



# **M6 Stage 1**

At-Property Noise Mitigation Report

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<b>Date:</b>	September 2020
<b>Version:</b>	5
<b>Reference:</b>	TBA
<b>Division:</b>	Infrastructure and Place
<b>Review date:</b>	October 2020
<b>Approver:</b>	Jake Shackleton, A/Director Infrastructure Management, Department of Planning, Industry and Environment- As nominee of the Planning Secretary
<b>Approval date:</b>	November 2020

## Glossary/Abbreviations

Abbreviations	Expanded Text
AA	Acoustic Advisor
Approval, the	Conditions of Approval for Infrastructure Approval SSI 8931
ANMP	At-Property Noise Mitigation Program (this Program)
ANMR	At-Property Noise Mitigation Report (this document)
ANMW	At-Property Noise Mitigation Works (the Works)
DARNTG	Draft At-Receiver Noise Treatment Guideline
BCA	Building Code of Australia
CEMP	Construction Environmental Management Plan
CoA	Conditions of Approval
CSSI	Critical State Significant Infrastructure
D&C Contractor	Design and Construct Contractor
DP	Deposited Plan
DPiE - Planning	Department of Planning, Infrastructure and Environment - Planning
EIS, the	M6 Stage 1 Environmental Impact Statement
Habitable room	<p>In accordance with the Building Code of Australia this is defined as areas of the home where people spend most of their time. This may include:</p> <ul style="list-style-type: none"> <li>bedrooms, living room, lounge room, music room, television room, dining room, study, playroom, family room, home theatre, etc.</li> </ul> <p>This does not include spaces of a specialised nature occupied neither frequently nor for extended periods, such as:</p> <ul style="list-style-type: none"> <li>bathrooms, laundry, water closet, pantry, walk-in wardrobe, corridor, hallway, lobby, photographic darkroom, clothes drying room, etc.</li> </ul>
NAC	Noise Assessment Consultant
NAP	Noise Abatement Program
NML	Noise Management Level
Project, the	Design and Construction of the M6 Stage 1 Project
Roads and Maritime	Roads and Maritime Services
SSI	State Significant Infrastructure
TfNSW	Transport for NSW

# 1 Purpose

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This At-Property Noise Mitigation Report (ANMR) is a requirement of E78 of the Minister's Conditions of Approval (CoA) for Infrastructure Approval SSI-8931 (the Approval) for M6 Stage 1 (the Project). The purpose of this report is to describe the scope and process for how the Project proposes to conduct at-property noise mitigation at residential receivers during delivery of the Project in accordance with the relevant CoA E78, E79 and E80.

CoA E84 and E85 detail requirements around operational noise and vibration control measures. The operational noise at-property noise mitigation recommendations have been previously identified during the Environmental Impact Statement (EIS). Most of the receivers eligible for construction noise mitigation in the CoA are also identified as being eligible for operational traffic noise mitigation in the EIS (with the exception of 20 receivers along Bay Street, Rockdale, 8 receivers along West Botany Street, Rockdale and 2 Lachal Avenue, Kogarah which are eligible for construction noise mitigation only). Additional properties have been identified by TfNSW to receive at-property noise mitigation treatment due to close proximity to eligible receivers. These properties are listed in Table 2. As a result, these receivers would be eligible to receive at-property noise mitigation using operational noise mitigation options outlined within this report. This would satisfy the CoAs relating to construction noise and operational noise.

The provision of at-property noise mitigation aims to reduce construction fatigue and improve amenity for residential receivers identified in Appendix C of the Approval, excluding properties which have already been provided noise mitigation via the TfNSW (Roads and Maritime) Noise Abatement Program (NAP), through the installation of at-property noise mitigation treatment.

Pending property owner acceptance and access, at-property noise mitigation is to be implemented in accordance with CoA E78, which requires the at-property construction noise mitigation to be offered prior to out-of-hours works commencing and to be installed prior to the commencement of any out-of-hours works that may cause sleep disturbance.

Implementation of works outlined within this report will initially be the responsibility of Transport for New South Wales (TfNSW) until such time that a Design & Construct Contractor (D&C Contractor) has been appointed (Quarter 1, 2021). Where a property identified for at-property noise mitigation has not been inspected and had mitigation installed by Q1 2021 it will be delivered by the D&C Contractor. Therefore, where applicable, responsible parties will henceforth be referred to as TfNSW/D&C Contractor.

## 2 Environmental requirements

### 2.1 Minister's Conditions of Approval

The CoA relevant to this report are listed in Table 1 below. A cross reference is also included to indicate where the condition is addressed in this report or other Project management documents.

**Table 1 Minister's Conditions of Approval**

CoA no.	Conditions requirements	Document reference
E78	<p>At-receiver noise mitigation in the form of at-property treatment must be offered to the landowners of the residential properties (including long-term accommodation providers identified in Appendix C for habitable living spaces, unless other mitigation or management measures are agreed to by the landowner. Mitigation must be offered prior to out-of-hours works commencing.</p> <p>The at-property construction noise mitigation treatments must be installed prior to the commencement of any out-of-hours works that may cause sleep disturbance (as described in <i>NSW Road Noise Policy</i> (DECCW, 2011)), unless otherwise approved by the Planning Secretary.</p> <p>The Proponent must prepare a report which details the range of at-property noise mitigation treatments to be offered and the procedures and terms of implementing such treatments. The report must be endorsed by the Acoustic Advisor (AA) and submitted to the Planning Secretary for approval at least one month prior to making any offers to the landowners of the properties identified in Appendix C.</p> <p>This requirement does not apply if the sensitive receiver has been provided with noise mitigation under the TfNSW (Roads and Maritime) Noise Abatement Program or the <i>State Environment Planning Policy (Infrastructure) 2007</i> (clause 102(3)). The adequacy of at-property treatments will be reviewed where previous treatments have been installed as part of other SSI or CSSI projects.</p>	Section 3
E79	Landowners whose residential properties are eligible to receive at-property treatment under Condition E78 must be advised of the range of options that can be installed at or in their property and given a choice as to which of these they agree to have installed.	Section 3
E80	The offer for at-property treatment in accordance with Condition E78 does not expire until the out-of-hours work affecting that property are completed, even if the landowner initially refuses the offer.	Section 3.2
E84	<p>The Proponent must prepare an Operational Noise and Vibration Review (ONVR) to confirm noise and vibration control measures that would be implemented for operation. The ONVR must be prepared in consultation with relevant council(s), other relevant stakeholders and the community and must:</p> <ol style="list-style-type: none"> <li>a) Confirm the appropriate operational noise and vibration objectives and levels for surrounding development, including existing sensitive receivers;</li> <li>b) Confirm the operational noise predictions based on the final design. Confirmation must be based on an appropriately calibrated noise model (which has</li> </ol>	Section 3.2

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incorporated noise monitoring, and concurrent traffic counting, where necessary for calibration purposes). The assessment must specifically include verification of noise levels at all fixed facilities, based on noise monitoring undertaken at appropriately identified noise catchment areas surrounding the facilities;

- c) Confirm the operational noise and vibration impacts at adjoining development based on the final design of the CSSI, including operational daytime  $L_{Aeq,15 \text{ hour}}$  and night-time  $L_{Aeq,9 \text{ hour}}$  traffic noise contours;
- d) Review the suitability of the operational noise mitigation measures identified in the documents listed in Condition A1 and, where necessary, investigate and identify additional noise and vibration mitigation measures required to achieve the noise criteria outlined in the NSW Road Noise Policy (DECCW, 2011) and Noise Policy for Industry (EPA, 2017);
- e) Include a consultation strategy to seek feedback from directly affected landowners on the noise and vibration mitigation measures; and
- f) Procedures for the management of operational noise and vibration complaints.

The ONVR is to be reviewed and endorsed by the AA and submitted to the Planning Secretary for approval.

The Proponent must make the ONVR publicly available and implement the identified noise and vibration measures in the ONVR prior to commencing operation.

E85	<p>Operational noise mitigation measures as identified in Condition E84 that will not be physically affected by works, or which have not been implemented in accordance with Condition E78, must be implemented within six (6) months of the commencement of construction in the vicinity of the impacted receiver to minimise construction noise impacts, unless otherwise approved by the Planning Secretary.</p> <p>This condition does not apply to sensitive receivers on local streets adjoining President Avenue which may be used by operational traffic as an alternative to President Avenue/ Princes Highway and may not have been identified as eligible for noise mitigation under Condition E78.</p>	Section 3.2
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## 3 Scope of the At-Property Noise Mitigation Works

### 3.1 Properties eligible for noise mitigation

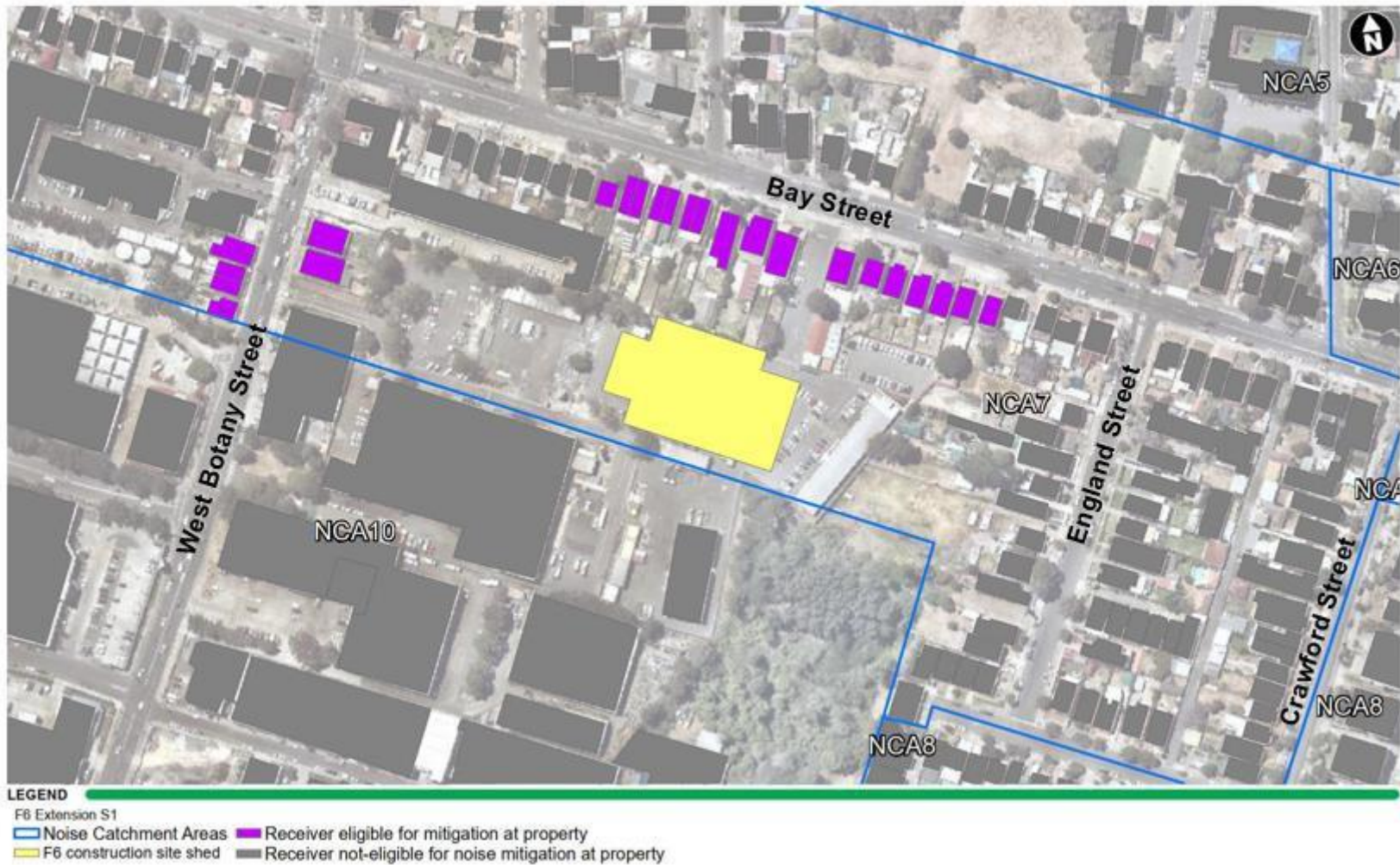
Residential properties that will be offered at-property noise mitigation of habitable living spaces for construction noise by TfNSW/D&C Contractor during the delivery of the Project are identified in Appendix C of the Approval, in accordance with CoA E78, or other mitigation or management measures as agreed to by the occupier and TfNSW/D&C Contractor (refer to Figure 1 and Figure 2).

The addresses of residential properties identified in Appendix C of the Approval are detailed in Table 2. There are 13 residential properties within those identified that have previously been provided with noise mitigation under the TfNSW (Roads and Maritime) NAP. These properties will be considered for treatment to meet the operational road traffic noise requirements. There are also additional residential properties identified by TfNSW for treatment which are in close proximity to the eligible properties identified in Appendix C of the CoA.

At-property noise mitigation is to be implemented in accordance with CoA E78, which requires the at-property construction noise mitigation to be offered prior to out-of-hours works commencing and to be installed prior to the commencement of any out-of-hours works that may cause sleep disturbance.

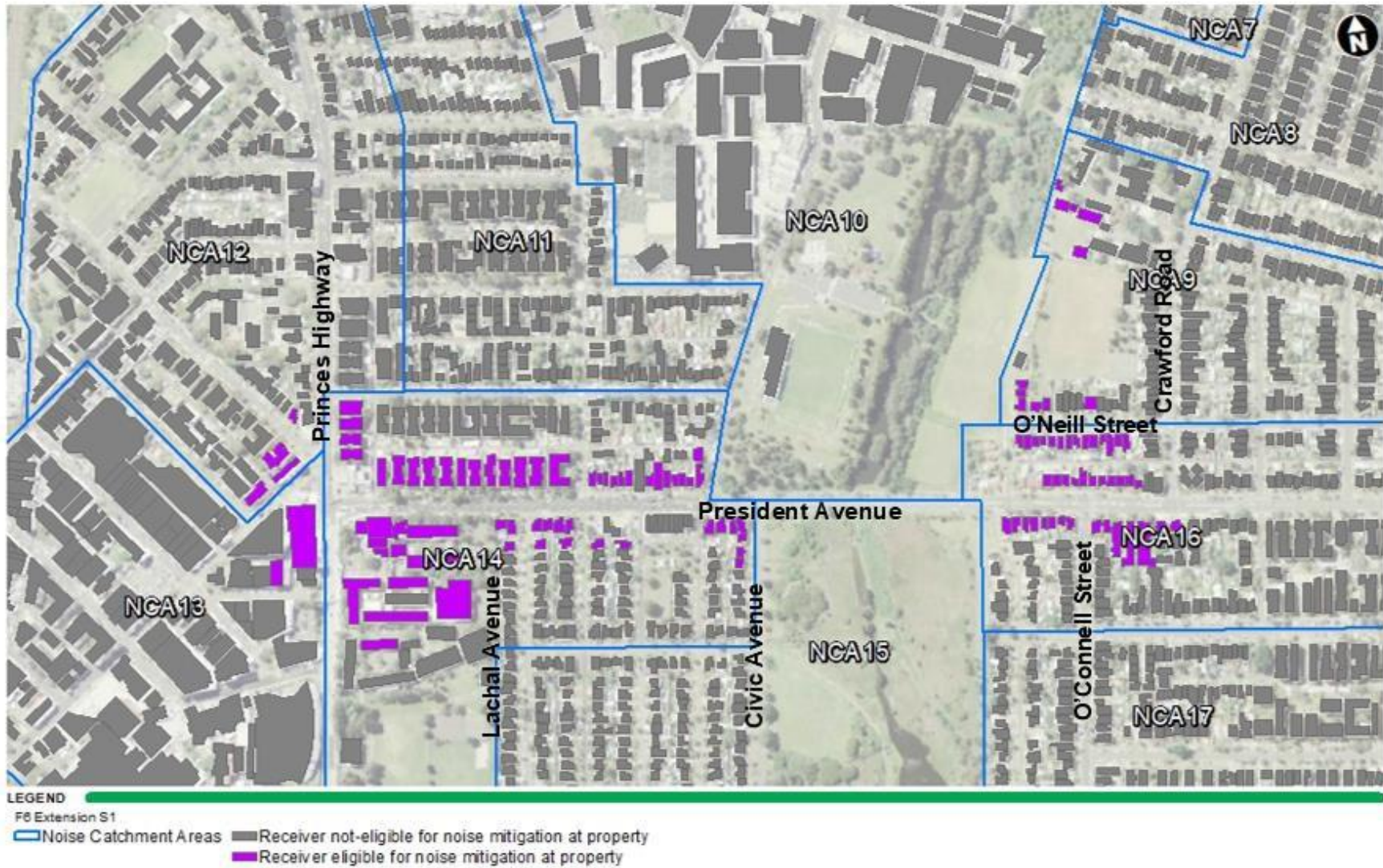
In accordance with CoA E78 the at-property construction noise mitigation will be offered prior to out-of-hours works commencing. If no response is received within the timeframes specified, it will be assumed that the property owner does not wish to accept the mitigation, and Project works will progress in accordance with the timeframes outlined in Section 7. In accordance with CoA E80, the offer will remain open until the out-of-hours works that may affect the receiver are completed, even if the landowner initially refuses the offer. The prioritisation of the implementation of the noise mitigation will apply from the date of acceptance.

Receivers are considered “affected” when out-of-hours construction noise levels greater than the ‘noise affected’ Noise Management level (NML) (as outlined in the *Interim Construction Noise Guideline* (DECC, 2009)) occur as a result of the Project’s out-of-hours construction activities.



**Figure 1** Out-of-hours construction mitigation, CoA





**Figure 2** Out-of-hours construction mitigation, CoA (updated to include additional properties identified by TfNSW)

**Table 2 Residential properties eligible to be offered noise mitigation for construction noise**

<b>Construction mitigation – Map 1 (refer Figure 1)</b>	
Bay Street, Brighton-Le-Sands	189, 193, 195, 197, 199, 201, 203, 205, 207, 209, 209A, 213, 215, 217, 219, 221, 223, 223A, 225, 225A
West Botany Street, Rockdale	373, 375, 377, 379, 381, 392, 394, 396
<b>Construction mitigation – Map 2 (refer Figure 2)</b>	
Civic Avenue, Kogarah	1, 1A, 3
Cross Street, Kogarah	7-9
Gladstone Street, Kogarah	38, 63-67, 69
Hogben Street, Kogarah	1-5
Lachal Avenue, Kogarah	1, 2
Oakdale Avenue, Kogarah	1
O'Neill Street, Brighton-Le-Sands	35 <sup>1</sup> , 40 <sup>1</sup> , 42 <sup>1</sup> , 44 <sup>1</sup> , 46 <sup>1</sup> , 47 <sup>1</sup> , 48, 49, 50, 51, 52, 54, 56A/B, 58, 60, 62, 64, 66
Premier Street, Kogarah	58
President Avenue, Kogarah/Brighton-Le-Sands	2, 4-6, 8-10, 12-14, 17, 18, 19, 20, 21, 22-24, 23, 25, 27, 30-32, 34-36, 38-40, 42, 48, 50, 52, 54, 56, 57, 58, 59, 61, 62, 63, 64, 66, 68, 70, 72, 74, 137 <sup>2</sup> , 139 <sup>2</sup> , 141 <sup>2</sup> , 143, 145, 146 <sup>2</sup> , 147 <sup>2</sup> , 148 <sup>2</sup> , 149 <sup>2</sup> , 150 <sup>2</sup> , 151, 152, 153, 154 <sup>2</sup> , 155, 156 <sup>2</sup> , 157-159, 158 <sup>2</sup> , 160, 161-163, 162 <sup>2</sup> , 164 <sup>2</sup> , 165-169, 166
Princes Highway, Kogarah	79-87, 722, 726-728, 730, 732
Traynor Avenue, Kogarah	1, 2
West Botany Street, Kogarah	467, 469

**Notes:**

1. Denotes a property which has been identified by TfNSW for treatment due to close proximity to the eligible properties identified in Appendix C of the CoA
2. Denotes a property which has been provided with noise mitigation under the TfNSW (Roads and Maritime) NAP

### 3.2 Implementation process

The following process will be implemented by TfNSW/D&C Contractor to advise property owners of their eligibility under the Program, offer at-property noise mitigation, assess the property, and agree to and install the at-property noise mitigation:

1. TfNSW/D&C Contractor will appoint a Mitigation Implementation Team to coordinate the installation of the mitigation. The team will consist of a Project Manager, support staff, community advisors, acoustic assessors and builders.
2. TfNSW/D&C Contractor will attempt to confirm property ownership information from registers, e.g. CoreLogic, and from contact with tenants where possible. However, where these mechanisms may not result in clear ownership information, TfNSW/D&C Contractor will continue to work in good faith.
3. TfNSW/D&C Contractor will send a property inspection Offer Letter to property owners, advising the properties in Appendix A of this report that they are eligible for the installation of at-property noise mitigation.
4. A visual property inspection would be carried out during daytime hours from Monday to Saturday at a time convenient to the property owner. The property

owner will need to arrange timely access to the property if it is tenanted. The inspection will confirm:

- The presence and condition of windows, doors and associated seals
  - The presence of existing fresh air ventilation
  - The location of rooms and living areas in relation to construction works. Where previous at-property noise mitigation has been installed, their adequacy to meet the criteria would be reviewed as part of this inspection.
5. TfNSW/D&C Contractor will send an Offer Letter to property owners. This Offer Letter will meet the requirements of CoA E78, where at-property noise mitigation must be offered prior to out-of-hours works. Detailed consultation and appointments with these properties will commence following this letter, with properties prioritised according to the staging of construction activities.
  6. The Mitigation Implementation Team will make contact with property owners/occupiers and strata managers (for unit blocks) eligible for mitigation. Refer to Section 5.3 for details of the engagement process and associated timeframes.
  7. Where the property owner accepts the offer of at-property noise mitigation during the engagement process outlined in Section 5.3, a member of the Mitigation Implementation Team will conduct a detailed inspection of the property.
  8. The inspection would be carried out during daytime hours from Monday to Saturday at a time convenient to the property owner. The property owner will need to arrange timely access to the property if it is tenanted.

The inspection will focus on the existing features of the property that are relevant to the implementation of at-property noise mitigation, such as:

- Measurements of windows, doors and associated seals
- Identification of a suitable location for the potential installation of mechanical ventilation.

The inspection would also assess the constructability and feasibility of installing the noise mitigation package, including any safety considerations (e.g. working at heights, contamination, etc).

9. The Mitigation Implementation Team will maintain an inspection register. The register will record:
  - Property information including street address, lot and Deposited Plan (DP)/Strata Plan (SP) numbers, Project area
  - Property owner details including name, and if available phone number and email
  - Details of tenant if property is leased
  - Preferred dates, times and methods of contact
  - If the owner has refused the offer of an inspection or the noise mitigation and any reasons given
  - Inspection date (proposed or completed)
  - Details of the property inspection findings, including:
    - Condition and description of existing windows/doors/seals including photographs
    - List of identified habitable rooms
    - Relevant parameters which may prevent implementation of the noise mitigation package
    - Details of the assessment report discussed with the property owner

- Date and program details for the noise mitigation to be carried out as applicable.
10. Where the Mitigation Implementation Team identifies that all or part of the at-property noise mitigation package cannot be installed at the property due to safety or constructability constraints (such as poor condition or unsuitable existing windows and doors or no suitable location for mechanical ventilation), TfNSW/D&C Contractor must investigate the provision of other mitigation options with the owner.
  11. Where property owners and/or strata managers accept the offer (as described in Section 3.3 below) of at-property noise mitigation within the timeframes identified in Section 5.3, and the property inspection confirms that noise mitigation can be implemented, TfNSW/D&C Contractor will implement the noise mitigation for all affected receivers within 6 months and prior to the commencement of any out-of-hours works that may cause sleep disturbance.
  12. Where property owners accept the offer of at-property noise mitigation outside of the timeframes identified in Section 5.3, and the property inspection confirms that mitigation can be implemented, TfNSW/D&C Contractor will arrange a suitable time with the owner to install the mitigation, however this may fall outside of the timeframes listed above.
  13. Should property owners not accept at-property noise mitigation, TfNSW/D&C Contractor will consult with the occupier of the property to determine whether other appropriate mitigation measures may be suitable in accordance with the Construction Noise and Vibration Management Plan.

### **3.3 At-property noise mitigation treatment**

At-property noise mitigation will be implemented where it is confirmed during the property inspection that there are 'habitable rooms', as defined by the *Building Code of Australia* (BCA) (see Glossary), along noise affected facades, depending on the building layout, and the orientation of each residence.

Acoustic mitigation will only be offered for rooms deemed habitable (such as bedrooms and living room spaces). Rooms that are not habitable (such as wardrobes, hallways, laundries, bathrooms and kitchens that do not adjoin an open plan living area) are not eligible for noise mitigation.

Following the property inspection, a scope of work report will be provided to the owner and/or strata manager (if applicable) outlining the inspection outcomes, and a plan of affected rooms and the mitigation measures available, including the location of at-property noise mitigation. This report will be an attachment to the offer deed.

Where properties are identified to be offered at-property noise mitigation in accordance with Table 2 above, then the noise mitigation outlined in TfNSW's At-Receiver Noise Treatment Guideline, summarised in Table 3 below, would be made available. The treatment package type offered would be dependent on the predicted operational noise levels identified in the EIS. Where properties were not identified for operational noise treatments in the EIS then they would be offered treatment package type 1. All properties identified within this report will be eligible for the mitigation package as listed in Appendix A. Only property owners are able to accept or decline an offer of at-property noise mitigation.

The installation of mechanical ventilation will only be offered to property owners as an at-property noise mitigation where the installation meets BCA standards.

Where at-property noise mitigation packages cannot be installed at the property, the Project will investigate the provision of other noise mitigation options or mitigation

measures in accordance with the Construction Noise and Vibration Management Plan.

As outlined in the TfNSW (Roads and Maritime) *Noise Mitigation Guideline*, financial compensation will not be offered in lieu of undertaking at-property noise mitigation.

**Table 3 Treatment package types – TfNSW’s At-Receiver Noise Treatment Guideline**

Construction	Treatment package type				
	1	2	3	4	5
Exceedance, dB(A)	1-5	6-8	9-11	12-14	>14
All	<ul style="list-style-type: none"> <li>Optional ceiling fans<sup>1</sup></li> <li>Mechanical ventilation (MV)<sup>2</sup></li> <li>New acoustic seals for windows</li> <li>Seal around window architraves /door jambs</li> <li>Seal all vents and openings</li> </ul>	<ul style="list-style-type: none"> <li>As per category 1 treatments</li> <li>External solid core door (40mm) with perimeter acoustic seals, drop seals and threshold seals</li> </ul>			
Brick veneer or double brick Window area less than or equal to 20% lower floor area		<p>For 6 dB(A) exceedance:</p> <ul style="list-style-type: none"> <li>6.38mm laminate and roof insulation (R4.0 215mm thick) or 6.5mm lam with acoustic interlayer</li> </ul> <p>For 7 dB(A) exceedance:</p> <ul style="list-style-type: none"> <li>8.5mm lam with acoustic interlayer or 10.38mm lam</li> </ul> <p>For 8 dB(A) exceedance</p> <ul style="list-style-type: none"> <li>8.5mm lam with acoustic interlayer or 10.5mm lam with acoustic interlayer or 10mm acrylic panel with nominally 100mm gap or &gt;4mm secondary window with 100mm gap or equivalent</li> </ul>	<ul style="list-style-type: none"> <li>Roof insulation (R4.0 215mm thick)</li> </ul> <p>For 9 dB(A) exceedance:</p> <ul style="list-style-type: none"> <li>8.5mm lam with acoustic interlayer or 10.5mm lam</li> </ul> <p>Otherwise:</p> <ul style="list-style-type: none"> <li>10.5mm lam with acoustic interlayer or 10mm acrylic panel with nominally 100mm gap or &gt;4mm secondary window with 100mm air gap or equivalent</li> </ul>	<ul style="list-style-type: none"> <li>&gt;4mm secondary window with 100mm gap, or equivalent</li> <li>Roof insulation (R4.0 215mm thick)</li> </ul>	<ul style="list-style-type: none"> <li>&gt;6mm secondary window with nominally 100mm gap, or equivalent</li> <li>Roof insulation (R4.0 215mm thick)</li> </ul>

<p>Brick veneer or double brick</p> <p>Sliding door area less than or equal to 50% wall area</p>	<ul style="list-style-type: none"> <li>6.38mm lam, or equivalent</li> </ul>	<ul style="list-style-type: none"> <li>6.5mm lam with acoustic interlayer, or equivalent</li> <li>Roof insulation (R4.0 215mm thick)</li> </ul> <p>Or:</p> <ul style="list-style-type: none"> <li>8.5mm lam with acoustic interlayer or equivalent</li> </ul>	<ul style="list-style-type: none"> <li>8.5mm lam with acoustic interlayer or &gt;4mm secondary window with nominally 100mm gap, or equivalent</li> <li>Roof insulation (R4.0 215mm thick)</li> </ul>	<ul style="list-style-type: none"> <li>&gt;6mm secondary window with nominally 100mm gap, or equivalent</li> <li>Roof insulation (R4.0 215mm thick)</li> </ul>	<ul style="list-style-type: none"> <li>&gt;6mm secondary window with nominally 100mm gap, or equivalent</li> <li>Roof insulation (R4.0 215mm thick)</li> </ul>
<p>Lightweight</p> <p>Window area less than or equal to 20% floor area</p>	<ul style="list-style-type: none"> <li>Seal subfloor</li> <li>Roof insulation (R4.0 215mm thick)</li> </ul>	<ul style="list-style-type: none"> <li>As per Category 1 treatments</li> </ul> <p>For 8 dB(A) exceedance:</p> <ul style="list-style-type: none"> <li>10mm acrylic panel with nominally 100mm gap, or equivalent</li> <li>Re-sheet wall lining (1x6mm fibre cement sheeting with nominal board weight of 11 kg/m<sup>2</sup> and 1x13mm plasterboard with nominal board weight of 10.5 kg/m<sup>2</sup> to finish, or equivalent)</li> <li>Wall insulation (R2.7 90mm thick)</li> </ul> <p>Otherwise:</p> <ul style="list-style-type: none"> <li>10mm acrylic panel with 100mm air gap, or equivalent</li> <li>Additional wall lining (1x13mm plasterboard with nominal board weight of 10.5 kg/m<sup>2</sup> to finish, or equivalent)</li> </ul>	<ul style="list-style-type: none"> <li>As per Category 1 treatments</li> <li>10mm acrylic panel with nominally 100mm gap, or equivalent</li> <li>Re-sheet wall lining (1x6mm fibre cement sheeting with nominal board weight of 11 kg/m<sup>2</sup> and 1x13mm plasterboard with nominal board weight of 10.5 kg/m<sup>2</sup> to finish, or equivalent)</li> <li>Wall insulation (R2.7 90mm thick)</li> <li>Resilient mount to isolate wall lining and stud</li> </ul>	<ul style="list-style-type: none"> <li>As per Category 1 treatments</li> <li>&gt;4mm secondary window with nominally 100mm gap, or equivalent</li> <li>Re-sheet wall lining (1x6mm fibre cement sheeting with nominal board weight of 11 kg/m<sup>2</sup> and 1x13mm plasterboard with nominal board weight of 10.5 kg/m<sup>2</sup> to finish, or equivalent)</li> <li>Wall insulation (R2.7 90mm thick)</li> <li>Resilient mount to isolate wall lining and stud</li> </ul>	<ul style="list-style-type: none"> <li>As per category 1 treatments</li> <li>&gt;6mm secondary window with nominally 100mm gap, or equivalent</li> <li>Re-sheet wall lining (1x6mm fibre cement sheeting with nominal board weight of 11 kg/m<sup>2</sup> and 1x13mm plasterboard with nominal board weight of 10.5 kg/m<sup>2</sup> to finish, or equivalent)</li> <li>Wall insulation (R2.7 90mm thick)</li> <li>Resilient mount to isolate wall lining and stud</li> </ul>

Notes:

1. Ceiling fans should have Direct Current (DC) electric motors to minimise noise.
2. Mechanical ventilation (MV) should be installed so that fresh air is ducted from an unaffected building façade. Mechanical fan noise should meet the recommended noise levels in AS2107.

### **3.4 Treatment package types for eligible properties**

The specific treatment package types in Table 3 to be offered to eligible properties listed in Table 2 are presented in Appendix A.



## 4 At-Property Noise Mitigation Works monitoring

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TfNSW/D&C Contractor will monitor and report on the implementation of the Works, with updates provided to the Acoustics Advisor (AA) on a monthly basis.

The update to the AA will include the following information relevant to the implementation of the at-property noise mitigation:

Progress of offers:

- Numbers responded to and accepted
- Numbers declined and no response.

Progress of inspections and reports:

- Number of inspections carried out and number of residences where access has been denied despite a confirmed booking
- Property reports completed including agreed and not agreed
- A summary of differences between what noise mitigation was offered and what has been accepted by the property owner.

Progress of installation:

- Installation of noise mitigation completed, commences and to be completed
- Safety aspects and other challenges faced which may put the preferred delivery timeframe at risk.

Where TfNSW/D&C Contractor has received a complaint from property owners who have received at-property noise mitigation in accordance with this report and are unable to resolve the complaint in accordance with the Project Communication Strategy (including the mediation process involving the Environmental Representative who will consult with the AA as necessary), the AA and a relevant member of the Mitigation Implementation Team (e.g. Project or Site Engineer) will investigate the complaint. The investigation will review the implementation of the at-property noise mitigation and identify opportunities for improvement within the scope of the Works. Where the investigation finds that the at-property noise mitigation products are faulty or the installation is not satisfactory, rectification works will be carried out.

## 5 Communication strategy

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### 5.1 Communication aims

The communication and engagement objectives for the Program are to:

- Develop identified stakeholders understanding of the Program and its objectives
- Provide information that is engaging and easy to understand in an effective and timely manner
- Provide regular and targeted information to the residents and stakeholders on the progress of the Program, including the likely impacts and benefits
- Raise awareness of the Program and to provide details about the offer of at-property noise mitigation treatment to property owners
- Determine what at-property noise mitigation treatment (if any) has been previously offered and provided by other projects
- Explain process including terms and conditions, obligations and limitations and inspection procedures
- Support the delivery of the Program within required timeframes and budget
- Ensure residents and stakeholders feedback is understood by the Project Team
- Ensure issues are identified early and managed effectively
- Provide stakeholders with a central point of contact with the Project Team
- Manage stakeholder feedback and complaints in a timely, respectful way
- Use community and stakeholder input in achieving the best design outcome
- Build stakeholder and community confidence in Transport for NSW and its decisions.

### 5.2 Key messages

The key messages of the Program are:

- We are committed to reducing construction noise impacts
- All eligible properties (refer to Appendix A) will be offered at-property noise mitigation
- At-property noise mitigation treatment is being offered to minimise the impact of construction noise impacts, and to improve the amenity of identified residential receivers, during out-of-hours activities
- Property inspections are free, and are carried out by a suitably qualified person who is experienced in the installation of at-property noise mitigation treatments
- At-property noise mitigation treatments will be implemented at no cost to the owner and will be installed as soon as practicable at the identified residential properties
- We will ensure consistency with the community engagement process
- We will work with you to deliver the at-receiver noise mitigation treatment with as little disruption as possible.

### 5.3 Engagement process

The process that will be followed by the Mitigation Implementation Team is presented in Appendix B.

## 5.4 Communication and engagement collateral timeframes

A range of communication materials will be used to support stakeholder engagement throughout the implementation of the Program. Stakeholders will be given information packs comprising materials developed by the Program.

All communication materials will be available in printed and electronic formats (translations provided where required). The series of communication and engagement tools to be used are outlined in Table 4 and Table 5.

All engagement will be documented in accordance with the Communication and Stakeholder Engagement Strategy.

**Table 4 Non-strata engagement process**

Engagement	Activity	Timeframe
Inspection offer letter for eligible properties	<ul style="list-style-type: none"> <li>• Introduce the M6 Stage 1 project and the Program</li> <li>• Advise property owners of their eligibility for treatment under the Program and will meet the requirements of CoA 78 where at property noise mitigation treatment must be offered to owners prior to out-of-hours works commencing</li> <li>• Advise we wish to carry out visual inspections to further inform potential noise treatment</li> <li>• Provide contact details for the project team so we can organise a time and date</li> <li>• Advise a translator may be present during inspection, if required</li> <li>• Letter includes offer acceptance and property consent form as well as reply paid envelope.</li> </ul>	Prior to out-of-hours works commencing
First follow up inspection letter	<ul style="list-style-type: none"> <li>• Re-introduce the Program</li> <li>• Door knock</li> <li>• Reference original inspection request letter</li> <li>• Advise we wish to carry out visual inspections to further inform potential noise treatment</li> <li>• Provide contact details for the project team so we can organise a time and date</li> <li>• Advise a translator may be present during inspection, if required</li> <li>• Letter includes offer acceptance and property consent form as well as reply paid envelope.</li> </ul>	Two weeks after initial letter
Second and final follow up inspection letter	<ul style="list-style-type: none"> <li>• Re-introduce the Program</li> <li>• Reference original inspection request letter</li> <li>• Advise we wish to carry out visual inspections to further inform potential at property noise mitigation treatment</li> <li>• Provide contact details for the project team so we can organise a time and date</li> <li>• Advise a translator may be present during inspection, if required</li> </ul>	Two weeks after first follow up

Engagement	Activity	Timeframe
	<ul style="list-style-type: none"> <li>• Letter includes offer acceptance and property consent form as well as reply paid envelope</li> <li>• Include advice stating that if the letter is not responded to, the offer will remain open for the duration of out-of-hours works.</li> </ul>	
Inspection: email/phone call	<ul style="list-style-type: none"> <li>• Advise time and date of inspection</li> <li>• Confirm names and role of people present during inspection (including translators)</li> <li>• Confirm any additional details (access required, pets on premises, etc.)</li> <li>• Include a property consent form to be signed and returned prior to inspection (if not already provided).</li> </ul>	One business day after inspection booked
Treatment offer package including letter offer	<ul style="list-style-type: none"> <li>• Re-introduce the M6 Stage 1 and the Program</li> <li>• Acknowledge properties eligibility for noise mitigation treatment under the Program and will meet the requirements of CoA 78 where at property noise mitigation treatment must be offered to owners prior to out-of-hours works commencing</li> <li>• Acknowledge property inspection completed</li> <li>• Address of property identified to be treated</li> <li>• Advise property treatment will be offered (contained in SoW Report), including: <ul style="list-style-type: none"> <li>○ type of treatment</li> <li>○ facades identified for treatment</li> <li>○ project contact details</li> <li>○ translation details.</li> </ul> </li> </ul>	Within two weeks of inspection
First reminder treatment offer package	<ul style="list-style-type: none"> <li>• Reference original letter of offer</li> <li>• Advise we wish to complete at property noise mitigation treatment for construction noise prior to out-of-hours works commencing</li> <li>• Acknowledge property inspection completed</li> <li>• Address of property identified to be treated</li> <li>• Advise property treatment will be offered (contained in SoW Report), including: <ul style="list-style-type: none"> <li>• type of treatment</li> <li>• facades identified for treatment</li> <li>• Project contact details</li> <li>• Translation details.</li> </ul> </li> </ul>	Two weeks after initial offer letter
Final reminder of treatment offer package	<ul style="list-style-type: none"> <li>• Reference original letter of offer</li> <li>• Advise we wish to complete at property noise mitigation treatment for construction noise prior to out-of-hours works commencing</li> <li>• Acknowledge property inspection completed</li> <li>• Address of property identified to be treated</li> <li>• Advise property treatment will be offered (contained in SoW Report), including: <ul style="list-style-type: none"> <li>• type of treatment</li> <li>• facades identified for treatment</li> <li>• Project contact details</li> </ul> </li> </ul>	Two weeks after initial offer letter

Engagement	Activity	Timeframe
	<ul style="list-style-type: none"> <li>• Translation details.</li> <li>• Advise this will be the last letter, if no response received within five business days, it will be assumed owner has declined however, the offer will remain open for the duration of out-of-hours works that affect the receiver.</li> </ul>	
Measure Inspection Email/phone call	<ul style="list-style-type: none"> <li>• Advise measurement inspection includes measuring walls, doors, and/or windows for sizing of treatment package offer and will be carried out by our builder after acceptance of the treatment has been accepted. This inspection is undertaken to create efficiency when the treatment installation is undertaken by confirming dimensions and quantities as well as installation.</li> <li>• Advise time and date of inspection</li> <li>• Confirm names and role of people present during inspection (including translators)</li> <li>• Confirm any additional details (access required, pets on premises, etc.)</li> </ul>	Within two weeks of accepting treatment offer package
Measure Inspection	<ul style="list-style-type: none"> <li>• Measurement inspection includes measuring walls, doors, and/or windows for sizing of treatment package offer and will be carried out by our builder after acceptance of the treatment has been advised. This inspection is undertaken to create efficiency when the treatment installation is undertaken by confirming dimensions and quantities.</li> </ul>	Within two weeks of accepting treatment offer package
Letter of Offer and pre-deed	<ul style="list-style-type: none"> <li>• A legal document requiring signatures from the property owner, TFNSW and the builder.</li> </ul>	After check measure completed
Letter acknowledging treatment offer has been declined	<ul style="list-style-type: none"> <li>• Reference letter of offer</li> <li>• Reference to decline of the offer</li> <li>• Re-engagement steps for change of mind.</li> </ul>	Within seven business days of decline
Letter acknowledging treatment offer has been rejected	<ul style="list-style-type: none"> <li>• Reference letter of offer</li> <li>• Reference to rejection of the offer</li> <li>• Outline escalation steps to review SoW and property owners reason for rejecting offer</li> <li>• Re-engagement steps for change of mind.</li> </ul>	Within seven business days of rejection
Treatment and installation email/ phone call	<ul style="list-style-type: none"> <li>• Builder to call the owner to advise delivery of materials</li> <li>• Scheduled installation of at-property treatments at a time agreed between the Project and property owner.</li> </ul>	Once delivery time for materials obtained and as agreed with the project team and property owner
Completion letter (signed work deed)	<ul style="list-style-type: none"> <li>• Acknowledgement by property owner and the Project all work has been completed to a satisfactory standard.</li> </ul>	Once work completed

Where owners do not respond within the above timeframes, where the offer is initially declined or only partially accepted, the offer will remain open for the duration of out-of-hours works that may affect the property. In these instances, properties will have treatment installation prioritised within three months of the acceptance of the

treatment package. All properties that accept the offer outside of the timeframes will have their treatment installation within six months of acceptance of the offer.

**Table 5 Owners Corporation engagement process**

Engagement	Activity	Timeframe
Inspection offer letter for eligible properties	<ul style="list-style-type: none"> <li>• Introduce the M6 Stage 1 project and the Program</li> <li>• Advise property owners of their eligibility for treatment under the Program and will meet the requirements of CoA 78 where at property noise mitigation treatment must be offered to owners prior to out-of-hours works commencing</li> <li>• Advise we wish to carry out visual inspections to further inform potential noise treatment</li> <li>• Provide contact details for the project team so we can organise a time and date</li> <li>• Advise a translator may be present during inspection, if required</li> <li>• Letter includes offer acceptance and property consent form as well as reply paid envelope.</li> </ul>	Prior to out-of-hours works commencing
Offer letter for units	<ul style="list-style-type: none"> <li>• Introduce the M6 Stage 1 project and the Program</li> <li>• Advise property owners of their eligibility for treatment under the Program and will meet the requirements of CoA 78 where at property noise mitigation treatment must be offered to owners prior to out-of-hours works commencing</li> <li>• Advise we have also sent a letter to Owners Corporation requesting confirmation on allowable treatment options</li> <li>• Advise we wish to carry out visual inspections to further inform potential at property noise mitigation treatment</li> <li>• Provide contact details for the project team so we can organise a time and date</li> <li>• Advise a translator may be present during inspection, if required</li> <li>• Letter includes offer acceptance and property consent form as well as reply paid envelope.</li> </ul>	Prior to out-of-hours works commencing and at the same time as Owners Corporation letter
First follow up inspection letter	<ul style="list-style-type: none"> <li>• Re-introduce the Program</li> <li>• Door knock</li> <li>• Reference original inspection request letter</li> <li>• Advise we wish to carry out visual inspections to further inform potential at property noise mitigation treatment</li> <li>• Provide contact details for the project team so we can organise a time and date</li> <li>• Advise a translator may be present during inspection, if required</li> <li>• Letter includes offer acceptance and property consent form as well as reply paid envelope.</li> </ul>	Two weeks after initial letter
Second and final follow up inspection letter	<ul style="list-style-type: none"> <li>• Re-introduce the Program</li> <li>• Reference original inspection request letter</li> </ul>	Two weeks after first follow up

	<ul style="list-style-type: none"> <li>• Advise we wish to carry out visual inspections to further inform potential noise treatment</li> <li>• Provide contact details for the project team so we can organise a time and date</li> <li>• Advise a translator may be present during inspection, if required</li> <li>• Letter includes offer acceptance and property consent form as well as reply paid envelope</li> <li>• Include advice stating that if the letter is not responded to, the offer will remain open for the duration of out-of-hours works.</li> </ul>	
Owners Corporation Letter	<ul style="list-style-type: none"> <li>• Introduce the M6 Stage 1 project and Program</li> <li>• Acknowledge units within the complex are eligibility for at property noise treatment under the Program and will meet the requirements of CoA 78 where at property mitigation treatment must be offered to owners prior to out-of-hours works commencing</li> <li>• Advise we wish to carry out visual inspections to identify suitable noise treatments on units within the complex</li> <li>• Request owners corporation consent on allowable treatment options</li> <li>• Letter includes offer acceptance and property consent form as well as reply paid envelope.</li> </ul>	Prior to out-of-hours works commencing and at the same time as offer letter for units
Second Owners Corporation Letter	<ul style="list-style-type: none"> <li>• Re-introduce the M6 Stage 1 project, The Project and acknowledge original letter</li> <li>• Acknowledge units within the complex have been their eligibility for treatment under the Program and will meet the requirements of CoA 78 where at property treatment must be offered to owners prior to out-of-hours works commencing</li> <li>• Advise we wish to carry out visual inspections to identify suitable noise treatments on units within the complex</li> <li>• Request owners corporation consent on allowable treatment options</li> <li>• Letter includes offer acceptance and property consent form as well as reply paid envelope.</li> </ul>	Two weeks after initial letter
Third Owners Corporation Letter	<ul style="list-style-type: none"> <li>• Re-introduce the M6 Stage 1 project, the Program and acknowledge original and follow up letter</li> <li>• Acknowledge units within the complex have been identified as eligible for treatment under the Program and will meet the requirements of CoA 78 where at property treatment must be offered to owners prior to out-of-hours works commencing</li> <li>• Advise we wish to carry out visual inspections to identify suitable noise treatments on units within the complex</li> </ul>	Two weeks after first follow up

Engagement	Activity	Timeframe
	<ul style="list-style-type: none"> <li>Request owners corporation consent on allowable treatment options</li> <li>Letter includes offer acceptance and property consent form as well as reply paid envelope.</li> </ul>	
Inspection: email/phone call	<ul style="list-style-type: none"> <li>Advise time and date of inspection</li> <li>Confirm names and role of people present during inspection (including translators)</li> <li>Confirm any additional details (access required, pets on premises, etc.)</li> <li>Include a property consent form to be signed and returned prior to inspection (if not already provided)</li> <li>Request details of Owner Corporation contact (if not already provided).</li> </ul>	One business day after inspection booked
Treatment offer package including letter offer	<ul style="list-style-type: none"> <li>Re-introduce the M6 Stage 1 and the Program</li> <li>Acknowledge properties eligibility for treatment under the Program and will meet the requirements of CoA 78 where at property treatment must be offered to owners prior to out-of-hours works commencing</li> <li>Acknowledge property inspection completed</li> <li>Address of property identified to be treated</li> <li>Advise property treatment will be offered (contained in SoW Report), including: <ul style="list-style-type: none"> <li>type of treatment</li> <li>facades identified for treatment</li> <li>Project contact details</li> <li>translation details.</li> </ul> </li> </ul>	Within two weeks of inspection
Measure Inspection	<ul style="list-style-type: none"> <li>Advise measurement inspection includes measuring walls, doors, and/or windows for sizing of treatment package offer and will be carried out by our builder after acceptance of the treatment has been accepted. This inspection is undertaken to create efficiency when the treatment installation is undertaken by confirming dimensions and quantities.</li> </ul>	Within two weeks of accepting treatment offer package
Reminder of offer to treat	<ul style="list-style-type: none"> <li>Reference original letter of offer</li> <li>Advise we wish to complete at property noise treatment for construction noise prior to out- of- works commencing.</li> </ul>	Two weeks after initial offer letter
Final reminder of offer to treat	<ul style="list-style-type: none"> <li>Reference original letter of offer</li> <li>Advise this will be the last letter, if no response received within five business days, it will be assumed owner has decline however, the offer will remain open for the duration of out-of-hours works that affect the receiver.</li> </ul>	Two weeks after initial offer letter
Letter of Offer and Deed	<ul style="list-style-type: none"> <li>A legal document requiring signatures from the property owner, TFNSW and the builder.</li> </ul>	After check measure completed
Letter acknowledging treatment offer has been rejected	<ul style="list-style-type: none"> <li>Reference letter of offer</li> <li>Reference to your decline of the offer</li> </ul>	Within seven business days of decline



Engagement	Activity	Timeframe
	<ul style="list-style-type: none"> <li>Outline escalation steps to review SoW and property owners reason for rejecting offer.</li> </ul>	
Measurement Inspection	<ul style="list-style-type: none"> <li>Advise measurement inspection includes measuring walls, doors, and/or windows for sizing of treatment package offer and will be carried out by our builder after acceptance of the treatment has been accepted. This inspection is undertaken to create efficiency when the treatment installation is undertaken by confirming dimensions and quantities as well as installation</li> <li>Advise time and date of inspection</li> <li>Confirm names and role of people present during inspection (including translators)</li> <li>Confirm any additional details (access required, pets on premises, etc.)</li> </ul>	Within two weeks
Email/phone call	<ul style="list-style-type: none"> <li>Builder to call the owner to arrange delivery of materials and confirm installation dates.</li> </ul>	Once delivery time for materials obtained
Treatment Installation: email and phone call	<ul style="list-style-type: none"> <li>Scheduled installation of at-property treatments at a time agreed between The Project and property owner.</li> </ul>	As agreed with The Project and property owner
Completion letter (signed work deed)	<ul style="list-style-type: none"> <li>Acknowledgement by property owner and The Project all work has been completed to a satisfactory standard.</li> </ul>	Once work completed

This is noting that where Owners Corporation do not respond within the above timeframes, where the offer is initially declined or only partially accepted, the offer will remain open for the duration of out-of-hours works that may affect the complex. In these instances, a property will have the treatment installation prioritised within three months of the acceptance of the treatment package by the Owners Corporation, where applicable, and property owner . All properties that accept the offer and scope of work outside of the timeframes will have their treatment installation within six months of acceptance of the offer and signing of the pre-deed.

Noting the practicalities of engaging with Owners Corporation and associated complex processes, the Project will make all reasonable efforts to implement treatment at properties with Owners Corporations, however this is subject to the limitations outlined in Section 7.

#### 5.4.1 Outstanding Offers

The Project will continue to attempt to contact property owners, Owners Corporations or managing agents who have not responded to offers of treatments whilst out-of-hours works occurs on the M6 Stage 1. The Mitigation Implementation Team will maintain a register of eligible receivers and will work closely with the Communications and Stakeholder Engagement Team to ensure that information regarding eligibility would be reiterated to the owner, where appropriate.

## 6 Responsibilities for the At-Property Noise Mitigation Works

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TfNSW/D&C Contractor is responsible for the project management and installation of the at-property noise mitigation. The Mitigation Implementation Team's community advisors will coordinate access and liaise with property owners and occupiers. The Noise Assessment Consultant (NAC), who is experienced in the installation of at-property noise mitigation and the builder will be involved in the coordination or the installation of the at-property noise mitigation. The NAC would inspect, assess and assist with scoping and the builder would complete the installation. The NAC and the builder are required to have appropriate experience in their respective tasks.

TfNSW/D&C Contractor is responsible for ensuring at-property noise mitigation has been installed in accordance with the BCA and have been completed to an acceptable standard via close-out inspection, undertaken by a relevant member(s) of the Mitigation Implementation Team (e.g. Project or Site Engineer).

## 7 At-Property Noise Mitigation Works limitations

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CoA E78 requires the implementation of noise mitigation as detailed in Section 3.3 for eligible receivers prior to the commencement of any out-of-hours work that may cause sleep disturbance for that receiver.

TfNSW/D&C Contractor is committed to implementing the noise mitigation within these timeframes, as per the steps detailed in Section 5.3.

TfNSW/D&C Contractor will document and track the progress of all installations and will record any delays in the process caused by eligible property owners or the relevant stakeholders.

Regardless, TfNSW/D&C Contractor will ensure that it or its installation sub-contractor progresses the noise mitigation process detailed in Section 5.3 in accordance with the timeframes specified in Condition E78. The AA will also provide progress updates to DPIE Planning upon request.

Implementation of the Works is dependent on the following limitations:

- Safety of the Project personnel is paramount, as such where at-property noise mitigation cannot be installed in a safe manner, the offer will be reviewed by TfNSW/D&C Contractor
- TfNSW/D&C Contractor is not responsible for electricity costs required to run ventilation systems
- In accordance with CoA E78 where receivers already have at-property noise mitigation installed under NAP or the *State Environmental Planning Policy (Infrastructure)* they may not be eligible for additional noise mitigation
- It should also be noted that if the resident and/or strata manager wishes to undertake additional works, they are free to do so at their own expense and contractual terms with the noise installation contractor.

## **8 Program review and amendment**

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This report forms part of the Construction Environmental Management Plan (CEMP), and as such, is subject to the management review process as described in the CEMP. In addition, TfNSW/D&C Contractor is responsible for updating this Program to reflect lessons learnt and changes required as identified during delivery of the At-Property Noise Mitigation Works.

Revisions of the At-Property Noise Mitigation report will be consulted with the AA and approved by DPIE.

All changes must be recorded in a table in this section of the report along with details of consultation with the AA and approval by DPIE.

## Appendix A Proposed treatment package types for eligible properties

Table 6 Treatment packages for eligible residential properties

Unit no.	Address	TfNSW treatment package type
	189 Bay Street, Brighton-Le-Sands	1
	193 Bay Street, Brighton-Le-Sands	1
	195 Bay Street, Brighton-Le-Sands	1
	197 Bay Street, Brighton-Le-Sands	1
	199 Bay Street, Brighton-Le-Sands	1
	201 Bay Street, Brighton-Le-Sands	1
	203 Bay Street, Brighton-Le-Sands	1
	205 Bay Street, Brighton-Le-Sands	1
	207 Bay Street, Brighton-Le-Sands	1
	209 Bay Street, Brighton-Le-Sands	1
	209A Bay Street, Brighton-Le-Sands	1
	213 Bay Street, Brighton-Le-Sands	1
	215 Bay Street, Brighton-Le-Sands	1
	217 Bay Street, Brighton-Le-Sands	1
	219 Bay Street, Brighton-Le-Sands	1
	221 Bay Street, Brighton-Le-Sands	1
	223 Bay Street, Brighton-Le-Sands	1
	223A Bay Street, Brighton-Le-Sands	1
	225 Bay Street, Brighton-Le-Sands	1
	225A Bay Street, Brighton-Le-Sands	1
	373 West Botany Street, Rockdale	1
	375 West Botany Street, Rockdale	1
	377 West Botany Street, Rockdale	1
	379 West Botany Street, Rockdale	1
	381 West Botany Street, Rockdale	1
	392 West Botany Street, Rockdale	1
	394 West Botany Street, Rockdale	1
	396 West Botany Street, Rockdale	1
	1A Civic Avenue, Kogarah	2
	1 Civic Avenue, Kogarah	1
	3 Civic Avenue, Kogarah	1
1	7-9 Cross Street, Kogarah	5
2	7-9 Cross Street, Kogarah	5
3	7-9 Cross Street, Kogarah	5
4	7-9 Cross Street, Kogarah	5
5	7-9 Cross Street, Kogarah	5

Unit no.	Address	TfNSW treatment package type
6	7-9 Cross Street, Kogarah	5
7	7-9 Cross Street, Kogarah	5
10	7-9 Cross Street, Kogarah	5
13	7-9 Cross Street, Kogarah	5
27	7-9 Cross Street, Kogarah	1
28	7-9 Cross Street, Kogarah	1
29	7-9 Cross Street, Kogarah	2
30	7-9 Cross Street, Kogarah	2
	38 Gladstone Street, Kogarah	2
1	63 Gladstone Street, Kogarah	2
2	63 Gladstone Street, Kogarah	2
3	63 Gladstone Street, Kogarah	2
4	63 Gladstone Street, Kogarah	2
5	63 Gladstone Street, Kogarah	2
6	63 Gladstone Street, Kogarah	2
1	69 Gladstone Street, Kogarah	3
2	69 Gladstone Street, Kogarah	2
3	69 Gladstone Street, Kogarah	2
4	69 Gladstone Street, Kogarah	2
5	69 Gladstone Street, Kogarah	2
6	69 Gladstone Street, Kogarah	2
7	69 Gladstone Street, Kogarah	3
8	69 Gladstone Street, Kogarah	2
9	69 Gladstone Street, Kogarah	2
10	69 Gladstone Street, Kogarah	2
11	69 Gladstone Street, Kogarah	2
12	69 Gladstone Street, Kogarah	2
13	69 Gladstone Street, Kogarah	3
14	69 Gladstone Street, Kogarah	3
15	69 Gladstone Street, Kogarah	3
16	69 Gladstone Street, Kogarah	3
17	69 Gladstone Street, Kogarah	3
18	69 Gladstone Street, Kogarah	3
6	1-5 Hogben Street, Kogarah	1
9	1-5 Hogben Street, Kogarah	2
10	1-5 Hogben Street, Kogarah	1
11	1-5 Hogben Street, Kogarah	1
12	1-5 Hogben Street, Kogarah	2
13	1-5 Hogben Street, Kogarah	1
14	1-5 Hogben Street, Kogarah	1

Unit no.	Address	TfNSW treatment package type
15	1-5 Hogben Street, Kogarah	2
16	1-5 Hogben Street, Kogarah	1
	1 Lachal Avenue, Kogarah	1
	2 Lachal Avenue, Kogarah	1
	1 Oakdale Avenue, Kogarah	2
	35 O'Neill Street, Brighton-Le-Sands	1
	40 O'Neill Street, Brighton-Le-Sands	1
	42 O'Neill Street, Brighton-Le-Sands	1
	44 O'Neill Street, Brighton-Le-Sands	1
	46 O'Neill Street, Brighton-Le-Sands	1
	47 O'Neill Street, Brighton-Le-Sands	1
	48 O'Neill Street, Brighton-Le-Sands	1
	49 O'Neill Street, Brighton-Le-Sands	1
	50 O'Neill Street, Brighton-Le-Sands	1
1	51 O'Neill Street, Brighton-Le-Sands	1
2	51 O'Neill Street, Brighton-Le-Sands	1
3	51 O'Neill Street, Brighton-Le-Sands	1
	52 O'Neill Street, Brighton-Le-Sands	1
	54 O'Neill Street, Brighton-Le-Sands	1
	56A O'Neill Street, Brighton-Le-Sands	1
	56B O'Neill Street, Brighton-Le-Sands	1
	58 O'Neill Street, Brighton-Le-Sands	1
	60 O'Neill Street, Brighton-Le-Sands	1
	62 O'Neill Street, Brighton-Le-Sands	2
	64 O'Neill Street, Brighton-Le-Sands	2
	66 O'Neill Street, Brighton-Le-Sands	2
1	58 Premier Street, Kogarah	1
2	58 Premier Street, Kogarah	1
3	58 Premier Street, Kogarah	2
4	58 Premier Street, Kogarah	1
5	58 Premier Street, Kogarah	2
6	58 Premier Street, Kogarah	2
7	58 Premier Street, Kogarah	2
8	58 Premier Street, Kogarah	2
9	58 Premier Street, Kogarah	2
1	2 President Avenue, Kogarah	5
2	2 President Avenue, Kogarah	3
3	2 President Avenue, Kogarah	5
4	2 President Avenue, Kogarah	3
5	2 President Avenue, Kogarah	5

Unit no.	Address	TfNSW treatment package type
6	2 President Avenue, Kogarah	3
7	2 President Avenue, Kogarah	3
8	2 President Avenue, Kogarah	3
9	2 President Avenue, Kogarah	3
10	2 President Avenue, Kogarah	3
11	2 President Avenue, Kogarah	3
12	2 President Avenue, Kogarah	3
1	4-6 President Avenue, Kogarah	5
2	4-6 President Avenue, Kogarah	5
4	4-6 President Avenue, Kogarah	5
5	4-6 President Avenue, Kogarah	5
7	4-6 President Avenue, Kogarah	5
8	4-6 President Avenue, Kogarah	5
2	8-10 President Avenue, Kogarah	5
3	8-10 President Avenue, Kogarah	5
5	8-10 President Avenue, Kogarah	5
6	8-10 President Avenue, Kogarah	5
8	8-10 President Avenue, Kogarah	5
9	8-10 President Avenue, Kogarah	5
1	12-14 President Avenue, Kogarah	5
2	12-14 President Avenue, Kogarah	5
4	12-14 President Avenue, Kogarah	5
5	12-14 President Avenue, Kogarah	5
7	12-14 President Avenue, Kogarah	5
8	12-14 President Avenue, Kogarah	5
	17 President Avenue, Kogarah	5
1	18 President Avenue, Kogarah	5
2	18 President Avenue, Kogarah	5
4	18 President Avenue, Kogarah	5
5	18 President Avenue, Kogarah	5
7	18 President Avenue, Kogarah	5
8	18 President Avenue, Kogarah	5
	19 President Avenue, Kogarah	5
1	20 President Avenue, Kogarah	5
2	20 President Avenue, Kogarah	5
5	20 President Avenue, Kogarah	5
6	20 President Avenue, Kogarah	5
9	20 President Avenue, Kogarah	5
10	20 President Avenue, Kogarah	5
	21 President Avenue, Kogarah	5



Unit no.	Address	TfNSW treatment package type
1	22-24 President Avenue, Kogarah	5
2	22-24 President Avenue, Kogarah	5
6	22-24 President Avenue, Kogarah	5
7	22-24 President Avenue, Kogarah	5
11	22-24 President Avenue, Kogarah	5
12	22-24 President Avenue, Kogarah	5
	23 President Avenue, Kogarah	5
	25 President Avenue, Kogarah	5
	27 President Avenue, Kogarah	5
1	30-32 President Avenue, Kogarah	5
2	30-32 President Avenue, Kogarah	3
3	30-32 President Avenue, Kogarah	5
4	30-32 President Avenue, Kogarah	3
5	30-32 President Avenue, Kogarah	5
6	30-32 President Avenue, Kogarah	3
7	30-32 President Avenue, Kogarah	2
9	30-32 President Avenue, Kogarah	2
11	30-32 President Avenue, Kogarah	2
1	34-36 President Avenue, Kogarah	5
2	34-36 President Avenue, Kogarah	5
6	34-36 President Avenue, Kogarah	5
7	34-36 President Avenue, Kogarah	5
1	38-40 President Avenue, Kogarah	5
2	38-40 President Avenue, Kogarah	5
4	38-40 President Avenue, Kogarah	5
5	38-40 President Avenue, Kogarah	5
1	42 President Avenue, Kogarah	5
2	42 President Avenue, Kogarah	5
7	42 President Avenue, Kogarah	5
8	42 President Avenue, Kogarah	5
13	42 President Avenue, Kogarah	5
14	42 President Avenue, Kogarah	5
	48 President Avenue, Kogarah	5
	50 President Avenue, Kogarah	5
	52 President Avenue, Kogarah	5
	54 President Avenue, Kogarah	5
	56 President Avenue, Kogarah	5
	57 President Avenue, Kogarah	5
	58 President Avenue, Kogarah	5
	59 President Avenue, Kogarah	5

Unit no.	Address	TfNSW treatment package type
	61 President Avenue, Kogarah	5
	62 President Avenue, Kogarah	4
	63 President Avenue, Kogarah	5
	64 President Avenue, Kogarah	5
	66 President Avenue, Kogarah	5
	68 President Avenue, Kogarah	5
	70 President Avenue, Kogarah	5
	72 President Avenue, Kogarah	5
	74 President Avenue, Kogarah	5
	137 President Avenue, Monterey	4
	139 President Avenue, Monterey	4
	141 President Avenue, Monterey	4
	143 President Avenue, Monterey	4
	145 President Avenue, Monterey	4
	146 President Avenue, Brighton-Le-Sands	5
	147 President Avenue, Monterey	4
	148 President Avenue, Brighton-Le-Sands	5
	149 President Avenue, Monterey	5
	150 President Avenue, Brighton-Le-Sands	5
	151 President Avenue, Monterey	4
	152 President Avenue, Brighton-Le-Sands	5
	153 President Avenue, Monterey	4
	154 President Avenue, Brighton-Le-Sands	5
	155 President Avenue, Monterey	4
	156 President Avenue, Brighton-Le-Sands	5
1	157-159 President Avenue, Monterey	4
7	157-159 President Avenue, Monterey	4
	158 President Avenue, Brighton-Le-Sands	5
	160 President Avenue, Brighton-Le-Sands	5
1	161-163 President Avenue, Monterey	4
	162 President Avenue, Brighton-Le-Sands	5
	164 President Avenue, Brighton-Le-Sands	4
1	165-169 President Avenue, Kogarah	5
2	165-169 President Avenue, Kogarah	5
9	165-169 President Avenue, Kogarah	3
10	165-169 President Avenue, Kogarah	3
	166 President Avenue, Brighton-Le-Sands	5
1	79-87 Princes Highway, Kogarah	5
2	79-87 Princes Highway, Kogarah	5
3	79-87 Princes Highway, Kogarah	5

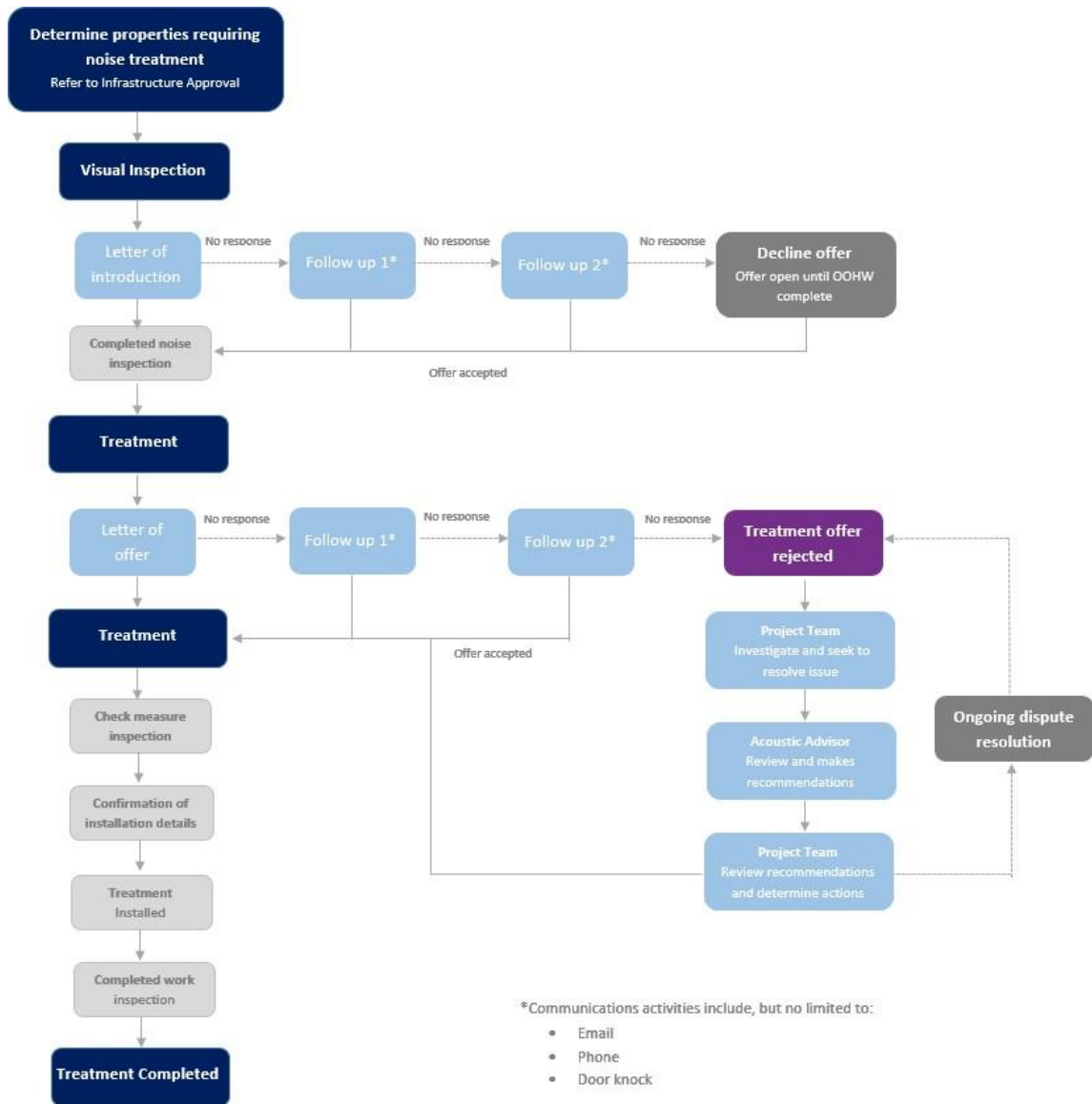
Unit no.	Address	TfNSW treatment package type
4	79-87 Princes Highway, Kogarah	5
5	79-87 Princes Highway, Kogarah	5
6	79-87 Princes Highway, Kogarah	5
7	79-87 Princes Highway, Kogarah	5
8	79-87 Princes Highway, Kogarah	5
9	79-87 Princes Highway, Kogarah	5
10	79-87 Princes Highway, Kogarah	5
11	79-87 Princes Highway, Kogarah	5
12	79-87 Princes Highway, Kogarah	5
13	79-87 Princes Highway, Kogarah	5
14	79-87 Princes Highway, Kogarah	5
15	79-87 Princes Highway, Kogarah	5
16	79-87 Princes Highway, Kogarah	5
17	79-87 Princes Highway, Kogarah	5
18	79-87 Princes Highway, Kogarah	5
19	79-87 Princes Highway, Kogarah	5
20	79-87 Princes Highway, Kogarah	5
21	79-87 Princes Highway, Kogarah	5
22	79-87 Princes Highway, Kogarah	5
23	79-87 Princes Highway, Kogarah	5
24	79-87 Princes Highway, Kogarah	5
25	79-87 Princes Highway, Kogarah	5
26	79-87 Princes Highway, Kogarah	5
27	79-87 Princes Highway, Kogarah	5
28	79-87 Princes Highway, Kogarah	5
29	79-87 Princes Highway, Kogarah	5
30	79-87 Princes Highway, Kogarah	5
31	79-87 Princes Highway, Kogarah	5
32	79-87 Princes Highway, Kogarah	5
33	79-87 Princes Highway, Kogarah	5
34	79-87 Princes Highway, Kogarah	5
35	79-87 Princes Highway, Kogarah	5
36	79-87 Princes Highway, Kogarah	5
37	79-87 Princes Highway, Kogarah	5
38	79-87 Princes Highway, Kogarah	5
39	79-87 Princes Highway, Kogarah	5
40	79-87 Princes Highway, Kogarah	5
41	79-87 Princes Highway, Kogarah	5
42	79-87 Princes Highway, Kogarah	5
43	79-87 Princes Highway, Kogarah	5

Unit no.	Address	TfNSW treatment package type
44	79-87 Princes Highway, Kogarah	5
45	79-87 Princes Highway, Kogarah	5
46	79-87 Princes Highway, Kogarah	5
47	79-87 Princes Highway, Kogarah	5
48	79-87 Princes Highway, Kogarah	5
49	79-87 Princes Highway, Kogarah	5
50	79-87 Princes Highway, Kogarah	5
51	79-87 Princes Highway, Kogarah	5
52	79-87 Princes Highway, Kogarah	5
.1	722 Princes Highway, Kogarah	4
1	726-728 Princes Highway, Kogarah	4
2	726-728 Princes Highway, Kogarah	4
3	726-728 Princes Highway, Kogarah	4
4	726-728 Princes Highway, Kogarah	4
5	726-728 Princes Highway, Kogarah	4
6	726-728 Princes Highway, Kogarah	4
.1	730 Princes Highway, Kogarah	4
3	732 Princes Highway, Kogarah	4
4	732 Princes Highway, Kogarah	4
7	732 Princes Highway, Kogarah	4
8	732 Princes Highway, Kogarah	4
10	732 Princes Highway, Kogarah	2
11	732 Princes Highway, Kogarah	4
12	732 Princes Highway, Kogarah	4
	1 Traynor Avenue, Kogarah	1
	2 Traynor Avenue, Kogarah	2
	467 West Botany Street, Kogarah	4
	469 West Botany Street, Kogarah	4

Notes:

1. *Strata Plans were unavailable during the EIS therefore apartment numbers are unknown*

# Appendix B At-Property Noise Mitigation Works engagement process



## Appendix C Special circumstances

Table 7 Impact of special circumstances

Circumstance	Impact
Covid-19 (Coronavirus)	<p>Due to the impact of Covid-19, and the NSW Government's health advice, some work activities outlined in Table 4 and Table 5 may be amended. These activities may include, but not limited to:</p> <ul style="list-style-type: none"><li>• property Inspections</li><li>• builders check measure</li><li>• installation of treatment.</li></ul> <p>The Project will monitor health advice closely and will provide updates to property owners about the impacts of Covid-19 and our Project as it becomes available. Impacts may include:</p> <ul style="list-style-type: none"><li>• additional risk assessments</li><li>• additional stakeholder communications</li><li>• where identified by risk assessments, work may be temporarily placed on hold until circumstances permit.</li></ul> <p>It is noted that regardless of the impacts associated with COVID 19, the delivery of at property construction noise mitigation treatments would be in accordance with CoA E78 and will be installed prior to the commencement of any out of hours work that may cause sleep disturbance (as described in NSW Road Noise Policy (DECCW, 2011)), unless otherwise approved by the Planning Secretary.</p>