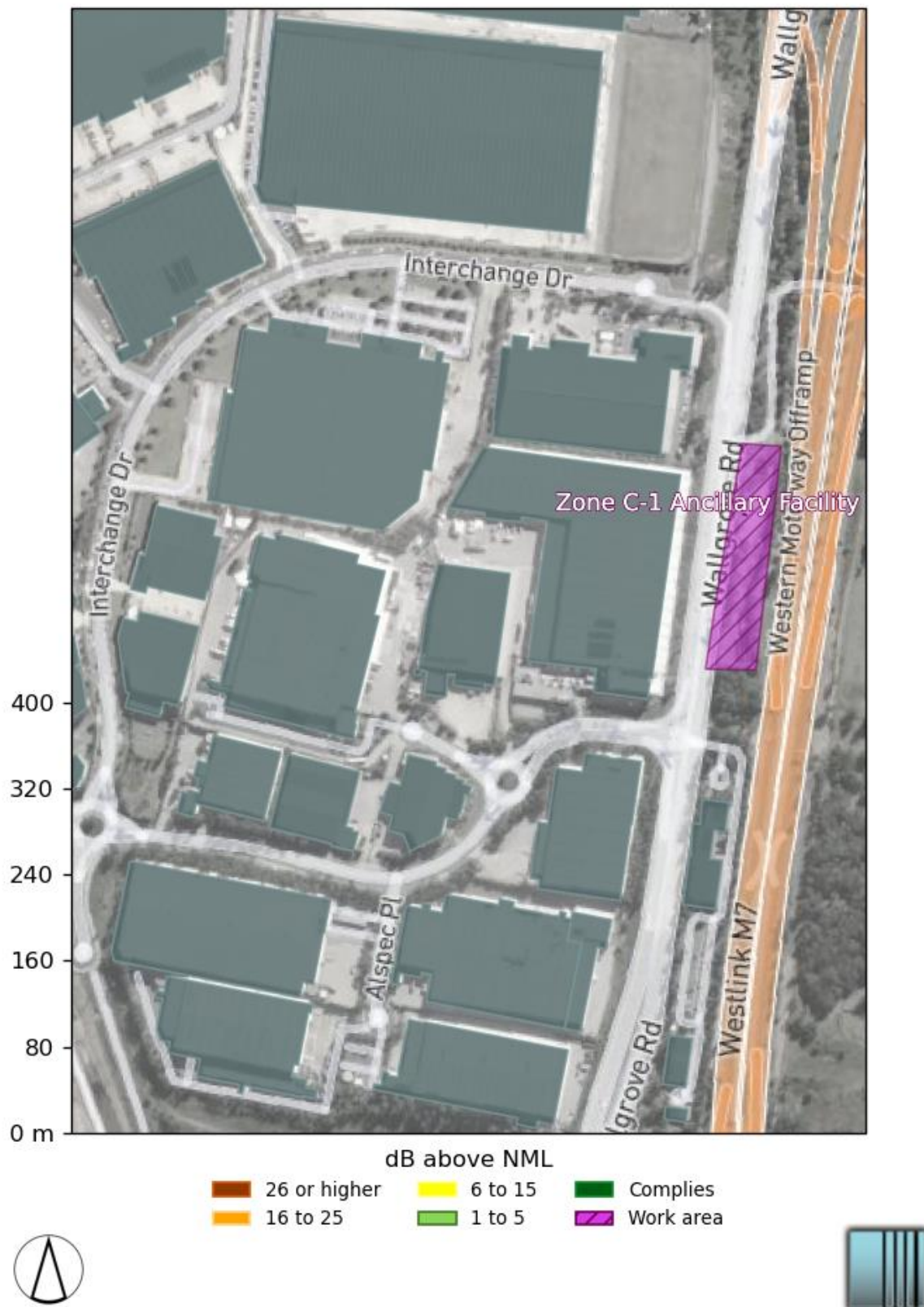
Receiver		Noise management levels (NMLs), dB(A)				Sleep disturbance goals, dB(A)		Predicted noise levels, dB(A) Leq,15min								Predicted noise levels, dB(A) Lmax	Additional mitigation		
Address	Land use	NML Day	NML Day (OOH)	NML Evening	NML Night	Lmax (screening)	Lmax (limit)	Day		Day (OOH)		Evening		Night	Night	Day	Day (OOH)	Evening	Night
1 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	26		-		26		26	32	-	-	-	-
2, BLUE METAL ROAD, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	26		-		26		26	32	-	-	-	-
2, BLUE METAL ROAD, EASTERN CREEK NSW 2766	Industrial	75	75	75	75	None	None	26		-		26		26	32	-	-	-	-
19 WONDERLAND DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	24		-		24		24	30	-	-	-	-
2 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Industrial	75	75	75	75	None	None	23		-		23		23	29	-	-	-	-
1 INTERCHANGE DRIVE, EASTERN CREEK, NSW	Commercial	70	70	70	70	None	None	23		-		23		23	29	-	-	-	-

APPENDIX C Noise level above nominated target

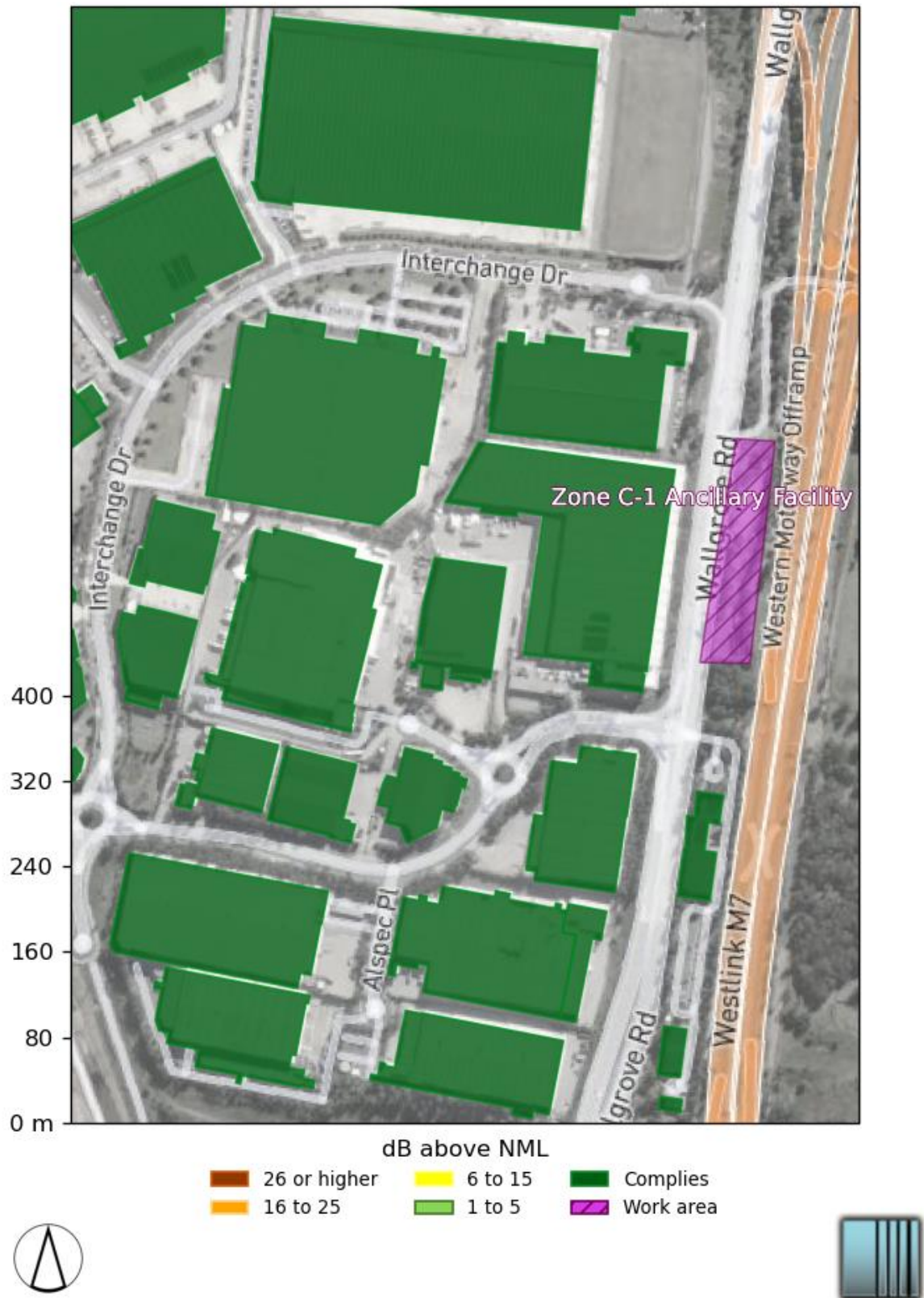
Noise level above NML Day (area 1 of 1)



Noise level above NML Day (OOH) (area 1 of 1)



Noise level above NML Evening (area 1 of 1)



Noise level above NML Night (area 1 of 1)



Appendix F – AHIMS Search Result Reports

Date: 27 September 2024

65 Pirrama Road
Pyrmont New South Wales 2009

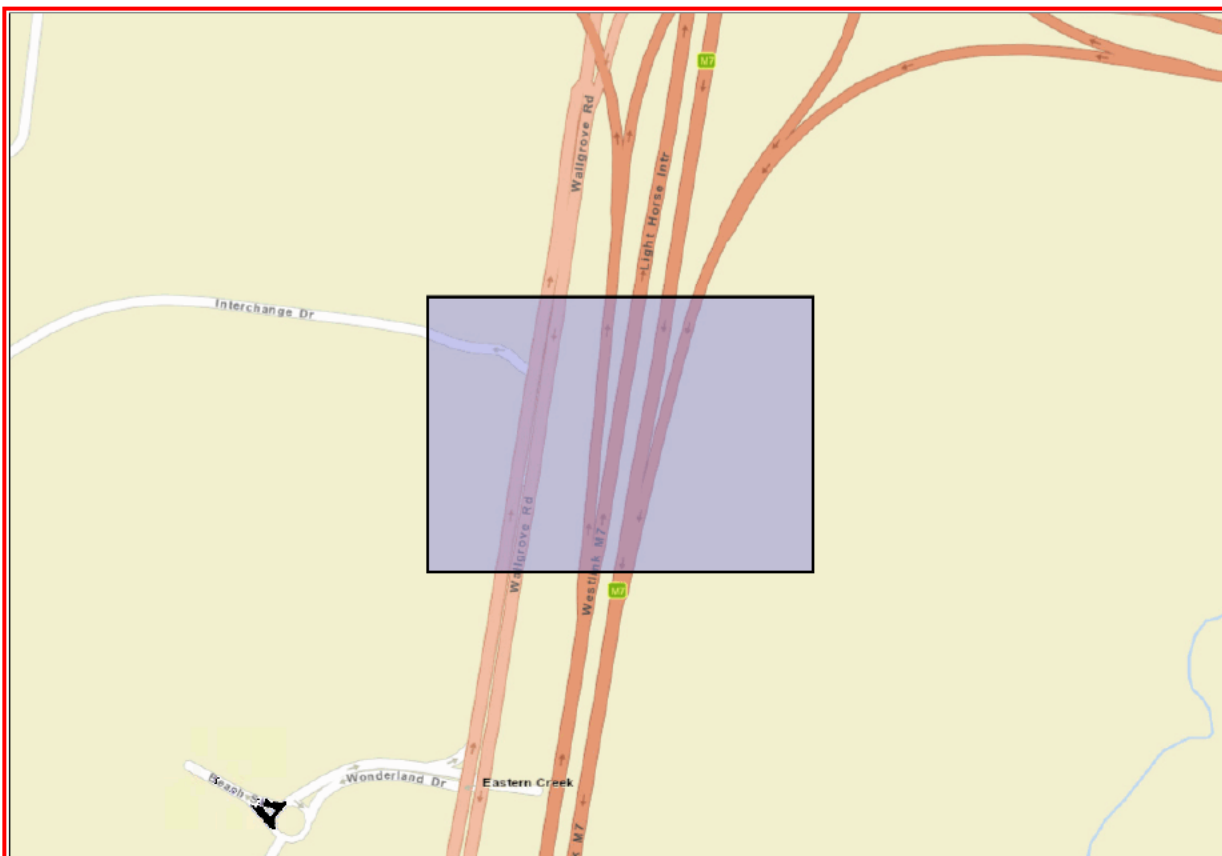
Attention:

Email: @jhg.com.au

Dear Sir or Madam:

AHIMS Web Service search for the following area at Lat, Long From : -33.8039, 150.8513 - Lat, Long To : -33.8016, 150.8551, conducted by Mark Turner on 27 September 2024.

The context area of your search is shown in the map below. Please note that the map does not accurately display the exact boundaries of the search as defined in the paragraph above. The map is to be used for general reference purposes only.



A search of Heritage NSW AHIMS Web Services (Aboriginal Heritage Information Management System) has shown that:

0 Aboriginal sites are recorded in or near the above location.

0 Aboriginal places have been declared in or near the above location. *

If your search shows Aboriginal sites or places what should you do?

- You must do an extensive search if AHIMS has shown that there are Aboriginal sites or places recorded in the search area.
- If you are checking AHIMS as a part of your due diligence, refer to the next steps of the Due Diligence Code of practice.
- You can get further information about Aboriginal places by looking at the gazettal notice that declared it. Aboriginal places gazetted after 2001 are available on the [NSW Government Gazette \(https://www.legislation.nsw.gov.au/gazette\)](https://www.legislation.nsw.gov.au/gazette) website. Gazettal notices published prior to 2001 can be obtained from Heritage NSW upon request

Important information about your AHIMS search

- The information derived from the AHIMS search is only to be used for the purpose for which it was requested. It is not to be made available to the public.
- AHIMS records information about Aboriginal sites that have been provided to Heritage NSW and Aboriginal places that have been declared by the Minister;
- Information recorded on AHIMS may vary in its accuracy and may not be up to date. Location details are recorded as grid references and it is important to note that there may be errors or omissions in these recordings,
- Some parts of New South Wales have not been investigated in detail and there may be fewer records of Aboriginal sites in those areas. These areas may contain Aboriginal sites which are not recorded on AHIMS.
- Aboriginal objects are protected under the National Parks and Wildlife Act 1974 even if they are not recorded as a site on AHIMS.
- This search can form part of your due diligence and remains valid for 12 months.