

Quarterly Construction Compliance Report: No. 13

24 August 2019 – 22 November 2019

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Document Approval

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00	10/2/20	CDS-JV	WCX M5 AT, TfNSW, ER			
Signature:						



Details of Revision Amendments

Document Control

The Project Director is responsible for ensuring that this Plan is reviewed and approved. The Support Services Director (SSD) is responsible for updating this Plan to reflect changes to the Project, legal and other requirements, as required.

Amendments

Any revisions or amendments must be approved by the Project Director before being distributed or implemented.

Revision Details

Revision	Details
00	Prepared for WCX M5 AT and TfNSW input and review and ER review

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1. Introduction

1.1 Project description

WestConnex is Australia's largest road project, linking Sydney's west and south-west with the city, airport and port in a 33 kilometre continuous motorway. It will facilitate economic growth and urban revitalisation by providing new opportunities for residential and commercial development.

The WestConnex Project is being delivered in three stages:

- WestConnex Stage 1: M4 – Parramatta to Haberfield (the “M4 East”)
- **WestConnex Stage 2: M5 – Beverly Hills to St Peters (“the New M5”)**, and
- WestConnex Stage 3: M4-M5 Link – Haberfield to St Peters (“Stage 3”).

The New M5 Project (New M5, the project) is designated as State Significant Infrastructure (SSI 6788) and is the Stage 2 component of the WestConnex scheme. The proponent for the project is Roads and Maritime Services (TfNSW) and the project company (WCX M5 AT). WCX M5 AT has engaged the CPB Samsung Dragados Joint Venture (CDS-JV) to deliver the design and construction of the project. The project was approved by the Minister for Planning on 20 April 2016, subject to conditions.

The Project will run from the existing M5 East corridor at Beverly Hills via tunnel to St Peters, providing improved access to the airport, south Sydney and Port Botany precincts. The Project will substantially improve the east - west corridor access between the Sydney CBD, Port Botany and Sydney Airport precincts and the South West growth areas.

The project comprises the following key features:

- Twin motorway tunnels between the existing M5 East Motorway (between King Georges Road and Bexley Road) and St Peters. Each tunnel would be around nine kilometres in length and would be configured as follows:
 - Between the western portals and Arncliffe, the tunnels would be built to be three lanes wide but marked for two lanes as part of the project. Any change from two lanes to three lanes would be subject to future environmental assessment and approval
 - Between Arncliffe and St Peters, the tunnels would be built to be five lanes wide but marked for two lanes as part of the project. Any change from two lanes to any of three, four or five lanes would be subject to future environmental assessment and approval
- Tunnel stubs to allow for a future connection to the M4-M5 Link and a future connection to southern Sydney via a future Southern extension
- Surface road widening works along the M5 East Motorway between east of King Georges Road and the new tunnel portals
- A new road interchange at St Peters, which would initially provide road connections from the main alignment tunnels to Campbell Road and Euston Road, St Peters
- Two new road bridges across Alexandra Canal which would connect St Peters interchange with Gardeners Road and Bourke Road, Mascot
- Closure and remediation of the Alexandria Landfill site, to enable the construction and operation of the new St Peters interchange
- Works to enhance and upgrade local roads near the St Peters interchange
- Ancillary infrastructure and operational facilities for electronic tolling, signage (including electronic signage), ventilation structures and systems, fire and life safety systems, and emergency evacuation and smoke extraction infrastructure
- A motorway control centre that would include operation and maintenance facilities
- New service utilities and modifications to existing service utilities
- Temporary construction facilities and temporary works to facilitate the construction of the project
- Infrastructure to introduce tolling on the existing M5 East Motorway
- Surface road upgrade works within the corridor of the M5 East Motorway.

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1.2 Project staging

Roads and Maritime has elected to stage the New M5 project in accordance with CoA A10. The stages are described in detail in the New M5 Staging Report (Revision 3, dated 22/12/2016) and summarised in Table 1.

Table 1: Project Staging

Stage	Sub-stage	Project location	Description
1	a)	Kingsgrove construction compounds (C1, C2 and C3)	Site establishment activities e.g.: minor vegetation clearance, demolition, installation of environmental controls, services protection/installation/relocation, installation of access arrangements, installation of site fencing, installation of noise walls including associated piling, installation of compound facilities including offices, amenities and workshops.
	b)	Bexley Road North (C4), Bexley Road South (C5), Bexley Road East (C6), Arncliffe (C7), Canal Road (C8), Campbell Road (C9), Landfill Closure (C10) and Burrows Road (C11) Construction Compounds.	
	c)	HV power alignments as described in Addendum No. 1 to the Ancillary Facilities Management Plan (AFMP): Alignment 1: Rockdale substation to Arncliffe construction compound (C7); Alignment 2: Commercial Road to Kingsgrove construction compound (C3); Alignment 3: May St substation to Canal Road construction compound (C8); Alignment 4: Campsie substation to Bexley North construction compound (C4).	Provision of High Voltage (HV) power to construction compounds C3, C4, C7 and C8 including protection and/or relocation of existing services, trenching, pipe-jacking, horizontal directional drilling, cable-pulling, backfilling of trenches, temporary stockpiling and reinstatement/rehabilitation of pavements and surfaces.
2	a)	Kingsgrove construction compounds (C1, C2 and C3)	Continuation of Stage 1 (establishment) activities, and commencement of construction activities, including installation of acoustic sheds, excavation of shafts/declines, demobilisation and rehabilitation.
	b)	Bexley construction compounds (C4-C6)	
	c)	Arncliffe construction compound (C7)	
	d)	St Peters Interchange construction compounds (C8-C11)	
3		Tunnelling - all project sites.	Commencement of tunnelling works including excavation with roadheaders, tunnel fit-out and commissioning works.
4	a)	Local Roads Upgrade construction compounds (C12-C13).	Establishment of temporary construction compounds (C12-C13).
	b)	Local Roads Upgrade construction compounds (C12-C13) and construction sites.	Temporary construction activities at the local roads construction compounds and sites
	c)	Local Roads Upgrade construction compounds (C12-C13) and construction sites.	Permanent construction activities and rehabilitation activities at the Euston Road, Bourke Road, Gardeners Road and bridge construction sites, as well as permanent non-drainage works at Campbell Street and Campbell Road construction sites.

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Stage	Sub-stage	Project location	Description
	d)	Local Roads Upgrade construction compounds (C12-C13) and construction sites.	Permanent drainage works and rehabilitation activities at Campbell Street and Campbell Road construction sites, as well as demobilisation at all Local Road Upgrade sites.

The key distinguishing feature of Stage 2 is the commencement of construction as defined under the Infrastructure Approval. Stage 3 comprises tunnelling activities, which includes roadheader excavation, tunnel fit-out and commissioning. Stage 4 comprises the commencement of works for the Local Road Upgrades.

Stage 1 activities commenced 9 June 2016, Stage 2 activities commenced 24 August 2016, Stage 3 activities commenced 30 November 2016 and Stage 4 commenced 3 January 2017.

1.3 Purpose

The purpose of this Quarterly Construction Compliance Report Issue No. 13 (QCCR13) is to comply with CoA A14(c)(ii) of the planning approval and to provide to the Department of Planning and Environment (DP&E) a report that provides a status on the compliance of the project with construction phase conditions and requirements. Subsequent Quarterly Construction Compliance Reports will continue to be prepared and submitted every three months subsequent to this QCCR.

CDS-JV, WCX M5 AT and Roads and Maritime are jointly responsible for compliance with the project conditions of approval and other requirements.

The scope of this report is based on CoA A14. The requirements relevant to QCCR13 are provided in Table 2.

QCCR13 is the thirteenth construction compliance report for the construction phase and reports on the thirteenth quarter of construction, 24th August 2019 – 22nd November 2019. A Pre-Construction Compliance Report (PCCR) was submitted to the Secretary, DP&E prior to the commencement of construction to detail status against pre-construction project requirements.

1.4 Environmental management system overview

The environmental management system (EMS) is the primary system to manage and control the environmental aspects of the project during pre-construction and construction. It also provides the overall framework for the system and procedures to ensure environmental impacts are minimised and legislative requirements are fulfilled.

The CDS-JV EMS is based on the CPB Contractors EMS, which was adapted to address project and joint venture requirements.

The Construction Environmental Management Plan (CEMP) is the key document of the EMS. The strategies defined in the CEMP have been developed with consideration of the CoA and the revised environmental management measures (REMMs) presented in the New M5 Submissions Report. The CEMP establishes the system for implementation, monitoring and continuous improvement to minimise impacts from the project on the environment and community.

This QCCR13 is separate from the CTP and CEMP, but is part of a suite of environmental management documents prepared for the New M5 project.

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2. Program requirements

This QCCR13 has been prepared as a requirement of CoA A14. The relevant requirements of this condition are detailed in Table 2.

Table 2: Conditions of Approval that relate to the quarterly construction compliance report

No.	Relevant requirement	Where addressed
A10	The Proponent may elect to construct and/or operate the SSI in stages. Where staging is proposed, the Proponent must submit a Staging Report to the Secretary prior to the commencement of each proposed stage. The Staging Report must provide details of:	The Staging Report has been updated (Rev 3) and was provided to the Secretary on 22/12/2016.
(b)	details of the relevant conditions of approval, which would apply to each stage and how these will be complied with across and between the stages of the SSI.	QCCR13 satisfies this condition for the twelfth quarter of construction and supports the Staging Report. This QCCR13 notes the conditions which are relevant to each stage of the project and how compliance has been or will be achieved.
A14	The Proponent must prepare and implement a Compliance Tracking Program to track compliance with the requirements of this approval. The Compliance Tracking Program must be submitted to the Secretary for approval prior to the commencement of construction and operate for a minimum of 24 months following commencement of operation, subject to the Secretary's review of the outcomes of the Independent Environmental Audit Report required by condition E51. The operation of the program may be extended if the Secretary determines that there has been unsatisfactory compliance. The Compliance Tracking Program must include, but not be limited to:	A CTP has been prepared and was submitted to the Secretary on 6/06/16. The CTP was approved by the Secretary on 25/07/16 and will operate for a minimum of 24 months following commencement of operation.
(c)	provision for periodic reporting of compliance status to the Secretary, including but not limited to: (ii) quarterly Construction Compliance Reports, for the duration of construction,	QCCR13 satisfies this condition for the twelfth quarter of construction. Subsequent quarterly construction compliance reports will be submitted for the duration of construction.

2.1 Assessment under the Instrument of Approval and REMMs

The project QCCRs are prepared in accordance with CoA A14 and are required to address the project requirements contained in the Minister's Conditions of Approval and the Revised Environmental Management Measures (REMMs) identified in the Submissions Report. The New M5 must demonstrate continuous compliance with all associated requirements.

Table 3 provides a definition for the assessment criteria used in this QCCR.

Table 3: Assessment criteria for compliance

Status	Description
Compliant	The intent and all specific requirements of the consent conditions have been met.
Verification	In the absence of formal written verification the auditor is able to verify by other demonstrable means (visual inspection, personal communication etc) that a condition has been met then, in most cases, the operation should be considered to be in compliance for that condition.

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Status	Description
Non-compliant	The intent or one or more specific requirements of the conditions or management measures have not been met.
Administrative non-compliance	A technical non-conformance with a condition of the consent that would not impact on environmental performance and that is considered minor in nature (eg. Report submitted but not on the due date). This would not apply to performance-related aspects (eg. Exceedances of a noise limit) or where a condition or management measure has not been met at all (eg. Noise management plan not prepared and submitted for approval at all).
Not triggered	A condition or requirement has an activation or timing requirement that has not been sufficiently triggered at the time of the review, therefore a determination of compliance should not be made.
Observation	An observation made or improvement opportunity has been identified.

2.2 Department of Planning and Environment notification

CDS-JV commenced construction activities (Stage 2) on 24 August 2016, as defined by the Instrument of Approval in accordance with the conditional approval of the CEMP, provided by DP&E on 4 August 2016. Commencement of construction at the remaining sites has also occurred subsequent to the relevant safety and environmental approvals/consents being obtained, including the satisfaction of CEMP conditions as provided in the DP&E letter of approval for the CEMP (4 August 2016).

TfNSW provided written notification to the Secretary prior to the commencement of construction, and prior to the commencement of each subsequent stage. Notification will also be provided prior to the commencement of operation. CDS-JV have submitted an updated Staging Report to the Secretary that provides compliance status against each condition, as required by CoA A10, prior to the commencement of Stage 2, Stage 3 and Stage 4 activities.

2.3 Periodic review

Regular compliance activities, such as inspections, observations and monitoring will be undertaken in accordance with the AFMP and CEMP as required.

Environmental controls are to be inspected regularly to ensure their ongoing suitability and effectiveness. Environmental monitoring is carried out to establish pre-construction benchmarks, confirm compliance with the conditions of environmental approvals, licences and laws and to provide early indication of potential adverse impacts to the environment or community.

A summary of monitoring requirements specifically identified in the Conditions of Approval for the construction phase of the project are summarised in Table 4. Monitoring requirements are addressed within specific programs or plans as identified in the final column.

Table 4: Project monitoring requirements identified in the CoA

CoA ref	Required monitoring	Where addressed
Construction phase		
B13	A Biodiversity Offset Package is required to be developed. Monitoring must be undertaken for any potential compensatory habitat works, if such work is required.	Biodiversity Offset Package
B14(a)	An adaptive monitoring program is to be developed as part of the Green and Golden Bell Frog Plan of Management.	Green and Golden Bell Frog Plan of Management
B15(a)	An adaptive monitoring program is to be developed to assess the success of the habitat creation, survival and breeding of the released GGBF population at Arncliffe.	Habitat Creation and Captive Breeding Plan

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CoA ref	Required monitoring	Where addressed
B15(j)	Ongoing monitoring, review and amendment of the Habitat Creation and Captive Breeding Plan.	Habitat Creation and Captive Breeding Plan
B28(h)	Baseline surface water and groundwater monitoring conducted prior to the commencement of construction.	Water Quality Plan and Monitoring Program
B28(i),(j),(k),(m),(q),(r)	Surface water and groundwater monitoring at specific locations, at a frequency and for a duration that are representative of the potential extent of impacts from the project. Monitoring is to include discharges from construction and operational water treatment plants, streambed fracturing and extracted groundwater volumes.	Water Quality Plan and Monitoring Program
B32(a),(e)	Monitoring framework implemented following the cessation of waste disposal and material recycling activities at the Alexandria Landfill and associated waste recycling and transfer facility, including the groundwater monitoring bore network.	Landfill Closure Management Plan
B61(m)	Monitoring and maintenance procedures for built elements, rehabilitated vegetation and landscaping.	Urban Design and Landscape Plan
B66(a)	Monitoring social impacts of the SSI, including cumulative impacts and reviewing the effectiveness of mitigation measures in directly affected precincts.	Community and Social Management Plan
D1(b)	The Environmental Representative must monitor the implementation of environmental management plans and monitoring programs required under the CoA.	Construction Environmental Management Plan (CEMP)
D22	Vibration testing and monitoring to identify minimum working distances to retained heritage items to prevent cosmetic damage.	Construction Noise and Vibration Management Plan (CNVMP) Construction Heritage Sub-Plan (CHSP)
D23	Noise monitoring during initial high noise generating activities (such as piling, rock hammering, jack hammering) to confirm the number of sensitive receivers which may experience sleep disturbance.	CNVMP
D28(f)	Appropriate noise and vibration monitoring during blasting activities.	Blast Management Strategy (if blasting is required)
D50(f)	Monitoring of impacts resulting from on and off-street parking changes during construction.	Construction Parking and Access Strategy
D54(e)	Monitoring of the effectiveness of actions and measures implemented to manage contamination impacts during project works.	Construction Contaminated Land Management Plan (CCLMP)
D54(f)	Monitor, review, and amend the Construction Contamination Management Plan.	CCLMP
D57(f)	Details of monitoring specific to each facility to be implemented to minimise environmental and amenity impacts of ancillary facilities.	Ancillary Facilities Management Plan (AFMP)
D57(l)	Monitor, review and amend the Ancillary Facilities Management Plan.	AFMP
D67(e)	Monitoring of environmental performance across the project.	CEMP
D67(e)(i)	Monitoring of dust emissions.	Construction Air Quality Sub-Plan (CAQSP)
D67(e)(iii)	Monitoring of waste generated during construction.	Waste and Resource Sub-Plan (CWRSP)
D67(e)(iv)	Monitoring hazards and risks across the project.	CEMP and each sub-plan
D67(e)(v)	Monitoring and rectification of impacts to third party property and infrastructure.	Community Communication Strategy

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CoA ref	Required monitoring	Where addressed
D68(a)(xi)	Monitor, review and amend the Construction Traffic and Access Management Plan.	Construction Traffic and Access Management Plan (CTAMP)
D68(b)(xi)	Monitoring effectiveness of mitigation and management measures implemented during proposed works.	CNVMP
D68(b)(xiii)	Monitor, review and amend the Construction Noise and Vibration Management Plan.	CNVMP
D68(c)(ii)(C)	Monitoring and reporting of impacts to heritage items.	CHSP
D68(c)(iii)	Monitor, review and amend the Construction Heritage Management Plan.	CHSP
D68(d)(vi)	Monitoring the effectiveness of flora and fauna management measures.	Construction Flora and Fauna Sub-Plan (CFFSP)
D68(d)(xi)	Monitor the condition of groundwater dependent ecosystems in Bardwell Valley Parkland and Broadford Street Reserve and Stotts Reserve.	CFFSP and Water Quality Plan and Monitoring Program (WQP&MP)
D68(d)(xiii)	Monitor, review and amend the Construction Flora and Fauna Management Plan	CFFSP
D68(d)(xv)	Monitor, review and amend the Construction Flora and Fauna Management Plan.	CFFSP
D68(e)(iii)	Monitoring air quality impacts.	CAQSP
D68(e)(viii)	Provisions for implementation of additional mitigation measures in response to issues identified during monitoring and reporting.	CAQSP
D68(e)(ix)	Monitor, review and amend the Construction Air Quality Management Plan.	CAQSP
D68(f)(v)	Monitoring water quality at acid sulfate soils treatment areas.	Acid Sulfate Soils Sub-Plan (ASSSP)
D68(f)(vi)	Monitoring the effectiveness of actions and measures for management soil and water impacts.	Construction Soil and Water Quality Sub-Plan (CSWQSP) and WQP&MP
D68(f)(vii)	Monitor, review and amend the Construction Soil and Water Management Plan.	CSWQSP
Operational phase		
E2	Monitoring pollutants within the tunnel.	Operational Environmental Management Plan (OEMP)
E10	Monitoring pollutants associated with ambient air quality.	OEMP
E11	Monitoring locations must be selected with the objective of achieving like-to-like comparison of monitoring results with available pre-construction data	OEMP
E12	Monitoring results must be made publicly available and must be subject to an independent audit at six-monthly intervals	OEMP
E13	Monitoring to be conducted for at least twelve continuous months prior to operation and to continue for at least two years following the commencement of operation.	OEMP
E18	Monitoring of pollutants from the ventilation outlets.	OEMP
E24	Results of hourly updated real-time ambient monitoring must be provided on a website and made publicly available each month	OEMP
E31(h)	Monitoring environmental performance across the project during the operational phase.	OEMP

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CoA ref	Required monitoring	Where addressed
E31(h)	Operational Environmental Management Plan (OEMP) must contain how environmental performance would be managed and monitored to meet acceptable outcomes.	OEMP
E34(f)(g)	Monitoring of operational noise, including on surrounding roads which experience significantly increased traffic volumes as a result of the project. Monitoring of noise in response to complaints. Monitoring and review of the Operational Noise Management Plan.	Operational Noise Management Plan (ONMP)
E38	Monitoring operational noise and vibration to compare actual noise and vibration performance of the project against the noise performance predicted in the Operational Noise and Vibration Review.	Operational Noise and Vibration Compliance Report
E38(a)	Details of the noise and vibration monitoring program including methodology, location and frequency of noise monitoring.	Operational Noise and Vibration Compliance Report
E42(f)	Mechanisms for monitoring of on- and off-street parking impacts and mitigation measures at 12 month intervals to determine the effectiveness of implemented mitigation measures and any supply and demand induced parking issues that are attributable to the SSI	Operational Parking and Access Strategy (OPAS)
E42(g)	Provision of contingency measures should the results of mitigation monitoring indicate implemented measures are ineffective.	OPAS
E42(h)	Provision of reporting of monitoring results to the Secretary and relevant councils at 12 month intervals for the first five years of operation.	OPAS

2.4 Reporting

2.4.1 Compliance Reporting

This QCCR13 provides the thirteenth construction phase compliance report for the project against the CoA and REMMs. Subsequent construction-phase compliance reports will be undertaken every three months for the duration of construction. A final report for construction-related compliance will be undertaken prior to the commencement of operation.

Input and review from the Environmental Representative and WCX M5 AT will be required prior to submission to the Secretary for all construction compliance reporting. Submission of the QCCR to DP&E will be targeted for the end of the month following that identified in Table 5.

The indicative timeframe for construction compliance reports is identified in Table 5.

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Table 5: Indicative timeframe for construction compliance reporting

Item	Details	Timing / indicative timeframe	Responsibility	Recipient of report
Pre-construction compliance report	Status against CoA and REMM before construction starts	Prior to the commencement of Stage 1 - June 2016 Prior to the commencement of Stage 2 - August 2016	Environment and Sustainability Manager	DP&E; WCX M5 AT; Environmental Representative
Construction compliance report	Status against CoA and REMM during construction phase	Quarterly throughout construction / November 2016 February 2017 May 2017 August 2017 November 2017 February 2018 May 2018 August 2018 November 2018 February 2019 May 2019 August 2019 November 2019	Environment and Sustainability Manager	DP&E; WCX M5 AT; Environmental Representative
Pre-Operation Compliance Report	Status against CoA and REMM before operation starts	Prior to the commencement of operation - mid 2019	Environment and Sustainability Manager	DP&E; WCX M5 AT; Environmental Representative

Section 3 provides a summary of the activities undertaken during the reporting period. Appendix A contains the details of each CoA and identifies the relevant project stages, timing and approval details as relevant to the reporting period. Appendix B contains the details of each REMM and identifies the timing and approval details as relevant to the reporting period. Appendix C contains the complaints register for the reporting period as required by CoA C4.

2.4.2 Other Reporting

Additional reporting requirements identified in the project documents are included in Table 6. Further reporting may be necessary as works progress.

Table 6: Additional reporting requirements

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Report	Details	Frequency	Standard	Responsibility	Recipient of report
Monthly environmental report	To be incorporated into the project monthly report - to address environmental statistics (e.g. incidents, regulatory action, complaints on environmental issues), monitoring program performance, key environmental issues.	Monthly, by the 5 th Business Day of each month	D&C Deed	Environment and Sustainability Manager	WCX M5 AT; Roads and Maritime; Independent Certifier; parent companies
Environmental Representative monthly report	Report on <ul style="list-style-type: none"> the Environmental Representative's actions and decision on matters specified in CoA D1 for the preceding month of site environmental performance following routine inspections 	Monthly within seven days for the end of each month for the duration of construction of the Project, or as otherwise agreed by the Secretary	CoA D2	Environmental Representative	DP&E WCX M5 AT CDS-JV
EPL annual returns	Report on compliance with EPL #20772 and EPL #4627	Annually	EPA annual return pro forma EPL #20772 & #4627 Condition R1	Environment and Sustainability Manager	EPA
Material harm report	Written details of notification of incidents causing or threatening material harm to the environment	Within 7 days of incident causing or threatening material harm	EPL #20772 & #4627 Condition R2	Environment and Sustainability Manager	EPA, DP&E
EPA requested report	As requested by the EPA	As required by EPA	EPL #20772 & #4627 Condition R3	Environment and Sustainability Manager	EPA
Noise and vibration reports	Submit a Preliminary Investigation Report and subsequent Follow-Up Investigation Report in respect of any noise or vibration monitoring undertaken in accordance with the EPL.	As requested by EPA	EPL #20772 & #4627 Condition R4	Environment and Sustainability Manager	EPA

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2.5 Environmental auditing

Environmental audits will be conducted at regular intervals during construction of the project to ensure compliance. Internal and external environmental audits will be undertaken in accordance with AS/NZS ISO 19011.

An indicative audit schedule is included in Table 7.

Table 7: Indicative audit schedule

Audit	Details	Timing	Responsibility	Recipient of audit report
Internal audit	Compliance with approval and legal requirements, Roads and Maritime specifications, CEMP	Annually (alternate 6 monthly to the audit below)	Environment and Sustainability Manager	CDS-JV WCX M5 AT Environmental Representative
External audit	Compliance with EMS (ISO 14001) in accordance with CPB Contractors requirements	Annually (alternate 6 monthly to the audit above)	External independent auditor	CDS-JV WXC M5 AT Environmental Representative
External audit	Compliance with the CEMP in accordance with D&C Deed	Not exceeding every 5 months and 15 business days	WCX M5 AT External independent auditor	CDS-JV WCX M5 AT Independent Certifier Environmental Representative

The Proponent will undertake an independent environmental audit as required for the operational phase of the project. The details of the operational audit program would be provided to the Secretary prior to the commencement of operation.

Additional audit requirements identified in the CoA are summarised in Table 8.

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Table 8: Additional audit requirements identified in the CoA

CoA ref	Audit details	Recipient of the audit report	Where addressed
Construction phase			
B31	<p>Site Audit Statement prepared by an accredited Site Auditor if remediation is required, verifying that the disturbed area has been or can be remediated to a standard consistent with the intended land use.</p> <p>Where land is remediated, a final Site Audit Statement will be prepared by an accredited Site Auditor, certifying that the contaminated disturbed areas have been remediated to a standard consistent with the intended land use.</p>	Final Site Audit Statement to be submitted to Secretary and relevant councils prior to operation of the project.	Construction Contaminated Land Management Plan
B49	An independent Road Safety Audit(s) is to be undertaken by an appropriately qualified and experienced person during detailed design to assess the safety performance of any new or modified local road, parking, pedestrian and cycle infrastructure provided as part of the SSI	Audit findings and recommendations will be made available to the Secretary on request.	Construction Traffic Access and Management Plan
Operational phase			
E3	In tunnel air quality sampling points and visibility monitoring points established under this condition must be audited at least two months prior to commencement of monitoring. Verification and compliance auditing is to be undertaken by an independent person(s) or organisation(s) whose appointment has been approved by the Secretary.	N/A	Operational Environmental Management Plan (OEMP)
E12	Ambient air quality monitoring results must be subject to an independent audit at six-monthly intervals (or at a longer interval, if approved by the Secretary). The auditor must be approved by the Secretary in consultation with the NSW Environment Protection Authority and the project's Air Quality Community Consultative Committee (AQCCC),	The auditor's report must be directly provided to the Proponent and the AQCCC.	OEMP
E18	Ventilation outlet monitoring equipment must be independently audited prior to its commencement of monitoring. Auditing is to be undertaken by an independent person(s) or organisation(s) approved by the Secretary	N/A	OEMP
E26	Continuous emissions monitoring systems installed and operated as required by CoA E18 must undergo relative accuracy test audits at an interval not exceeding 12 months, or as otherwise agreed to by the Secretary in consultation with the EPA.	N/A	OEMP
E27	Conduct an audit of the air quality monitoring (in tunnel and external) at six-monthly intervals.	<p>All audit data will be available for inspection by the Secretary, upon request.</p> <p>A copy of the audit report must be issued to the Proponent and AQCCC.</p>	OEMP

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CoA ref	Audit details	Recipient of the audit report	Where addressed
E40	Traffic mitigation measures recommended as part of the Road Network Performance Review Plan would be subject to independent road safety audits.	N/A	OEMP
E48	Prior to the opening of the project to traffic, a full audit of the fire and life safety system as defined by the fire engineering study developed in condition E42 must be undertaken by an Accredited Fire Engineer.	The results of the audit must be submitted to FRNSW prior to opening of the project to traffic.	OEMP
E51	Within 12 months of the commencement of operation, and at any other stage required by the Secretary, the Proponent must commission an Independent Environmental Audit of the SSI.	The Proponent must submit a copy of the audit report to the Secretary and relevant public authorities, together with its response to any recommendations contained in the audit report.	OEMP

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3. Quarterly Construction Activities

3.1 Construction site activities

The following activities have occurred in the field to support construction works across the project generally:

- Geotechnical and contamination assessments
- Tree clearing / pruning
- Utility locations, modifications and connections
- Construction phase (monthly) surface water monitoring
- Noise and vibration monitoring
- Waste/materials testing and classification.

The following activities have occurred in the field at the St Peters Interchange area (including construction compounds C8-C11):

- Earthworks and paving
- Leachate, gas system and capping installation (progressive)
- Application of soil binder across stockpiles and access routes
- Operation of leachate treatment plant
- Bridgeworks
- Waste removal
- Construction of MOC5, MOC4 and cut and cover
- M&E tunnel & surface

The following activities have occurred in the field at the Arncliffe construction compound (C7):

- Operation of construction water treatment plant
- Construction of MOC3 including shafts and substation (FRP and landing pre-cast segments)
- Construction of substation
- Back end works (BEW) in main line tunnel drives

The following activities have occurred in the field at the Bexley construction compounds (C4, C5 and C6):

- Stand down of construction water treatment plant.
- Construction of MOC2 building and M&E works

The following activities have occurred in the field at the Western Surface Works and Kingsgrove construction compounds (C1, C2 and C3):

- Concrete works
- Off-site spoil removal
- General earthworks and pavement construction
- Construction works for MOC 1 building and M&E works
- Toll gantry erection

The following activities have occurred in the field at the local road upgrades construction sites:

- Service investigations, relocations and new connections
- Geotechnical and pavement investigations
- Materials classification
- Bridgeworks
- Demolition of old roads, construction of new roads, kerb & gutter, asphaltting

3.2 Construction Compliance Summary

Table 9 summarises the status of compliance against the project CoA and REMMs using the definitions provided in Section 2.1 for the preceding quarter. Further details regarding status against each CoA and REMM are provided in Appendix A and Appendix B, respectively.

There was no non-compliance during the reporting period. Refer to Appendix A for details regarding the non-compliances.

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Table 9: Compliance Summary

Status	CoA	REMM
Compliant	A1-A12, A14 (other than A14(c)(iii)), A15-A17 B1-B16, B20-B23, B26-B45, B47-B56, B57-B63(b), B65-B67, B71-B75 C1-C5 D1-D3, D4-D39, D42-D43, D45-D64, D66-D68 E10-E13, E,15, E23-E24, E28, E31-E33-E37, E41-E42, E37, E47	TT01-TT15, OpTT01, OpTT03, AQ01-AQ46, HH1, NV1-NV31, OpNV01, OpNV03, LP01-LP10, OpLP01-OpLP02, V01-V14, OpV01-OpV13, SE01-SE05, SW01-SW16, OpSW01, OpSW02, OpSW04-OpSW09, CM01-CM15, OpCM3, FD01-FD18, OpFD01-OpFD06, GW01-GW19, OpGW04, OpGW05, NAH01-NAH22, B01-B22, GHG1-GHG10, OpGHG1-OpGHG3, AH1-AH6, WM01-07, WM08-WM18, CC01-CC03, HR01-HR09, OpHR01, OpHR12, CI01, CI02
Verification	None	None
Non-compliant	None	None
Administrative non-compliance	None	None
Not triggered	A13, A14(c)(iii) B17-B19, B24- B25, B46, B63(c), B64, B68-B70 D40-D41, D44, D65 E1-E9, E14, E16-E22, E25-E27, E29-E30, E38-40, E43-E46, E48-E51	OpTT02, OpNV02, OpSW03, OpCM1, OpCM2, OpCM4, OpGW01-OpGW03, OpB01, OpWM01-OpWM03, OpHR02-OpHR11
Observation	None	None



Appendix A: Minister's Conditions of Approval

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Ref	Sub Ref	Condition of Approval	Timing/phase									Secretary's Approval Required?	Date of first submission	Date of Secretary's Approval	Compliance Status	Responsibility	Comment / evidence (Quarter 13) (24/8/19 - 22/11/19)	
			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
A1		In addition to meeting the specific performance criteria established under this approval, the Proponent must implement all feasible and reasonable measures to prevent and/or minimise any harm to the environment that may result from the construction or operation of the SSI.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	Specific performance criteria and reasonable and feasible measures have been incorporated into the Project's system documentation including the Construction Environmental Management Plan (MSN-EN-PLN-PWD-0001; CEMP). Ongoing compliance with the CEMP and other associated documents is being tracked throughout construction (and during operation where applicable) as described in the Compliance Tracking Program (CTP).
A2		The Proponent must carry out the SSI in accordance with the conditions of approval and generally in accordance with the:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	The CEMP and associated sub plans include the relevant management measures required to undertake the project in accordance with the requirements of CoA A2(a-e). The approved Compliance Tracking Program (CTP) describes how compliance is monitored and tracked. Compliance details are provided in the Quarterly Construction Compliance Reports. In accordance with the requirements of condition A14, subsequent ongoing Quarterly Compliance Reports and a Pre-Operational Compliance Report will be submitted to DP&E to provide regular updates on compliance for the project. All design packages include a compliance register for all relevant requirements, including these Conditions of Approval. Compliance checks are conducted at each stage throughout the design process against the register. Evidence of compliance is documented and described in the compliance tables included in each design report.
A2	(a)	State significant infrastructure application (SSI 6788);																
A2	(b)	New M5 Environmental Impact Statement - Volumes 1A, 1B, 1C, 2A, 2B, 2C, 2D, 2E, 2F, 2G and 2H prepared by AECOM Australia, dated November 2015;																
A2	(c)	New M5 Submissions Report - Volumes 1A, 1B and 2 prepared by AECOM Australia, dated March 2016;																
A2	(d)	WestConnex New M5 Addendum to the Submissions and Preferred Infrastructure Report - Temporary Construction Power Enabling Works prepared by RMS, dated April 2016;and																
A2	(e)	Supplementary material provided as an addendum to the New M5 Submissions and Preferred Infrastructure Report.																
A3		In the event of an inconsistency between:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	Noted and shall be implemented throughout construction of the project. Compliance with this condition is ongoing throughout the New M5 project works. Inconsistencies will be identified in the CTP and reported in the subsequent Quarterly Construction Compliance Report.
A3	(a)	the conditions of this approval and any document listed in condition A2 inclusive, the conditions of this approval will prevail to the extent of the inconsistency; and																
A3	(b)	any document listed in condition A2(a) to A2(e) inclusive, the most recent document will prevail to the extent of the inconsistency.																
A4		The Proponent must comply with any reasonable requirement(s) of the Secretary arising from the Department's assessment of:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	Noted and shall be implemented throughout construction of the project. CDS-JV will incorporate any reasonable requirements from the Secretary in relation to project documentation and systems.
A4	(a)	any reports, plans or correspondence that are submitted in accordance with this approval; and																
A4	(b)	the implementation of any actions or measures contained in these reports, plans or correspondence.																
A4A		In the event that there are differing interpretations of the terms of this approval, including in relation to a condition of this approval, the Secretary's interpretation is final.													Compliant	WCX M5 AT CDS-JV RMS	Noted.	
A5		This approval will lapse five years after the date on which it is granted, unless the works of this SSI approval are physically commenced on or before that date.	Y	N	N	N	N	N	N	N	N	Commence works covered by approval	N	N/A	N/A	Compliant	CDS-JV	Establishment works for the project commenced in July 2016. Construction works commenced in August 2016.
A6		Where requested by the Secretary, the Proponent must provide evidence as to how feasible and reasonable measures were considered and taken into account.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction Operation	N	N/A	N/A	Compliant	CDS-JV	Noted and shall be implemented throughout construction of the project. Compliance with this condition is ongoing throughout the New M5 project works. No requests have been made in relation to this condition in the reporting period.
A6		<i>Note: Community expectations must be taken into account but it is not expected that specific community consultation will be required in every instance.</i>																
A7		This approval does not apply to the establishment of ancillary facilities where establishment has been assessed in accordance with any applicable requirements of the Environmental Planning and Assessment Act 1979 and site establishment works commenced prior to commencement of construction.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Prior to the issue of planning approval	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	Noted. The establishment of ancillary facilities for the project is being undertaken in accordance with the approved AFMP (MSN-ES-PLN-PWD-0026).

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Ref	Sub Ref	Condition of Approval	Timing/phase									Secretary's Approval Required?	Date of first submission	Date of Secretary's Approval	Compliance Status	Responsibility	Comment / evidence (Quarter 13) (24/8/19 - 22/11/19)		
			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13								
A8		The Proponent must ensure that all licences, permits and approvals are obtained as required by law and maintained as required throughout the life of the SSI. No condition of this approval removes the obligation for the Proponent to obtain, renew or comply with such licences, permits or approvals.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	The CEMP identifies the legislative and other requirements of the Project, including required licences, permits and approvals. The CTP and associated compliance reports track compliance with all identified approvals. Approvals obtained to date include: • SSI Approval (SSI 6788), ie this approval, dated 20 April 2016 • Environment Protection Licence (EPL 20772) dated 17 May 2016, • Environment Protection Licence (EPL 4627) dated 20 June 2016, • EPBC Approval, dated 11 July 2016.	
A9		This approval does not apply to the operation of off-site spoil receiving locations and facilities. The receipt of spoil at these location and facilities must be undertaken in accordance with approvals or licences applying to those locations or facilities.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Tunnelling and Excavation	N	N/A	N/A	Compliant	CDS-JV	All spoil management, including approvals checks for receiving sites, will be undertaken in accordance with the Project Spoil Management Plan, as required by CoA D51. The Spoil Management Plan was approved by DP&E on 23/11/2016 (refer CoA D51) prior to commencement of tunnelling activities.	
A10		The Proponent may elect to construct and/or operate the SSI in stages. Where staging is proposed, the Proponent must submit a Staging Report to the Secretary prior to the commencement of each proposed stage. The Staging Report must provide details of:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction	N	24/06/2016	N/A	Compliant	WCX M5 AT CDS-JV RMS	The Proponent has notified the Secretary that they intend to stage the project, by way of the Staging Report (Revision 3, dated 22/12/2016). The first stage commenced in July 2016 and included site establishment of construction compounds (C1 – C11) and installation of HV power to construction compounds; the second stage commenced in August 2016 and includes continuation of establishment activities as well as surface construction activities; the third stage commenced in November 2016 and includes tunnelling activities; the fourth stage commenced in January 2017 and includes the local roads upgrades. The major stages are further broken down into substages as described in the Staging Report. The Staging Report identifies how each condition applies to each of the stages and how each condition will be complied with during the applicable stages.	
A10	(a)	how the SSI would be staged, including general details of work activities associated with each stage and the general timing of when each stage would commence; and																	
A10	(b)	details of the relevant conditions of approval, which would apply to each stage and how these will be complied with across and between the stages of the SSI.																	
A10		Where staging of the SSI is proposed, these conditions of approval are only required to be complied with at the relevant time and to the extent that they are relevant to the specific stage(s).																	
A11		The Proponent must ensure that any strategy, plan, program, or other document, required by the conditions of this approval is submitted to the Secretary no later than one month prior to the commencement of construction or of the relevant stage(s), if the SSI is to be staged, (as identified in the Staging Report), unless otherwise agreed by the Secretary. While any strategy, plan or program may be submitted on a progressive basis, the Proponent will need to ensure that the activities on site are covered by relevant and suitable strategies, plans or programs at all times; and If the submission of any strategy, plan or program is to be staged, then the relevant strategy, plan or program must clearly describe the specific stage to which the strategy, plan or program applies, the relationship of this stage to any future stages, and the trigger for updating the strategy, plan or program.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	Noted. The Staging Report (Revision 3, dated 22/12/2016) identifies where any strategy, plan or program is being staged and the triggers for submissions and/or updates. The Staging Report also identifies the stages to which each condition applies.	

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			1A: CI-C3	1B: CA-C11	1C: HV Power	2A: CI-C3	2B: CA-C6	2C: C7	2D: CR-C11	3 (Tunnels)	4: CI2-C13							
A12		The Proponent will be responsible for any breaches of the conditions of approval resulting from the actions of all persons that it invites onto the site, including contractors, sub-contractors and visitors.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction	N	N/A	N/A	Compliant	CDS-JV	All CDS-JV employees, subcontractors and visitors are required to attend project inductions, training and awareness sessions in accordance with Element 7 of the CEMP. Ongoing and regular inspections, monitoring and audits of works associated with the project are being undertaken in accordance with Element 12 of the CEMP to verify compliance with all approvals, legal and other requirements. All non-compliances with the conditions of approval have been notified, investigated, and reported in accordance with the relevant conditions during the reporting period.
A13		In the event of a dispute between the Proponent and another public authority in relation to an applicable requirement in this approval, either party may refer the matter to the Secretary for resolution. The Secretary's determination of any such dispute will be final and binding on the parties unless further statutory approval is required.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction Operation	N	N/A	N/A	Not yet triggered	WCX M5 AT CDS-JV RMS	Disputes will be managed in accordance with the Community Communications Strategy (M5N-CS-PLN-PWD-0008) and this condition. No disputes which require DP&E resolution have occurred during the reporting period.
A14		The Proponent must prepare and implement a Compliance Tracking Program to track compliance with the requirements of this approval. The Compliance Tracking Program must be submitted to the Secretary for approval prior to the commencement of construction and operate for a minimum of 24 months following commencement of operation, subject to the Secretary's review of the outcomes of the Independent Environmental Audit Report required by condition E51. The operation of the program may be extended if the Secretary determines that there has been unsatisfactory compliance. The Compliance Tracking Program must include, but not be limited to:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction Operation	Y	8/06/2016	25/07/2016	Compliant	CDS-JV WCX M5 AT RMS	The Compliance Tracking Program (CTP; M5N-ES-PRG-PWD-0002) has been approved by DP&E (25/07/2016) to track compliance with the conditions of approval and other project requirements and will operate for a minimum of 24 months following commencement of operation. Notification was provided to the Secretary for commencement of construction as follows:
A14	(a)	provision for the notification of the Secretary prior to the commencement of construction and prior to the commencement of operation of the SSI (including prior to each stage, where works are being staged);	N	N	N	Y	N	N	N	Y	N		N	24/08/2016	N/A	Compliant	CDS-JV WCX M5 AT RMS	- Stage 2(b) & 2(c) activities (commencement at Bexley and Arncliffe) on 24/08/2016 via Teambinder correspondence WCXSTAG2-CDSJV-DPE-GEN-000059 (letter ref: A14202726); - Stage 2(a) activities (commencement at Kingsgrove) on 1/09/2016 via email correspondence to Karen Harragon (letter ref: A14289870); - Stage 2(d) activities (commencement at St Peters Interchange) on 1/09/2016 via email correspondence to Karen Harragon (letter ref: A14315600);
A14	(b)	provision for periodic review of the compliance status of the SSI against the requirements of this approval and the environmental management measures committed to in the document referred to in condition A2(c);	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	- Stage 3 activities (commencement of tunnelling) on 29/11/2016 via email to Karen Harragon; - Stage 4 activities (commencement of local roads upgrades) on 22/12/2016 via email to Karen Harragon (letter ref: A15598506).
A14	(c)	provision for periodic reporting of compliance status to the Secretary, including but not limited to –											N	17/06/2016	N/A	Compliant	WCX M5 AT CDS-JV RMS	
A14	(c)	(i) a Pre-Construction Compliance Report prior to the commencement of construction;	Y	Y	Y	N	N	N	N	N	N		N	30/01/2017	N/A	Compliant	CDS-JV WCX M5 AT RMS	The Pre-construction Compliance Report was submitted to DP&E on 17/06/2016.
A14	(c)	(ii) quarterly Construction Compliance Reports, for the duration of construction, and	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	Not yet submitted	N/A	Not yet triggered	WCX M5 AT CDS-JV RMS	The Quarterly Construction Compliance Reports provide a summary of compliance with all project requirements throughout the construction period.
A14	(c)	a Pre-Operation Compliance Report prior to the commencement of operation; and six monthly operational compliance reports	N	N	N	N	N	N	N	Y	N		N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	
A14	(d)	a program for independent environmental auditing in accordance with AS/NZS ISO 19011:2014 - Guidelines for Auditing Management Systems;	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	
A14	(e)	mechanisms for recording environmental incidents during construction and actions taken in response to those incidents;	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	
A14	(f)	provision for reporting environmental incidents to the Secretary during construction, in accordance with conditions A15 and A16;	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
A14	(g)	procedures for rectifying any non-compliance identified during environmental auditing, review of compliance or incident management; and	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	
A14	(h)	provision for ensuring all employees, contractors and sub-contractors are aware of, and comply with, the conditions of this approval relevant to their respective activities	Y	Y	Y	Y	Y	Y	Y	Y	Y		N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	
A15		The Proponent must notify the EPA in relation to any pollution incident in carrying out the SSI as required by the Protection of the Environment Operations Act 1997. The Proponent must provide the Secretary with a record of any such notification.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	This condition will continue to be complied with, where required in accordance with the EPL (EPL 20772 & EPL 4627), the Incident Management Plan (MSN-HS-PLN-PWD-003) and the POEO Act. This requirement is detailed in Element 9 of the CEMP. There were no EPA notifiable pollution events (reported to EPA Pollution Prevention Line) during the reporting period.
A16		The Proponent must notify the Secretary (using the contact name and phone number notified by the Department from time to time) of any incident (other than those relating to the Protection of the Environment Operations Act 1997) with actual, or potential, significant off-site impacts on people or the biophysical environment immediately of becoming aware of the incident on weekdays, or the following business day on weekends, public holidays and site shutdown. The Proponent must provide full written details of the incident to the Secretary within seven days of the date on which the incident occurred.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	No incidents (other than those relating to the POEO Act) with actual, or potential, significant off-site impacts on people or the biophysical environment occurred during the reporting period.
A17		The Proponent must meet the requirements of the Secretary or relevant public authority (as determined by the Secretary) to address the cause or impact of any incident, as it relates to this approval.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-Construction Construction Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	There were no EPA notifiable pollution events (reported to EPA Pollution Prevention Line) during the reporting period.
B1		The ventilation outlets must be constructed at the locations specified in Appendices A, B and C.	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	Detailed design for the ventilation outlets is progressing and outlets will be constructed in accordance with this Condition. Issued for Construction (IFC) Design was achieved in February 2018.
B2		Unless otherwise approved by the Secretary, the ventilation outlets must be constructed at an approximate height of:	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	Detailed design for the ventilation outlets is complete and outlets will be constructed in accordance with this Condition.
B2	(a)	the Kingsgrove ventilation outlet: RL 53 metres (AHD) being a height of 30 metres above the ground in the location shown in Figure 1 in Appendix A;	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	(a) Kingsgrove Ventilation Outlet IFC Design was achieved in February 2018
B2	(b)	the Arncliffe ventilation outlet: RL 39 metres (AHD) being a height of 35 metres above the ground in the location shown in Figure 2 in Appendix B; and	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	(b) Arncliffe Ventilation Outlet IFC Design was achieved in February 2018
B2	(c)	the St Peters ventilation outlet: RL 25.5 metres (AHD) being a height of 20 metres above the ground in the location shown in Figure 3 in Appendix C.	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	(c) St Peters Ventilation Outlet IFC Design was achieved in February 2018
																	Details of compliance against this CoA is provided in the compliance tables included in each design report.	

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
B3		The ventilation outlet exit plane must have a minimum exit velocity or variable velocity, as detailed in the WestConnex New M5 Air Quality Assessment Report (RMS, 2015) (a component of the documents listed in condition A2), to be determined in the Tunnel Ventilation, Incident Response and Traffic Management Systems Integration Protocol required under condition B7. This is unless an equivalent or better environmental outcome than presented in the Proponent's most up to date air assessment can be demonstrated to the Secretary, in consultation with the EPA.	N	N	N	N	N	N	N	Y	N	Detailed Design	N	N/A	N/A	Compliant	CDS-JV	The Tunnel Ventilation System Final Design Report was achieved in February 2018 and is consistent with this requirement. Details of compliance against this CoA is provided in the compliance tables included in each design report.
B4		The tunnel ventilation system must be designed, constructed and operated to only release emissions from the ventilation outlets referred to in condition B2, and to avoid emissions from the portals and/or the emergency smoke extraction facilities at Bexley and Arncliffe. Emissions from the emergency smoke extraction facilities are excepted for emergency smoke management purposes in the event of a fire in the tunnel and periodic testing of the system as defined in the Operation Environmental Management Plan required under condition E31(g).	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV WCX M5 AT	The Tunnel Ventilation System Final Design Report was achieved in February 2018 and is consistent with this requirement. Details of compliance against this CoA is provided in the compliance tables included in each design report.
B5		The tunnel must be designed and constructed so as to allow for future modification of the ventilation system if required. The Proponent must submit a report to the Secretary demonstrating how this will be allowed for prior to finalising detailed design	N	N	N	N	N	N	N	Y	N	Construction	N	Not yet submitted	N/A	Compliant	CDS-JV	The Tunnel Ventilation System Final Design Report was achieved in February 2018 and is consistent with this requirement. Details of compliance against this CoA is provided in the compliance tables included in each design report.
B6		The Proponent must install ventilation outlet emission sampling points and associated safe access thereto, during construction of the ventilation outlet. The sampling points must be designed and located in accordance with the Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales (EPA, 2007, or as updated), or an equivalent methodology approved by the Secretary in consultation with the EPA.	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	The tunnel shall be designed and constructed so as to allow for sampling of the ventilation system. The relevant design reports have been issued to the EPA. Installation of emission sampling points (to be approved by AQCCC) will be reported on in the relevant quarterly compliance report. Details of compliance against this CoA is provided in the compliance tables included in each design report and are confirmed during independent certification.
B7	B7	Prior to operation, the Proponent must prepare and implement a Tunnel Ventilation, Incident Response and Traffic Management Systems Integration Protocol in consultation with the Transport Management Centre. The Tunnel Ventilation, Incident Response and Traffic Management Systems Integration Protocol must be reviewed by a suitably qualified and experienced independent ventilation specialist to confirm that, before the tunnel is open to traffic, the ventilation/traffic management systems would operate together to ensure that the conditions of this approval are met. The Protocol should include a commissioning procedure to be completed before the tunnel is opened to traffic. The Protocol must be submitted to the Secretary for approval at least six months prior to the operation of the SSI. <i>Note: Tunnel ventilation design and operation, incident response triggers and procedures, and traffic management, should be fully integrated in accordance with the primary objective of ensuring the safety of motorists in the tunnel.</i>	N	N	N	N	N	N	N	Y	N	Prior to operation	Y	Not yet submitted	Not yet approved	Compliant	CDS-JV	The initial Incident / Traffic Management Planning workshop for WestConnex M4 East and New M5 occurred on 1/03/2017 with the Emergency Services representatives. The incident management procedures were developed further in parallel to the completion of the design. The outcomes of this form the basis of the system configuration and the Protocol required to be delivered by this condition.
B8		Prior to operation, the Proponent must install permanent signage at each tunnel entrance and use variable messaging signage provided at regular intervals throughout the tunnel to instruct tunnel users to close windows and turn on recirculated air. Relevant information about this instruction is to be provided on a website, operated by the Proponent, which is maintained throughout operation of the SSI.	N	N	N	N	N	N	N	Y	N	Prior to operation	N	N/A	N/A	Compliant	CDS-JV WCX M5 AT	Driver Advisory ITS Signage Design will be certified by the IC. Signage will be specified and installed in accordance with this Condition. Compliance with this condition will be reported on in the pre-operation compliance report.
B9	B9 (a) B9	Prior to finalising the detailed design of the SSI and establishing the ambient air quality monitoring stations required under condition E10 the Proponent must establish an Air Quality Community Consultative Committee (AQCCC) to provide input prior to and during the operation of the SSI. The AQCCC must: (a) be comprised of - (i) two representatives from the Proponent and tunnel operator;	N	N	N	Y	Y	Y	Y	Y	Y	During design	Y	N/A	N/A	Compliant	WCX M5 AT CDS-JV RMS	The Air Quality Community Consultative Committee (AQCCC) has been established, with community representatives appointed through an expression of interest (EOI) process. Details of the EOI process were provided to DPE on 9/6/17 June, which included details of the appointment of the independent chair. Details of the full AQCCC membership

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B9		(ii) one representative from each of the relevant councils, whose attendance is only required when considering matters relevant to their respective local government area;															following completion of the EOI process was provided to the Department on 8/9/17.	
B9		(iii) three representatives from the local community adjacent to the St Peters ventilation facility or three representatives from the local community adjacent to the Kingsgrove ventilation facility or three representatives adjacent to the Arncliffe ventilation facility whose attendance is only required when considering matters relevant to their respective local area, and whose appointment has been approved by an expression of interest process conducted by the Proponent in consultation with the Secretary, and																
B9		a Chair who is an independent party put forward by the Proponent and approved by the Secretary;																
B9	(b)	meet at least four times a year, or as otherwise agreed by the chair and the Secretary;																
B9	(c)	review and provide advice on the location of the air quality monitoring stations required under condition E10, operation environmental management plans and other operation stage documents, compliance tracking reporting, audit reports, or complaints as they relate to air quality; and																
B9	(d)	provide advice on the dissemination of monitoring results and other information on air quality issues																
B9		The AQCCC must operate for up to two years after commencement of operation, or as otherwise approved or directed by the Secretary, in consultation with the Chair.																
B10		The Proponent must offset the entire community of the Environmental Protection and Biodiversity Conservation Act 1999 listed Cooks River/Castlereagh Ironbark Forest Critically Endangered Ecological Community located at the site adjacent to Rosebank Avenue between Beverly Grove and Canterbury Golf Course. Construction works involving impacts to the listed community must not commence until the offsets required have been fully identified and evidence provided that they should be achievable. All ecosystem credits proposed to provide biodiversity offsets for this community must be generated by native vegetation meeting the definition of this ecological community under the Environment Protection and Biodiversity Conservation Act 1999. Calculation of the credits required for that part of the community not directly impacted by the project (approximately 0.4 hectares) is to be calculated using a pro-rata assessment (i.e. approximate 0.4 hectares divided by area of community directly impacted).	N	N	N	Y	N	N	N	N	N	Construction	N	N/A	N/A	Compliant	CDS-JV	A Biodiversity Offset Package has been developed generally in accordance with the Biodiversity Offset Strategy included in Appendix T of the EIS. The entire Cooks River/Castlereagh Ironbark Forest Critically Endangered Ecological Community (approximately 1.8 hectares) will be offset, in accordance with this condition. This is described in Section 6.4 of the approved Construction Flora and Fauna Management Plan (M5N-ES-PLN-PWD-0007).
B11		The Proponent must offset impacts to the Paperbark Swamp Forest and Green and Golden Bell Frog in accordance with the requirements of the Framework for Biodiversity Assessment.	N	N	N	N	N	Y	N	N	N	Construction	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV	Impacts to the Paperbark Swamp Forest and Green and Golden Bell Frog will be offset in accordance with the methodology outlined in the Biodiversity Offset Strategy included in Appendix T of the EIS, which is in accordance with the Framework for Biodiversity Assessment. This will be detailed in the Biodiversity Offset Package in accordance with condition B13. Note: On 13 October 2016 biodiversity credits for the Paperbark Swamp Forest and Green & Golden Bell Frog were secured. As required by the biobanking scheme, the credits were retired on 22 December 2016 to complete the offset. A copy of the credit retirement report was submitted to both the Secretary and Department of Environment and Energy (DEE) on 20 January 2017 as required by Condition B13

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B12		The Proponent must prepare a report which details the progress made towards securing the offsets described in the Biodiversity Offset Strategy presented in the document referred to in condition A2(b) and required by conditions B10 and B11. The report must be submitted to the Secretary for approval prior to the commencement of any works that may impact on the vegetation communities and Green and Golden Bell Frog and its habitat.	N	N	N	Y	N	Y	N	N	N	Construction	Y	11/05/2016	31/05/2016	Compliant	WCX M5 AT CDS-JV	On 13 October 2016 biodiversity credits for the Green & Golden Bell Frog (and Paperbark Swamp Forest) were secured. As required by the biobanking scheme, the credits were retired on 22 December 2016 to complete the offset. A copy of the credit retirement report was submitted to both the Secretary and Department of Environment and Energy (DEE) on 20 January 2017 as required by Condition B13
B13		Within 12 months of the commencement of construction, unless otherwise agreed by the Secretary, the Proponent must develop and submit to the Secretary for approval, a Biodiversity Offset Package. The Package must be prepared in consultation with OEH and DoE and confirm how the impacts of the SSI will be offset. The Package must be consistent with the biodiversity offset strategy requirements of the NSW Biodiversity Offsets Policy for Major Projects (OEH, 2014). The Package must include, but not necessarily be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Detailed Design, Operation	Y	Not yet submitted	Not yet approved	Compliant	WCX M5 AT CDS-JV	A Biodiversity Offset Package has been prepared in consultation with OEH and DoE. The Package has been prepared in accordance with the Biodiversity Offset Strategy outlined in Appendix T of the EIS. Total offsets for the Cooks River/Castlereagh Ironbark Forest Critically Endangered Ecological Community will also be developed in accordance with condition B10. The Package is required to be submitted to DP&E within 12 months of the commencement of construction, ie prior to 24/08/2017.
B13	(a)	identification of the number of biodiversity credits required to offset the impacts of the SSI;																
B13	(b)	details on the biodiversity credits identified to offset the impacts of the SSI and evidence that they can be attained and secured in accordance with the NSW Biodiversity Offsets Policy for Major Projects; and																The Biodiversity Offset Package was formally submitted to DPE on 6th December 2017.
B13	(c)	for offsets not secured through the retirement of biodiversity credits, details on the supplementary measures that would be implemented to offset the residual impacts, in accordance with Appendix B of the NSW Biodiversity Offsets Policy for Major Projects and the Framework for Biodiversity Assessment (OEH, 2014).																A request for an extension of time (to March 31st 2019) in relation to securing of offsets for the Castlereagh Iron Bark forest was submitted to DPE on 19th June 2018 and subsequently granted on 27th July 2018. The extension was requested as the offsets would not be secured within 2 years of the commencement of construction. A further extension was requested on 19th March 2019 as OEH had not registered the credits until November 2018 and CDSJV were still in negotiations with landholders. The extension request was granted until 27th September 2019. A further extension was requested on 23rd September 2019 until 27th March 2020 as negotiations were still ongoing with relevant landowners.
B13		All required offsets must be secured within two years of the commencement of construction unless otherwise agreed by the Secretary, in consultation with the OEH and DoE. The Proponent must submit to the Secretary and DoE a copy of the credit retirement report issued by the OEH once the offsets are secured, within one month of receiving the report.																
B13		Should supplementary measures be proposed, the Package must also provide details on:																
B13	(a)	the management and monitoring requirements for compensatory habitat works and other biodiversity offset measures proposed to ensure the outcomes of the package are achieved, including:																A copy of the credit retirement report was provided to DPIE on 6/12/2019.
B13	(i)	the monitoring of condition of species and the ecological communities at offset (including translocation) locations,																
B13	(ii)	the methodology for the monitoring program(s), including the number and location of offset monitoring sites, and the sampling frequency at these sites;																DPIE acknowledged in a letter dated 20/12/2019 that all the requirements of B13 had been met.
B13	(iii)	provisions for the annual reporting of the monitoring results to the Department, OEH and DoE and the public for a set period of time, as determined in consultation with OEH and DoE;																
B13		timing and responsibilities for the implementation of the supplementary measures; and																
B13	(b)	processes and/or measures that would be implemented to ensure that any land offsets are protected and managed in perpetuity.																
B13		The supplementary measures must be implemented by the Proponent according to the timeframes set out in the Biodiversity Offset Package, unless otherwise agreed by the Secretary.																

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B14		The Proponent must prepare and submit to the Secretary for approval an updated Green and Golden Bell Frog Plan of Management for the Arncliffe population of Green and Golden Bell Frog prior to commencing construction at the Arncliffe construction compound. The Plan must be developed from the Green and Golden Bell Frog Management Plan presented in the document referred to in condition A2(b), by a suitably qualified and experienced frog specialist, in consultation with OEH. The updated Plan must include, but not necessarily be limited to:	N	N	N	N	N	Y	N	N	N	Pre-construction Construction	Y	9/05/2016	17/05/2016	Compliant	WCX M5 AT	The updated POM was submitted to DPE on 28 September 2017 with comments received on 5/12/17 and 31/1/18. A revised POM (Rev 22) was submitted to DPE on 11/6/18 and subsequently approved on 18/9/18.
B14	(a)	an adaptive monitoring program to assess the effectiveness of the construction and operational mitigation measures and ongoing survival of the Arncliffe population at the Kogarah Golf Course. The monitoring program must –																
B14	(i)	detail the monitoring that would be undertaken during construction to ascertain the effectiveness of the on-site management and mitigation measures at limiting impacts on the Green and Golden Bell Frogs, NSW Government Department of Planning and Environment																
B14	(ii)	include provision for ongoing monitoring of the Arncliffe population during operation of the SSI until such time as the use and effectiveness of the proposed mitigation measures can be demonstrated to have been achieved over a minimum of three generations of frogs, unless otherwise agreed by the Secretary in consultation with OEH																
B14	(iii)	nominate the performance criteria against which the ongoing survival of the Arncliffe population at the Kogarah Golf Course will be measured during construction and operation of the SSI, and the timing and responsibilities for monitoring during construction and operation,																
B14	(iv)	include goals and performance indicators to measure the effectiveness of the mitigation measures that are specific, measurable, achievable, realistic and timely (SMART),																
B14	(v)	provide details of contingency measures and corrective actions that would be implemented in the event of reductions in population numbers, habitat usage and distribution and movement of the Green and Golden Bell Frog, and																
B14	(b)	address densities, distribution and habitat use;																
B14	(c)	evidence of consultation with the OEH and how its comments have been addressed in the updated Plan;																
B14	(d)	mechanisms for the ongoing monitoring, review and amendment of this Plan; and																
B14	(e)	mechanisms for annual reporting of the monitoring results to the Secretary and publication of the annual report on the Proponent's website.																
B14		The Green and Golden Bell Frog Management Plan must be implemented.																
B15		The Proponent must prepare and submit to the Secretary for approval within three months of the commencement of construction of the SSI, unless otherwise agreed by the Secretary, an updated Habitat Creation and Captive Breeding Plan. The Plan must be developed from the Habitat Creation and Captive Breeding Plan - Green and Golden Bell Frog at Arncliffe presented in the document referred to in condition A2(c), by a suitably qualified and experienced frog specialist, in consultation with OEH. The updated Plan must include, but not necessarily be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Construction	Y	20/08/2016	Not yet approved	Compliant	WCX M5 AT	The updated HCCBP was submitted to DPE on 28 September 2017. The updated HCCBP was approved by DPE on 1 November 2017. No change in the status of the HCCBP in the reporting period. The Marsh Street frog habitat was completed in the week ending 27/4/18. The first batch of frogs were released on 11/2/19 with subsequent releases occurring over the following 4 weeks.
B15	(a)	an adaptive monitoring program to assess the success of the habitat creation and survival and breeding of the released Green and Golden Bell Frog population at the created Marsh Street habitat area. The monitoring program must include –																
B15	(i)	details on the monitoring that would be undertaken to ascertain the effectiveness of the breeding plan, colonisation of the Marsh Street habitat and connectivity with the Kogarah Golf Course;																
B15	(ii)	provision for ongoing monitoring of the Green and Golden Bell Frog population, including densities, distribution and habitat use;																
B15	(iii)	the performance criteria against which the ongoing survival of the frog population will be measured;																

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B15		(iv) performance indicators that are specific, measurable, achievable, realistic and timely (SMART);															
B15		(v) details on the timing and responsibilities for monitoring, and details of contingency measures and corrective actions that would be implemented in the event of reductions in population numbers, habitat usage and distribution and movement of the Green and Golden Bell Frog;															
B15	(b)	details on the husbandry protocols that would be implemented including the experts involved and facility that would conduct the captive breeding program;															
B15	(c)	adherence to the Guidelines for minimising disease risks associated with captive breeding, raising and restocking programs for Australian frogs (Murray et al, 2011);															
B15	(d)	processes to ensure that frogs are also available for release at the breeding ponds at the Kogarah Golf Course in the event that the existing population becomes extinct;															
B15	(e)	detailed disease and predator protocols for the released frogs;															
B15	(f)	processes for certifying that imported landscaping materials are disease free;															
B15	(g)	ongoing maintenance and management procedures for the Marsh Street habitat and Green and Golden Bell Frog Population, including timing and responsibilities; and															
B15	(h)	evidence of consultation with the OEH and how its comments have been addressed in the updated Plan;															
B15	(i)	responsibilities for the timing and implementation of the Plan;															
B15	(j)	mechanisms for the ongoing monitoring, review and amendment of this Plan; and															
B15	(k)	mechanisms for annual reporting of the monitoring results to the Secretary and publication of the annual report on the Proponent's website.															
B15		The Habitat Creation and Captive Breeding Program must be implemented and the Marsh Street habitat area established within 12 months of the commencement of construction, unless otherwise agreed by the Secretary.															
B16		Where the results of monitoring undertaken in accordance with condition B14(i) indicates that the implemented mitigation measures at the Kogarah Golf Course are ineffective or adverse changes to the population have occurred, the Proponent must provide the Secretary, within one month of recording the changes, notification of the adverse changes and details of the corrective actions/management measures that are proposed to be implemented. The corrective actions/management measures must be developed in consultation with the OEH.	N	N	N	N	N	Y	N	Y	N	Construction	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV
B16		For the purpose of this condition, an 'adverse change' means an observed change in the abundance, growth or structure of the Arncliffe population of Green and Golden Bell Frogs. This includes, but is not limited to:															
B16	(a)	a decrease in the overall abundance of Green and Golden Bell Frogs in the Arncliffe population;															
B16	(b)	a shift in the population structure, such as a proportional decrease in the number of sexually mature males or females;															
B16	(c)	a change in the population growth, such as the documented loss of cohorts of adults and/or juveniles from the [Arncliffe] population; and/or															
B16	(d)	an increase in the occurrence of a known threat to the survival of individuals of this species at each life stage, including but not limited to the presence of Plague Minnow (Gambusia affinis) and/or Chytrid Fungus (Phylum chytridiomycota).															
B17		If, after 12 months, the corrective actions/mitigation measures are shown to be unsuccessful, the Proponent must submit to the Secretary, for approval, a further offset for the impacts to that part of the Arncliffe population occurring at the Kogarah Golf Course. The approved offset must be in place within 12 months of the Secretary's approval, unless otherwise agreed by the Secretary. The offset must require the retirement of Green and Golden Bell Frog species credits calculated in accordance with the Framework for Biodiversity Assessment, from a BioBanking agreement that includes a breeding site for this species.	N	N	N	N	N	Y	N	Y	N	Construction & Operation if triggered	Y	N/A	N/A	Not yet triggered	WCX M5 AT

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B18		In the event that the existing Arncliffe population at the Kogarah Golf Course becomes extinct, in addition to the additional offset requirements of condition B17, the Proponent must prepare and implement a program for the release of Green and Golden Bell Frogs from the captive breeding program (undertaken in accordance with condition B15) into the Kogarah Golf Course. The release program must be developed in consultation with the OEH and submitted to the Secretary for approval within 12 months of the local extinction being recorded and before the frogs are released. The release program must be implemented.	N	N	N	N	N	Y	N	Y	N	Construction & Operation if triggered	Y	N/A	N/A	Not yet triggered	WCX M5 AT	A program for the release of Green and Golden Bell Frogs will be developed as required by this condition should the existing population become extinct.
B19		In the event that the release of Green and Golden Bell Frogs from the captive breeding program is unsuccessful, the Proponent must investigate translocation from an alternate population. Any translocation would require licensing under the National Parks and Wildlife Act 1974.	N	N	N	N	N	Y	N	Y	N	Construction, operation	N	N/A	N/A	Not yet triggered	WCX M5 AT	Options for translocation will be investigated should the release of Green and Golden Bell Frogs required in the case of condition B18 be unsuccessful.
B20		Except as may be provided by an EPL, the SSI must be constructed and operated to comply with section 120 of the Protection of the Environment Operations Act 1997, which prohibits the pollution of waters.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction, construction	N	N/A	N/A	Compliant	CDS-JV	The project is being designed and constructed to avoid water pollution. A Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005) has been approved as part of the CEMP and is being implemented for construction. The CSWQSP includes environmental measures to control and manage construction water (Section 7). All discharges to waterways are required to be in accordance with the Manage Soil and Water Procedure (M5N-ES-PRC-PWD-0035) and the Water Quality Plan & Monitoring Program (M5N-ES-PLN-PWD-0027) to meet the requirements of the project EPLs (#20772 and #4627).
B21		All activities taking place in, on or under waterfront land, as defined in the Water Management Act 2000 should be conducted generally in accordance with the Guidelines for Controlled Activities on Waterfront Land (DPI, 2012).	Y	Y	Y	Y	Y	N	N	Y	Y	Pre-construction, construction	N	N/A	N/A	Compliant	CDS-JV	This requirement has been addressed in detailed design and Sections 5.7 and 7.1 of the approved CSWQSP (M5N-ES-PLN-PWD-0005) and the approved Construction Flora and Fauna Sub-plan (CFFSP; M5N-ES-PLN-PWD-0007). Compliance with this condition and the requirements of the CSWQSP and CFFSP are monitored through regular inspection and audit. No non-compliances have occurred for this condition in the reporting period.
B22		Watercourse crossings, including temporary work platforms, waterway crossings and/or coffer dams, where feasible and reasonable, must be consistent with the NSW Guidelines for Controlled Activities Watercourse Crossings (DPI, 2012), Why do Fish Need to Cross the Road? Fish Passage Requirements for Waterway Crossings (Fairfull and Witheridge, 2003), Policy and Guidelines for Fish Friendly Waterway Crossings (NSW Fisheries February, 2004), and Policy and Guidelines for Fish Habitat Conservation and Management (DPI Fisheries, 2013). Where multiple cell culverts are proposed for crossings of fish habitat streams, at least one cell must be provided for fish passage, with an invert or bed level that mimics watercourse flows.	N	N	N	Y	Y	Y	Y	N	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement has been addressed in detailed design and Sections 5.7 and 7.1 of the approved CSWQSP (M5N-ES-PLN-PWD-0005). Watercourse crossings will be installed across Alexandra Canal and the McDonaalstown Stormwater Channel at Munni Street, both part of the Local Roads upgrade works. Drainage works will also impact on Alexandra Canal and Wolli Creek at Kingsgrove. Any proposed watercourse crossings, work platforms, temporary crossings or coffer dams will be designed in accordance with the referenced documents. No construction works that trigger this condition have commenced in the reporting period. Compliance with this condition will be reported in subsequent quarterly compliance reports.

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B23		A Flood Mitigation Strategy must be prepared and implemented in respect of the flood prone land and overland flow paths for the waterways and catchments in the vicinity of the SSI. The Flood Mitigation Strategy must be designed to ensure that the SSI, where feasible and reasonable, does not worsen existing flooding characteristics in the vicinity of the SSI during construction and operation. The Flood Mitigation Strategy must include but not be limited to:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Prior to commencement of works which have been identified in the documents listed in condition A2(b) and A2(c) as potentially increasing flood levels or as otherwise agreed by the Secretary	N	25/05/2016	N/A	Compliant	CDS-JV	Flood modelling reports have recently been updated due to some new and ongoing design changes which have necessitated some re-modelling. Both Stage 1 (Compounds) and Stage 2 (Operational) FMS were submitted for peer review in October 2019 with expected submission to DPE in March 2020.
B23	(a)	the identification of flood risks to the SSI and adjoining areas, including further modelling and the consideration of local drainage catchment assessments, and climate change implications on rainfall and drainage characteristics. This must consider blockages of waterway structures from floating debris in its flood level modelling;																	
B23	(b)	a floor level survey to verify whether inundation would be above the floor levels of residential, commercial and/or industrial buildings;																	
B23	(c)	the identification of design and mitigation measures that would be implemented to protect proposed operations;																	
B23	(d)	not worsen existing flooding characteristics within and in the vicinity of the SSI boundary during construction and operation, including soil erosion and scouring;																	
B23	(e)	consideration of limiting flooding characteristics to the following levels:																	
B23	(i)	a maximum increase in inundation time of one hour in a 1 in 100 year ARI rainfall event;																	
B23	(ii)	a maximum increase of 10 mm in inundation at properties where floor levels are currently exceeded in a 1 in 100 year ARI rainfall event;																	
B23	(iii)	a maximum increase of 50 mm in inundation at properties where floor levels would not be exceeded in a 1 in 100 year ARI rainfall event; and																	
B23	(iv)	no inundation of floor levels which are currently not inundated in a 1 in 100 year ARI rainfall event,																	
B23		or else provide alternative flood mitigation solutions consistent with the intent of these limits;																	
B23	(f)	the processes and actions committed to in the mitigation measures referred to in conditions A2(b) and A2(c);																	
B23	(g)	the identification of measures to be implemented to minimise scour and dissipate energy at locations where flood velocities are predicted to increase as a result of the SSI and cause localised soil erosion or scour;																	
B23	(h)	reconsideration of the proposed flood storage along Marsh Street with the intent of incorporating the flood storage requirements of the SSI into the proposed flood storage for the Cooks Cove development																	
B23	(i)	identification of drainage system upgrades including those upgrades considered as mitigation measures and identified during the processes outlined in condition B29; and																	
B23	(j)	identification of the timing and maintenance responsibility of any necessary works.																	
B23		The Flood Mitigation Strategy must be prepared by a suitably qualified and experienced person in consultation with directly affected landowners, Sydney Water, OEH, and relevant councils.																	
B23		The Flood Mitigation Strategy must be peer reviewed and confirmed as meeting the requirements of this condition by a suitably qualified and experienced independent hydrological engineer.																	
B23		The Flood Mitigation Strategy must be submitted to the Secretary and the relevant council(s) prior to the commencement of works which have been identified in the documents listed in condition A2(b) and A2(c) as potentially increasing flood levels, or as otherwise agreed by the Secretary																	

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B24		All relevant information must be provided to the relevant council and/or NSW State Emergency Service, to assist in the preparation of any new or necessary update(s) to the relevant plans and documents in relation to flooding, to reflect changes in flooding levels, flows and characteristics as a result of the SSI.	N	N	N	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Not yet triggered	CDS-JV	Once finalised, the Flood Mitigation Strategy and relevant flood information will be provided to the NSW State Emergency Service and the following councils: <ul style="list-style-type: none"> • City of Sydney, • Georges River Council, • Inner West Council, • City of Botany Bay Council, • Rockdale City Council, • Canterbury-Bankstown City Council.
B25		Unless otherwise agreed by the Secretary, a Flood Review Report(s) must be prepared within three months after the first defined flood event for any of the following flood magnitudes – the 5 year ARI event, 20 year ARI event, 100 year ARI event and probable maximum flood - to assess the actual flood impact against those predicted in Appendix P of the document referred to in condition A2(b). The Flood Review Report(s) must be prepared by an appropriately qualified person(s) and include:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Subsequent to first defined flood	N	Not yet submitted	N/A	Not yet triggered	CDS-JV	This requirement relates to post-construction flood impacts and will therefore be reported in the relevant operational compliance report subsequent to the identified flood event.
B25	(a)	identification of the properties and infrastructure affected by flooding during the reportable event;																
B25	(b)	a comparison of the actual extent, level, velocity and duration of the flooding event against the impacts predicted in Appendix P of the document referred to in condition A2(b), or as otherwise altered by the Flood Mitigation Strategy; and																
B25	(c)	where the actual extent and level of flooding exceeds the predicted level with the consequent effect of adversely impacting of property(ies), structures and infrastructure, identification of the measures to be implemented to reduce future impacts of flooding related to the SSI works including the timing and responsibilities for implementation.																
B25		Flood mitigation measures must be developed in consultation with the affected property/structure/infrastructure owners, OEH and the relevant council.																
B25		A copy of the Flood Mitigation Report(s) must be submitted to the Secretary and relevant council(s) within one month of finalising the report(s).																
B26		The Proponent must take all feasible and reasonable measures to limit operational groundwater inflows into each tunnel to no greater than one litre per second across any given kilometre.	N	N	N	N	N	N	N	Y	N	Prior to finalisation of tunnel design Operation	N	N/A	N/A	Compliant	CDS-JV	Feasible and reasonable measures to limit operational groundwater inflows have been addressed in the following reports: <ul style="list-style-type: none"> - Tunnel Water Resisting Lining Systems - Tunnel Groundwater Control Systems - Tunnel Ground Improvement Grouting.
B27		The Proponent must undertake further modelling of groundwater drawdown, tunnel inflows and saline water migration prior to finalising the design of the tunnel and undertaking any works that would impact on groundwater flows or levels. The modelling must be undertaken in consultation with DPI (Water) and include the results of at least 12 months of current baseline groundwater monitoring data. The results of the modelling must be documented in a Groundwater Modelling Report. The Groundwater Modelling Report must be finalised in accordance with the Australian Groundwater Modelling Guidelines (National Water Commission, 2012) and prepared in consultation with DPI (Water). The Groundwater Modelling Report must include, but not be limited to:	N	N	N	N	N	N	N	Y	N	Prior to finalisation of tunnel design	N	3/02/2017	N/A	Compliant	CDS-JV	This condition is addressed in the Hydrogeological Design Report M5N-GOL-DRT-100-200-GT-1525. Comments received from DPI Water in September 2016 were addressed in Rev K of the report, issued in October 2016. The final report was submitted to DP&E 3/02/2017. Comments have been received from DP&E and the report has been updated and resubmitted to DP&E and DPI Water on 4/05/2017. Further comments from DP&E were received on 10/5/17 with a response provided 30/5/17. Letter received from DPI on 28/6/17 advising that DPI is satisfied with the Groundwater Modelling Report.
B27	(a)	justification for layer choice;																
B27	(b)	specification of matrix hydraulic and storage parameters for each layer																
B27	(c)	statistical evaluation of the model's calibration;																
B27	(d)	details of the groundwater monitoring data inputs (levels and quality);																

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B27	(e)	details of the proposed groundwater model update and validation as additional data is collected;															
B27	(f)	assessment of impacts of groundwater drawdown, taking into consideration the NSW Aquifer Interference Policy (DPI, 2012), including potential impacts on licensed bores and groundwater dependent ecosystems;															
B27	(g)	a comparison of the results with the modelling results detailed in the document referred to in condition A2(b); and															
B27	(h)	documentation of any additional measures that would be implemented to manage and/or mitigate groundwater impacts not previously identified or identified but at a smaller scale.															
B27		A copy of the Groundwater Modelling Report must be submitted to the Secretary prior to finalising the tunnel design. The Groundwater Modelling Report must include details of consultation with DPI (Water)															
B28		A Water Quality Plan and Monitoring Program must be prepared and implemented to monitor and avoid or mitigate impacts on surface and groundwater quality and resources, during construction and operation. The Water Quality Plan and Monitoring Program must be developed in consultation with DPI (Water), Sydney Water and relevant councils, and must include, but not be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Prior to construction	Y	8/06/2016	3/08/2016	Compliant	CDS-JV
B28	(a)	identification of works and activities during construction and operation of the SSI, including tunnel discharge, runoff, emergencies and spill events, that have the potential to impact on groundwater quality, levels or potentiometric pressure (in confined aquifers), and surface water quality of potentially affected watercourses and riparian land;															
B28	(b)	a risk management framework for evaluation of the risks to groundwater and surface water resources and dependent ecosystems as a result of groundwater inflows to the tunnels or discharges to surface water receiving environments, including definition of trigger values for contingency and ameliorative measures;															
B28	(c)	the identification of environmental management measures that would be implemented to manage impacts to surface waters and groundwater during construction and operation, including water treatment, erosion and sediment control and stormwater management measures consistent with Water Sensitive Urban Design measures, where relevant, and consistent with the measures detailed in the documents listed in conditions A2(b) and A2(c);															
B28	(d)	details of construction water treatment plants and the operational water treatment plants, including treatment processes, discharge water quality criteria (taking into consideration any water uses and proposed rehabilitation measures downstream of the discharge locations), discharge locations and rates (and justification for their location), treatment capacity, and any proposed on-site storage of flows;															
B28	(e)	commitment to designing discharge points into watercourses affected by the SSI to emulate a natural stream system, where feasible and reasonable, or where emulation cannot be achieved, adequate scour protection measures are to be implemented;															
B28	(f)	consideration of any naturalisation or rehabilitation programs occurring upstream or downstream of waterways or drainage lines intersected by the SSI, including the Wollli Creek Riparian Corridor Management Plan;															
B28	(g)	the presentation of water quality objectives, standards, environmental values and parameters against which any changes to water quality will be assessed, based on the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (Agriculture and Resource Management Council of Australia and New Zealand and the Australian and New Zealand Environment and Conservation Council, 2000). Where alternate guidelines are used to establish water quality objectives (including the levels for protection of aquatic ecosystems in receiving waters), justification for this must be provided. In particular, justification must be provided for the classification of waterways as 'highly disturbed' versus 'slightly to moderately disturbed' receiving environments;															

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B28	(h)	details on the current water quality, including at least 12 months of representative background monitoring data (including but not limited to representative data collected by the relevant councils, agencies and organisations where readily available) for surface and groundwater quality, levels and potentiometric pressures (in confined aquifers), to establish baseline water conditions prior to the commencement of construction;														
B28	(i)	monitoring of the quality of discharges from construction and operational water treatment plants;														
B28	(j)	identification of construction and operational phase surface water and groundwater monitoring locations including watercourses and waterbodies which are representative of the potential extent of impacts from the SSI, including the relevant analytes and frequency of monitoring;														
B28	(k)	groundwater monitoring must be able to demonstrate that groundwater discharge quality is consistent with supporting the water quality objectives defined in accordance with B28(g) and include, but not be limited to -														
B28	(i)	sites in the vicinity of Bardwell Park (to confirm groundwater quality),														
B28	(ii)	inside and outside the cut-off wall at the Alexandria Landfill,														
B28	(iii)	monitoring of groundwater levels at Stotts Reserve, southern bank of Wolli Creek behind the Wolli Creek station and forested areas along Bardwell Creek to ascertain potential impacts on groundwater dependent ecosystems, and														
B28	(iv)	monitoring of drawdown along the alignment of the tunnels;														
B28	(l)	details on the condition and status of licensed bores likely to be impacted by the SSI;														
B28	(m)	commitment to a minimum monitoring period of three years following the completion of construction or until the affected waterways and/or groundwater resources are certified by a suitably qualified and experienced independent expert as being rehabilitated to an acceptable condition, unless otherwise approved or directed by the Secretary. The monitoring must also confirm the establishment of operational water control measures (such as sedimentation basins and vegetation swales);														
B28	(n)	details of how the potential impact of discharges on receiving waters would be avoided or minimised, including design and operational measures incorporated into the SSI to protect water quality and, where feasible and reasonable, enhance water quality over time;														
B28	(o)	contingency and ameliorative measures in the event that adverse impacts to water quality or groundwater flows, levels or potentiometric pressures (in confined aquifers) are identified, with reference to the impact triggers defined in accordance with B28(b);														
B28	(p)	identification of and commitment to 'make good' provisions for groundwater users to be implemented in the event of a decline in water supply levels, quality and quantity from existing bores associated with groundwater changes from either construction and/or ongoing operational dewatering caused by the SSI;														
B28	(q)	procedures for monitoring of streambed fracturing;														
B28	(r)	procedures for monitoring and annual reporting of extracted groundwater volumes to DPI (Water) for a minimum monitoring period of three years following completion of construction, unless otherwise approved or directed by the Secretary; and														
B28	(s)	procedures for annual reporting of the monitoring results to the Secretary, DPI (Water), and the relevant councils.														
B28		The Water Quality Plan and Monitoring Program must be submitted to the Secretary for approval prior to the commencement of construction of the SSI, unless otherwise agreed by the Secretary. A copy of the Water Quality Plan and Monitoring Program must be submitted to the DPI (Water), Sydney Water and relevant councils prior to its implementation.														

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			1A: CI-C3	1B: CA-C11	1C: HV Power	2A: CI-C3	2B: CA-C6	2C: C7	2D: CA-C11	3 (Tunnels)	4: CI2-C13								
B28		Nothing in this condition prevents the Proponent from preparing separate Water Quality and Monitoring Programs for the construction and operational stages of the SSI. Where a separate Water Quality and Monitoring Program is prepared for the operation of the SSI, this must be submitted to the Secretary for approval at least six months prior to the commencement of operation of the SSI.																	
B29		The Proponent must undertake further hydrological and hydraulic modelling based on the detailed design of the SSI to determine the ability of the receiving drainage systems to effectively convey pavement drainage from the SSI once operational. The modelling must be undertaken in consultation with the relevant council(s) and the outcomes documented in a Stormwater Drainage Report. The Stormwater Drainage Report must:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Prior to drainage works	N	Not yet submitted	N/A	Compliant	CDS-JV	<p>The Stormwater Drainage Report has been developed in consultation with Sydney Water and the relevant Councils.</p> <p>The Stormwater Drainage Report was submitted to DP&E on 12/05/2017, prior to the commencement of the relevant new or modified operational drainage works.</p> <p>Flood modelling reports are currently being updated due to new and ongoing design changes which have necessitated some re-modelling. This will allow the Stormwater Drainage Report to be updated and submitted to DPE for approval in March 2020.</p>	
B29	(a)	confirm the location, size and capacity of all drainage basin structures associated with the operation of the SSI;																	
B29	(b)	assess the potential impacts of pavement drainage discharges from the SSI drainage systems on the receiving environment including the hydrology (water quality and quantity) of receiving waterways, riparian vegetation, aquatic ecology and property;																	
B29	(c)	identify all feasible and reasonable mitigation measures to be implemented where pavement drainage from the SSI drainage systems is predicted to adversely impact on the receiving environment;																	
B29	(d)	where pavement drainage from the SSI flows to a council stormwater drainage system, confirm the location of the cross drainage point and, where available, use drainage information obtained from the relevant council, to –																	
B29	(d)	(i) confirm the capacity of the council's drainage system and its ability to receive and convey the flows,																	
B29	(d)	(ii) identify any consequent upstream and downstream impacts on cross drainage infrastructure capacity,																	
B29	(d)	(iii) assess the 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																	
B29	(d)	identify all feasible and reasonable mitigation measures to be implemented where increased flows through cross drainage systems adversely impact on council drainage infrastructure and the receiving environment; and																	
B29	(e)	set out a clear time frame for the implementation of mitigation measures.																	
B29		The Stormwater Drainage Report must be submitted to the Secretary prior to the commencement of any new operational drainage works, modifications to existing stormwater drainage works, or construction of hard surfaces associated with the operation of the SSI that would result in runoff to existing or new stormwater drainage systems, unless otherwise agreed by the Secretary.																	
B30		The Proponent must prepare a Water Reuse Strategy which sets out feasible and reasonable options for the reuse of collected stormwater and groundwater during construction and operation of the SSI. The Water Reuse Strategy must include, but not be limited to:	N	N	N	N	N	N	N	Y	N	Prior to tunnelling works	Y	15/09/2016	3/11/2016	Compliant	CDS-JV	<p>The Water Reuse Strategy is being prepared in 2 stages, ie for construction and operation.</p> <p>The Water Reuse Strategy for construction has been conditionally approved by DP&E on 3/11/2016. An updated Strategy was submitted to DP&E on 24/11/2016 to address the conditions. The Strategy was updated in September 2017 to address opportunities for water reuse at the Local Roads construction compounds/sites and the use of treated groundwater, via WTP's, for tunnelling activities.</p> <p>An updated Strategy was submitted to DPE on 16/2/18. The updated Strategy included a memo (draft memo was provided to the ER in both December 2017 and January 2018 for review / comment) detailing the investigation undertaken by the Project into the potential re-use of groundwater in 2017 to</p>	
B30	(a)	evaluation of all feasible and reasonable reuse options;																	
B30	(b)	details on the preferred reuse option(s), including volumes of water to be reuse, proposed reuse locations and/or activities, proposed treatment (if required), and any additional licences or approvals that may be required; and																	
B30	(c)	a time frame for the implementation of the preferred reuse option(s).																	
B30		Justification must be provided in the event that it is concluded that no feasible or reasonable reuse options prevail.																	
B30		A copy of the Water Reuse Strategy must be submitted to the Secretary for approval prior to commencement of tunnelling works.																	

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B30		Nothing in this condition prevents the Proponent from preparing separate Water Reuse Strategies for the construction and operational phases of the SSI. Where a separate Strategy is prepared for the operation of the SSI, this must be submitted to the Secretary for approval at least six months prior to the commencement of operation of the SSI.																		satisfy the requirements of the reasonable and feasible test. The operational phase Water Reuse Strategy was submitted to DPE for final approval on 16/09/2019. DPIE have requested that the Operational Strategy be re-submitted once the EPL for the Operational water treatment plant has been granted.
B31		Prior to the commencement of any activities that would result in the disturbance of land and/or soil, or as otherwise agreed by the Secretary, in areas identified as having a moderate to high risk of contamination, a Soil Contamination Report must be prepared by a suitably qualified person(s) in accordance with the requirements of the Contaminated Land Management Act 1997 and associated guidelines, detailing the outcomes of Phase 2 contamination investigations within these areas. The Soil Contamination Report must detail, where relevant, whether the land is suitable (for the intended land use) or can be made suitable through remediation and/or outline the potential contamination risks from the SSI to human health and receiving waterways.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction	N	N/A	N/A	Compliant	CDS-JV		Soil Contamination Reports are being progressively completed for the project in accordance with the Contaminated Land Management Act 1997 and associated guidelines to meet the requirements of condition B31. Compounds and other construction sites identified as having a medium to high risk of contamination are identified in Appendix B of the Construction Contaminated Land Management Plan.	
B31		For land to be disturbed by the SSI, where the investigations identify that the site is suitable for the intended operations and that there is no need for a specific remediation strategy, measures to identify, handle and manage potential contaminated soils, materials and groundwater must be identified in the Soil Contamination Report and incorporated into the Construction Environmental Management Plan, unless otherwise agreed by the Secretary. Should a remediation strategy be required, the Soil Contamination Report must include a Remediation Action Plan for addressing the disturbed area, and how the environmental and human health risks will be managed during the disturbance, remediation and/or removal of contaminated soil or groundwater.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction	N	N/A	N/A	Compliant	CDS-JV		Soil Contamination Reports (for Phase 2 site investigations) have been prepared for the following sites: - Construction compounds (C1-C4, C7, C8 and C11), - St Peters Interchange, various sites, - Local Road upgrades, various sites.	
B31		If remediation is required, the Soil Contamination Report must be accompanied by a Site Audit Statement(s), prepared by an accredited Site Auditor under the Contaminated Land Management Act 1997, verifying that the disturbed area has been or can be remediated to a standard consistent with the intended land use. Where land is remediated, a final Site Audit Statement(s) must be prepared by an accredited Site Auditor, certifying that the contaminated disturbed areas have been remediated to a standard consistent with the intended land use. The final Site Audit Statement must be submitted to the Secretary and relevant councils prior to operation of the SSI, unless otherwise agreed to by the Secretary.	?	Y	?	?	?	?	Y	?	?	Pre-operation	N	Not yet submitted	N/A	Compliant	CDS-JV		Where remediation is required Remediation Action Plans (RAP) are also being prepared prior to commencement of works that would disturb the land/soil to be remediated. RAPs are being reviewed to produce site audit statements by both Chris Jewell and Rod Harwood, accredited site auditors. RAPs have been prepared for the following sites: - Alexandria Landfill - 25-29 Burrows Rd, St Peters - 32-34 Burrows Rd, St Peters - 33 Burrows Rd and 53-57 Campbell Rd, St Peters - 197 Euston Rd, Alexandria - 566-590 Gardneres Road, Mascot - Kingsgrove Construction Compound. No ground is being disturbed until Soil Contamination Reports are complete and where required RAPs are complete. Note: Site Audit Statement(s) (SAS) are issued by the Site Auditor once works have been completed. No SAS have been issued to date.	
B32		The Proponent must submit a copy of the final Landfill Closure Management Plan to the Secretary prior to the commencement of any closure or construction works at Lot 2 DP 1168612, 10-16 Albert Street, St Peters (the Alexandria Landfill). The Plan must be accompanied by a statement which sets out where the following have been addressed in the Landfill Closure Management Plan:	N	Y	N	N	N	N	Y	Y	N	Pre-Construction	N	2/06/2016	N/A	Compliant	CDS-JV		A Landfill Closure Management Plan has been prepared by Golder Associates Pty Ltd. The plan was reviewed and endorsed by the EPA on 27 May 2016. The Plan and required statement was submitted to DPE on 2 June 2016.	
B32	(a)	the environmental and monitoring framework to be implemented following the cessation of waste disposal and material recycling activities at the Alexandria Landfill and associated waste recycling and transfer facility;																	An update to the plan was provided to DPE on 11/8/17 to include an Odour Management Protocol as directed by DPE via letter dated 13/7/17.	
B32	(b)	existing operational consents and approvals for use of the site as a waste storage and recycling facility;																	An Addendum to the The Landfill Closure Management Plan was provided to EPA on 19/6/18. The Addendum provided information relevant to the Stage 3 Interface Worksite.	
B32	(c)	the proposed future use of the site;																		
B32	(d)	the closure and stabilisation of the site including details of final capping designs and future landform;																		
B32	(e)	a groundwater monitoring bore network, to monitor the movement of groundwater within and immediately outside the cut-off wall;																		
B32	(f)	material tracking;																		

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B32	(g)	occupational health and safety requirements;																
B32	(h)	community engagement processes;																
B32	(i)	specific measures for the management, monitoring and reporting of;																
B32	(i)	(i) dust and odour;																
B32	(i)	(ii) asbestos;																
B32	(i)	(iii) leachate and gases;																
B32		stormwater; and																
B32	(j)	any outstanding clean-up notices, and																
B32	(k)	evidence that the EPA has reviewed the Landfill Closure Management Plan and has no outstanding concerns.																
B32		Where any of the above details have not been included in the final Landfill Closure Management Plan, then the Proponent must provide the details in the statement accompanying the plan required by this condition.																
B33		The Proponent must not destroy, modify or otherwise physically affect any heritage items, including human remains, outside of the SSI footprint. This approval does not allow the Proponent to harm, modify, or otherwise impact human remains uncovered during the construction and operation of the SSI.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	Measures to prevent damage to heritage items have been incorporated into Section 6 of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006). These include: • heritage items to be shown on Site Environment Plans (SEPs), • delineation of heritage items/areas on site, • avoiding or monitoring use of vibratory equipment in proximity to heritage items • training/awareness of unexpected heritage finds procedure. Measures identified in the Construction Heritage Sub-Plan are being implemented.
B34		The Proponent must salvage sections of the laminated timber from the Rudders Bond Store prior to demolition of the building and assess options for its reuse within the project area at St Peters and maximise its use within the operational facilities. The sections to be salvaged must be determined in consultation with the Heritage Council of NSW (or its delegate). The Proponent must submit to the Secretary written advice from the Heritage Council of NSW that it is satisfied with the proposed level of salvage, prior to the building being demolished.	N	N	N	N	N	N	Y	N	N	Construction	Y	20/09/2016	N/A	Compliant	CDS-JV	This requirement is addressed in Section 6.2 of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006). The OEH as delegate of the Heritage Council of NSW has been consulted in regards to salvage requirements (information provided for review 2/08/2016). OEH have provided their satisfaction with the approach outlined for salvage and reuse of items from the Rudders Bond Store for the project (letter ref: SF15/43038, dated 19/09/2016). A copy of this letter was submitted to DP&E on 20/09/2016. Demolition / deconstruction works were completed as of May 2017. Ten whole beams have been salvaged to date for re-use on the project. A further 6 beams have been salvaged for City of Sydney. Items to be reused within the project area at St Peters will be incorporated into the Urban Design and Landscape Plan.

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B35		The Proponent must salvage items and materials from heritage items as advised by an independent heritage consultant. The list of items and materials to be salvaged must be developed in consultation with the relevant council(s) and submitted to the Secretary for consideration prior to demolition of any heritage items. How the items are reused in the project is to be detailed in the Urban Design and Landscape Plan required by condition B61. Any residual items and materials are to be made available, through a process to be developed by the Proponent in consultation with the relevant council(s), to property owners within the locality from where the material originated.	N	N	N	N	N	N	Y	N	Y	Pre-construction Construction	Y	8/11/2016	8/12/2016; 22/12/2016	Compliant	CDS-JV	The requirement to salvage heritage items/materials is addressed in Section 6.2 and Appendix B of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006). Reuse of items will be described in the Urban Design and Landscape Plan. Salvage reports have been developed in consultation with Inner West Council for 28-44 & 82 Campbell St St Peters. These reports have been considered by DPE. Materials from these properties have been salvaged in accordance with the salvage reports. Work is progressing to incorporate salvaged items into the Urban Design and Landscape Plan. A process has previously been developed and enacted in consultation with Inner West Council to distribute residual items to property owners within the locality.
B36		Except for necessary stabilisation or maintenance works agreed in consultation with the Secretary, the Proponent must not destroy, modify or otherwise physically affect the Service Garage located at 316 Princes Highway, St Peters	N	Y	Y	N	N	N	Y	N	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	The property is being protected from indirect damage through the measures outlined in Section 6 and Appendix B of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006), including no-go zone fencing and vibration monitoring as required.
B37		Identified impacts to heritage items and heritage conservation areas must be minimised through both detailed design and construction. The measures for ensuring this are to be detailed in the Construction Heritage Management Plan required by condition D68(c).	N	N	N	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement has been addressed through detailed design and is also addressed in Section 6.2 and Appendix B of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006). All impacts on heritage items and conservation areas have been avoided where possible in both the construction and operational footprint and design.
B38		Prior to conducting acoustic treatment at any heritage items in accordance with this approval, the Proponent must obtain and implement the advice of an appropriately qualified and experienced heritage expert to ensure such work is carried out in a manner sympathetic to the heritage values of the item.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement is addressed in Section 6 and Appendix B of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006).
B39		Any buildings or structures identified as potential heritage items in the documents listed in conditions A2(b) and A2(c) or identified during detailed design or construction of the SSI, must be dealt with as though they are a locally listed heritage item.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction	N	N/A	N/A	Compliant	CDS-JV	There were no additional buildings or structures identified as potential heritage items during the reporting period.
B40	(a)	The Proponent must prepare a Heritage Interpretation Plan which identifies and interprets the key heritage values and stories of heritage items and heritage conservation areas impacted by the SSI. The Heritage Interpretation Plan must include, but not be limited to: a discussion of the key interpretive themes, stories and messages proposed to interpret the history and significance of the affected heritage items and sections of heritage conservation areas including, but not limited to, St Peters Brickpit Geological site, the Alexandra Canal, Terraces at 28-44 and 82 Campbell Street and the Rudders Bond Store; and	N	N	N	N	N	N	Y	N	Y	Construction	N	Not yet submitted	N/A	Compliant	CDS-JV	This requirement is addressed in Section 6 of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006). Preliminary work has commenced on the Heritage Interpretation Plan (HIP) and it will be submitted to the relevant councils and agencies as required. The HIP will include as a minimum: - St Peters Brickpit Geological Site - Alexandra Canal - Terraces at 28-44 and 82 Campbell Street - Rudders Bond Store - Dynamo Service Garage - Clemton Park Urban Conservation Area - Pallamanna Parade Urban Conservation Area
B40	(b)	identification and confirmation of interpretive initiatives implemented to mitigate impacts to archaeological relics, heritage items and conservation areas affected by the SSI.																The HIP was finalised and issued to Heritage Council of NSW, Inner West Council and City of Sydney for consultation on 1/08/19. The HIP was submitted for approval to DPE on 16/09/2019.

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B40		The Heritage Interpretation Plan must be prepared in consultation with the NSW Heritage Council and the relevant local councils. A copy of the Plan must be provided to the NSW Heritage Council, the relevant local councils and the Secretary at least six months prior to the operation of the SSI.																
B41		The Proponent must compile photographic records of those parts of the Alexandra Canal to be impacted by the construction of stormwater drainage works both prior to and post the works being undertaken. The photographs taken prior to the works must be included in the Construction Heritage Management Plan required under condition D68(c) and referred to when reinstating the bricks of the canal embankment to ensure that they are correctly replaced. The pre- and post-works photographs must be made available to the Heritage Council of NSW and the Secretary on request.	N	N	N	N	N	N	N	N	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement is addressed in Section 6.2 of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006). Photographic records will be obtained prior to any impact from drainage works on Alexandra Canal. These records will be included in an update to the Construction Heritage Sub-Plan once obtained. Subsequent records will also be obtained as required to ensure appropriate reinstatement. A photographic survey has been undertaken of the canal banking and has been included in the Construction Heritage Management Plan.
B42		The Proponent shall appoint an appropriately qualified and experienced heritage expert to oversee the removal and reinstatement of sections of the embankment wall of the Alexandra Canal affected by the construction of stormwater drainage points.	N	N	N	N	N	N	N	N	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement is addressed in Section 6.2 of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006). The project's heritage specialists, Extent Heritage have been engaged to provide advice and oversight of works affecting Alexandra Canal.
B43	(a)	The SSI is to be designed with the objective of improving, on balance, and not adversely impacting on: the performance of the road network for all road users, including but not limited to vehicles, freight, public transport and active transport; and	Y	Y	Y	Y	Y	Y	Y	Y	Y	Design	N	N/A	N/A	Compliant	WCX M5 AT	Detailed design is being undertaken in consideration of all Conditions of Approval, including the requirement to improve existing traffic performance and access arrangements. The road performance standards for the project have been nominated by WCX M5 AT and CDS-JV is designing the project in accordance with these standards. Access arrangements are captured in the local road and property adjustment documentation which comply with this requirement. Details of compliance against this CoA is provided in the compliance tables included in each design report and are confirmed during independent certification.
B43	(b)	existing access arrangements and services for all road users, including consideration of speed and reliability of public transport services.																
B44		The SSI must be designed to not preclude delivery of the King Street Gateway Project. Consultation with the relevant council(s) must be undertaken during detailed design of the SSI to facilitate integration of the two projects. Current traffic modelling and assessment, and the result of the Road Network Performance Review Plan as required in condition E40 where applicable, must be provided to the relevant authority and used in the development of the King Street Gateway Project.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Design	N	N/A	N/A	Compliant	WCX M5 AT	TfNSW met with Councils to discuss the final concept design plans for King Street Gateway Project on 27 April and 2 May 2017. Councils and TfNSW have endorsed the Concept Design layouts for the King Street Gateway. Consultation with Councils is ongoing in relation to the detailed design. The Road Network Performance Review Plan (M5N-CDS-MNP-100-100-MG-1865) will incorporate and report on the requirements of this condition including consultation with relevant councils.
B45		Where bus stops are required to be temporarily closed during construction, such closure must not occur until:	N	N	N	Y	Y	Y	Y	N	Y	Design	N	N/A	N/A	Compliant	CDS-JV	A bus stop along Euston Road Northbound south of Maddox Street has been relocated north of Maddox Street. This Bus Stop relocation is part of long term plan for Euston Road stage 1 B approved under a Traffic management plan. In addition the Bus Stop along Euston Road Southbound, north of Maddox Street was temporarily closed for two weeks with alternative bus stop within 400m was proposed. Consultation and approval were conducted in liaison with Transport for NSW.
B45	(a)	for bus stops identified for relocation in the documents referred to in condition A2(b), relocated bus stops are functioning, have similar capacity and are relocated within a 400 metre walking distance of the existing bus stop (where feasible and reasonable); or																
B45	(b)	for bus stops identified for temporary removal in the documents referred to in condition A2(b), bus stops are identified that are within a 400 metre walking distance of the removed bus stop (where feasible and reasonable), have comparable capacity, and are on the same route and in the same direction of the closed bus stop.																

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B45		Where temporary closures of bus stops are required (including relocation or removal), adequate wayfinding signage shall be provided directing commuters to adjacent or relocated bus stops. Any closures or alterations to bus stops during construction are to be undertaken in consultation with Transport for NSW.																
B46		All bus stops temporarily removed or relocated during construction of the SSI must be reinstated in a manner that provides equal or improved capacity and accessibility in consultation with Transport for NSW and relevant councils prior to the commencement of operation of the SSI	N	N	N	Y	Y	Y	Y	N	Y	Prior to operation	N	N/A	N/A	Not yet triggered	CDS-JV	Reinstatement of bus stops will be undertaken in consultation with Transport for NSW and the relevant council in accordance with this condition. This requirement is addressed in Section 6 of the Construction Traffic and Access Sub Plan (M5N-ES-PLN-PWD-0006).
B47		To improve pedestrian and cycle accessibility, road lane widths, associated medians and intersection geometry are to be minimised, where feasible and reasonable, without compromising safety	Y	Y	Y	Y	Y	Y	Y	Y	Y	Design	N	N/A	N/A	Compliant	WCX M5 AT	Road Geometry Design Reports and the Road Design Criteria Report take this condition into consideration for optimising road alignments. Area Shared Path (Footpaths, Bicycle Paths) Design Reports further identify accessibility. Road alignment design reports are finalised and shared use path design reports were being finalised at the time of reporting. Details of compliance against this CoA is provided in the compliance tables included in each design report and are confirmed during independent certification.
B48		In relation to new or modified local road, parking, pedestrian and cycle infrastructure, the SSI (including ancillary facilities) must be designed to meet relevant design, engineering and safety guidelines, including Austroads Guide to Traffic Engineering Practice	Y	Y	Y	Y	Y	Y	Y	Y	Y	Design	N	N/A	N/A	Compliant	CDS-JV	TfNSW are reviewing the detailed design packages for the project. Design reports for each package or road geometry design address engineering and safety guidelines, including Austroads Guide to Traffic Engineering Practice, with consideration of impacts to the existing and future demand, road and pedestrian safety and traffic. Details of compliance against this CoA is provided in the compliance tables included in each design report and are confirmed during independent certification.
B49		An independent Road Safety Audit(s) is to be undertaken by an appropriately qualified and experienced person during detailed design to assess the safety performance of any new or modified local road, parking, pedestrian and cycle infrastructure provided as part of the SSI (including ancillary facilities) to ensure that they meet the requirements of relevant design, engineering and safety guidelines, including Austroads Guide to Traffic Engineering Practice. Audit findings and recommendations must be actioned prior to construction of the relevant infrastructure and must be made available to the Secretary on request.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Design	N	N/A	N/A	Compliant	CDS-JV	There were twelve audits undertaken during the reporting period as follows: 1. Burrows Rd stage 2 and Princes Hwy stage 2C – post opening 20/08/19 2. Euston Rd stage 3- desktop audit 28/08/19 3. Euston Rd stage 1.5 – post opening 20/08/19 4. Campbell Rd stage 3 – desktop audit 25/09/19 5. M5 stage 6 switch- desktop audit 17/09/19 6. M5 stage 6 switch- post opening audit 11/10/19 7. M5 stage 7 switch- desktop audit 16/10/19 8. Euston Rd stage 3 – Post opening audit 21/10/19 9. Local Roads west preopening- desktop audit 31/10/19 10. Euston Rd and Sydney Park Rd stage3 -post opening 25/11/19 11. Campbell St stage 4- desk top audit 21/11/19 12. Campbell Rd/St stage 3 – post opening 07/12/19
B50		The Proponent must undertake a Pedestrian and Cycleway Network Review. The Review must be prepared and approved by the Secretary within six months from the date of this approval (or as otherwise agreed by the Secretary) to identify pedestrian and cycle facilities that are to be provided by the Proponent as part of the SSI. The Review must be prepared by a suitably qualified and experienced person(s) that has been approved by the Secretary. The Review must be undertaken in consultation with the relevant councils and Bicycle NSW and address the matters raised during consultation. The Review must identify (and consider), but not be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Design	Y	Not yet submitted	Not yet approved	Compliant	WCX M5 AT	The revised Pedestrian and Cycleway Review was approved by DPE on 23 June 2017.

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B50	(a)	current and future land use and associated pedestrian and cycle demand and needs;																	
B50	(b)	pedestrian and cycle impacts associated with the project;																	
B50	(c)	the King Street Gateway Project, including potential Princes Highway traffic calming initiatives;																	
B50	(d)	Alexander Canal initiatives;																	
B50	(e)	regional and local pedestrian and cycling strategies;																	
B50	(f)	pedestrian and cycle safety, accessibility and connectivity, including the public realm;																	
B50	(g)	Intersection and signal phasing opportunities to reduce waiting and crossing times for pedestrians and cyclists;																	
B50	(h)	provision of upgraded cycle and pedestrian facilities within 1,000 metres of the boundary of the St Peters Interchange, apart from the areas addressed in conditions B62(c) and B64; and																	
B50	(i)	concept designs for pedestrian and cycleway infrastructure and implementation timeframes																	
B50		The Review is also to consider the delivery of the 'M5 East Green Link' between Kingsgrove and Mascot approved as part of the M5 East Motorway project. The review shall address past constraints to the delivery of this project and options to overcome these constraints.																	
B50		The Review must not result in a reduced level of cycle and pedestrian infrastructure as identified in the documents referred to in condition A2, unless required by these conditions.																	
B51		A detailed Pedestrian and Cycle Implementation Strategy must be submitted to the Secretary within 12 months of the date of this approval (or as otherwise agreed by the Secretary) and implemented at the commencement of project operations, except as permitted by this approval. The strategy must be prepared in consultation with relevant councils and Bicycle NSW. The Strategy must be consistent with the approved Pedestrian and Cycleway Network Review and include:	N	N	N	Y	Y	Y	Y	Y	Y	Design Operation	Y	N/A	Not yet approved	Compliant	WCX M5 AT	The Pedestrian and Cycle Implementation Strategy was submitted by TfNSW to DPE for approval on 22 September 2017. An updated version (Rev 12) of the Strategy was provided to DPE on 23 August 2018. Subsequently Rev 13 was submitted to DPE on 29 October 2018 following consultation with City of Sydney and Inner West Council. TfNSW is awaiting approval of the plan by DPE.	
B51	(a)	pedestrian and cycle engineering and safety standards;																	
B51	(b)	a safety audit of existing and proposed pedestrian and cycle facilities to address the above standards (including the shared path audit undertaken for the King Georges Road Interchange Project SSI-6547);																	
B51	(c)	details of selected routes and connections to existing local and regional routes;																	
B51	(d)	timing and staging of all works;																	
B51	(e)	infrastructure details including lighting, safety, security and standards compliance;																	
B51	(f)	signage and wayfinding measures; and																	
B51	(g)	details of associated landscaping works																	
B51		The Strategy shall be endorsed by a suitably qualified and experienced person(s) approved by the Secretary. The endorsement shall address each of the listed matters in this condition.																	
B51		All identified works arising from this condition are to be implemented by the Proponent.																	
B52		Waste generated outside the site must not be received at the site for storage, treatment, processing, reprocessing, or disposal on the site, except as expressly permitted by a licence or waste exemption under the Protection of the Environment Operations Act 1997, if such a licence is required in relation to that waste.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement is addressed in Section 6 of the Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008). No waste has been received at project sites during the reporting period. Compliance monitoring of this condition will be ongoing during Construction.	
B53		The reuse and/or recycling of waste materials generated on site must be maximised as far as practicable, to minimise the need for treatment or disposal of those materials off site.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement is addressed in Sections 1.2 and 6 of the Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008). The project continues to investigate further opportunities to reduce waste and maximise recycling.	

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B54		All liquid and/or non-liquid waste generated on the site must be assessed and classified in accordance with Waste Classification Guidelines (DECCW, 2009) or any superseding documents.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement is addressed in Section 6 of Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008) and the Manage Waste Procedure (M5N-ES-PRC-PWD-0044). This process has been implemented throughout the reporting period.
B55		All waste materials removed from the SSI site must only be directed to a waste management facility or premises lawfully permitted to accept the materials.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement is addressed in Section 6 of Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008) and the Manage Waste Procedure (M5N-ES-PRC-PWD-0044). This process has been implemented throughout the reporting period.
B56		The handling of spoil generated during construction of the SSI is to be conducted in accordance with the Spoil Management Plan required under condition D51.	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement is addressed in the Spoil Management Plan (M5N-PM-PLN-PWD-0002-08). Revision 8 of the Spoil Management Plan was provided to DP&E on 21/3/18 which addresses the requirements of the conditional approval of the Plan, provided by DP&E dated 23/11/2016 and relevant updates. Tracking of spoil transport and disposal is being undertaken in accordance with the Construction Waste and Resource Sub-plan (M5N-ES-PLN-PWD-0008) and the Spoil Management Plan.	
B57		Utilities, services and other infrastructure potentially affected by construction and operation must be identified prior to construction to determine requirements for access to, diversion, protection, and/or support. Consultation with the relevant owner and/or provider of services that are likely to be affected by the SSI must be undertaken to make suitable arrangements for access to, diversion, protection, and/or support of the affected infrastructure as required.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction	N	N/A	N/A	Compliant	CDS-JV	A number of services have been / were identified for relocation. Pre-construction utility location works have been / was carried out in consultation with all relevant utility providers. These include Optus, Jemena, Telstra, Ausgrid, Transgrid, NBN and Sydney Water. All relocation and protection works shall continue to be carried out in consultation with, and with approval from, the relevant stakeholders.

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B58		<p>The Proponent must undertake dilapidation surveys and prepare dilapidation reports on the current condition of surface and sub-surface structures identified as at risk from settlement or vibration. The dilapidation surveys and reports must be prepared by a suitably qualified and experienced person(s) and must be provided to the owners of the surface and sub-surface structures for review prior to the commencement of potentially impacting construction activities.</p> <p>Subsequent dilapidation surveys must be undertaken to assess damage to the surface and subsurface structures that may have resulted from the construction of the SSI within three months of the completion of construction in an affected area, unless otherwise approved by the Secretary.</p> <p>The Proponent must carry out rectification at its expense and to the reasonable requirements of the surface and sub-surface structure owner(s) within three months of completion of the postdilapidation surveys unless otherwise agreed by the owner of the affected surface and subsurface structure.</p> <p>Note: For the purposes of condition B58, "surface and sub-surface structures" are taken to include, but is not limited to, underground and above ground structures, utility services and infrastructure, buildings, roads and bridges.</p>	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	<p>Dilapidation surveys continue to be carried out in accordance with this condition. Properties and assets requiring dilapidation surveys have been prioritised to match the construction program.</p> <p>A total of 4204 properties (includes both residential and commercial) are currently identified for pre-condition survey offers, of which a total of 1871 surveys were accepted and completed. The following number of dilapidation surveys have been completed in each council area for the project to date:</p> <p>City of Botany – 81 City of Sydney – 254 Marrickville – 485 Rockdale – 384 Canterbury - 105 Hurstville – 17 Bayside – 258 Inner West – 287</p> <p>Total = 1871 Precondition reports.</p> <p>The post condition surveys have begun from 2019. To date, 334 Surveys have been booked and a total of 228 surveys have been completed. The number of post condition surveys completed in each council area are:</p> <p>Rockdale – 111 Inner West – 39 Marrickville – 115 Bayside – 66 Other Structures – 3</p>
B59		<p>Upon determining the access route(s) for heavy and oversized vehicles associated with the construction of the SSI and site establishment works, a suitably qualified and experienced independent expert must prepare a Local Road Dilapidation Report for those local roads within the control of the relevant councils that would be utilised. The Local Road Dilapidation Report must assess the current condition of the road and describe mechanisms to restore any damage that may result due to its use by traffic and transport related to the construction of the SSI, including site establishment works. The Local Road Dilapidation Report must be submitted to the relevant council(s) for review at least two weeks prior to the use of the local roads by heavy and/or over-sized vehicles associated with the construction of the SSI and site establishment works.</p> <p>A subsequent Local Road Dilapidation Report must be prepared within four weeks of the completion of construction to assess any damage to the road that may have occurred as a result of the use of the roads by heavy and/or over-sized vehicles associated with the construction of the SSI and site establishment works. Measures undertaken to restore or reinstate roads affected by the SSI must be undertaken in accordance with the reasonable requirements of the relevant council(s), including agreed timing, and at the full expense of the Proponent.</p>	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	<p>Local Road dilapidation surveys have been completed for each council area, as below:</p> <p>Local Road Dilapidation Report: City of Canterbury (M5N-CN-RPT-PWD-0001); Local Road Dilapidation Report: Hurstville Council (M5N-CN-RPT-PWD-0002); Local Road Dilapidation Report: Rockdale Council (M5N-CN-RPT-PWD-0003); Local Road Dilapidation Report: Marrickville Council (M5N-CN-RPT-PWD-0004); Local Road Dilapidation Report: Sydney City Council (M5N-CN-RPT-PWD-0005); Local Road Dilapidation Report: Sydney City Council (M5N-CN-RPT-PWD-0006).</p> <p>The Local Road Dilapidation Reports were provided to the relevant Local Council on 13 May 2016.</p>
B59		<p>Note: Nothing in these conditions restricts the Proponent commencing adjustments and minor upgrades to the existing road network to cater for construction traffic and installation of temporary project signage prior to the commencement of construction.</p>																

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B60		Within three months of the date of this approval, unless otherwise agreed by the Secretary, the Proponent must establish an Urban Design Review Panel (UDRP) to provide advice and guidance during detailed design and the preparation of the Urban Design and Landscape Plan	N	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	WCX M5 AT	On 13/7/17, the NSW Government Architect provided a letter of endorsement on the Urban Design and Landscape Plan to DP&E as Panel Chair. The letters was provided on behalf of the Government and Independent members of the UDRP.
B60		The UDRP is to provide advice in relation to architecture, heritage values, urban and landscape design and artistic aspects of the SSI and must:																
B60	(a)	be comprised of-														Compliant		
B60		(i) representatives from the Proponent, including the Head of Urban Design,																
B60		(ii) where the works affect places of heritage significance, an independent heritage architect,																
B60		(iii) two independent architects one of which is a landscape architect,																
B60		(iv) representatives from the relevant council(s),																
B60		(v) a maximum of two experts, relevant to the works being considered, as selected by the Proponent, where relevant, and																
B60		the NSW Government Architect as Chair;																
B60	(b)	meet at least four times a year, or as otherwise agreed by the UDRP;														Compliant		
B60	(c)	review and provide advice on the detailed design of the SSI and final review of the Urban Design and Landscape Plan (required by condition B61); and														Compliant		
B60	(d)	keep a record of meeting minutes and a schedule of action items arising from the meeting,														Compliant		
B60		The Proponent may establish a separate UDRP for each precinct																
B61		Prior to commencement of permanent built surface works and/or landscaping, or as otherwise agreed by the Secretary, an Urban Design and Landscape Plan (UDLP) must be prepared. The UDLP must be prepared by a suitably qualified and experienced person(s), in consultation with the relevant council(s) and community, Heritage Council of NSW (or delegate), and the UDRP (condition B60). The UDLP must be approved by the Secretary. The UDLP must present an integrated urban and landscape design for the SSI, and must include, but not be limited to:	N	N	N	N	Y	Y	Y	Y	Y	Prior to permanent works	Y	Not yet submitted	Not yet approved	Compliant	CDS-JV	Hassel has been engaged to develop the Project's Urban Design and Landscape Plan (UDLP). In accordance with this condition, the UDLP is being submitted for the approval of the Secretary in two packages prior to the commencement of the relevant permanent built works and/or landscaping. Both packages of the UDLP have been reviewed by the UDRP in accordance with B60. The first package was approved by DPE on 18/7/17. The second package (eastern precinct) was approved on 24/01/18. Rev F of the UDLP was submitted to DPE on 22/05/18 and subsequently approved on 13/11/18. TfNSW note that Rev G of the UDLP was uploaded to the project website.
B61	(a)	identification of design objectives, principles and standards based on –																
B61	(a)	(i) local environmental and heritage values																
B61	(a)	(ii) urban design context																
B61	(a)	(iii) sustainable design and maintenance																
B61	(a)	(iv) community safety, amenity and privacy, including 'safer by design' principles where relevant																
B61	(a)	(v) relevant design standards and guidelines,																
B61	(a)	(vi) prioritising the visual amenity and values of adjoining receivers over the road user experience																
B61	(a)	(vii) minimising the footprint of the project (including at operational facilities), and																
B61	(a)	the urban design principles outlined in the documents referred to in conditions A2																
B61	(b)	landscaping and building design opportunities to mitigate the visual impacts of the operational fixed facilities (including the ventilation facilities, emergency smoke extraction outlets and the Motorway Operations Complex) in accordance with the following design considerations																

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
B62	(a)	a Campbell Road Crossing Sub-plan to assist in the management of access, land use, community amenity and open space impacts associated with the SSI. The Plan must be prepared and approved by the Secretary within twelve months of the date of this approval, unless otherwise agreed by the Secretary. The Plan must be prepared in consultation with the relevant councils and the UDRP, and must address the matters raised during consultation.	N	N	N	N	N	N	N	N	Y	Within twelve months of the date of this approval	Y	Not yet submitted	Not yet approved	Compliant	WCX M5 AT CDS-JV	The Campbell Road Crossing Sub-Plan was submitted by TfNSW to DPE for approval on 31 August 2017. Consultation between DPE and TfNSW was ongoing during the reporting period.
B62	(a)	The Plan must identify and facilitate the construction and establishment of a new land bridge over Campbell Road that is connected to, and contiguous with, the southern end of the existing Sydney Park and the proposed open space area (including active recreation facilities) to the north of the St Peters Interchange. The land bridge is to be designed to satisfy the following objectives -															Note: TfNSW sought an extension from DPE on 26 September 2018 for the submission date for the B62 (a) and (b) reports. The extension was sought until 20 September 2019 and was granted by DPE on 26 October 2018.	
B62	(b)	a St Peters Interchange Recreational Area Sub-plan to maximise the amount of open space available for the provision of active recreation areas and multifunctional and adaptable active recreation support facilities on the St Peters interchange site (located to the south of Campbell Road). The Plan must be prepared and approved by the Secretary within 12 months of the date of this approval, unless otherwise agreed by the Secretary.	N	N	N	N	N	N	Y	Y	N	Within twelve months of the date of this approval	Y	Not yet submitted	Not yet approved	Compliant	WCX M5 AT CDS-JV	The St Peters Interchange Recreational Area Sub-Plan was submitted by TfNSW to DPE for approval on 31 August 2017. Consultation between DPE, TfNSW and relevant Councils was ongoing during the reporting period.
B62	(b)	The Plan must be prepared by an experienced and qualified person(s) in the design and provision of active recreation facilities and in consultation with the relevant councils (including adjoining councils) and the community. The Plan must detail the construction, timing and responsibility for the delivery of active recreation facilities (including, but not limited to, sporting fields) and take into account the following considerations:															Note: TfNSW sought an extension from DPE on 26 September 2018 for the submission date for the B62 (a) and (b) reports. The extension was sought until 20 September 2019 and was granted by DPE on 26 October 2018.	
B62	(b)	(i) maximising the availability of active recreational open space							Y	Y	Y	Prior to permanent Surface works	Y	Not yet submitted	Not yet approved	Compliant	CDS-JV	The Campbell Street Green Link Sub-plan has been developed in consultation with the UDRP, councils and the community as part of Package 2 of the UDLP. Community consultation on the Sub-plan was undertaken between 4 - 30 April 2017 and was submitted for approval of the Secretary on 14/7/17 with preliminary comments received on 28/7/17. Rev C of the Sub-Plan was re-submitted to DPE on 22/05/18 and 25/10/18. B62(c) was approved by DPE on 13/12/18.
B62	(c)	A Campbell Street Green Link Sub-plan to provide an enhanced and unified landscaped green link between Sydney Park, Simpson Park and Camdenville Park. The objective of the green link is to facilitate a more legible and navigable open space network by providing a high quality open space link to the northern side of Campbell Street between the three parks.	N	N	N	N	N	N	Y	Y	Y							
B62	(c)	The Plan must be prepared by an experienced and qualified person(s) in the design and provision of open space and in consultation with the relevant councils and the community, and is to take into account the following considerations:																
B62	(c)	(i) The provision of a consistent and coherent landscaping theme between Sydney park and Camdenville Park;																
B62	(c)	(ii) the establishment of local street conditions,																
B62	(c)	(iii) the provision of enhanced footpath and shared path widths and the separation of walking and cycling paths from the roadway with planted verges or on street car parking,																
B62	(d)	a M5 Linear Park Enhancement Sub-plan, for open space bordered by Bexley Road, Bexley, King Georges Road, Beverley Hills, adjoining the M5 Motorway, to connect and enhance the parkland and to offset amenity and open space impacts. The Plan must be prepared and implemented in consultation with relevant Councils, the community and the UDRP and must identify (and consider), but not be limited to:	N	N	N	Y	Y	N	N	Y	N	Prior to permanent surface works	Y	Not yet submitted	Not yet approved	Compliant	WCX M5 AT CDS-JV	DPE provided conditional approval of the M5 Linear Park Enhancement Sub-Plan on 27 July 2018. DPE have stated they support the development of the concept plan into detailed design, which requires further consultation with e key stakeholders prior to submission for approval.
B62	(d)	(i) identification of park users and their needs,																
B62	(e)	an Alexandra Canal Sub-plan which details the design and integration of the bridges over the Alexandra Canal, including a Heritage Impact Assessment addressing any heritage impacts to the canal and its setting taking into account future and current accessibility plans for the Canal and the heritage sensitivity of the setting as set out in the Alexandra Canal Heritage Conservation Plan.	N	N	N	N	N	N	N	N	Y	Prior to permanent built surface works	Y	Not yet submitted	Not yet approved	Compliant	CDS-JV	The Alexandra Canal Sub-plan was submitted to DPE on 17/10/17 and approved on 15/12/17.
B62	(f)	a Noise Barrier Location and Design Sub-plan which includes	N	N	N	Y	Y	Y	Y	N	Y	Prior to permanent built surface works	Y	Not yet submitted	Not yet approved	Compliant	CDS-JV	The Noise Barrier Location and Design Sub-plan has been developed in consultation with the UDRP, councils and the community as part of Package 2 of the UDLP. This package was submitted to DPE on 9th October 2017 to address DPEs comments in addition to previously excluded items. DPE advised that they were not satisfied that the Noise Barrier Subplan adequately addressed the requirements of MCoA B62(f)(iii) to included an assessment of potential impacts
B62	(f)	(i) identification and confirmation of all permanent noise barrier locations associated with the SSI including new, relocated or modified barriers;																
B62	(f)	(ii) the consultation and decision making process for all new, relocated or modified permanent noise barriers associated with the SSI,																

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
B62	(f)	(iii) assessment of the potential impacts of the permanent noise barriers including visual amenity, overshadowing and connectivity and community cohesion,																associated with the design and location of the noise barriers however they acknowledged that the outcomes of the assessment would not alter the design and location of the noise barriers, but rather the potential needs for off-site mitigation measures, eg. landscaping. The Sub Plan was updated to include visual assessment and was submitted to DPE on 28/2/18. The plan was subsequently approved on 29/3/18.
B62	(f)	(iv) consideration of safer safety by design principles, the WestConnex Urban Design Framework, RMS Design Guidelines																
B62	(f)	(v) adjacent property owner concerns and preferences regarding barrier design and location, and																
B62	(f)	(vi) justification for the final design of new, relocated or modified permanent barriers.																
B62	(f)	The permanent barrier design options must be developed in consultation with the UDRP and presented to landowners adjacent to the barriers for consultation prior to the adoption of a final design.																
B63		The Proponent must commission an independent experienced and suitably qualified arborist, to prepare a comprehensive Tree Report(s) prior to removing any trees on the periphery and/or outside the construction footprint as identified in the figures in Section 6 of the document referred to in condition A2(b), including any tree(s) removed along Euston Road. The Tree Report may be prepared for the entire SSI or separate reports may be prepared for individual areas where trees are required to be removed. The report(s) must identify the impacts of the SSI on trees and vegetation within and adjacent to the construction footprint. The report(s) must include: (a) a visual tree assessment with inputs from the design, landscape architect, construction team; (b) consideration of all options to amend the SSI where a tree has been identified for removal, including realignment, relocation of services, redesign of or relocation of ancillary components (such as substations, fencing etc.) and reduction of standard offsets to underground services; and (c) measures to avoid the removal of trees or minimise damage to existing trees and is to ensure the health and stability of those trees to be protected. This includes details of any proposed canopy or root pruning, excavation works, site controls on waste disposal, vehicular access, storage of materials and protection of public utilities. A copy of the report(s) must be submitted to the Secretary for approval prior to the removal, damage and/or pruning of any trees, including those affected by site establishment works. All recommendations of the report must be implemented by the Proponent, unless otherwise agreed by the Secretary.														Tree Reports are being progressively submitted to the Secretary, DPE, for approval. The remaining Tree Reports required for removal of trees at construction compounds and other sites will be submitted to DPE prior to commencement of the relevant works. Any required replacement trees will be planted within, or in proximity to, the project boundary in consultation with the relevant council and in accordance with this condition. Final site rehabilitation/revegetation will be described in the Urban Design and Landscape Plan (M5N-ES-PLN-PWD-0009) once finalised. • Tree Report (pruning) for Simpson Park to meet lighting compliance requirements submitted to DPE on 31/07/19 and approved on the 15/08/19.		
B63 A		The SSI must be designed to retain as many trees as possible. Where trees are to be removed, the Proponent must provide a net increase in the number of replacement trees. Replacement trees must be planted within the SSI boundary or on public land up to 500 metres from the SSI boundary. Replacement tree plantings can be undertaken beyond 500 metres on public land within the local government areas to which the SSI approval applies if no more plantings are practicable within and up to 500 metres from the SSI boundary. The location of replacement trees must be determined in consultation with the relevant council(s).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Design Pre-construction Construction	Y	13/05/2016	Various	Compliant	CDS-JV	Tree reports required by B63 identify all trees to be retained and / or removed.

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B63 B		<p>Replacement trees are to have a minimum pot size of 75 litres except where the plantings are consistent with the pot sizes specified in a relevant council's plans / programs / strategies for vegetation management, street planting, or open space landscaping, or as agreed by the relevant council. In areas not subject to council plans / programs / strategies, pot sizes should be informed through consultation with the relevant council(s).</p> <p>Note:</p> <ul style="list-style-type: none"> For the purposes of condition B63A and B63B, consultation with relevant council(s) encompasses consultation undertaken with those councils on the Urban Design and Landscape Plan required by condition B61, and any agreements reached on replacement pot sizes during consultation. 										Construction				Compliant	CDS-JV	Replacement tree sizes will be in accordance with the relevant Council plans and are identified in the UDLP
B63 C		<p>The Proponent must submit to the Secretary a report which details the type, size, number and location of replacement trees. The report must demonstrate how any replacement plantings with a pot size less than 75 litres are consistent with the requirements of condition B63B. The report must be submitted to the Secretary prior to operation unless otherwise agreed by the Secretary.</p> <p>Note:</p> <ul style="list-style-type: none"> The requirements of conditions B63A, B63B and B63C do not apply to tree planting initiatives implemented under condition B66. 										Prior to Operation				Not yet triggered	CDS-JV	This condition will be satisfied prior to operation
B64		<p>The Proponent must provide a pedestrian pathway and verge along Euston Road and must replace the perimeter plantings along the Euston Road frontage of Sydney Park commensurate with the type of plantings impacted by the SSI. Replacement plantings must be in accordance with the pot sizes specified in condition B63B.</p>	N	N	N	N	N	N	N	N	Y	Design Construction	N	N/A	N/A	Not yet triggered	CDS-JV	Noted
B65		<p>Existing residential properties (and approved residential developments) that are affected by overshadowing from the final detailed design of the SSI (including any noise mitigation measures) are to receive a minimum of three hours of direct sunlight in habitable rooms and in at least 50% of the principal private open space area between 9:00 am and 3:00 pm on 21 June. Such properties must be identified for further consideration by the Proponent in a Solar Access and Overshadowing Report which addresses compliance with these requirements. The Solar Access and Overshadowing Report must be submitted to the Secretary within 12 months of the SSI approval or prior to the construction of any structures that may cause overshadowing of residential premises, whichever is the sooner and must include:</p> <p>(a) identification of potentially affected properties</p> <p>(b) assessment of the detailed design's compliance at each property, informed by:</p> <p>(i) a review of the habitable rooms within structures,</p> <p>(ii) the size and nature of private open spaces, and</p> <p>(c) shadow diagrams in plan and elevation at hourly intervals between 9.00 am and 3.00pm on 21 June; and</p> <p>(c) a consultation plan to detail how potential impacts and mitigation measures will be discussed and negotiated with potentially affected property owners in the event that compliance with this condition is not achieved.</p> <p>Where existing residential development currently receives less than the required amount of solar access, existing access to sunlight should not be unreasonably reduced.</p> <p>Where affected properties include dwellings held under strata or community title, this condition must be interpreted in relation to individual units within those properties</p>	N	N	N	Y	Y	Y	Y	Y	Y	Within 12 months of approval or prior to construction of structures that may cause overshadowing	N	Not yet submitted	N/A	Compliant	CDS-JV	<p>The Solar Access and Overshadowing Report was submitted to DP&E on 20 April 2017. DP&E provided initial comments on the Report on 12/05/2017. A final report was submitted to DPE on 27th Feb 2018.</p> <p>Note: Through consultation with the relevant councils - no approved residential developments have been identified which will be affected by overshadowing.</p>

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B66		No later than 12 months after the commencement of construction, unless otherwise agreed to by the Secretary, the Proponent must prepare a Community and Social Management Plan for precincts directly impacted by the SSI. The Community and Social Management Plan must be prepared by a suitably qualified and experienced person(s) and in consultation with relevant council(s) and the community and submitted to the Secretary for approval. The Community and Social Management Plan must include but is not limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Within 12 months of approval	Y	Not yet submitted	Not yet approved	Compliant	WCX M5 AT	The Community and Social Management Plan was conditionally approved by DP&E on 9 August. As required by the conditional approval, a revised CCP (Rev 6) was submitted to DP&E for approval on 9 Nov 2018. Approval pending.
B66	(a)	identification of the social impacts of the SSI, including cumulative impacts resulting from the various stages of the SSI (including construction and operation) in directly affected precincts including –																
B66	(a)	(i) a refined precinct-based spatial analysis based on representative local communities and stakeholders impacted by the SSI,																
B66	(a)	(ii) at what stage the identified impact is likely to occur																
B66	(a)	(iii) identification of stakeholders and communities directly affected by each identified impact																
B66	(a)	(iv) assessment of the identified social impacts including type, probability and consequence																
B66	(a)	(v) details of management and mitigation measures, including responsibilities for the implementation of each measure, and an assessment of the likely effectiveness of the measures																
B66	(a)	(vi) identification of access and connectivity enhancements or new provisions to assist in mitigating community cohesion impacts directly resulting from the SSI including, but not necessarily limited to, community cohesion, public transport and social facility accessibility, connectivity and accessibility to goods and services,																
B66	(a)	(vii) mechanisms for monitoring social impacts and reviewing the effectiveness of mitigation measures																
B66	(a)	(viii) mechanisms for the reporting of social impacts during construction and operation of the SSI, and																
B66	(a)	mechanisms for ongoing consultation with communities and key stakeholders; and																
B66	(b)	a Community Cohesion Program to enhance community cohesion in precincts directly affected by the SSI through initiatives including, but not limited to -														(iii) CDS-JV		
B66		(i) enhancement of open space and recreation areas,																
B66		(ii) active community involvement and engagement,																
B66		(iii) provision or facilitation of cycling facilities within Camdensville Park, in consultation with the relevant council,																
B66		(iv) support of community initiatives and programs, and																
B66		(v) provision of grants to local community groups.																
B66		The Proponent must maintain and implement the Community and Social Management Plan throughout construction and for the first three years of operation of the SSI.																
B67		The Proponent must prepare a Residual Land Management Plan in consultation with the relevant councils. The Residual Land Management Plan must be submitted to the Secretary at least 12 months prior to the commencement of operation of the SSI. The Residual Land Management Plan must include, but not be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Prior to Operation	N	Not yet submitted	N/A	Compliant	WCX M5 AT CDS-JV	The RLMP was submitted to DPE for approval on 15/3/19.
B67	(a)	identification and illustration on a map, of all residual land following construction of the SSI, including the physical location, land use characteristics, size and adjacent land uses;																
B67	(b)	identification of proposed uses for the each piece of residual land with consideration given to the provision of additional community uses, public recreation uses and/or affordable or social housing and the justification for the uses chosen;																
B67	(c)	time frames for implementing the various components of the Residual Management Plan																

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B67		Residual land that does not have feasible development potential must be subject to landscape revegetation and regeneration, unless otherwise agreed to by the Secretary.																
B68		Residual land that is to be used for a public use and/or transferred to a public authority is to be in a condition suitable for the end use that does not incur additional cost to the public authority to reasonably rehabilitate or remediate the land for the future development identified in the Residual Land Management Plan	N	N	N	Y	Y	Y	Y	Y	Y	Construction Operation	N	N/A	N/A	Not yet triggered	WCX M5 AT	The RLMP was submitted to DPE for approval on 15/3/19.
B69		The Proponent must ensure that all residual land set aside for open space uses in accordance with condition B67 be available to the relevant council within 12 months of the completion of construction, unless otherwise agreed to by the Secretary	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not yet triggered	WCX M5 AT	The RLMP was submitted to DPE for approval on 15/3/19.
B70		Prior to operations, the Proponent must assist the City of Sydney Council to update and amend the Sydney Park Plan of Management to reflect the changes to the park as a result of the project. This must include investigations into enhancing Sydney Park through maximising the open space area at the eastern edge of Sydney Park, such as future integration of privately owned land along the Euston Road frontage	N	N	N	N	N	N	N	N	N	Prior to Operation	N	N/A	N/A	Not yet triggered	WCX M5 AT	TfNSW wrote to City of Sydney Council on 01/11/2018 requesting Council advise what, if any additional information is required to update the Plan of Management. TfNSW did not receive any response from Council.
B71		The Canterbury Golf Course golf ball deflection fence must meet the height and width requirements of Canterbury Council. Property adjustments at the golf course must not introduce additional ongoing maintenance requirements for Canterbury Council	N	N	N	Y	N	N	N	N	N	Construction Operation	N	N/A	N/A	Compliant	WCX M5 AT RMS CDS-JV	Canterbury Bankstown Council issued a letter to TfNSW on 04/12/18 confirming the agreement made with TfNSW and that Council considered that TfNSW had met the condition. Council subsequently issued the letter to DPE on 13/12/18.
B72		The Proponent must design and construct the SSI with the objective of minimising impacts to, and interference with, third party property and infrastructure and that such infrastructure and property is protected during construction and operation. Any damage caused to property as a result of the SSI must be rectified or the landowner compensated, within a timeframe defined in the Construction Environmental Management Plan	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	Impacts to third party infrastructure will be avoided during construction of the SSI. Any damage or removal of property will be replaced or repaired, or the landowner compensated within a reasonable timeframe. Pre-construction dilapidation surveys are being undertaken in accordance with CoA B58 and subsequent post-construction surveys will be undertaken to assess any damage. Complaints regarding property damage will be managed in accordance with the approved Community Communication Strategy (M5N-CS-PLN-PWD-0008) and the Construction Complaints Management System.
B73		The Proponent must construct and operate the SSI with the objective of minimising light spillage to residential properties and be generally consistent with the requirements of Australian Standard 4282-1997 Control of the obtrusive effects of outdoor lighting. Notwithstanding, the Proponent must provide mitigation measures to manage any residual night lighting impacts to protect properties adjoining or adjacent to the project, in consultation with affected landowners	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction Operation	N	N/A	N/A	Compliant	CDS-JV	Light spillage is minimised where possible and generally consistent with AS 4282-1997 'Control of the obtrusive effects of outdoor lighting'. The construction component of this condition is addressed in Section 6.12 and Appendix B of the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026). The operational component of this condition is being addressed through detailed design for the operational facilities. Complaints regarding light spillage will be managed in accordance with the approved Community Communication Strategy (M5N-CS-PLN-PWD-0008) and the Construction Complaints Management System. Four complaints (26/8, 4/6, 3/9, 4/9 & 25/9) in relation to light spill were received during the reporting period.
B74		The SSI must be designed and constructed to achieve an excellent 'Design' and 'As built' rating under the Infrastructure Sustainability Council of Australia infrastructure rating tool.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction Operation	N	N/A	N/A	Compliant	CDS-JV	A "leading" level ISCA design rating of 76% was achieved during the QCCR5 reporting period.

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B75		Opportunities to reduce operational greenhouse gas emissions must be investigated during detailed design. The sustainability initiatives identified must be regularly reviewed, updated and implemented throughout the design development and construction phase, and annually during the operational phases.	N	N	N	Y	Y	Y	Y	Y	Y	Design Construction	N	N/A	N/A	Compliant	CDS-JV	<p>Opportunities to reduce operational greenhouse gas emissions were identified and investigated during detailed design development and verified as part of the ISCA design submission. The "leading" ISCA certification recognised during this quarter was based on significant operational GHG emission reductions implemented as part of the final design of the Project. Some of the verified reductions included:</p> <ul style="list-style-type: none"> • 34% total energy reduction from BAU for the whole Project as a result of energy efficient M&E tunnel design. The improved design incorporated the use of LED lighting in the tunnel interior and an optimised tunnel ventilation strategy (banana jet fans etc.) • Australian first innovation - LED lighting in the tunnel interior. Current typical road tunnels use fluorescent lighting for illumination. Improvements in LED technology have enabled the Project to use LED lights to illuminate the tunnel roadway. Together with LED lighting in the Motorway Operations Centres (MOCs), the use of LEDs in the tunnels has resulted in a 70% energy use reduction compared to the use of fluorescent lighting. <p>Opportunities to reduce GHG emissions will continue to be identified and implemented throughout the construction phase where reasonable and feasible.</p> <p>CDSJV was progressing the information to be provided for the 'As Built' rating during the reporting period.</p>
C1		Prior to the commencement of construction, or as otherwise agreed by the Secretary, the Proponent must prepare and implement a Community Communication Strategy. The Community Communication Strategy must be submitted to the Secretary for approval. The Community Communication Strategy must provide mechanisms to facilitate communication between the Proponent (and its contractor(s)), the Environmental Representative (refer condition D1), the relevant council(s) and community stakeholders (particularly adjoining landowners) on the design and construction environmental management of the SSI. The Community Communication Strategy must include, but not be limited to	N	N	N	Y	Y	Y	Y	Y	Y	Pre-Construction	Y	13/05/2016	27/07/2016	Compliant	CDS-JV	<p>The Community Communication Strategy (M5N-CS-PLN-PWD-0008 Rev 04) has been reviewed and updated with final DPE comments incorporated into the Plan.</p> <p>(a) Identified stakeholders have continued to be consulted including Inner West Council regarding use of Burrows Rd compounds, traffic changes amongst other issues; City of Sydney Council has been consulted regarding use of local roads and Bayside Council regarding permanent reinstatement work.</p> <p>(b) Weekly e-updates via zones have continued to be a feature for regular distribution of accessible information. Notifications for day works, traffic changes and out of hours work are also distributed.</p> <p>(c) Community targetted street meetings have been held with positive community responses.</p> <p>(d and e) 1800 number available 24/7; info@newm5.com.au maintained in keeping with identified response times.</p> <p>f) There have been no requirements for Independent mediator intervention in complaints management.</p> <p>(g) no longer applicable.</p> <p>Note: Updated CCS was approved on 24/09/18</p>
C1	(a)	identification of stakeholders to be consulted as part of the Community Communication Strategy, including affected and adjoining landowners, key community and business groups, and community and social service organisations																
C1	(b)	procedures and mechanisms for the regular distribution of accessible information to community stakeholders on construction progress and matters associated with environmental management, including provision of information in appropriate community languages;																
C1	(c)	the formation of community-based forums that focus on key environmental management issues for the SSI. The Community Communication Strategy must provide detail on the structure, scope, objectives and frequency of the community-based forums;																
C1	(d)	procedures and mechanisms through which the community stakeholders can discuss or provide feedback to the Proponent and/or Environmental Representative in relation to the environmental management and delivery of the SSI;																

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C1	(e)	procedures and mechanisms through which the Proponent can respond to enquiries or feedback from the community stakeholders in relation to the environmental management and delivery of the SSI;																	
C1	(f)	procedures and mechanisms that would be implemented to resolve issues/disputes that may arise between parties on the matters relating to environmental management and the delivery of the SSI. This may include the use of a suitably qualified and experienced independent mediator; and																	
C1	(g)	procedures and mechanisms to manage the ongoing provision of services for the WestConnex Acquisition Assistance Line, as required by condition C2, and procedures for the notification of the contact details for this assistance line to relocated persons																	
C1		Issues that must be addressed through the Community Communication Strategy include (but are not limited to):																	
C1	(a)	Traffic management (including property access, pedestrian access);																	
C1	(b)	Air quality																	
C1	(c)	Heritage matters																	
C1	(d)	Landscaping and urban design matters																	
C1	(e)	Construction staging, hours and activities																	
C1	(f)	Noise, vibration mitigation and management, and																	
C1	(g)	Water quality, hydrology and flooding matters																	
C1		The Proponent must maintain and implement the Community Communication Strategy throughout construction of the SSI.																	
C2		The Proponent must maintain and operate a toll-free WestConnex Acquisition Assistance Line for a period of up to six months following completion of the final acquisition required for the SSI, unless otherwise agreed by the Secretary. The WestConnex Acquisition Assistance Line must provide an ongoing dispute resolution, counselling program and contact information to relevant services for all relocated persons. The WestConnex Acquisition Assistance Line must also provide first language support for households with English as a second language. The management of the assistance line is to be outlined within the Community Communication Strategy as required by condition C1 and is to be maintained and operated separately from the standard complaints and enquiries procedure. The Proponent must provide all relevant contact details for the WestConnex Acquisition Assistance Line to relocated persons prior to the commencement of construction.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	WCX M5 AT	<p>The services available to support residents who are being relocated as a result of property acquisition include:</p> <ul style="list-style-type: none"> The WestConnex Assist counselling service - 'Converge' – which is the counselling service provided by WCX M5 AT Pty Ltd. It is a free, independent and confidential counselling service and is still available for use for relocated persons Provision of an independent service to vulnerable households to assist with their relocation Community relations support to respond to community issues, concerns and requests and to offer a translation service to households for whom English is a second language TfNSW have contacted residential and commercial tenants who are currently renting properties to be acquired for the project, to discuss timeframes for acquisition and compensation (where applicable). Residents who are having their properties acquired or are relocating due the New M5 project (e.g. tenants) have been advised to contact WestConnex directly to discuss available support services.
C3		Prior to the commencement of site establishment works, or as otherwise agreed by the Secretary, the Proponent must ensure that the following are available for community enquiries and complaints for the duration of construction:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-establishment	N	N/A	N/A	Compliant	CDS-JV WCX M5 AT	<p>The project continues to offer the toll free 24hr telephone number, a postal address for complaints and enquiries (none received through this channel), the info@newm5.com.au email address for complaints and enquiries' a mediation process and a translator service, Other than the postal address, these are incorporated in notifications. The address and opening hours of the Community Information Centre are also listed in publications.</p>	
C3	(a)	a toll-free 24 hour telephone number(s) on which complaints and enquiries about the SSI may be registered;																	
C3	(b)	a postal address to which written complaints and enquires may be sent;																	
C3	(c)	an email address to which electronic complaints and enquiries may be transmitted;																	
C3	(d)	a mediation system for complaints unable to be resolved; and																	
C3	(e)	a mechanism for community members to make enquiries in common community languages of the area																	

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C3		The telephone number, the postal address and the email address must be published in newspaper(s) circulating in the local area including in newspapers of culturally and linguistically diverse communities affected by the SSI prior to the commencement of construction and prior to the commencement of operation. This information must also be provided on the website (or dedicated pages) required by this approval and available in common community languages.																
C4		Prior to the commencement of site establishment works, or as otherwise agreed by the Secretary, the Proponent must prepare and implement a Construction Complaints Management System consistent with AS/NZS 10002:2014 Guidelines for Complaint management in Organisations and maintain the Construction Complaints Management System for the duration of construction and up to 12 months following completion of construction of the SSI. Information on all complaints received, including the means by which they were addressed and whether resolution was reached, with or without mediation, must be maintained in a complaints register and included in the construction compliance reports required by this approval. The information contained within the Construction Complaints Management System must be made available to the Secretary on request.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction Operation	N	N/A	N/A	Compliant	CDS-JV	Complaints and enquiries reporting is continuously being improved and the team is adhering to SMC guidelines in order to measure KPIs. The reporting reflects the team's commitment to responding to stakeholders with respect and answering enquiries and complaints as effectively as possible.
C5		Prior to the commencement of site establishment works, or as otherwise agreed by the Secretary, the Proponent must establish and maintain a new website, or dedicated pages within an existing website, for the provision of electronic information associated with the SSI, for the duration of construction and for 12 months following commencement of operation of the SSI. The Proponent must, subject to confidentiality, publish and maintain up-to-date information on the website or dedicated pages including, but not limited to:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV	The website found at https://www.westconnex.com.au/projects/new-m5 is a valuable tool for stakeholders and has been enhanced by SMC with a number of features including the roadheader tracker to which CDS JV contributes weekly roadheader progress. The smooth interface developed with SMC ensures that the numerous out of hours notifications are uploaded immediately and within EPA requirements.
C5	(a)	Information on the current implementation status of the SSI																
C5	(b)	a copy of the documents referred to in condition A2, and any documentation supporting modifications to this approval that may be granted from time to time																
C5	(c)	a copy of this approval and any future modification to this approval																
C5	(d)	a copy of each relevant environmental approval, licence or permit required and obtained in relation to the SSI																
C5	(e)	a copy of each current report, plan, or other document required under this approval																
C5	(f)	the outcomes of compliance tracking in accordance with condition A14 of this approval																
C5	(g)	details of contact point(s) to which community complaints and enquiries may be directed, including a telephone number, a postal address and an email address; and																
C5	(h)	information on how to receive important information in the common community languages of the area																
D1		Prior to the commencement of construction of the SSI, or as otherwise agreed by the Secretary, the Proponent must appoint a suitably qualified and experienced Environmental Representative(s) that is independent of the design and construction personnel, and that has been approved by the Secretary. The Proponent must employ the Environmental Representative(s) for the duration of construction, or as otherwise agreed by the Secretary. The Environment Representative(s) must:	N	N	N	Y	Y	Y	Y	Y	Y	Pre-construction	Y	31/05/2016	31/05/2016	Compliant	CDS-JV WCX M5 AT	The nominated Environmental Representative (ER) for the project, Steve Fermio of Wolf Peak (28/04/2016) was approved by DPE on 31/05/2016. Since the commencement of construction the ER has provided inspection reports (now on a fortnightly basis), monthly reports, attended meetings with and provided advice to the Proponent, Contractor and DPE and approved some minor ancillary site facilities and minor amendments to management plans where provided for under the CEMP and AFMP. The ER typically conducts fortnightly reviews of management plans and strategies in order to monitor their implementation and advise the Proponent on their achievement as per D1(b).
D1	(a)	be the principal point of advice in relation to the environmental performance of the SSI;																
D1	(b)	monitor the implementation of environmental management plans and monitoring programs required under this approval and advise the Proponent upon the achievement of these plans/programs;																
D1	(c)	have responsibility for considering, and advising the Proponent on, matters specified in the conditions of this approval, and other licences and approvals related to the environmental performance and impacts of the SSI;																
D1	(d)	ensure that environmental auditing is undertaken (but not undertake the audit) in accordance with the Proponent's Environmental Management System(s);																

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D1	(e)	be given the authority to approve/reject minor amendments to the Construction Environment Management Plan. What constitutes a "minor" amendment must be clearly explained in the Construction Environment Management Plan;																
D1	(f)	be given the authority and independence to require reasonable steps be taken to avoid or minimise unintended or adverse environmental impacts; and																
D1	(g)	be consulted in responding to the community concerning the environmental performance of the SSI where the resolution of points of conflict between the Proponent and the community is required.																
D2		The Environmental Representative must prepare and submit to the Secretary a monthly report on the Environmental Representative's actions and decisions on matters specified in condition D1 for the preceding month. The reports must be submitted within seven days for the end of each month for the duration of construction of the SSI, or as otherwise agreed by the Secretary. Notwithstanding, the Environmental Representative must be given the independence to report to the Secretary at any time and/or at the request of the Secretary.	N	N	N	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	The ER has continued monthly reporting during the period. The ER issued 3 monthly reports during the period.
D3		Soil and water management measures consistent with Managing Urban Stormwater - Soils and Construction Vols 1 and 2, 4th Edition (Landcom, 2004) must be employed during the construction of the SSI to minimise soil erosion and the discharge of sediment and other pollutants to land and/or waters. Where available and practicable, and of appropriate chemical and biological quality, stormwater, recycled water or other water sources must be used in preference to potable water for construction activities, including dust control.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	This condition is included in the Construction Soil and Water Management Plan (M5N-ES-PLN-PWD-0005) and the Water Reuse Strategy (M5N-ES-PLN-PWD-0035). Erosion, sedimentation and drainage controls are being implemented as per Site Erosion and Sediment Control Plans, which have been developed by the project Soil Conservationists, SEEC. These controls are consistent with Managing Urban Stormwater – Soils and Construction Vols 1 and 2, 4th Edition (the Blue Book) (Landcom, 2004) and are inspected fortnightly by the project's Soil Conservationist for compliance. Opportunities for reusing water onsite or for construction are being investigated and implemented, where feasible and reasonable. Water from the Leachate Treatment Plant at St Peters Interchange is not able to be reused on site for safety/health reasons.
D4		The Proponent must ensure any siphonic based water management system implemented during construction is removed and, where applicable, replaced with an adequate permanent drainage system.	N	N	N	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Not yet triggered	CDS-JV	This condition and measure is incorporated into the Construction Soil and Water Management Plan (M5N-ES-PLN-PWD-0005). The project does not require any siphonic based water management systems.
D5		The Proponent must immediately notify DPI (Water) of any groundwater bores removed or damaged during construction and operation of the SSI. In the event that a groundwater bore is removed or damaged, the Proponent must repair or replace the bore (unless otherwise advised by DPI (Water)), as applicable within a timeframe agreed to by DPI (Water).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction Operation	N	N/A	N/A	Not yet triggered	CDS-JV WCX M5 AT	CDS-JV will immediately notify WCX M5 AT who will notify DPI Water in the case of any groundwater bores being removed or damaged over the course of the works. Unless otherwise advised by DPI Water any damage or removal of groundwater bores will be replaced or repaired or the landowner compensated within a reasonable timeframe. This requirement is addressed in the Construction Soil and Water Management Plan (M5N-ES-PLN-PWD-0005). No registered bores present prior to construction of the project have been removed or damaged during the reporting period.

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D6		A geotechnical model of representative geological and groundwater conditions must be prepared prior to excavation and tunnelling in subject area(s) to identify geological structures and groundwater features. This model must include details of proposed excavations and tunnels, construction staging, and identify surface and sub-surface structures, including and specific attributes, which may be impacted by the SSI. The Proponent must use this model to assess the predicted settlement, ground movement, stress redistribution and horizontal strain profiles caused by excavation and tunnelling on adjacent surface and sub-surface structures.	N	N	N	Y	Y	Y	Y	Y	Y	Prior to excavation	N	N/A	N/A	Compliant	CDS-JV	The geotechnical model has been updated progressively to incorporate the available site investigation information.
D7		The Proponent must undertake a review of surface and sub-surface structures at risk from damage to determine appropriate criteria to prevent damage, prior to excavation and tunnelling works that may pose a settlement risk. Criteria for surface and sub-surface structures which are not included in condition D8 (Table 1) must be determined in consultation with the owner(s) of the surface and sub-surface structures prior to commencement of any excavation or tunnelling works potentially affecting the surface and sub-surface structures.	N	N	N	N	N	N	N	Y	N	Prior to tunnelling	N	N/A	N/A	Compliant	CDS-JV	The Ground Movement Assessment Report (M5N-AJV-DPK-150-500-TR-1560), which has been finalised, fulfils this condition and has been prepared prior to finalising detailed design to enable feedback into the design. This has been undertaken prior to any construction that may influence ground settlement.
D8	D8	In the case of buildings, roads, parking areas and parks, the appropriate criteria which governs the greatest risk of damage are to be selected from Table 1 (Maximum Settlement, Maximum Angular Distortion or Limiting Tensile Strain) unless the Proponent has determined more stringent criteria under condition D7. Table 1 - Settlement Criteria	N	N	N	N	N	N	N	Y	N	Prior to tunnelling	N	N/A	N/A	Compliant	CDS-JV	A settlement analysis has been undertaken and the results included in the Ground Movement Assessment Report (M5N-AJV-DPK-150-500-TR-01560), issued as final design 7/11/2016. The results of this assessment have informed the Impact Assessment Report (M5N-AJV-TER-150-500-TR-01559), issued as final design 21/11/2016. Where necessary CDS-JV will provide the predicted settlement impact assessment to the appropriate asset owner, and negotiate and agree to acceptable limits of settlement. Where appropriate, instrumentation and monitoring will be used to ensure no exceedances of the agreed criteria.
D9		Should the geotechnical model in condition D6 identify exceedances of the relevant criteria established by conditions D7 and D8, the Proponent must implement an instrumentation and monitoring program to measure settlement, distortion or strain as required. The Proponent must also identify and implement appropriate mitigation measures in consultation with the owners of the relevant surface and sub-surface structures prior to excavation and tunnelling works to ensure where possible that the surface and sub-surface structures will not experience exceedances of the relevant criteria. The adopted criteria does not remove any responsibility from the Proponent for the protection of existing surface and sub-surface structures or for rectifying any damage to surface and subsurface structures resulting from the SSI. Note: For the purposes of conditions D6, D7, D8 and D9 "surface and sub-surface structures" are taken to include, but is not limited to, underground and above ground structures, utility services and infrastructure, buildings, roads, bridges, car parks, parking areas, parks and swimming pools.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Prior to works affecting utilities/infrastructure	N	N/A	N/A	Compliant	CDS-JV	Settlement criteria have been determined in consultation with the relevant authorities and reported in the Impact Assessment Report (M5N-AJV-TER-150-500-TR-01559). The Impact Assessment Report is informing detailed design for construction activities that have the potential to affect individual utility structure or infrastructure. Consultation has been conducted and issues closed out with Jemena, Transgrid, Telstra and Sydney Water (in relation to the SWSOOS). Consultation is ongoing with APA, Viva, Caltex, Freyssinet, Ausgrid, Optus, NBN, Axicom, Sydney Desalination, Sydney Water (items other than SWSOOS), ARTC, Sydney Trains, Broadpectrum, BP.
D10		A detailed land use survey must be undertaken to confirm sensitive receivers (including critical working areas such as operating theatres and precision laboratories) potentially exposed to construction vibration, construction ground-borne noise and operational noise. The survey may be undertaken on a progressive basis but must be undertaken in any one area prior to the commencement of construction works which generate construction vibration or ground-borne noise in that area. The results of the survey must be included in the (or an updated) Construction Noise and Vibration Management Plan as required by condition D68(b)	Y	Y	Y	N	N	N	N	N	N	Pre-construction	N	N/A	N/A	Compliant	CDS-JV	CDS-JV has engaged the noise and vibration specialists, Renzo Tonin & Associates, who have prepared a detailed land use survey. The results of the survey are provided as Appendix B of the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0003)

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D11		Prior to construction, properties that are at risk from construction vibration must be notified and incorporated into the Construction Noise and Vibration Management Plan as required by condition D68(b).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction	N	N/A	N/A	Compliant	CDS-JV	The community team continues to monitor for sensitive receivers in accordance with the requirements of D24. The community team has been briefed by the Enviro team on the Condition and the requirements for managing upcoming compaction and vibration work in areas of close proximity to residents and businesses.
D12		Construction activities associated with the SSI must be undertaken during the following standard construction hours:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	Except as permitted by the conditions of this approval or an EPL, works are restricted to the nominated timeframes. This is addressed in the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0003).
D12	(a)	7:00 am to 6:00 pm Mondays to Fridays, inclusive																
D12	(b)	8:00am to 1:00pm Saturdays; and																
D12	(c)	at no time on Sundays or public holidays																
D13		Notwithstanding condition D12, tunnelling may be undertaken 24 hours, seven days per week. Other activities associated with tunnelling (such as spoil haulage if approved under the Spoil Management Plan, deliveries, work area establishment, temporary road and intersection modifications, roads/cut-and-cover/dive structures and approach roads and ramps, excavation and ground support, civil, mechanical, and electrical, and ventilation facilities construction) may be undertaken outside of the hours specified in condition D12 where allowed in accordance with condition D15.	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	The allowance for 24 hour operations of tunnelling activities is described in Section 4.1.1 and 4.1.2 of the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0003). Tunnelling and tunnel support activities are approved to be conducted 24 hours, 7 days per week under the project EPLs (EPL 20772 & EPL 4627). Tunnelling wqas officially completed in May 2019.	
D14		Except as permitted by an EPL, activities resulting in impulsive or tonal noise emissions must only be undertaken:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	Except as permitted by the conditions of this approval or an EPL, works will be restricted to the nominated timeframes. This is addressed in Section 4.1.3 of the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0003), and the Out of Hours Works Protocol (Appendix F to the Construction Noise and Vibration Management Plan). Compliance with this condition is monitored through the fortnightly environmental inspections.
D14	(a)	between the hours of 8:00 am to 6:00 pm Monday to Friday																
D14	(b)	between the hours of 8:00am to 1:00 pm Saturday; and																
D14	(c)	in continuous blocks not exceeding three hours each with a minimum respite from those activities and works of not less than one hour between each block For the purposes of this condition, 'continuous' includes any period during which there is less than a one hour respite between ceasing and recommencing any of the work the subject of this condition.																
D15		Notwithstanding conditions D12 and D14, construction works associated with the SSI may be undertaken outside the hours specified under those conditions in the following circumstances:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement is addressed in Section 4.1.4 of the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0003), and the Out of Hours Works Protocol (Appendix F to the Construction Noise and Vibration Management Plan).
D15	(a)	construction works that cause LAeq (15 minute) noise levels that are:																
D15	(a)	(i) No more than 5 dB(A) above rating background level at any residence in accordance with the Interim Construction Noise guideline (DECC, 2009), and																
D15	(a)	(ii) no more than the noise management levels specified in Table 3 of the Interim Construction Noise Guideline (DECC, 2009) at other sensitive land uses, and																
D15	(a)	(iii) continuous or impulsive vibration values, measured at the most affected residence are no more than those for human exposure to vibration, specified in table 2.2 of Assessing vibration: a technical guideline (DEC, 2006), and																
D15	(a)	intermittent vibration values measured at the most affected residence are no more than those for human exposure to vibration, specified in Table 2.4 of Assessing vibration: a technical guideline (DEC, 2006); or																
D15	(b)	where a negotiated agreement has been reached with affected receivers, where the prescribed noise and/or vibration levels cannot be achieved; or																
D15	(c)	for the delivery of materials required by the police or other authorities for safety reasons; or																
D15	(d)	where it is required in an emergency to avoid the loss of lives, property and/or to prevent environmental harm; or																

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D15	(e)	construction works approved through an Out-Of-Hours Work Protocol prepared as part of the Construction Noise and Vibration Management Plan required by condition D68(b), provided the relevant council, local residents and other affected stakeholders and sensitive receivers are informed of the timing and duration at least five days and no more than 14 days prior to the commencement of the works; or														
D15	(f)	construction works approved through an EPL.														
D16		The Proponent must implement all reasonable and feasible noise mitigation measures with the aim of achieving the following construction noise management levels and vibration criteria:	Y	Y	Y	Y	Y	Y	Y	Y	Pre-construction Construction	N	N/A	N/A	Compliant	CDS-JV
D16	(a)	construction noise management levels established using the Interim Construction Noise Guideline (DECC, 2009);														
D16	(b)	vibration criteria established using the Assessing vibration: a technical guideline (DEC, 2006) (for human exposure);														
D16	(c)	Standard AS 2187.2- 2006 Explosives- Storage and Use- Use of Explosives														
D16	(d)	BS 7385 Part 2-1993 "Evaluation and measurement for vibration in buildings Part 2' as applicable to Australian conditions; and														
D16	(e)	the vibration limits set out in the German Standard DIN 4150-3: Structural Vibrationeffects of vibration on structures (for structural damage).														
D16		Any construction activities identified as exceeding the construction noise management levels and/or vibration criteria must be managed in accordance with the Construction Noise and Vibration Management Plan required by condition D68(b).														
D16		<i>Note: The Interim Construction Noise Guideline identifies 'particularly annoying' activities that require the addition of 5 dB(A) to the predicted level before comparing to the construction NML.</i>														
D17		Feasible and reasonable noise mitigation measures should be applied to construction activities when the following residential ground-borne noise levels are exceeded:	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV
	(a)	evening (6:00 pm to 10:00 pm)- internal LAeq(15 minute): 40 dB(A); and														
	(b)	night (10:00pm to 7:00am)- internal LAeq(15 minute): 35 dB(A). The mitigation measures should be outlined in the Construction Noise and Vibration Management Plan, including the Out-of-Hours Work Protocol, required by condition D68(b).														
D18		Wherever practical, piling activities that affect sensitive receivers must be undertaken using quieter alternative methods than impact or percussion piling, such as bored piles or vibrated piles.	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV

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D19		The Proponent must implement operational noise mitigation measures (such as noise barriers or at-property architectural treatments) in areas where the documents referred to in conditions A2(b) and A2(c) have identified the receivers would be subject to construction noise impacts and in areas where existing noise barriers are to be altered or removed prior to commencement of construction, where feasible and reasonable. Where this is not feasible and reasonable, the Proponent must submit to the Secretary for approval a report providing justification as to why along with details of the temporary measures that would be implemented to reduce construction noise impacts until such time that the operational noise mitigation measures are implemented. The report must be provided to the Secretary prior to the commencement of construction works which would affect the identified receivers. Nothing in this condition prevents the Proponent from submitting separate reports for separate areas of construction.	N	N	N	Y	Y	Y	Y	Y	Y	Construction	Y	19/08/2016	Various	Compliant	CDS-JV	<p>CDS-JV are implementing operational noise mitigation measures early in the construction program, where reasonable and feasible.</p> <p>This requirement is addressed in Section 6.2 of the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0003) as well as the CNVIS. Where this cannot be implemented, a report stating why and the temporary measures to be used, will be provided to DP&E prior to commencement of the relevant construction works.</p> <p>Reports approved by DP&E to date under this condition include:</p> <ul style="list-style-type: none"> - Kingsgrove Permanent Noise Barriers (dated 19/08/2016) approved 26/08/2016 - Architectural treatment for 1 Kirrang St, Beverly Hills (dated 25/08/2016), approved 26/08/2016 - Local roads (dated 9/11/2016), approved 12/12/2016. - 1728 (1713 operational + 15 construction noise) properties listed are noted to date that qualify for acoustic treatment (these include additional dwellings not listed in the EIS but captured in the Noise Model). - Property addresses listed includes block of units which have been expanded to include individual units. - Of the 1728, 362 properties has been identified as "potential" requiring treatment. Further expansion of property addresses (for block of units) is still under investigation to identify number of unit dwellings. - 360 Properties Inspected, 329 SOW distributed, 153 had accepted offer. - 60 Properties are requesting higher treatment. - 48 Properties have Declined the offer. - 109 Properties are not responding and have been escalated to SMC . <p>As part of a change order issued on 08/06/18 which upgrades treatment of D19 properties: 168 (out of 187) Properties have been scoped/rescoped for upgraded treatment. 159 scopes have been distributed and 67 scopes accepted & returned.</p> <p>134 property treatments have been completed as of 22/8/2019. 11 property treatments remain to be completed.</p>	
D20		The Proponent must develop and implement a Temporary Noise Barrier Strategy which includes:	Y	Y	N	Y	Y	Y	Y	N	Y	Pre-construction, construction	Y	13/05/2016	Various	Compliant	CDS-JV	<p>The Temporary Noise Barrier Strategy (TNBS) has been staged and submitted to DPE as relevant to each stage of the project as described in QCCR 1 and QCCR 2. Temporary Noise Barrier Strategies for all construction stages of the project have been approved by DP&E. An update to the Temporary Noise Barrier Strategy for Campbell Road and Campbell Street, which addresses D20(a)(iii) was approved on 22/05/2017.</p> <p>An updated TNBS for Bexley was submitted to DPE on 9/05/18 to account for the removal of a barrier at the Bexley South Compound and installation of new site hoarding along Bexley Road. The TNBS was subsequently approved by DPE on 6/6/18.</p>	
D20	(a)	Identification and confirmation of all temporary noise barriers including -																	
D20	(a)	(i) the provision of a temporary noise barrier on the northern side of the Kingsgrove North construction compound to provide noise mitigation to highly affected residents at a level greater than that identified in the documents referred to in condition A2(b),																	
D20	(a)	(ii) consideration of the installation of temporary noise barriers on the southern and northern side of the M5 East Motorway during the relocation of the existing permanent noise barriers (or detail on why these noise barriers are not considered feasible and reasonable),																	
D20	(a)	(iii) consideration of the installation of temporary noise barriers along Campbell Road, Campbell Street and Euston Road (or detail on why these noise barriers are not considered feasible and reasonable), and																	
D20	(a)	(iv) temporary noise barriers around construction compounds;																	

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D20	(b)	the consultation and decision-making process for all temporary noise barriers; and																
D20	(c)	an acoustic report detailing the final barrier heights, material analysis and predicted benefits																
D20		The temporary barrier options must be developed in consultation with the landowners adjacent to the barrier locations prior to the adoption of a final design.																
D20		The Temporary Noise Barrier Strategy must be approved by the Secretary prior to site establishment works or construction works at the Kingsgrove North construction compound, the permanent noise barriers on the northern and southern side of the M5 East Motorway are removed, and/or road widening works are undertaken along Campbell Road, Campbell Street or Euston Road.																
D21		All acoustic sheds and non-acoustic sheds must be erected at construction ancillary facilities as soon as site establishment works at the facilities are completed and prior to undertaking any works or activities which are required to be conducted within the sheds.	N	N	N	Y	Y	Y	Y	Y	Y	Pre-construction	N	N/A	N/A	Compliant	CDS-JV	<p>The approved Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026) addresses this condition.</p> <p>Acoustic sheds were completed at the Bexley North, Kingsgrove North and South construction compounds. The Bexley South construction acoustic shed was completed by 30th August and Arncliffe construction compound acoustic sheds completed by 10th October.</p> <p>Acoustic sheds will be completed prior to the commencement of 24 hour spoil removal activities at the relevant sites.</p>
D22		The Proponent must conduct vibration testing prior to commencing vibration generating activities that have the potential to impact on heritage items and vibration monitoring during initial vibration generating activities to identify minimum working distances to retained heritage items to prevent cosmetic damage to these items. In the event that the vibration testing and monitoring shows that the preferred values for vibration are likely to be exceeded, the Proponent must review the construction methodology and, if necessary, implement additional feasible and reasonable mitigation measures, unless otherwise agreed to by the Secretary. Vibration monitoring must be undertaken where structures are identified to be within safe working distances of vibration generating equipment activities	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV	Requirements for assessment and monitoring of vibration are identified in the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0003) and the relevant CNVIS as described in Sections 5.1 and 5.2 of the CNVMP.
D23		The Proponent must undertake noise monitoring during initial high noise generating activities (such as piling, rock hammering, jack hammering) to accurately establish the LAeq to LA1(1 minute) differential and confirm the number of sensitive receivers which may experience sleep disturbance as a result of construction of the SSI during the evening and night-time periods. Management measures must be employed to minimise sleep disturbance impacts in accordance with the Construction Noise and Vibration Management Plan required by condition D68(b).	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV	<p>Requirements for assessment and monitoring of night-time high noise generating activities are identified in Sections 4.2.3 and 4.2.4 of the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0003). Recommended management measures are also identified in Section 6.2 of the CNVMP to minimise sleep disturbance impacts.</p> <p>Noise monitoring of plant and equipment continues to be undertaken as necessary to confirm noise modelling assumptions for high noise activities.</p>
D24		The Proponent must consult with potentially-affected community, religious, educational institutions and vibration-sensitive business and critical working areas (such as theatres, laboratories and operating theatres) to ensure that, where feasible and reasonable, noise generating construction works in the vicinity of the affected receivers are not timetabled during sensitive periods, unless other reasonable arrangements to the affected institutions are made at no cost to the affected institution. Consultation must be undertaken at least five days prior to undertaking noise generating construction works that would impact on the potentially affected vibration-sensitive receivers.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV	Ongoing consultation with stakeholders is maintained. For this past quarter, most of these receivers have been in the vicinity of tunnelling work and have only required confirmation that vibration will not affect their properties.
D25		During construction, proponents of other construction works in the vicinity of the SSI must be consulted and reasonable steps taken to coordinate works to minimise impacts on, and maximise respite for, affected sensitive receivers.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV	The project continues to consult with the Sydney Metro project as necessary regarding coordination of works to ensure minimal impacts to local residents.

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D26		The Proponent is to ensure that construction vehicle contractors operate so as to minimise any sleep disturbance impacts. Measures that could be used include toolbox talks, contracts that include provisions to deal with unsatisfactory noise performance for the vehicle and/or the operator, and specifying non-tonal movement alarms in place of reversing beepers or alternatives such as reversing cameras and proximity alarms, or a combination of these, where tonal alarms are not mandated by legislation.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	Recommended management measures to minimise sleep disturbance are identified in the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0003) to minimise sleep disturbance impacts. These include: - Minimising night work - Avoiding local roads - Toolbox talks that include awareness of local residents / sensitive receivers - Non-tonal alarms (quacker) - Minimise quantity of plant during the night period.
D27		Use of compression brakes must not be permitted for construction vehicles associated with the SSI during construction, unless in an emergency situation	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	Compression brakes will not be used unless required in an emergency. This is addressed in Section 6 of the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0003).	
D28		Should blasting be required, the Proponent must prepare a Blast Management Strategy in consultation with the EPA and submit the Blast Management Strategy to the Secretary prior to any blasting. The Blast Management Strategy must demonstrate that all blasting and associated activities will be undertaken in a manner that will not generate unacceptable noise and vibration impacts or pose a significant risk impact to residences and sensitive receptors. The Blast Management Strategy must also address the principles outlined in Hazardous Industry Planning Advisory Paper No 6: Hazard Analysis (Department of Planning, January 2011) and Assessment Guideline: Multi-Level Risk Assessment (Department of Planning and Infrastructure, May 2011) for the handling and storage of hazardous materials. Issues to be considered in the Blast Management Strategy must include, but not be limited to:	N	N	N	N	N	N	N	Y	N	Prior to blasting	N	16/01/2017	N/A	Compliant	CDS-JV	Blasting continues to be undertaken at Arncliffe, SPI and Kingsgrove. The Blast Management Strategy was updated and referenced in the EPL variation approved 1st December 2017. Blasting was completed in November 2018.
D28	(a)	details of blasting to be performed, including location, method and justification of the need to blast;																
D28	(b)	identification of any potentially affected noise and vibration sensitive sites including heritage buildings and utilities;																
D28	(c)	establishment of appropriate criteria for blast overpressure and ground vibration levels at each category of noise sensitive site;																
D28	(d)	details of the storage and handling arrangements for explosive materials and the proposed transport of those materials to the construction site;																
D28	(e)	identification of hazardous situations that may arise from the storage and handling of explosives, the blasting process and recovery of the blast site after detonation of the explosives;																
D28	(f)	determination of potential noise and vibration and risk impacts from blasting and appropriate monitoring and best management practices to minimise and manage any blasting impacts and assess compliance with conditions D34 and D35; and																
D28	(g)	community consultation procedures.																
D29		The vibration levels for blasting activities, including both above ground and underground work, must meet the requirements of conditions D34 and D35.	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	This requirement is addressed by the Blast Management Strategy. Vibration monitoring for blasting across the project during the reporting period indicated that blasting activities were compliant with the requirements of conditions D34 and D35.
D30		Blasts must be limited to an average of one single detonation in any one day, per sensitive receiver, and a maximum of six per week per sensitive receiver, unless otherwise agreed by the EPA through consultation on the Blast Management Strategy.	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	An application was submitted to EPA on 16th October 2017 to increase the blasts frequency at the Arncliffe construction site from 1 to 2 a day. EPA approved via licence variation on 1st December 2017. This allowed for two detonations in any one

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D30		<i>Note: For the purposes of this condition a single detonation may involve a number of individual blasts fired in quick succession in a discrete area.</i>															day, and a maximum of 12 blasts a week at the Arncliffe site. The EPL was subsequently varied on 25/05/18 to include St. Peters.	
D31		For any section of tunnel construction where blasting is proposed, a series of initial trials at reduced scale must be conducted prior to production blasting to determine site-specific blast response characteristics and to define allowable blast sizes to meet the airblast overpressure and ground vibration limits in conditions D34 and D35.	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	Trial blasting commenced at Arncliffe on 27th August 2017. Trial blasting commenced at Kingsgrove on 20th November 2017. Trial blasting commenced at St. Peters on 15th September 2017.
D32		Blasting associated with the project must only be undertaken during the following hours:	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	An application was submitted to EPA on 16th October 2017 to increase the hours available for blasting. EPA approved via licence variation on 1st December 2017 an increase in blasting hours between 7am-6pm Monday to Friday and between 8am-1pm on Saturdays.
D32	(a)	9:00 am to 5:00 pm, Monday to Friday, inclusive;																
D32	(b)	9:00 am to 1:00 pm Saturday; and																
D32	(c)	at no time on Sunday or on a public holiday,																
D32		or as otherwise allowed for by the EPA and outlined in the Blast Management Strategy. This condition does not apply in the event of a direction from police or other relevant authority for safety or emergency reasons to avoid loss of life, property loss and/or to prevent environmental harm.																
D33		Where vibration levels generated by blasting exceed the acceptable vibration dose values, feasible and reasonable mitigation measures must be considered and implemented.	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	All blasting undertaken was compliant with this requirement.
D34		Airblast overpressure generated by blasting associated with the SSI must not exceed the criteria specified in Table 2 when measured at the most affected residence or other sensitive receiver.	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	All blasting undertaken was compliant with this requirement.
D34		Table 2 - Airblast Overpressure Criteria (refer sheet 2)																
D35		Ground vibration generated by blasting associated with the SSI must be limited for human comfort to the criteria specified in Table 3 when measured at the most affected residence or other sensitive receiver.	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	All blasting undertaken was compliant with this requirement.
D35		Table 3 - Ground Vibration Limits for Human Comfort (AS 2187.2) (refer sheet 2)																
D35		<i>Notes: A sensitive site includes houses and low rise residential buildings, theatres, schools, and other similar buildings occupied by people. The recommendations in Table J4.5(A) of AS 2187.2 – 2006 Explosives – Storage and Use – Use of Explosives are intended to be informative and do not override statutory requirements with respect to human comfort limits set by various authorities. They should be read in conjunction with any such statutory requirements and with regard to their respective jurisdictions.</i>																
D36		The blasting criteria identified in conditions D34 and D35 do not apply where the Proponent has a written agreement with the relevant landowners to exceed the criteria. The Proponent must submit to the Secretary details on the propose increased blasting limits, where and when the blasting would occur, the mitigation and monitoring procedures that would be implemented and details of the consultation undertaken with the relevant landowners.	N	N	N	N	N	N	N	Y	N	Construction	N	N/A	N/A	Compliant	CDS-JV	There are no current written agreements in place.
D36	(a)	The following exclusions apply to the application of this condition: any agreements reached may be terminated by the landowner at any time should concerns about the increased blasting limits be unresolved																
D36	(b)	the blasting limit agreed to under any agreement can at no time exceed a maximum Peak Particle Velocity vibration level of 25 mm/s or maximum airblast overpressure level of 125 dB(peak); and																
D36	(c)	the provisions under this condition (to increase applicable blast criteria in agreement with the relevant landowners) do not apply where the property is a heritage item																

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D37		Prior to the commencement of construction in proximity to, or affecting, a heritage item or contributory item in a heritage conservation area, the Proponent must complete the archival recordings, including photographic recording of the heritage items, unless otherwise agreed by the Secretary. The archival recording must be undertaken by a qualified and experienced heritage consultant, in accordance with the How to Prepare Archival Records of Heritage Items (2003) guidelines issued by the Heritage Council of NSW. Within 12 months of completing the archival recording, or as otherwise agreed by the Secretary, the Proponent must submit a Heritage and Contributory Item Archival Recording and Research Report containing the archival and photographic recordings and historical research, to the Department, the Heritage Council of NSW, the local library, and the local Historical Society in the respective local government area(s).	Y	Y	Y	Y	Y	Y	Y	N	Y	Prior to construction	N	N/A	N/A	Compliant	CDS-JV	Archival recording is being undertaken by the project's heritage specialists, Extent Heritage, prior to construction in accordance with the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006) and the relevant guidelines. The requirement for a Heritage and Contributory Item Archival Recording and Research Report is also addressed in the CHSP and will be submitted to the relevant agencies, libraries and historical societies at the completion of the archival recording. Archival recording has been completed for the following items: - Dynamo Service Garage - St Peters Brickpit Geological Site - Rudders Bond Store - MacDonaltdown Stormwater Drainage Channel. Archival recording of items in heritage conservation areas has occurred at the following locations - Arncliffe Heritage Conservation Area - Bexley and Kingsgrove Heritage Conservation Area; and - St Peter's Construction Impact Corridor.
D38		The Proponent must complete archival recordings for any impacted part of the heritage conservation area prior to the commencement of construction within a respective heritage conservation area. Consultation with the Heritage Council of NSW (or its delegate) and the relevant council is to be carried out to determine the objectives and approaches to the archival recording. The archival recording of heritage conservation areas is to include, but not be limited to:	Y	Y	Y	Y	Y	Y	Y	N	Y	Prior to construction	N	N/A	N/A	Compliant	CDS-JV	This requirement, including the necessary consultation, is addressed in the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006). Archival recording is being undertaken by the heritage specialists, Extent Heritage, using a process developed in consultation with the NSW Heritage Council, National Trust and the relevant councils.
D38	(a)	comprehensive photographic recording of buildings, structures, open spaces, public realm, architecture, urban design, landscaping and streetscapes;																
D38	(b)	surveying and mapping of land use arrangements, street patterns and layouts, subdivision layouts, landscape design and street tree plantings; and																
D38	(c)	any other feasible recording requested and agreed to following consultation with the aforementioned stakeholders.																
D38		The archival recording of heritage conservation areas must be undertaken by a qualified and experienced heritage consultant, and should be undertaken in a manner generally reflective of the How to Prepare Archival Records of Heritage Items (2003) guidelines issued by the Heritage Council of NSW. Within 12 months of completing the archival recording, or as otherwise agreed by the Secretary, the Proponent must submit a Heritage Conservation Area Archival Recording and Research Report, for each relevant heritage conservation area, containing the archival and photographic recordings, mapping and historical research, to the Department, the Heritage Council of NSW, the local library, the local Historical Society in the respective local government area(s).																
D39		Prior to excavation works adjacent to the Alexandra Canal and St Peters Interchange the Proponent must engage a suitably qualified archaeologist whose experience complies with the Heritage Council of NSW's Criteria for Assessment of Excavation Directors (July, 2011) (referred to as the Excavation Director) to oversee and advise on matters associated with historic archaeology and to prepare an Archaeological Research Design and Excavation Methodology. The Archaeological Research Design and Excavation Methodology is to be submitted to the Heritage Council of NSW for review and comment prior to finalisation. The Archaeological Research Design and Excavation Methodology must:	N	Y	Y	N	N	N	Y	Y	Y	Prior to excavation	N	10/02/2016	2/08/2016	Compliant	CDS-JV	CDS-JV have engaged an Excavation Director, Graham Wilson, of Extent Heritage. Mr Wilson meets the relevant NSW criteria and is available to oversee and advise on historic archaeology. The role of the Excavation Director is described in the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006) and the Archaeological Research Design and Excavation Methodology (HARD), which has been prepared for the project by Mr Wilson. The HARD has been reviewed by the Heritage Council of NSW and relevant Councils. The HARD is included as Appendix D to the Construction Heritage Sub-Plan.
D39	(a)	be consistent with the NSW Heritage Council's Archaeological Assessments Guideline (1996);																
D39	(b)	provide for the detailed analysis of any heritage items discovered during the investigations;																The Excavation Director is continuing to be present and advise on archaeological issues.

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D39	(c)	include management options for discovered heritage items (including options for relocation and display); and																
D39	(d)	if the findings of the investigations are significant, provide for the preparation and implementation of a heritage interpretation plan.																
D39		Where excavation works are required in the vicinity of potential archaeological sites, the Excavation Director must be present to advise on archaeological issues and oversee excavation works. The Excavation Director must be given the authority to advise on the duration and extent of oversight required during excavation.																
D40		In the event that archaeological relics are discovered during construction, all work must cease in the affected area and the Excavation Director must be notified and attend the site to assess the finds, identify their significance level and provide mitigation advice according to the significance level and the impact proposed. In the event that the relics are identified as being of State or local significance, the Heritage Council of NSW must be notified in writing in accordance with section 146 of the Heritage Act 1977. An Archaeological Relics Management Plan specific to the relics or site encountered is to be prepared in consultation with the Heritage Council of NSW which is to outline all feasible and reasonable measures to be implemented to avoid and/or minimise harm to the State or locally significant heritage items. Works within the vicinity of the find must not recommence without the approval of a suitably qualified and experienced archaeologist in consultation with the Heritage Council of NSW. The Proponent must notify the Secretary in writing of any such encounter of an archaeological relic triggering this condition and must also notify the Secretary of the outcome of consultation with the Heritage Council of NSW.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Not yet triggered	CDS-JV WCX M5 AT	Where unidentified archaeological relics are discovered, CDS-JV would implement the Unexpected Heritage Finds Procedure, Annexure A to the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006). The HARD (Appendix D of the Construction Heritage Sub-Plan) provides further details about the processes and assessment that would be required where the discovery is determined to be significant. No archaeological relics have been discovered during the reporting period.
D41		In the event that archaeological relics are discovered, within 12 months of completing all archaeological investigations, unless otherwise agreed by the Secretary, the Proponent must prepare an Excavation Report containing the findings of any excavations, including artefact analysis and the identification of a final repository of any finds. The Excavation Report must be submitted to the Department, the Heritage Council of NSW, and the local library and the local Historical Society in the relevant local government area(s). A copy of the Excavation Report must be retained with the relics at all times.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Not yet triggered	CDS-JV	The requirement for an Excavation Report in accordance with this condition is addressed in the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006). No archaeological relics have yet been discovered for the project.
D42		The Proponent must undertake photographic and drawn archival recordings of the geological features of the St Peters Brickpit Geological Site prior to undertaking any works that would result in the features being obscured. The recordings should be included in the Heritage Interpretation Plan required by condition B40.	N	Y	N	N	N	N	Y	Y	N	Prior to construction	N	N/A	N/A	Compliant	CDS-JV	Archival recording of the St Peters Brickpit Geological Site was completed in April 2016 using 3-dimensional modelling. The archival recordings will be included in the Heritage Interpretation Plan. This requirement is addressed in the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006).



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			1A: CI-C3	1B: CA-C11	1C: HV Power	2A: CI-C3	2B: CA-C6	2C: C7	2D: CA-C11	3 (Tunnels)	4: CI2-C13							
D43		The Proponent must take all reasonable steps so as not to harm, modify or otherwise impact any Aboriginal heritage item associated with the SSI.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV	<p>The approved project EIS identified the known areas / items of Aboriginal Heritage significance within and surrounding the project footprint.</p> <p>No impacts to known Aboriginal heritage (inside or outside the project footprint) are expected to occur during the construction phase, with the implementation of management measures provided in the Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006).</p> <p>Should any activities be required beyond the approved project boundary, they would be assessed in regards to potential impact on Aboriginal heritage. The assessment of changes (that may extend beyond the approved footprint) is summarised in the CHSP (M5N-EN-PLN-PWD-0006).</p> <p>Measures to minimise impact to known and potential unknown Aboriginal heritage items are described in the CHSP and in the Unexpected Heritage Finds Procedure (Appendix A to the CHSP).</p> <p>No impacts to Aboriginal heritage items have occurred during the reporting period.</p>
D44		Where previously unidentified Aboriginal objects are discovered during construction of the SSI, all work should stop in the affected area and a suitably qualified and experienced Aboriginal heritage expert should be contacted to provide specialist heritage advice. The measures to consider and manage this process must be specified in the Construction Heritage Management Plan required by condition D68(c) and, where relevant, include registration in the OEH's Aboriginal Heritage Information Management System (AHIMS) register.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Not yet triggered	CDS-JV	<p>Impacts to Aboriginal heritage (inside or outside the SSI footprint) will be avoided by the project. Where previously unidentified Aboriginal objects are discovered, they will be managed in accordance with the Unexpected Heritage Finds Procedure (Appendix A to the Construction Heritage Sub-Plan). This requirement is addressed in the safeguards listed in the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006).</p> <p>No Aboriginal objects have been discovered to date for the project.</p>
D45		The Proponent must undertake a program of geotechnical coring at each pile location adjacent to Alexandra Canal to obtain sediment samples to a depth of seven metres. The sediment cores are to be examined by a suitably qualified and experienced archaeologist engaged by the Proponent to determine the potential for Aboriginal archaeological artefacts. The assessment by the archaeologist must be carried out prior to the commencement of excavation and/or piling works adjacent to the Canal. In the event that artefacts are uncovered, the Proponent must implement the procedures for unexpected finds required by condition D68(c)(i) and update the Construction Heritage Management Plan required by condition D68(c).	N	N	N	N	N	N	N	N	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	<p>This requirement is addressed by the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006).</p> <p>The sediment cores are being assessed by the project archaeologist, of Extent Heritage, prior to excavation or piling works adjacent to Alexandra Canal. If artefacts are discovered in the cores, the Unexpected Heritage Finds Procedure will be implemented.</p> <p>No artefacts or relics have been discovered to date in the reporting period.</p>

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13								
D46		Unless otherwise approved by the Secretary, heavy vehicle movements associated with the construction of the SSI are not permitted to use Wirega Avenue and Garema Circuit at Kingsgrove, or any other local road not identified for use in the documents referred to in conditions A2(b) and A2(c), unless approved by the Secretary. When seeking the Secretary's approval for use of such local roads, justification must be provided as to why use of the local road(s) is the only feasible and reasonable route along with details on how impacts on surrounding sensitive receivers will be managed.	N	N	N	Y	Y	Y	Y	Y	Y	Construction	Y	1/09/2016	19/10/2016	Compliant	CDS-JV	<p>Heavy vehicles associated with construction of the project will not use any unapproved road unless approval has been sought and obtained by the Secretary. This is described in Section 5.6 of the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026) and the Construction Traffic and Access Sub-Plan (CTASP; M5N-ES-PLN-PWD-0004). Where use of an unapproved local road is identified to be required for the project, a report outlining the justification for the proposed use will be submitted to DP&E.</p> <p>D46 report for use of Maddox/Bourke/Burrows Road to allow a direct route for heavy vehicles accessing works east of Eustyn Road was initially submitted to DPE on 2/3/18 and ultimately approved on 20/6/18 .</p> <p>Request to seek extension to Barwon Park Road D46 approval sent to M5AT 23/3/18 and was approved on 6/4/18.</p> <p>Burrows Road South D46 report was submitted to DPE on 3/4/18 and ultimately approved on 28/6/18 (outside the reporting period).</p>	
D47		Construction vehicles (including staff vehicles) associated with the SSI must be managed so that:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	<p>The management of construction vehicles is addressed by the Construction Traffic and Access Sub-Plan (CTASP; M5N-ES-PLN-PWD-0004) and the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026) for construction traffic noise management measures.</p> <p>Project inductions and the Drivers Code of Conduct (Section 6.13 of the CTASP) for the project, also provide additional measures to address these requirements.</p> <p>Traffic controls are inspected each fortnight as a minimum by the Traffic Engineers or Traffic foreman with relevant qualification, including any night-time traffic controls. This is specified in Section 8.10 of the CTASP.</p>	
D47	(a)	parking or queuing on public roads is minimised;																	
D47	(b)	idling and queuing in local residential streets is minimised, where practicable;																	
D47	(c)	heavy vehicles adhere to the nominated haulage routes identified in the Construction Traffic and Access Management Plan required under condition D68(a); and																	
D47	(d)	access and egress from construction compounds is undertaken in a safe and lawful manner, with particular regard be given to this compounds located in the vicinity of schools and the potential implementation of traffic management or signalisation, in consultation with the relevant council.																	
D48		Functional and safe pedestrian and cyclist access through and around worksites must be maintained during construction. This includes the consideration of 'safer by design' principles including the provision of appropriate sight lines and lighting. In circumstances where pedestrian and cyclist access is restricted due to construction activities, a satisfactory alternate route must be provided and signposted, including provision of footpaths where pedestrian access is reliant on grassed verges.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	<p>Maintenance of pedestrian and cyclist access, including the provision of alternate routes, is addressed by Sections 6.10 and 6.11 of the Construction Traffic and Access Sub-Plan (M5N-ES-PLN-PWD-0004).</p> <p>Pedestrian and cyclist access has been considered in the layout of construction compounds and alternate access has been provided where required.</p> <p>Traffic management plans for each specific traffic switch cover a pedestrian detour strategy and provide a safe alternate route.</p>	

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D49		Access to all properties must be maintained during construction, where feasible and reasonable, unless otherwise agreed by the relevant property owner or occupier. Any access physically affected by the SSI must be reinstated to at least an equivalent standard, unless agreed with by the property owner.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV	<p>Access to all properties has been maintained during the reporting period.</p> <p>Access to Businesses affected during construction staging was undertaken with a consultation phase prior commencing works. Adequate mitigation measures were considered to maintain primary accesses to all properties.</p> <p>Any access physically affected by the SSI will be reinstated to at least an equivalent standard, unless agreed by the property owner. Changes to access as a result of the project are addressed in Section 6.17 of the Construction Traffic and Access Sub-Plan (M5N-ES-PLN-PWD-0004).</p> <p>Traffic control plans and staging diagrams will provide details for any access arrangement during construction. Notification to property owners/occupiers will be undertaken prior to changed access arrangements in accordance with the Community Communications Strategy (M5N-CS-PLN-PWD-0008).</p>
D50		The Proponent must prepare and implement a Construction Parking and Access Strategy to further identify and effectively mitigate impacts resulting from on-and off-street parking changes during construction of the SSI. The Strategy must include, but not necessarily be limited to:	N	N	N	N	N	N	N	N	Y	Construction	Y	7/11/2016	23/12/2016	Compliant	CDS-JV	<p>The impact of construction works on parking is limited to local road works (Stage 4) activities. The Construction Parking and Access Strategy (M5N-AJV-TER-100-110-TM-1609) has been developed in consultation with affected stakeholders. Consultation has been undertaken with potentially affected residents and businesses as well as the following:</p> <ul style="list-style-type: none"> - City of Sydney Council - Inner West Council - Roads and Maritime. <p>The Strategy was submitted to DP&E on 7/11/16 for approval prior to the commencement of Stage 4 activities. Comments from DP&E were provided and Revision 2 of the Strategy was approved on 23/12/2016.</p> <p>Monitoring and reporting of monitoring results to the Secretary and relevant Councils was undertaken during the period.</p>
D50	(a)	confirmation and timing of the removal of on- and off-street parking associated with construction of the project;																
D50	(b)	comprehensive parking surveys of all parking spaces to be removed to determine current demand during peak, off-peak, school drop off and pickup, and weekend periods;																
D50	(c)	consultation with affected stakeholders utilising existing on- and off-street parking stock which will be impacted as a result of construction;																
D50	(d)	assessment of the impacts of changes to on- and off-street parking stock taking into consideration outcomes of consultation with affected stakeholders																
D50	(e)	identification of mitigation measures to manage impacts to stakeholders as a result of on and off-street parking changes including, but not necessarily limited to, staged removal and replacement of parking, provision of alternative parking arrangements, managed staff parking arrangements and working with relevant councils to introduce parking restrictions adjacent to work sites and compounds;																
D50	(f)	mechanisms for monitoring over appropriate intervals to determine the effectiveness of implemented mitigation measures;																
D50	(g)	provision of contingency measures should the results of mitigation monitoring indicate implemented measures are ineffective; and																
D50	(h)	provision of reporting of monitoring results to the Secretary and relevant councils at appropriate intervals.																
D50		The Construction Parking and Access Strategy must be submitted to the Secretary for approval prior to the commencement of construction.																
D51		Prior to commencement of any tunnelling works, the Proponent must prepare and implement a Spoil Management Plan for the SSI. The Spoil Management Plan is to be developed, in consultation the relevant council(s), for the approval of the Secretary. The Spoil Management Plan must incorporate detailed information on the handling and transport of spoil generated during construction of the SSI, and provide information regarding each of the broad parameters specified in the documents listed in conditions A2(b) and A2(c). The Spoil Management Plan is to be prepared separate to, but consistent with, the Construction Traffic and Access Management Plan required under condition D68(a).	N	N	N	N	N	N	N	Y	N	Prior to tunnelling	Y	25/07/2016	23/11/2016	Compliant	CDS-JV	Rev 8 of the spoil Spoil Management Plan (M5N-CN-PLN-PWD-08) was updated to address actions from an audit undertaken by the ER and submitted to DPE on 21/3/18.

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D52		The clearing of native vegetation must be minimised with the objective of reducing impacts to any threatened species, populations and ecological communities to the greatest extent practicable. Impacted vegetation must be rehabilitated with endemic species (in the first instance) and locally native species to the greatest extent practicable.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV	<p>The clearing of native vegetation is being minimised through design and construction where practicable. The avoidance of vegetation during the establishment of ancillary compounds is addressed in the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026) and the Tree Reports required under CoA B63. Site Environmental Plans identify areas of sensitive vegetation and habitat to be retained during construction.</p> <p>Additional opportunities to avoid vegetation clearance will be investigated throughout construction.</p> <p>Rehabilitation requirements are identified in the Flora and Fauna Sub-Plan (M5N-ES-PLN-PWD-0007) and are detailed in the Urban Design and Landscape Plan.</p> <p>No threatened species, populations and ecological communities have been removed during the reporting period.</p>
D53		Prior to removing/clearing any vegetation, pre-clearing surveys and inspections for threatened species, populations and ecological communities must be undertaken to confirm the on-site location of those entities. The surveys and inspections, and any subsequent relocation of species and associated management/offset measures, must be undertaken under the guidance of a suitably qualified and experienced ecologist. Methodologies must be incorporated into the Construction Flora and Fauna Management Plan required under condition D68(d) and Ancillary Facilities Management Plan required under condition D57. The agreement of OEH or DPI, whichever is the relevant agency, is required for any proposed amendments to the location or reclassification of threatened species, populations and ecological communities.	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV	<p>Pre-clearing surveys were undertaken between 10-13 May 2016 for areas containing vegetation to be removed for the project to determine the presence of actual or potential threatened species, populations, ecological communities or other significant habitat. The results of these surveys are included in Appendix F of the Construction Flora and Fauna Sub-Plan (CFFSP; M5N-ES-PLN-PWD-0007).</p> <p>Additional pre-clearing surveys were undertaken on 21 March 2017 at the Marsh Street/Eve Street frog pond site and the proposed Tempe Reserve gouting site.</p> <p>All clearing is being conducted in accordance with the CDS-JV Manage Flora and Fauna Procedure (Appendix B to the CFFSP), which requires a site-specific permit to clear and a pre-clearance inspection. Consultation requirements with OEH/DPI are also set out in the CFFSP and associated procedures.</p>
D54		The Proponent must prepare and implement a Construction Contamination Management Plan to manage potential contamination impacts during construction of the SSI (excluding contamination covered by the Landfill Closure Management Plan for the Alexandria Landfill site). The Construction Contamination Management Plan must be developed in consultation with the EPA and relevant councils, and include, but not be limited to:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	2/06/2016	N/A	Compliant	CDS-JV	<p>The Construction Contaminated Land Management Plan was provided to EPA, Sydney Water and the following councils on 17/05/2016 for consultation:</p> <ul style="list-style-type: none"> - City of Sydney - Georges River - Inner West - City of Botany Bay - City of Rockdale - Canterbury-Bankstown <p>The Construction Contaminated Land Management Plan was submitted to DP&E on 2 June 2016.</p> <p>DP&E provided comments on the Plan on 27/07/2016. The Plan was revised to address comments and Revision 2 was submitted on 13/12/2016.</p> <p>Rev 3 of the Plan was submitted to DPE on 25/6/18 due to the inclusion of Appendix C: Alexandria Canal Contamination Management Plan.</p>
D54	(a)	details of construction activities and their locations which have the potential to expose areas known to contain, or potentially contain, contaminated soils and/or materials;																
D54	(b)	details of management measures to minimise bed sediment mobilisation in Alexandria Canal. All measures must comply with the actions required of Remediation Order H01833, 23004/ Area #3151 issued by the EPA on 10 May 2004;																
D54	(c)	measures for the handling, treatment and management of hazardous and contaminated soils, materials and groundwater including measures to manage																

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D54	(d)	and/or minimise public health and safety concerns with regards to exposure to contamination;															
D54	(e)	an Unexpected Finds Procedure detailing procedures and management measures to be implemented in the event that contaminated material is uncovered in any area not identified in the documents referred to in conditions A2(b), A2(c) and A2(e);															
D54	(f)	a description of how the effectiveness of the actions and measures for managing contamination impacts would be monitored during the proposed works, clearly indicating how often this monitoring would be undertaken, the locations where monitoring would take place, and how the results of the monitoring would be recorded and reported; and															
D54		mechanisms for the monitoring, review and amendment of this Construction Contamination Management Plan.															
D54		The Construction Contamination Management Plan must be submitted to the Secretary prior to undertaking any works which may result in the disturbance of contaminated soil, land or materials.															
D54		Nothing in this condition prevents the Proponent from preparing separate Construction Contamination Management Plans for specific areas of work, rather than a plan which addresses the entire SSI															
D55		Dangerous goods, as defined by the Australian Dangerous Goods Code, must be stored and handled strictly in accordance with:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV
D55	(a)	all relevant Australian Standards;															
D55	(b)	for liquids, a minimum bund volume requirement of 110% of the volume of the largest single stored volume, within the bund; and															
D55	(c)	the Environment Protection Manual for Authorised Officers: Bunding and Spill Management, technical bulletin (EPA, 1997).															
D55		In the event of an inconsistency between the requirements listed from (a) to (c) above, the most stringent requirement must prevail to the extent of the inconsistency.															
D56		The Proponent must provide boundary screening within all construction sites that adjoin or are adjacent to residential and/or commercial properties, consistent with the surrounding context, in consultation with affected property owners.	Y	Y	N	Y	Y	Y	Y	Y	Y	Construction	N	N/A	N/A	Compliant	CDS-JV
		Boundary screening has been installed at ancillary facilities adjoining or adjacent to residential and/or commercial properties. This is addressed in Section 6.13 of the approved Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026). Screening includes temporary acoustic barriers, where applicable, which are described in the Temporary Noise Barrier Strategies as described under CoA D20.															
		Consultation has been completed with properties adjoining the following compounds for preparation of the Temporary Noise Barrier Strategies required under D20:															
		- Kingsgrove construction compounds (C1-C3)															
		- Bexley construction compounds (C4-C6)															
		- Arncliffe construction compounds (C7)															
		- SPI construction compounds (C8-C11)															
		- Campbell St construction sites and Camdenville Park minor ancillary facility.															
		Comments/feedback regarding boundary screening and noise walls has been considered by CDS-JV and incorporated where possible into the final site design plans.															

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D57		Prior to the establishment of the ancillary facilities described in the documents listed in conditions A2(b) and A2(c), the Proponent must prepare and implement an Ancillary Facilities Management Plan which outlines the environmental management practices and procedures for the establishment and operation of the ancillary facilities. The Ancillary Facilities Management Plan must be prepared in consultation with the EPA and the relevant council and submitted to the Secretary for approval. The Ancillary Facilities Management Plan must detail the management of these ancillary facilities, and include, but not be limited to:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	Y	3/05/2016	AFMP: 9/06/2016 Addendum 1: 18/07/2016	Compliant	CDS-JV	The Ancillary Facilities Management Plan (AFMP; M5N-ES-PLN-PWD-0026) was provided to the EPA and the following councils for consultation on 1/04/16: - City of Sydney - Hurstville (Georges River Council) - Marrickville (Inner West Council) - City of Botany Bay - Rockdale - Canterbury (Canterbury-Bankstown Council)
D57	(a)	a description of each ancillary facility (including a site layout plan), its components and details of the existing environment on and in the vicinity of the site;																	
D57	(b)	a description of the works proposed to be undertaken during site establishment;																	
D57	(c)	details of the activities to be carried out at each facility, including the hours of operation, staging of operation and predicted date of commissioning;																	
D57	(d)	a description of the plant, equipment and materials to be used and/or stored on each site, including dangerous and hazardous goods;																	
D57	(e)	a summary of the potential environmental impacts associated with the establishment and operation of the facility;																	
D57	(f)	details of the mitigation, monitoring and management procedures specific to each facility that would be implemented to minimise environmental and amenity impacts or, where this is not possible, feasible and reasonable measures to offset these impacts;																	
D57	(g)	measures to minimise and manage flora and fauna impacts including-																	
D57	(i)	clearing procedures incorporating pre-clearing surveys and inspections and measures for minimising the extent of clearing,																	
D57	(ii)	measures to protect the remaining portion of Cooks River/Castlereagh Ironbark Forest and ensure that it is not impacted by the establishment and operation of construction compounds,																	
D57	(iii)	procedures for removal and relocation of fauna during clearing, and construction worker induction and education;																	
D57	(h)	a description of how the management and mitigation measures set out in the documents referred to in conditions A2(b) and A2(c) will be implemented on each site, and if not, justification for any departures from those management and mitigation measures;																	
D57	(i)	details of the community consultation to be undertaken with affected and adjoining landowners and sensitive receivers																	
D57	(j)	details on the height and materials of noise barriers/hoardings at each facility;																	
D57	(k)	identification of the timing for the completion of site activities at each facility and how each site will be decommissioned (including any necessary rehabilitation); and																	
D57	(l)	mechanisms for the monitoring, review and amendment of the Ancillary Facilities Management Plan.																	
D57		In considering the approval of the Ancillary Facilities Management Plan, the Secretary will take into account the Proponent's response to public authority and relevant council comments on the plan.																	
D57		The Proponent must update the Ancillary Facilities Management Plan to incorporate the site establishment and operation practices required for any additional ancillary facilities approved by the Secretary under condition 063.																	
D57		No construction-related works or activities are to be undertaken on the ancillary facility sites prior to approval of the Construction Environment Management Plan required under condition D67.																	
D57		For the purposes of this condition, site establishment works does not include:																	
D57	(a)	piling (except for piling required for the erection of noise barriers around construction compounds); or																	

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D57	(b)	the erection of acoustic sheds at ancillary facilities; or																
D57	(c)	excavation activities (excluding excavation associated with trenching for services, site levelling for the erection of construction site offices and parking and storage and maintenance sheds; or excavation of sediment ponds for construction sediment and erosion control)																
D57		Such works are considered to be construction.																
D57		Nothing in this condition exempts the Proponent from fulfilling the requirements of any conditions in this approval which require certain plans, programs or actions to be undertaken prior to site establishment works or operation of an ancillary facility proceeding.																
D58		The Ancillary Facilities Management Plan must include an Arncliffe Construction Compound Sub-plan, prepared in consultation with OEH, which includes the following:	N	Y	N	N	N	Y	N	Y	N	Establishment Construction	Y	20/05/2016	9/06/2016	Compliant	CDS-JV	
D58	(a)	the management measures as specified in rows 4-12 of Table 1 of the Green and Golden Bell Frog Plan of Management presented in Appendix K of Appendix S, Volume 2H of the document referred to in condition A2(b) and any additional measures included in the updated management plan required by condition B14;															The Arncliffe Construction Compound Sub-plan (M5N-ES-PLN-ARN-0001) was provided to OEH for consultation on 3/05/16. The sub-plan was submitted to DP&E for approval on 20 May 2016 and was approved on 9/06/2016. The Sub-plan was updated (Revision 5) and submitted to DPE on 10/12/18 to include works which will require incursion into the Frog Exclusion Zone for construction of a retaining wall. In addition consistency with the DP&E approval of Revision 22 of the Green and Golden Bell Frog Plan of Management was included.	
D58	(b)	procedures for decommissioning of the surface water bodies within the construction compound; and																
D58	(c)	a stop-work procedure in the event that Green and Golden Bell Frogs are identified on site.																
D58		The management measures should specifically describe:																
D58	(a)	what information would be included in the site inductions, who would be inducted and the timing and responsibilities for induction;																
D58	(b)	the location and type of erosion and sediment controls to be implemented;																
D58	(c)	the methods for dust suppression;																
D58	(d)	acid sulphate soil management procedures; and																
D58	(e)	hygiene protocol to minimise the potential for the introduction and spread of Chytrid Fungus by plant, equipment, construction vehicles, construction workers and materials.																
D58		The Proponent is not required to consult with the relevant council on the Arncliffe Construction Compound Sub-plan.																
D59		Prior to establishing the Arncliffe construction compound (C7), the Proponent must implement the following management measures as specified in the first three rows of Table 1 of the Green and Golden Bell Frog Plan of Management presented in Appendix K of Appendix S, Volume 2H of the document referred to in condition A2(b):	N	Y	N	N	N	N	N	N	N	Prior to establishment	N	N/A	N/A	Compliant	CDS-JV	
D59	(a)	define the construction clearing area;															This pre-establishment requirement is addressed in the approved Arncliffe Construction Compound Sub-plan (M5N-ES-PLN-ARN-001), which includes the relevant procedures and other management measures to manage frog and tadpole salvage and relocation. The pre-establishment activities have been undertaken and the pre-clearance surveys were undertaken on 23-26th July 2016. Written advice from the TfNSW herpetologist was provided on 26/07/2016 and this advice was submitted to the Secretary DP&E on 27/07/2016. Decommissioning of ponds is complete at the site. The implementation of actions under the PoM is reported quarterly to DP&E and OEH. ER inspection reports also verify that these requirements are being implemented.	
D59	(b)	establish a frog exclusion zone; and																
D59	(c)	undertake pre-clearance survey and salvage activities (i.e. frog collection).																
D59		The Proponent must also establish a procedure for the collection of Green and Golden Bell Frog tadpoles from the existing surface waterbodies at the Kogarah Golf Course that will be impacted by the Arncliffe construction compound, and implement the procedure if tadpoles are present prior to decommissioning of the waterbodies.																
D59		Any salvaged frogs and tadpoles must be either relocated to the RTA ponds or an appropriate holding facility which is staffed by appropriately trained and experienced frog specialists.																
D59		No site establishment or construction-related activities or works are permitted at the proposed Arncliffe construction compound site until such time that the above management measures have been implemented and written notice to this effect has been provided to the Secretary by a suitably qualified and experienced frog specialist.																

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Ref	Sub Ref	Condition of Approval	Timing/phase									Secretary's Approval Required?	Date of first submission	Date of Secretary's Approval	Compliance Status	Responsibility	Comment / evidence (Quarter 13) (24/8/19 - 22/11/19)	
			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
D59		The management measures specified in (a) to (c) and above and tadpole collection may be undertaken prior to the Proponent implementing any actions that are required by the conditions set out in Parts B, C, D and E of this approval.																
D60		Site establishment works at ancillary facilities must be undertaken in accordance with the construction hours specified in conditions D12 and D14.	Y	Y	Y	N	N	N	N	N	N	Establishment	N	N/A	N/A	Compliant	CDS-JV	<p>This requirement is addressed by the construction hours and related management measures specified in Section 5.1.1 and Appendix B of the approved Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026).</p> <p>Site establishment works are complete in most areas. However, any additional site establishment works will be undertaken in accordance with this condition.</p> <p>All out of hours works during establishment activities are subject to an Out of Hours Work Permit approval, which provides an assessment of noise and vibration and compliance with the conditions of the EPL (D14) and this condition.</p>
D60		Notwithstanding, the following activities can be undertaken outside of the hours specified in conditions D12 and D14.																
D60	(a)	the delivery of materials/equipment/plant where it is required by the police or other authorities for safety reasons;																
D60	(b)	works required in an emergency to avoid the loss of lives, property and/or prevent environmental harm;																
D60	(c)	utility connections where the utility provider requires the connections be performed outside of the specified hours; or works which have the potential to impact on road/traffic safety and must be carried out as a result of RMS Traffic Management Centre requirements																
D61		The Proponent must comply with the requirements of conditions D16, D18, D22 and D24, when establishing ancillary facilities.	Y	Y	Y	N	N	N	N	N	N	Establishment	N	N/A	N/A	Compliant	CDS-JV	The nominated requirements are addressed through the control measures specified in Appendix B of the approved Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026) and the Construction Noise and Vibration Management Plan (M5N-ES-PLN-PWD-0039).
D62		Other than ancillary facilities described in the documents listed in conditions A2(b) and A2(c), or those ancillary facilities approved by the Secretary under condition D63, or allowed under condition D64, the location of ancillary facilities must comply with the following locational criteria:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV	<p>An assessment of each ancillary facility against the locational criteria is provided in Section 5.2 of the approved Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026), and in the case of the HV Power works sites, in the AFMP Addendum No. 1 (Appendix J to the AFMP).</p> <p>Where additional ancillary facilities are proposed they are also assessed against the criteria as described in the AFMP.</p> <p>All additional ancillary facilities assessed during the reporting period required approval under CoA D63 or D64.</p> <p>No additional ancillary facilities were established during the reporting period.</p>
D62	(a)	be located more than 50 metres from a waterway;																
D62	(b)	be located within or adjacent to land where the SSI is being carried out;																
D62	(c)	have ready access to the road network;																
D62	(d)	be located to minimise the need for heavy vehicles to travel on local streets and/or through residential areas;																
D62	(e)	be sited on relatively level land;																
D62	(f)	be separated from nearest residences by at least 200 metres (or at least 300 metres for a temporary batching plant);																
D62	(g)	not require vegetation clearing beyond that already required by the SSI;																
D62	(h)	not impact on heritage items (including areas of archaeological sensitivity) beyond those already impacted by the SSI;																
D62	(i)	not unreasonably affect the land use of adjacent properties;																
D62	(j)	be above the 20 ARI flood level unless a contingency plan to manage flooding is prepared and implemented; and																
D62	(k)	provide sufficient area for the storage of raw materials to minimise, to the greatest extent practical, the number of deliveries required outside standard construction hours.																
D63		Prior to establishment of any ancillary facility not described in the documents listed in conditions A2 (b) and A2(c) and which does not meet the locational criteria in condition D52, the Proponent must prepare and implement a Site-Specific Ancillary Facilities Management Plan. The Site-Specific Ancillary Facilities Management Plan must be prepared for the approval of the Secretary, and include:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	Y	9/09/2016	14/11/2016	Compliant	CDS-JV	<p>The assessment and approval requirements for additional ancillary facilities are described in Section 4.3 of the approved Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026). Where the ancillary facility does not comply with the locational criteria, or does not comprise a minor ancillary facility (condition D64), a site-specific ancillary facilities management plan will be submitted for approval.</p> <p>An updated SSAFMP was submitted to DPE on 6/8/18 in relation to land at Smith Street Tempe with the intention of using the land to store bricks from the demolished Rudders</p>
D63	(a)	a detailed description of the ancillary facility, including proposed use and access arrangements;																
D63	(b)	a review of the environmental and social impacts of the ancillary facility, including an analysis of compliance with the locational criteria specified in condition 0;																

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D63	(c)	measures to avoid, mitigate and manage environmental and social impacts associated with the ancillary facility; and															Bond Store. A SSAFMP (Rev 2) for Tolling Gantries at Kingsgrove, Bexley, Princes Highway and Marsh Street Interchanges was submitted to DPE on 8/8/18 and subsequently approved on 17/8/18.	
D63	(d)	demonstration that, with the measures proposed in accordance with (c), the impacts of the ancillary site are consistent with –																
D63	(i)	the overall project impacts described in documents listed in conditions A2(b) and A2(c), and																
D63		all relevant conditions of this approval.																
D64		The Secretary's approval is not required for minor ancillary facilities (e.g. lunch sheds, office sheds, and portable toilet facilities, etc.) that do not comply with the criteria set out in condition D62 of this approval and which:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV	Facilities that are considered to be minor under this condition will be assessed and approved by the Environmental Representative. The process to determine the assessment and approval requirements for new/amended ancillary facilities is described in Section 4.2.2 of the approved Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026).
D64	(a)	are located within an active construction zone within the approved SSI footprint; and																
D64	(b)	have been assessed by the Environmental Representative to have –																
D64	(b)	(i) minimal amenity impacts to surrounding residences, with consideration to matters such as noise and vibration impacts, traffic and access impacts, dust and odour impacts, and visual (including light spill) impacts, and																
D64	(b)	minimal environmental impact in respect to waste management, and no impacts on flora and fauna, soil and water, and heritage beyond those approved for the SSI; and																
D64	(c)	have environmental and amenity impacts that can be managed through the implementation of environmental measures detailed in the Construction Environment Management Plan required under condition D66.																
D65		All ancillary facilities and supporting infrastructure must be rehabilitated to at least their pre-construction condition or better, unless otherwise agreed by the landowner where relevant. Where the rehabilitated site is residual land then condition B67 applies.	N	N	N	Y	Y	Y	Y	Y	Y	Construction Post-construction	N	N/A	N/A	Not yet triggered	CDS-JV	Any ancillary facilities or other sites disturbed by the project will be rehabilitated in accordance with this requirement. Rehabilitation requirements are addressed by Section 7.19 of the approved Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026), and will be described in detail in the Urban Design and Landscape Plan for operational sites, or the Residual Land Management Plan for residual land, once finalised.
D66		The privacy of adjoining residential development is to be considered in the design and establishment of ancillary facilities. Where an ancillary facility overlooks residential property, privacy measures will be provided in consultation with the affected property owner.	Y	Y	N	Y	Y	Y	Y	Y	Y	Establishment Construction	N	N/A	N/A	Compliant	CDS-JV	Privacy of adjoining premises has been considered in the design of the ancillary facilities. Consultation was undertaken in September 2016 with affected property owners/occupiers on Glamis Street where the Kingsgrove C1 construction compound overlooks property. Measures have been implemented during establishment to maximise privacy, as described in Section 7.12 of the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026). The completed noise wall adjoining properties on Campbell St (west) provides privacy as well as noise mitigation.
D67		Prior to the commencement of construction, or as otherwise agreed by the Secretary, the Proponent must prepare and implement a Construction Environmental Management Plan (CEMP) for the SSI. The CEMP is to be prepared in consultation with the, OEH, DPI (Water) and the relevant council(s). The CEMP must outline the environmental management practices and procedures that are to be followed during construction. The CEMP is to be prepared in accordance with the Guideline for the Preparation of Environmental Management Plans (Department of Infrastructure, Planning and Natural Resources, 2004). The CEMP must include, but not be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Construction	Y	31/05/2016	4/08/2016	Compliant	CDS-JV	The Project Construction Environmental Management Plan (CEMP; M5N-ES-PLN-PWD-0001) was provided to OEH, DPI Water and the following councils for consultation on 3/05/2016: - City of Sydney - Hurstville - Marrickville (now Inner West Council) - City of Botany Bay - Rockdale - Canterbury The CEMP was submitted to DP&E for approval on 31 May

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D67	(a)	a description of activities to be undertaken during construction of the SSI (including staging and scheduling);														2016 and was approved by DP&E on 4/08/16.
D67	(b)	statutory and other obligations that the Proponent is required to fulfil during construction, including approvals, consultations and agreements required from authorities and other stakeholders under key legislation and policies;														Ongoing implementation of the CEMP is evidenced in the fortnightly ER inspection reports.
D67	(c)	a description of the roles and responsibilities for relevant employees involved in the construction of the SSI, including relevant training and induction provisions for ensuring that employees, including contractors and sub-contractors, are aware of their environmental and compliance obligations under these conditions of approval;														
D67	(d)	an environmental risk analysis to identify the key environmental performance issues associated with the construction phase; and														
D67	(e)	details of how environmental performance would be managed and monitored to meet acceptable outcomes, including what actions will be taken to address identified potential adverse environmental impacts (including any impacts arising from the staging of the construction of the SSI). In particular, the following environmental performance issues must be addressed in the CEMP –														
D67	(e)	i. measures to monitor and manage dust emissions including dust from stockpiles, blasting, traffic on unsealed public roads and materials tracking from construction sites onto public roads,														
D67	(e)	ii. measures for the handling, treatment and management of hazardous and contaminated materials (including asbestos),														
D67	(e)	iii. measures to monitor and manage waste generated during construction including but not limited to general procedures for waste classification, handling, reuse, and disposal, use of secondary waste material in construction wherever feasible and reasonable, procedures or dealing with green waste including timber and mulch from clearing activities. and measures for reducing demand on water resources (including potential for reuse of treated water from sediment control basins);														
D67	(e)	iv. measures to monitor and manage hazard and risks,														
D67	(e)	v. measures to monitor and rectify any impacts to third party property and infrastructure, including details of the process for rectification or compensation of affected landowners, and timeframes for rectification works or compensation processes, and														
D67	(e)	the sub-plans identified in condition D68														
D67		The CEMP must include procedures for its periodic review and update (including the sub-plans required under condition 068), as necessary (including where minor changes can be approved by the Environmental Representative).														
D67		Nothing in this condition prevents the Proponent from preparing a Stockpile Management Protocol as part of the CEMP.														
D67		The CEMP must be submitted for the approval of the Secretary no later than one month prior to the commencement of construction, or as otherwise agreed by the Secretary. The CEMP may be prepared in stages; however, construction works must not commence until written approval of the relevant stage has been received from the Secretary.														
D67		The approval of a CEMP does not relieve the Proponent of any requirement associated with this SSI approval. If there is an inconsistency with an approved CEMP and the conditions of this SSI approval, the requirements of this SSI approval will prevail.														
D68		As part of the CEMP for the SSI, the Proponent must prepare and implement:														

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D68	(a)	a Construction Traffic and Access Management Plan to ensure traffic and access controls are implemented to avoid or minimise impacts on traffic, pedestrian and cyclist access, and the amenity of the surrounding environment. The Construction Traffic and Access Management Plan must be developed in consultation with the relevant council(s), emergency services, road user groups, and pedestrian and bicycle user groups, and include, but not be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	25/05/2016	27/07/2016	Compliant	CDS-JV	<p>The Construction Traffic and Access Sub Plan (CTASP; M5N-ES-PLN-PWD-0004) was provided to OEH, DPI Water and the following councils for consultation on 3/05/2016:</p> <ul style="list-style-type: none"> - City of Sydney - Hurstville - Marrickville (now Inner West Council) - City of Botany Bay - Rockdale - Canterbury. <p>The CTASP was also provided to the following groups on 3/5/2016:</p> <ul style="list-style-type: none"> - NSW Police - NSW State Emergency Service - NSW Fire and Rescue - NSW Ambulance - NRMA - Motorcycle Council of Australia - Transport Workers Union - Action for Public Transport (ATP NSW) Inc - Pedestrian Council of Australia - Bicycle NSW - Bike Sydney - BikEast Inc - Bike Marrickville - Bike South West - Bikes Botany Bay - Cyclists against WestCONNex. <p>The CTASP was approved by DP&E on 27/07/16. Revision 7 of the CTASP was submitted to DP&E on 5/01/2017 for consistency with the approved Spoil Management Plan.</p> <p>Short term and long term traffic controls outlined in the CTASP are subject to regular monitoring by the project Traffic Engineers and Site Supervisors. Inspection records are maintained by the Traffic Team.</p>	
D68	(a)	i. identification of construction traffic routes including any known road closures and consideration of alternate routes and construction traffic volumes (including heavy vehicle/spoil haulage) on these routes;																		
D68	(a)	ii. details of vehicle movements for construction sites and ancillary facilities including parking, dedicated vehicle turning areas, and ingress and egress points;																		
D68	(a)	iii. demonstration that sufficient on-site parking is provided at construction compounds to accommodate all construction staff at any one time,																		
D68	(a)	iv. discussion of construction impacts that could result in disruption of traffic, public transport, pedestrian and cycle access, access to public land, property access, including details of oversize load movements, and the nature and duration of those impacts;																		
D68	(a)	v. details of management measures to minimise traffic impacts, including temporary road work traffic control measures, onsite vehicle queuing and parking areas and management measures to minimise peak time congestion and measures to ensure safe pedestrian and cycle access;																		
D68	(a)	vi. details of measures to maintain or provide alternative safe and accessible routes for pedestrians throughout the duration of construction;																		
D68	(a)	vii. details of measures to maintain connectivity for cyclists, with particular emphasis on providing adequate access between key existing cycle routes for commuter cyclists;																		
D68	(a)	viii. details of measures to manage traffic movements, parking, loading and unloading at ancillary facilities during out-of-hours work;																		
D68	(a)	ix. details of methods to be used to communicate proposed future traffic changes to affected road users, pedestrians and cyclists, consistent with the Community Communication Strategy required under condition C1;																		

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D68	(a)	x. an adaptive response plan which sets out a process for response to any traffic, construction or other incident; and															
D68	(a)	mechanisms for the monitoring, review and amendment of the Construction Traffic and Access Management Plan.															
D68	(b)	a Construction Noise and Vibration Management Plan to detail how construction noise and vibration impacts will be minimised and managed. The Plan must be consistent with the guidelines contained in the Interim Construction Noise Guidelines (DECC, 2009). The Construction Noise and Vibration Management Plan must include, but not be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Construction	Y	27/05/2016	7/07/2016	Compliant	CDS-JV
D68	(b)	i. identification of the work areas, site compounds and access points;															<p>The Project Construction Noise and Vibration Management Plan (CNVMP; TH014-15 01F01 WCX_NM5 / M5N-ES-PLN-PWD-0003) was provided to OEH, DPI Water, EPA (for Out-of-hours Protocol) and the following councils for consultation on 3/05/2016:</p> <ul style="list-style-type: none"> - City of Sydney - Hurstville - Marrickville (now Inner West Council) - City of Botany Bay - Rockdale - Canterbury <p>The CNVMP was submitted to DP&E for approval on 27 May 2016. The CNVMP has been updated to address DP&E comments and Revision 19 of the CNVMP was approved by DP&E on 7/7/16.</p> <p>An update (Rev 20) was submitted to DPE on 3/7/18 due to DPE's approval of the Bexley Temporary Noise Barrier Strategy on 6/6/18. This was subsequently approved on 7/9/18.</p> <p>Implementation of the CNVMP is evidenced through the fortnightly ER inspection reports.</p>
D68	(b)	ii. identification of sensitive receivers and relevant construction noise and vibration goals applicable to the SSI and stipulated in the conditions above;															
D68	(b)	iii. details of construction activities and an indicative schedule for construction works, including the identification of key noise and/or vibration generating construction activities (based on representative construction scenarios, including at ancillary facilities) that have the potential to generate noise and/or vibration impacts on surrounding sensitive receivers, particularly residential areas;															
D68	(b)	iv. details of the predicted worst-case noise and vibration levels, including cumulative impacts arising from concurrent construction works and potential for sleep disturbance;															
D68	(b)	v. figures illustrating the predicted safe working distances for vibration intensive activities and equipment;															
D68	(b)	vi. an Out-of-Hours Work Protocol for the assessment, management and approval of works outside of standard construction hours as defined in condition D12 of this approval, for the Secretary's approval. The Out-of-Hours Work Protocol must be prepared in consultation with the EPA and be consistent with the out-of-hours work procedure detailed in the Construction Noise Strategy (Transport Construction Authority, 2011) and-															
D68	(b)	A. provide an assessment of out-of-hours works against the relevant noise and vibration criteria,															
D68	(b)	B. provide detailed mitigation measures for any residual impacts (that is, additional to general mitigation measures), including extent of at-receiver treatments, and															
D68	(b)	C. set out proposed notification arrangements;															
D68	(b)	vii. justification for any construction works proposed to be undertaken within the Alexandria Landfill site outside of the construction hours specified in condition D12 and which do not meet the requirements of either conditions D13 and D15;															
D68	(b)	viii. identification of feasible and reasonable procedures and mitigation measures to ensure relevant vibration and blasting criteria are achieved, including a suitable blast program, applicable buffer distances for vibration intensive works, use of low-vibration generating equipment/vibration dampeners or alternative construction methodology, and pre- and post- construction dilapidation surveys of sensitive structures (including heritage items) where blasting and/or vibration is likely to result in damage to buildings and structures (including surveys being undertaken immediately following a monitored exceedance of the criteria);															
D68	(b)	ix. details of tunnelling including associated impacts, management and mitigation measures;															

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D68	(b)	x. Identification of feasible and reasonable measures proposed to be implemented minimise and manage construction noise and vibration impacts, especially sleep disturbance (including construction traffic noise impacts), including, but not limited to, acoustic enclosures, erection of noise walls (hoardings), at-property architectural treatments, respite periods and the limiting of truck movements during night periods including:																
D68	(b)	(A) consideration of mitigation measures for sensitive receivers adjoining Campbell Road, Campbell Street and Euston Road,																
D68	(b)	(B) the identification of receivers eligible for at-property acoustic treatment for the mitigation and management of operational noise (at-property acoustic treatments are to be installed prior to construction),																
D68	(b)	(C) the identification of receivers eligible for alternative accommodation as determined by the criteria identified within Table 12-49 of the EIS described within condition A2 (inclusive of the consideration and identification of shift workers for alternate accommodation), and																
D68	(b)	(D) the outcomes of community consultation regarding the implementation of any temporary noise barriers developed in accordance with condition D20																
D68	(b)	xi. a description of how the effectiveness of mitigation and management measures would be monitored during the proposed works, clearly indicating how often this monitoring would be conducted, the locations where monitoring would take place, how the results of this monitoring would be recorded and reported, and, if any exceedance is detected, how any noncompliance would be rectified;																
D68	(b)	xii. evidence that the EPA has been consulted on the Out-of-Hours Work Protocol and where and how any issues raised by, or requirements of the, EPA have been addressed; and																
D68	(b)	mechanisms for the monitoring, review and amendment of the Construction Noise and Vibration Monitoring Plan.																
D68	(c)	a Construction Heritage Management Plan to ensure, and provide detail of how, construction impacts on Aboriginal and non-Aboriginal heritage will be appropriately minimised and managed. The Construction Heritage Management Plan must include, but not be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Construction	Y	30/05/2016	2/08/2016	Compliant	CDS-JV	<p>The Project Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006) was provided to OEH, DPI Water, the Heritage Council of NSW, the Metropolitan Local Aboriginal Land Council, and the following councils for consultation on 3/05/2016:</p> <ul style="list-style-type: none"> - City of Sydney - Hurstville - Marrickville (now Inner West Council) - City of Botany Bay - Rockdale - Canterbury <p>The CHSP has been prepared and was submitted to DP&E for approval on 30 May 2016. The CHSP was approved by DP&E on 2/08/2016.</p> <p>Implementation of the CHSP is evidenced through the fortnightly ER inspection reports</p> <p>Note: Minor updates to the Construction Heritage Management Plan were approved by the ER as part of the projects annual review on 11th Oct 2017.</p> <p>An amended Construction Heritage Management Plan, which included photos of the Alexandra Canal embankment walls, was endorsed by the ER and submitted to DPE for their information on 26/3/18.</p>
D68	(c)	i. in relation to Aboriginal Heritage –																
D68	(c)	A. procedures for dealing with previously unidentified Aboriginal objects (excluding human remains), including cessation of works in the vicinity, assessment of the significance of the item(s) and determination of appropriate mitigation measures, including when works can re-commence, by a suitably qualified and experienced archaeologist in consultation with the OEH, and Aboriginal stakeholders, and assessment of the consistency of any Aboriginal heritage impacts against the approved impacts of the SSI,																
D68	(c)	B. procedures for dealing with human remains, including cessation of works in the vicinity, notification of, NSW Police Force, OEH and Aboriginal stakeholders, and commitment to cease recommencing any works in the area unless authorised by OEH and/or the NSW Police Force,																
D68	(c)	C. heritage training and induction processes for construction personnel (including procedures for keeping records of inductions and obligations under this approval) including site identification, protection and conservation of Aboriginal cultural heritage, and																

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D68	(c)	D. procedures for ongoing Aboriginal consultation and involvement for the duration of the SSI, in the event that previously unidentified Aboriginal objects are discovered; and															
D68	(c)	ii. In relation to non-Aboriginal Heritage –															
D68	(c)	A. identification of heritage items directly and indirectly affected by the SSI,															
D68	(c)	B. details of management measures to be implemented to prevent and minimise impacts on heritage items (including further heritage investigations, archival recordings and/or measures to protect unaffected sites during construction works in the vicinity),															
D68	(c)	C. details of monitoring and reporting requirements for impacts on heritage items,															
D68	(c)	D. procedures for dealing with previously unidentified heritage objects and relics, including cessation of works in the vicinity, assessment of the significance of the item(s) and determination of appropriate mitigation measures including when works can recommence by a suitably qualified and experienced archaeologist in consultation with the Heritage Council of NSW, and assessment of the consistency of any heritage impacts against the approved impacts of the SSI,															
D68	(c)	E. processes and mechanisms for the reuse and recycling of building and landscape components from contributory, potential and locally listed heritage items within other built or landscaped components of the SSI, and															
D68	(c)	F. heritage training and induction processes for construction personnel (including procedures for keeping records of inductions and obligations under this approval) including site identification, protection and conservation of non-Aboriginal cultural heritage; and															
D68	(c)	iii. mechanisms for the monitoring, review and amendment of the Construction Heritage Management Plan.															
D68	(c)	The Construction Heritage Management Plan must be developed in consultation with the OEH, Heritage Council of NSW (for non-Aboriginal heritage) and Registered Aboriginal Groups (for Aboriginal heritage).															
D68	(d)	a Construction Flora and Fauna Management Plan to detail how construction impacts on ecology will be minimised and managed. The Construction Flora and Fauna Management Plan must be endorsed by a suitably qualified and experienced ecologist and be prepared in consultation with the OEH, and must include, but not be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Construction	Y	27/05/2016	20/07/2016	Compliant	CDS-JV
D68	(d)	i. detailed maps showing the location of impacted and adjoining flora and fauna habitat areas;															
D68	(d)	ii. detailed maps showing where pre-clearing surveys will be undertaken to confirm the location of threatened species, populations and ecological communities;															
D68	(d)	iii. the identification of areas to be impacted and details of management measures to avoid residual habitat damage or loss and to minimise or eliminate time lags between the removal and subsequent replacement of habitat such as –															
D68	(d)	A. clearing minimisation procedures (including fencing),															
D68	(d)	B. clearing procedures,															
D68	(d)	C. removal and relocation of fauna during clearing,															
D68	(d)	D. habitat tree management,															
D68	(d)	E. fauna fencing, and															
D68	(d)	F. construction worker education;															

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13						
D68	(d)	iv. the management measures as specified in Table 2 and rows 4-12 of Table 1 of the Green and Golden Bell Frog Plan of Management presented in Appendix K of Appendix S, Volume 2H of the document referred to in condition A2(b) and in the updated management plan required by condition B14,															
D68	(d)	v. details of the measures to be implemented to prevent impacts to the retained Green and Golden Bell Frog habitat at the Kogarah Golf Course and Marsh Street ponds including, but not limited to types and amounts of materials to be stored at the sites, bunding around the stores, erosion and sediment control measures and dust suppression measures,															
D68	(d)	vi. proposed monitoring for the Green and Golden Bell Frog population at the Kogarah Golf Course in accordance with the updated management plan required by condition B14,															
D68	(d)	vii. details of the specific measures that would be implemented to protect the remaining portion of Cooks River/Castlereagh Ironbark Forest and ensure that it is not impacted by site establishment and construction activities,															
D68	(d)	viii. rehabilitation details, including identification of flora species and sources, and measures for the management and maintenance of rehabilitated areas;															
D68	(d)	ix. Noxious Weed and Pathogen Management Strategy, incorporating weed management measures focusing on early identification of invasive weeds and effective management controls, controls to prevent the introduction or spread of <i>Phytophthora cinnamomi</i> and myrtle rust (<i>Puccinia psidii</i> s./.), frog hygiene protocol to control the introduction of the Chytrid fungus (<i>Batrachochytrium dendrobatidis</i>), and predatory fish in Green and Golden Bell Frog habitat at Arncliffe,															
D68	(d)	x. where works impact on riparian land, a Vegetation Management Plan consistent with the DPI (2012) Guidelines for Vegetation Management Plans on Waterfront Land including (but not limited to),															
D68	(d)	xi. the monitoring of the condition of groundwater dependent ecosystems in Bardwell Valley Parkland and Broadford Street Reserve (Hinterland Sandstone Gully Forest) and Stotts Reserve (Coastal Sandstone Ridgetop Woodland),															
D68	(d)	xii. a nest box plan which addresses the replacement of hollows removed during the construction of the SSI,															
D68	(d)	xiii. a description of how the effectiveness of the flora and fauna management measures would be monitored;															
D68	(d)	xiv. a procedure for dealing with unexpected threatened species, populations and ecological communities identified during construction, including cessation of work and notification to the OEH, determination of appropriate mitigation measures in consultation with the OEH (including relevant re-location measures) and updating of ecological monitoring and/ or biodiversity offset requirements; and															
D68	(d)	mechanisms for the monitoring, review and amendment of the Construction Flora and Fauna Management Plan.															
D68	(e)	a Construction Air Quality Management Plan to detail how construction impacts on local air quality will be minimised and managed. The Construction Air Quality Management Plan must include, but not be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Construction	Y	27/05/2016	4/07/2016	Compliant	CDS-JV
D68	(e)	i. identification of sources (including stockpiles and open work areas) and quantification of airborne pollutants including odour;															
D68	(e)	ii. key performance indicators for local air quality during construction;															
D68	(e)	iii. details of air quality monitoring methods, including location, frequency and duration of monitoring;															
D68	(e)	iv. methods for assessing meteorological conditions and measures that would be implemented during adverse meteorological conditions;															

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
D68	(e)	v. best practice management mitigation measures to minimise impacts on local air quality including, but not limited to, the relevant revised environmental mitigation measures set out in the documents listed in condition A2(c);															approved by DP&E on 4/7/2016. Revision 5 of the CAQSP was submitted to DP&E on 25/08/2016 to address approval conditions. Implementation of the CAQSP is evidenced through the fortnightly ER inspection reports.	
D68	(e)	vi. measures for minimising the release of construction emissions from the site, including plant and equipment;																
D68	(e)	vii. procedures for record keeping and reporting against key performance indicators;																
D68	(e)	viii. provisions for implementation of additional mitigation measures in response to issues identified during monitoring and reporting; and																
D68	(e)	mechanisms for the monitoring, review and amendment of the Construction Air Quality Management Plan.																
D68	(f)	a Construction Soil and Water Management Plan to manage surface and groundwater impacts during construction of the SSI. The Construction Soil and Water Management Plan must be developed in consultation with DPI (Water) and the relevant councils, and include, but not be limited to:	N	N	N	Y	Y	Y	Y	Y	Y	Construction	Y	27/05/2016	15/07/2016	Compliant	CDS-JV	The Project Construction Soil and Water Quality Sub-Plan (CSWQSP; M5N-ES-PLN-PWD-0005) was provided to OEH, DPI Water and the following councils for consultation on 3/05/2016: - City of Sydney - Hurstville - Marrickville (now Inner West Council) - City of Botany Bay - Rockdale - Canterbury The CSWQSP was prepared and submitted to DP&E for approval on 27 May 2016. The CSWQSP was approved by DP&E on 15/7/2016. Implementation of the CSWQSP is evidenced through the fortnightly ER inspection reports.
D68	(f)	i. details of construction activities and their locations, which have the potential to impact on water courses and riparian land, storage facilities, stormwater flows, and groundwater, including identification of all pollutants that may be introduced into the water cycle;																
D68	(f)	ii. processes to ensure that Water Quality Pond No.2 at Arncliffe is not decommissioned until replacement water quality devices are operational;																
D68	(f)	iii. potential impacts on watercourse bank stability and the development of appropriate mitigation measures as required;																
D68	(f)	iv. measures to manage and/or minimise sediment and erosion, groundwater impacts and surface water quality impacts (including stormwater runoff and groundwater treatment);																
D68	(f)	v. where acid sulfate soils are known to occur or potentially occur, an Acid Sulfate Soils Management Plan, including measures for the management, handling, treatment and disposal of acid sulfate soils, including monitoring of water quality at acid sulfate soils treatment areas, should the project impact on acid sulfate soils;																
D68	(f)	vi. a description of how the effectiveness of the actions and measures for managing soil and water impacts would be monitored during the proposed works, clearly indicating how often this monitoring would be undertaken, the locations where monitoring would take place, how the results of the monitoring would be recorded and reported, and, if any exceedance of the criteria is detected how any non-compliance can be rectified; and																
D68	(f)	mechanisms for the monitoring, review and amendment of this Construction Soil and Water Management Plan.																
E1		The provision, operation and maintenance (including all auditing and validation of data) of all air quality monitoring and reporting must be funded by the Proponent.	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT CDS-JV	The Proponent has made allowance for this condition.
E2		The Proponent must monitor (by sampling and obtaining results by analysis) the pollutants, within the tunnel using the methodologies and frequency specified in Table 4 throughout the operation of the SSI. Monitoring must commence on the first day of operation of the SSI.	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT CDS-JV	This CoA applies to the operational phase of the Project and will be reported on in the quarterly Construction Compliance Reports and Pre-Operational Compliance Report. Monitoring will commence on the first day of operation of the Project in accordance with the Operational Environmental Management Plan
E2		Table 4 - In Tunnel monitoring methodology (refer sheet 2)																
E2		Note: 1. Special Method 1 means a method approved by the Secretary in consultation with the EPA.																

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
E3		The number and location of the monitoring stations inside the tunnel must be determined to permit an accurate calculation, per the requirements of conditions E4, E5 and E6, and be independently verified in accordance with a methodology approved by the Secretary in consultation with the EPA, prior to the operation of the SSI. As a minimum, monitoring stations must be installed at the entry portals, the base of the ventilation outlets, tunnel and ramp junctions and at the emergency smoke extraction facility. All sampling points and visibility monitoring points established under this condition must be audited prior commencing monitoring, for compliance with the requirements set out in Table 4. Verification and compliance auditing is to be undertaken by an independent person(s) or organisation(s) whose appointment has been approved by the Secretary. Air quality data is to be made available in as close to real time as possible, under the website reporting requirements of condition E24.	N	N	N	N	N	N	N	Y	N	Operation	Y	N/A	Not yet approved	Not Yet triggered	WCX M5 AT CDS-JV	This CoA applies to the detailed design of the tunnel air quality monitoring system and operational phase of the Project and will be reported on in the relevant quarterly Construction Compliance Reports and Pre-Operational Compliance Report. Modification 2 relating to Conditions E3 & E44 was approved by DPE on 30 August 2017. Request for approval of Samuel Wong from Air Noise Environment Pty Ltd as an independent person to perform verification and compliance auditing was submitted to DPE on 22/02/19 and approved 29/3/19.
E4		The Proponent must ensure that the average concentrations of CO and NO2, calculated along the length of the tunnel, do not exceed the concentration limit specified for that pollutant in Table 5. Table 5 - In-tunnel average limits along length of tunnel (refer sheet 2)	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT CDS-JV	This CoA relates to the operational phase of the project and will be reported on in line with the Compliance Tracking Program.
E5		The Proponent must ensure that the concentration of CO as measured at any single point in the tunnel must not exceed the concentration limit specified for that pollutant in Table 6 under all conditions (including congested conditions). Table 6 - In-tunnel single point exposure limits (refer sheet 2)	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT CDS-JV	This CoA relates to the operational phase of the project and will be reported on in line with the Compliance Tracking Program.
E6		The tunnel ventilation system must be designed and operated so that the visibility in the tunnel does not exceed the level specified in Table 7. Table 7 - In-tunnel visibility limits along length of tunnel	N	N	N	N	N	N	N	N	N	Design Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT CDS-JV	The Tunnel Ventilation System design has been developed to meet this criteria. The control system will be configured to automatically control the ventilation equipment to met this criteria.
E7		Prior to commencing operation, an independent person or organisation whose appointment has been approved by the Secretary must:	N	N	N	N	N	N	N	N	N	Prior to operation	Y	N/A	N/A	Not Yet triggered	WCX M5 AT CDS-JV	This condition will be implemented prior to operation following approval by the Secretary of the independent person. Progress will be reported in the Pre-Operation Compliance report.
E7	(a)	verify that compliance with in-tunnel limits detailed in Table 5, Table 6 and Table 7, will:																Request for approval of Gary Graham from Northstar Pty Ltd as an independent person to perform the requirements of E7 was submitted to DPE on 22/02/19 and approved 29/3/19.
E7	(a)	(i) supplement/not preclude compliance with the predicted air quality outcomes presented in the documents referred to in condition A2, and																
E7	(a)	(ii) not result in air quality impacts greater than predicted in the documents referred to in condition A2;																
E7	(b)	assess how the ventilation system has been optimised, taking into consideration energy requirements and air quality impacts for tunnel users; and																
E7	(c)	validate recorded monitoring data and certify compliance with the in-tunnel air quality limits.																
E7		The information required in this condition will be made available to the Secretary on request.																
E8		In addition to the general reporting requirements specified in condition E23, the Proponent must notify the Secretary, EPA and NSW Health of any recordings above the limits specified in conditions E4, E5 and E6 within 24 hours of the recorded event. The notification must detail the nature of the event, the concentration or visibility levels that occurred, the duration of the event, and the measures employed to minimise the concentration levels and/or improve the visibility levels.	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not yet triggered	WCX M5 AT CDS-JV	This CoA relates to an operational requirement and will be included in the Operational Environmental Management Plan. Progress will be reported where applicable, in the Pre-Operation Compliance report.
E8		This notification must provide details of the circumstances of the event, including:																
E8	(a)	the nature and location of the event, including any details relating to the cause;																
E8	(b)	the duration of the event;																

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E8	(c)	the extent and severity of the event;															
E8	(d)	the measures employed to minimise the concentration levels, and measures to improve visibility levels in the event that visibility levels were above the specified limit; and															
E8	(e)	the frequency of the event, including whether an event with the same or similar circumstances has occurred previously.															
E8		Based on consideration of the circumstances of the event, the Secretary may request the Proponent to prepare a Tunnel Air Quality Management Systems Effectiveness Report, in accordance with condition E9.															
E9		Within 20 working days of any request by the Secretary under condition E8, the Proponent must prepare and submit to the Secretary a Tunnel Air Quality Management Systems Effectiveness Report on the overall system performance and cause and major contributor of any exceedances, including:	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT CDS-JV
E9	(a)	the overall performance and concentration levels in the tunnel for the preceding six month period (or since commencement of operation, where the SSI has operated for under six months), including average and maximum levels and time periods;															This CoA relates to an operational requirement. The Proponent will comply with any such request by the Secretary. Any such request will be reported on in the subsequent operational compliance report. Request for approval of Ronan Kellaghan from EMM Pty Ltd as a suitably qualified and experienced independent specialist to undertake review of the Tunnel Air Quality Management Systems Effectiveness Report was submitted to DPE on 22/02/19 and approved 29/3/19.
E9	(b)	details of any instances throughout the operation of the SSI where pollutant concentration levels in the tunnel have exceeded the limits specified in conditions E4, E5 and E6; and															
E9	(c)	consideration of improvements to the tunnel air quality management system.															
E9		The Tunnel Air Quality Management Systems Effectiveness Report is to be prepared by the Proponent and reviewed by a suitably qualified and experienced independent specialist(s) whose appointment has been approved by the Secretary.															
E9		The Proponent must comply with any requirements arising from the Secretary's review of the Tunnel Air Quality Management Systems Effectiveness Report.															
E10		The Proponent must monitor (by sampling and obtaining results by analysis) the pollutants and parameters specified in Table 8 at the following locations as a minimum:	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV
E10	(a)	two ground level receptors near the Kingsgrove ventilation outlet, at locations suitable for detecting any impact on air quality from the outlet;															This CoA relates to an operational requirement. These reporting requirements will be included in the Operational Environmental Management Plan and will be reported on in the Pre-Operation Compliance Report and the operational compliance reports. DPE approval to use alternative monitoring technology was issued 7/11/18. Note: Ambient air quality monitoring commenced in December 2018 with results reported live since January 2019.
E10	(b)	two ground level receptors near the Arncliffe ventilation outlet, at locations suitable for detecting any impact on air quality from the outlet;															
E10	(c)	two ground level receptors near the St Peters ventilation outlet, at locations suitable for detecting any impact on air quality from the outlet;															
E10	(d)	one location within the vicinity of the St Peters Interchange, as a location suitable for detecting any impact on air quality within the surrounding residential receptors; and															
E10	(e)	one location, away from any of the locations at (a) to (d), suitable for providing background ambient air quality reference data for the project area.															
E10		The Proponent must use the sampling method, units of measure, and sampling frequency specified in Table 8.															
E10		Table 8 - Ambient Air Quality Monitoring Methodologies (refer sheet 2)															

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
E10		<p>Notes:</p> <p>1. Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales (EPA, 2007) or as otherwise agreed to in writing by the Secretary in consultation with the EPA.</p> <p>2. AS3580.9.8-2008, Methods for the Sampling and Analysis of Ambient Air – Determination of Suspended Particulate Matter – PM10 Continuous Direct Mass Method using Tapered Element Oscillating Microbalance Analyser (Standards Australia, 2008).</p> <p>3. AS 3580.9.13-2013, Methods for the Sampling and Analysis of Ambient Air – Determination of Suspended Particulate Matter – PM2.5 Continuous Direct Mass Method using a Tapered Element Oscillating Microbalance Analyser (Standards Australia, 2013).</p> <p>4. TBD - location for meteorological monitoring station(s) to be representative of weather conditions likely to occur in the vicinity of the Kingsgrove, Arncliffe and St Peters ventilation outlets.</p> <p>5. Appropriately modified to include size selective inlet for PM2.5 or as otherwise approved by the Secretary.</p>																
E11		<p>The monitoring locations must be selected with the objective of achieving like-to-like comparison of monitoring results with available pre-construction data. The locations must also allow for the independent team of experts to review the accuracy of predicted environmental outcomes discussed in the documents referred to in conditions A2(b) and A2(c) as part of the environmental audit required under condition E51.</p> <p>All monitoring stations must be established in locations agreed to by the AQCCC and subject to the land owner's and occupier's agreement.</p> <p>The establishment and operation of the stations is to be undertaken in accordance with recognised Australian standards and undertaken by an organisation accredited by NATA for this purpose and approved by the Secretary in consultation with the EPA and the AQCCC. The quality of the monitoring results must be assured through a NATA accredited process prior to the data being considered as a basis for compliance/auditing purposes.</p>	N	N	N	N	N	N	N	N	N	Design Operation	Y	N/A	Not yet approved	Compliant	WCX M5 AT CDS-JV	<p>Locations for all 8 monitoring station locations have been confirmed and agreed to by the AQCCC.</p> <p>DP&E approval to use Ecotech to establish / operate monitoring stations was issued 7/11/18.</p>
E12		<p>Monitoring results must be made publicly available and must be subject to an independent audit at six-monthly intervals (or at a longer interval, if approved by the Secretary). The auditor must be approved by the Secretary in consultation with the EPA and the AQCCC, and the auditor's report must be directly provided to the Proponent and the AQCCC.</p>	N	N	N	N	N	N	N	N	N	Operation	Y	N/A	Not yet approved	Compliant	WCX M5 AT CDS-JV	<p>This CoA relates to an operational requirement. These reporting requirements will be addressed in the Operational Environmental Management Plan and reported on in the Pre-Operation Compliance Report.</p> <p>Request for approval of Samuel Wong from Air Noise Environment Pty Ltd as independent auditor was submitted to DPE on 22/02/19 and approved 29/3/19.</p> <p>The first six months of (ambient air quality) monitoring data has been audited with the results publically available from Jan 2019.</p>
E13		<p>The Proponent must commence monitoring for at least twelve continuous months prior to operation and continue monitoring for at least two years following the commencement of operation. At the conclusion of the two year operational monitoring period, the Proponent must review the need for the commencement of the continuation of the ambient monitoring stations in consultation with the AQCCC. Any recommendation to close any or all of the stations will require the approval of the Secretary in consultation with the EPA.</p>	N	N	N	N	N	N	N	N	N	12 months prior to operation	Y	N/A	Not yet approved	Compliant	WCX M5 AT CDS-JV	<p>This CoA relates to a pre-operational and operational requirement. These reporting requirements will be addressed in the Operational Environmental Management Plan, the Pre-Operation Compliance Report and subsequent operational compliance reports.</p> <p>Note: Ambient air quality monitoring commenced in December 2018 with results reported live since January 2019.</p>
E14		<p>Should ambient monitoring of air pollutants exceed the following goals, the provisions of conditions E15, E16 and E17 will apply:</p>	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT RMS CDS-JV	<p>This CoA relates to an operational requirement. These limits will be included in the Operational Environmental Management Plan.</p>
E14	(a)	CO – 8 hour rolling average of 9.0 ppm (NEPM);																
E14	(b)	NO2 – One hour average of 0.12 ppm (245 µg/m3) (NEPM);																
E14	(c)	PM10 – 24 hour average of 50 µg/m3 (NEPM);																
E14	(d)	PM2.5 – 24 hour average of 25 µg/m3 (NEPM)																

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
E14	(e)	PM10 – annual average of 25 µg/m3 (NEPM); and																
E14	(f)	PM2.5 – annual average of 8 µg/m3 (NEPM)																
		Note: The notification and reporting obligations under conditions E15, E16 and E17 relating to ambient monitoring will begin at the commencement of operation of the SSI. The first annual average concentrations for PM10 and PM2.5 must be calculated on the first day the project been in operation for 12 months and on a rolling basis thereafter.																
E15		In addition to the general reporting requirements specified in condition E23, the Proponent must prepare an Ambient Air Quality Goal Protocol for the evaluation of a potential measurement that exceeds the goals. The Ambient Air Quality Goal Protocol must be developed by the Proponent in consultation with the AQCC and submitted to the Secretary for approval at least 12 months prior to the commencement of operation of the SSI.	N	N	N	N	N	N	N	N	N	12 months prior to operation	Y	Not yet submitted	Not yet approved	Compliant	WCX M5 AT RMS CDS-JV	The Ambient Air Quality Goal Protocol was issued to DPE on 21 December 2018 and subsequently approved on 6 February 2019.
E15	(a)	The Ambient Air Quality Goal Protocol must include: the form of and process for providing a Notification of Above-Goal Recording, subject to condition E16;																
E15	(b)	the form and contents of a Report on Above-Goal Recording, subject to condition E17;																
E15	(c)	and a process for appointing an independent person/organisation to prepare the Report on Above-Goal Reading. The process must include –																
E15	(i)	approval of the independent person/organisation by the Secretary prior to preparation of the report, and																
E15	(ii)	the appointment of the independent person/organisation at least with the agreement of the Secretary one month prior to the commencement of operation, or at some other time prior to preparation of the report																
E16		The Ambient Air Quality Goal Protocol must provide a Notification of Above-Goal Recording if ambient monitoring of air pollutants records an exceedance of the goals in condition E14. The Notification of Above-Goal Recording is to be submitted within 24 hours of the recording, to the Secretary, EPA and NSW Health. The Notification of Above-Goal Recording must detail:	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT RMS CDS-JV	This CoA relates to a pre-operation requirement which will be developed and submitted to the Secretary for approval at least 12 months prior to operation of the Project. This will be reported on in the Pre-Operation Compliance Report.
E16	(a)	the nature of the event;																
E16	(b)	the concentration or visibility levels that occurred;																
E16	(c)	the duration of the event;																
E16	(d)	the measures employed to minimise the concentration levels and/or improve the visibility levels; and																
E16	(e)	the Proponent's commitment to prepare and submit a Report on Above-Goal Recording in accordance with condition E17.																
E17		Within 20 working days of any Notification of Above-Goal Recording, the Proponent must prepare and submit to the Secretary a Report on Above-Goal Recording that details the cause and major contributor of the exceedance and the options available to prevent recurrence. Where the operation of the tunnel is identified to be a significant contributor to the recorded above-goal reading, the Report on Above-Goal Recording must include consideration of improvements to the tunnel air quality management system so as to achieve compliance with the ambient air quality goals, including but not limited to installation of the additional ventilation management facilities allowed for under condition 85, and discussion of whether those improvements are feasible and reasonable. The Proponent must comply with any requirements arising from the Secretary's review of the Report on Above-Goal Recording.	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT RMS CDS-JV	This condition will be included in the Protocol and activated as required during the operational phase of the Project. Any activation of this condition will be reported on in the subsequent operational compliance report.

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
E18		The Proponent must install monitoring equipment to monitor pollutants from the ventilation outlets. Pollutant monitoring from the ventilation outlets (by sampling and obtaining results by analysis) must be in accordance with the methods and frequencies for the pollutants and parameters specified in Table 9 and be undertaken at commencement of and throughout the operation of the SSI. The monitoring equipment must be independently audited prior to the commencement of monitoring for compliance with the requirements set out in Table 9. The independent person(s) or organisation(s) must be approved by the Secretary and paid for by the Proponent.	N	N	N	N	N	N	N	Y	N	Construction Operation	Y	N/A	Not yet approved	Not Yet triggered	WCX M5 AT RMS CDS-JV	Design and specification of ventilation outlet monitoring equipment will be in accordance with this condition. This design will be detailed in the In-Stack Air Monitoring Report. The proposed Independent Auditor will be submitted to the Secretary for approval prior to the commencement of operation and will be reported on in the Pre-Operation Compliance Report. Request for approval of Samuel Wong from Air Noise Environment Pty Ltd as independent auditor was submitted to DPE on 22/02/19 and approved 29/3/19.
E18		Table 9 - Ventilation Outlet Emission Monitoring Methodologies (refer sheet 2) Notes: 1. Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales (EPA 2007) or an alternative method approved by the Secretary in consultation with the EPA. 2. Must include, but not be limited to: Benzene, Toluene, Xylenes, 1,3-Butadiene, Formaldehyde and Acetaldehyde. 3. Must include, but not limited to; 16 USEPA priority PAHs, namely; Naphthalene, Phenanthrene, Benz(a)anthracene, Benzo(a)pyrene, Acenaphthylene, Anthracene, Chrysene, Indeno(1,2,3-cd)pyrene, Acenaphthene, Fluoranthene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, Fluorene, Pyrene, Benzo(k)fluoranthene, Benzo(g,h,i)perylene. 4. Special Method 1 means a method approved by the Secretary in consultation with the EPA.																
E19		The concentration of a pollutant discharged from the ventilation outlets must not exceed the respective limits specified for that pollutant in Table 10.	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT RMS CDS-JV	This CoA relates to an operational requirement. These limits will be included in the Operational Environmental Management Plan, which will be reported on in the Pre-Operational Compliance Report.
E19		Table 10 - Ventilation Outlet Mass Pollutant Concentrations (refer sheet 2)																
E20		An independent person or organisation approved by the Secretary must:	N	N	N	N	N	N	N	N	N	Operation	Y	N/A	Not yet approved	Not Yet triggered	WCX M5 AT RMS CDS-JV	This CoA relates to an operational requirement. An independent verifier will be recommended by the proponent, for approval of the Secretary, prior to the commencement of operation. The requirements for independent verification will be addressed in the Operational Environmental Management Plan. Request for approval of Gary Graham from Northstar Pty Ltd as independent verifier was submitted to DPE on 22/02/19 and approved 29/3/19.
E20	(a)	verify that compliance with ventilation outlet limits detailed in Table 10 will -																
E20	(a)	(i) supplement/not preclude compliance with the predicted air quality outcomes presented in the documents referred to in conditions A2(b) and A2(c), and																
E20	(a)	(ii) not result in air quality impacts greater than predicted in the documents referred to in conditions A2(b) and A2(c);																
E20	(b)	assess how ventilation outlet discharge velocities have been optimised taking into consideration energy requirements and air quality impacts at all sensitive receivers; and,																
E20	(c)	validate recorded monitoring data and certify compliance with the ventilation outlet limits.																
E20		The information required in this condition must be made available to the Secretary on request.																
E20		The ventilation outlet limits detailed in Table 10 must be reviewed on a five-yearly basis following commencement of operation of the SSI and may be lowered (i.e. made more stringent), subject to a sustainability assessment and there being improvements in vehicle fleet emissions, if the Proponent is directed to do so by the Secretary following consultation with the EPA.																

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E21		Should the results of monitoring show that any of the ventilation outlet limits specified in condition E19 have been exceeded, the Proponent must notify the Secretary, EPA and NSW Health within 24 hours of the recorded event. The notification must be followed up with a detailed report within 20 working days, which must be prepared by the Proponent, reviewed by a suitably qualified and experienced independent specialist(s), and submitted to the Secretary, on the cause and major contributor of the exceedance and the options available to prevent recurrence. The Secretary must approve the independent person/organisation prior to the commencement of operation, or at some other time prior to preparation of the report. Where the operation of the tunnel is identified to be a significant contributor to the recorded exceedance, this report must include consideration of improvements to the tunnel air quality management system so as to achieve compliance with the ambient air quality goals, including but not limited to installation of the additional ventilation management facilities allowed for under condition 85, and discussion of whether those improvements are feasible and reasonable. The Proponent must comply with any requirements arising from the Secretary's review of the Report.	N	N	N	N	N	N	N	N	N	Operation	Y	N/A	Not yet approved	Not Yet triggered	WCX M5 AT RMS CDS-JV	This condition relates to operational monitoring and will be complied with, as necessary, and reported on in the operational compliance reports. The proponent will recommend an independent person for approval prior to the commencement of operation and this will be reported on in the Pre-Operation Compliance Report. Request for approval of Ronan Kellagher from EMM Pty Ltd as a suitably qualified and independent specialist to report on the cause and major contributor to exceedances in ventilation outlet monitoring was submitted to DPE on 22/02/19 and approved 29/3/19.
E22		Conditions E4, E5, E6, E14 and E19 do not apply in an emergency, as defined in the OEMP required by condition E31(g). The Proponent must, as soon as reasonably practicable, notify the Secretary and the EPA of any such discharge.	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT RMS CDS-JV	This condition will be addressed in the OEMP and notifications will be provided during the operational phase as required.
E23		The Proponent must develop and implement a reporting system for in-tunnel, ambient and ventilation outlet limits in consultation with the EPA. The reporting system must be approved by the Secretary and fully implemented and operational prior to operation. Minimum analytical reporting requirements for air pollution monitoring stations must be as specified in the Approved Methods of Modelling and Assessment of Air Pollutants in NSW (EPA 2007, or as updated).	N	N	N	N	N	N	N	N	N	Prior to operation	Y	N/A	Not yet approved	Compliant	WCX M5 AT RMS CDS-JV	The reporting system has been developed in consultation with the EPA and was incorporated into the OEMP.
E24		Results of hourly updated real-time ambient monitoring of PM10, PM2.5, visibility, N02, and CO at the approved monitoring stations, in-tunnel CO/N02 and ventilation outlet measurements, and relevant meteorological data, must be provided on a website and made publicly available each month in hard copy format in an easy to interpret format. This data must be preliminary until a quality assurance check has been undertaken by a person or organisation accredited by NATA for this purpose. The availability of this data must be conveyed to the local community by way of newsletter (including translation into common community languages in the area) and newspaper advertisement at least one month prior to the commencement of operation.	N	N	N	N	N	N	N	N	N	Prior to operation	N	N/A	N/A	Compliant	WCX M5 AT RMS CDS-JV	The requirements for public provision of monitoring data will be addressed in the OEMP. The required community notifications will be provided one month prior to operation. This condition will be reported on in the Pre-Operation Compliance Report and subsequent operation compliance reports. Note: Ambient air quality monitoring commenced in December 2018 with results reported live since January 2019.
E25		The provision, operation and maintenance (including all auditing and validation of data) of all air quality monitoring and reporting must be funded by the Proponent.	N	N	N	N	N	N	N	Y	N	Construction Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT RMS CDS-JV	This requirement is noted and will be complied with.
E26		All continuous emissions monitoring systems installed and operated as a requirement of condition E18 must undergo relative accuracy test audits at an interval not exceeding 12 months, or as otherwise agreed to by the Secretary in consultation with the EPA.	N	N	N	N	N	N	N	Y	N	Construction Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT RMS CDS-JV	This requirement will be addressed in the OEMP and reported on in the operational compliance reports.
E27		The Proponent must appoint an external auditor to conduct an audit of the air quality monitoring (in-tunnel and external) at six-monthly intervals or at any longer interval if approved by the Secretary. Air quality audits must commence six months from commencement of operation. The auditor must ensure that the operating procedures and equipment to acquire air monitoring, meteorological data and emission monitoring data and monitoring reporting comply with NATA (or equivalent) requirements and sound laboratory practice. The Proponent must document the results of the audit and make available all audit data for inspection by the Secretary upon request. A copy of the audit report must also be issued to the Proponent and AQCCC. The auditor must be approved by the Secretary in	N	N	N	N	N	N	N	N	N	Operation	Y	N/A	Not yet approved	Not Yet triggered	WCX M5 AT RMS CDS-JV	An external auditor will be recommended for approval by the Secretary, in consultation with the EPA and AQCCC. Auditing and reporting required under this condition will be addressed in the OEMP and will be reported on in the operational compliance reports. Request for approval to use Air Noise Environment (ANE) as independent auditor / reviewer for air quality monitoring requirements submitted to DPE on 22/11/18. DPE comments

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		consultation with the EPA and the AQCC, and the auditor's report must be directly provided to the Proponent and the AQCC.															received 28/11/18 with subsequent reponse provided on the same day.	
E28		The Proponent must undertake appropriate quality assurance (QA) and quality control (QC) measures for air quality and ventilation outlet emission monitoring data. This must include, but not be limited to: accreditation/quality systems, staff qualifications and training, auditing, monitoring procedures, service and maintenance, equipment or system malfunction and records/reporting. The QA/QC measures must be approved by an independent expert approved by the Secretary prior to monitoring of air quality and ventilation outlet emissions as appropriate.	N	N	N	N	N	N	N	N	N	Operation	Y	N/A	Not yet approved	Triggered	WCX M5 AT	QA and QC measures will be addressed in the OEMP and will be approved by an independent expert that has been approved by the Secretary prior to commencement of monitoring. This will be reported on in the Pre-Operation Compliance Report. Request for approval of Ronan Kellagher from EMM Pty Ltd as independent auditor / reviewer for air quality monitoring requirements submitted to DPE on 22/02/19 and approved 29/3/19. QA/QC measures for ambient air quality monitoring have been provided to the nominated independent expert (Ronan Kallaghan) for review and endorsement
E29		The Proponent must assist the relevant council(s) in developing an air quality assessment process for inclusion in a Development Control Plan or other appropriate planning instrument, in considering planning and building approvals for new development in areas adjacent to the ventilation outlets which would be within a potential three-dimensional zone of affectation (buffer volume). This process must include procedures for identifying the width and height of buildings that are likely to be either affected by the plume from the ventilation outlet or affect the dispersion of the plume from the ventilation outlet through building wake effects. A part of this process, the Proponent must provide data detailing the results of modelling of pollution concentrations at various heights and distances from the ventilation outlets. The Proponent must meet all reasonable costs for the development of this process and any necessary amendments to the planning instrument(s) required to implement the process.	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT RMS CDS-JV	This CoA will be complied with during the operational phase and will be reported on in the Pre-Operation Compliance Report and subsequent operation compliance reports.
E30		Prior to operation, the Proponent must investigate, in consultation with the EPA, the measures for smoky vehicle enforcement in the New M5 tunnels, taking into consideration cost effectiveness. Any measures implemented as a result of investigation recommendations must be in accordance with current RMS smoky vehicle enforcement programs. The effectiveness of the smoky vehicle enforcement measures must be documented in the Independent Environmental Audit required under condition E51.	N	N	N	N	N	N	N	N	N	Prior to operation	N	N/A	N/A	Not Yet triggered	WCX M5 AT RMS CDS-JV	This CoA will be complied with and reported on in the Independent Environmental Audit and the Pre-Operation Compliance Report.
E31		Prior to the commencement of operation, or as otherwise agreed by the Secretary, the Proponent must prepare and implement an Operation Environmental Management Plan (OEMP) for the SSI. The OEMP must outline the environmental management practices and procedures that are to be followed during operation, and must be prepared in consultation with relevant agencies and in accordance with the Guideline for the Preparation of Environmental Management Plans (Department of Infrastructure, Planning and Natural Resources, 2004). The OEMP must include, but not be limited to:	N	N	N	N	N	N	N	N	N	One month prior to operation	Y	Not yet submitted	Not yet approved	Compliant	WCX M5 AT RMS CDS-JV	The OEMP will be prepared and implemented in accordance with this condition prior to operation. Operation will not commence until approval of the OEMP has been obtained from the Secretary. The OEMP was submitted to DPIE for approval on 12/11/19.
E31	(a)	a description of activities to be undertaken during operation of the SSI (including staging and scheduling);																
E31	(b)	statutory and other obligations that the Proponent is required to fulfil during operation, including approvals, consultations and agreements required from authorities and other stakeholders under key legislation and policies;																

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E31	(c)	overall environmental policies, guidelines and principles to be applied to the operation of the SSI;																
E31	(d)	a description of the roles and responsibilities for relevant employees involved in the operation of the SSI, including relevant training and induction provisions for ensuring that employees are aware of their environmental and compliance obligations under these conditions of approval;																
E31	(e)	an environmental risk analysis to identify the key environmental performance issues associated with the operation phase;																
E31	(f)	details of periodic testing of the tunnel ventilation system;																
E31	(g)	a definition of emergency as it applies to conditions 84, E22 and E44; and																
E31	(h)	details of how environmental performance would be managed and monitored to meet acceptable outcomes, including what actions will be taken to address identified potential adverse environmental impacts, including those safeguards and mitigation measures detailed in Section 8 the document referred to in condition A2 (and any impacts arising from the staging of the construction of the SSI). In particular, the following environmental performance issues must be addressed in the OEMP -																
E31	(h)	(i) air quality,																
E31	(h)	(ii) noise and vibration, through preparation of the Operational Noise Management Plan required under condition E34,																
E31	(h)	(iii) traffic,																
E31	(h)	(iv) climate change and energy use,																
E31	(h)	(v) visual amenity and landscaping,																
E31	(h)	(vi) groundwater level/pressure, inflows, groundwater contamination, treatment and discharge, soil, and subsidence,																
E31	(h)	(vii) groundwater dependent ecosystems, and																
E31	(h)	(viii) surface water quality and hydrology, including stormwater management.																
E31		The OEMP must be submitted for the approval of the Secretary no later than one month prior to the commencement of operation, or as otherwise agreed by the Secretary. Operation must not commence until written approval of the OEMP has been received from the Secretary.																
E31		<i>Note:</i> • The approval of an OEMP does not relieve the Proponent of any requirement associated with this SSI approval. If there is an inconsistency with an approved OEMP and the conditions of this SSI approval, the requirements of this SSI approval prevail.																
E32		The SSI must be designed and operated with the objective of meeting the requirements of the NSW Road Noise Policy (DECCW, 2011) and must, where feasible and reasonable, include the provision of at-property architectural treatment to all affected sensitive receivers in multi-level dwellings where the project noise criteria are exceeded, unless otherwise agreed to by the owner of the noise-affected residence.	N	N	N	N	N	N	N	N	N	Design Operation	N	N/A	N/A	Compliant	WCX M5 AT RMS CDS-JV	This CoA applies to the detailed design of the project which is ongoing. This CoA also applies to the operational phase. This CoA will be assessed and reported on in the Operational Noise and Vibration Review (ONVR), prior to the commencement of construction of permanent noise mitigation structures, in accordance with CoA E37. Compliance with this CoA will also be confirmed in the Operational Noise and Vibration Compliance Report, in accordance with CoA E38.

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E33		The Proponent must design and operate all fixed facilities, including the motorway operations complexes, tunnel portals; ventilation facilities, substations, pumps and water treatment plants, maintenance facility, workshops, car parking and the emergency smoke extraction outlets with the objective of not exceeding the noise requirements of the NSW Industrial Noise Policy (EPA, 2000) and the Sleep Disturbance Application Note to the NSW Industrial Noise Policy. The Proponent must apply mitigation at existing receivers where the noise requirements cannot be achieved.	N	N	N	N	N	N	N	N	N	N	Design Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV	This CoA applies to the detailed design of the project which is ongoing. This CoA also applies to the operational phase. This CoA will be assessed and reported on in the Operational Noise and Vibration Review (ONVR), prior to the commencement of construction of permanent noise mitigation structures, in accordance with CoA E37. Compliance with this CoA will also be confirmed in the Operational Noise and Vibration Compliance Report, in accordance with CoA E38.
E34		A detailed Operational Noise Management Plan must be prepared as part of the Operational Environmental Management Plan required by condition E31 and submitted to the Secretary for approval. The Operational Noise Management Plan must provide details of noise and vibration control measures to be undertaken during the operation stages, and generally in accordance with the NSW Road Noise Policy (DECCW, 2011) and the NSW Industrial Noise Policy (EPA, 2000). The Operational Noise Management Plan must include, but not be limited to:	N	N	N	N	N	N	N	N	N	One month prior to operation	Y	Not yet submitted	Not yet approved	Not yet triggered	WCX M5 AT CDS-JV	This CoA will be addressed as part of the OEMP which will be submitted to the Secretary for approval prior to the commencement of operation and will be reported on in the Pre-Operational Compliance Report. ONMP submitted to DPIE on the 28/06/19 and review comments provided on the 15/07/19. ONMP amended and resubmitted for approval on the 26/08/19	
E34	(a)	tests for ascertaining acoustic parameters;																	
E34	(b)	predicted noise levels;																	
E34	(c)	noise criteria for operation of the project based on the objectives of the NSW Road Noise Policy (DECCW, 2011) and the NSW Industrial Noise Policy (EPA, 2000);																	
E34	(d)	location, type and timing of erection of permanent noise barriers and/or other noise mitigation measures (including details of the barrier to replace the existing noise mound at Beverly Grove Park, consistent with the requirements of condition B62(f) demonstrating best practice including silencers and building treatments for associated plant rooms and enclosures for exposed plant; specific physical and managerial measures for controlling noise;																	
E34	(e)	noise monitoring, reporting and response procedures including the monitoring on surrounding roads which experience significantly increased traffic volumes as a result of the project, and including operational facilities;																	
E34	(f)	procedures for operational noise and vibration complaints management, including investigation and monitoring (subject to complainant agreement); and																	
E34	(g)	an Operational Ancillary Facility Noise Management Sub-Plan including, but not limited to -																	
E34	(h)	(i) identification of the final location of all operational ancillary facilities and plant including the Motorway Complex, ventilation facilities, tunnel jet fans and water treatment plants,																	
E34	(h)	(ii) the sound power levels of all chosen equipment and plant to be utilised during operation including spectral sound characteristics and frequency data,																	
E34	(h)	(iii) identification and/or confirmation of sensitive receivers and appropriate categorisation of the surrounding area in accordance with the INP,																	
E34	(h)	(iv) identification of the applicable noise goals, including spectral frequency, for all sensitive receivers identified as being potentially impacted by any operational ancillary facility,																	
E34	(h)	(v) presentation of noise assessment and predicted impacts including the use of mapping and noise contours,																	
E34	(h)	(vi) identification and implementation of appropriate mitigation measures including building treatment, site layout, attenuators and demonstration that chosen mitigation measures can adequately achieve the noise goals in the INP, and																	
E34	(h)	(vii) details of maintenance and inspection schedules to ensure plant, equipment and other operational ancillary facilities are operating at optimal levels; and																	

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E34	(i)	mechanisms for the monitoring and review of the Operational Noise Management Plan.																
E35		For the purpose of assessment of noise criteria specified in the Operational Noise Management Plan, required under condition E34, noise from the development arising from ventilation facilities and plant must be:	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not yet triggered	WCX M5 AT CDS-JV	This CoA will be addressed in the Operational Noise Management Plan, part of the OEMP, to be submitted to the Secretary for approval prior to operation. This CoA will be reported on in the Pre-Operational Compliance Report.
E35	(a)	measured at the most affected point on or within the site boundary at the most sensitive locations to determine compliance with LAeq,T noise limits;																
E35	(b)	measured in the free field at least three to five metres from any vertical reflecting surface in line with the worst-affected dwelling facade to determine compliance with LMax noise limits; and																
E35	(c)	subject to the modification factors provided in Section 4 of the NSW Industrial Noise Policy (EPA, 2000), where applicable.																
E35		Notwithstanding, should direct measurement of noise from the fixed facilities be impractical, the Proponent may employ an alternative noise assessment method deemed acceptable by the EPA (refer to Section 11 of the NSW Industrial Noise Policy (EPA, 2000)). Details of such an alternative noise assessment method accepted by the EPA must be submitted to the Secretary prior to the implementation of the assessment method.																
E36		The Proponent must design and operate the SSI with the objective, where feasible and reasonable, of not exceeding the vibration goals for human exposure for existing receivers, as presented in <i>Assessing vibration: a technical guideline</i> (DECC, 2006).	N	N	N	N	N	N	N	N	N	Design Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV	This CoA applies to the detailed design of the project which is ongoing and will be reported on in the quarterly Construction Compliance Reports and Pre-Operational Compliance Report. This CoA also applies to the operational phase, which will be reported on in the operational compliance reports.
E37		The Proponent must prepare an Operational Noise and Vibration Review (ONVR) to confirm noise and vibration control measures that would be implemented for the project. The ONVR must be prepared in consultation with the Department, relevant councils, other relevant stakeholders and the community and must:	N	N	N	Y	Y	Y	Y	N	Y	Construction	Y	Not yet submitted	Not yet approved	Compliant	WCX M5 AT CDS-JV	The ONVR was submitted to DPE on 30 October 2017. CDSJV addressed DPE comments and presented the ONVR to DPE in early March 2018 with the ONVR being approved on 15/05/2018. Rev E of the ONVR was submitted to DPE on 15/06/18 based on minor updates, this revision was approved on 29/06/2018. ONVR Rev F submitted to DPIE with the ONMP on the 26/08/19
E37	(a)	confirm the appropriate operational noise and vibration objectives and levels for adjoining development, including existing sensitive receivers;																
E37	(b)	confirm the operational noise predictions of the project based on the final design. Confirmation must be based on an appropriately calibrated noise model (which has incorporated additional 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 additional noise monitoring undertaken at appropriately identified noise catchment areas surrounding the facilities;																
E37	(c)	confirm the operational noise and vibration impacts at adjoining development based on the final design of the project, including operational daytime LAeq 15 hour and night-time LAeq 9 hour traffic noise contours;																
E37	(d)	review the suitability of the operational noise mitigation measures identified in the documents referred to at conditions A2(b) and A2(c) and, where necessary, investigate and identify additional feasible and reasonable noise and vibration mitigation measures required to achieve the noise criteria outlined in the NSW Road Noise Policy (DECCW, 2011) and NSW Industrial Noise Policy (EPA, 2000), including the timing of implementation;																
E37	(e)	include a consultation strategy to seek feedback from directly affected property owners (including educational institutions) on the noise and vibration mitigation measures; and																
E37	(f)	procedures for the management of operational noise and vibration complaints.																

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E37		The ONVR is to be verified by a suitably qualified and experienced noise and vibration expert. The ONVR is to be undertaken at the Proponent's expense and submitted to the Secretary for approval prior to the commencement of construction of physical noise mitigation structures, unless otherwise agreed by the Secretary.																
E37		The Proponent must implement the identified noise and vibration control measures and make the ONVR publicly available.																
E38		Within 12 months of the commencement of the operation of the SSI, or as otherwise agreed by the Secretary, the Proponent must undertake operational noise and vibration monitoring to compare the actual noise and vibration performance of the SSI against the noise performance predicted in the Operational Noise and Vibration Review required by condition E37 and the documents referred to in conditions A2(b) and A2(c). The monitoring program must be documented in an Operational Noise and Vibration Compliance Report. The Operational Noise and Vibration Compliance Report must include, but not be limited to:	N	N	N	N	N	N	N	N	N	Within 12 months of commencement of operation	N	N/A	N/A	Not yet triggered	WCX M5 AT RMS CDS-JV	This CoA relates to the operational phase. An Operational Noise and Vibration Compliance Report will be prepared and submitted to the Secretary and the EPA within 60 days of completing the operational noise monitoring. This will be reported on in the operational compliance reports.
E38	(a)	details of the noise and vibration monitoring program including methodology, location and frequency of noise monitoring;																
E38	(b)	results of the monitoring program and an assessment of these against the operational noise criteria specified in the Operational Noise Management Plan required by condition E34 and noise levels predicted in the Operational Noise Review required by condition E37 and the documents referred to in conditions A2(b) and A2(c);																
E38	(c)	details of any complaints received relating to operational noise and vibration impacts;																
E38	(d)	any required recalibration of the noise and vibration model taking account considerations such as traffic numbers and land use change (if applicable);																
E38	(e)	an assessment of the performance and effectiveness of the applied noise and vibration mitigation measures with regard to the operational noise criteria specified in the Operational Noise Management Plan required by condition E34; and																
E38	(f)	identification of any further feasible and reasonable noise and vibration mitigation measures required to meet the noise criteria specified in the Operational Noise Management Plan, where the criteria are exceeded, including timing and responsibilities for implementation.																
E38		The Proponent must provide the Secretary and the EPA with a copy of the Operational Noise and Vibration Compliance Report within 60 days of completing the operational noise monitoring, or as otherwise agreed by the Secretary.																
E39		The Proponent must implement further feasible and reasonable mitigation measures (where required) as identified in the Operational Noise and Vibration Compliance Report in consultation with affected property owners.	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not yet triggered	WCX M5 AT RMS CDS-JV	This CoA will be complied with where required during the operational phase.
E40		At both 12 months and 5 years after the commencement of operation of the SSI, or as otherwise agreed to by the Secretary, the Proponent must prepare a Road Network Performance Review Plan in consultation with Transport for NSW and the relevant councils that includes:	N	N	N	N	N	N	N	N	N	Operation	N	Not yet submitted	N/A	Not yet triggered	WCX M5 AT RMS CDS-JV	This CoA applies to the operational phase and will be reported on in the operational compliance reports.
E40	(a)	an updated analysis, including modelling of traffic impacts to the adjoining road network (including impacts on local roads and rat-running), as a consequence of the SSI. This must include a review of new information available about potential land use changes, and any traffic changes as a result of other major road projects within the project area;																
E40	(b)	further detailed investigations at the following intersections or sections of the road network-																
E40	(b)	(i) potential 'pinch-points' where the merging of tunnel exit traffic and surface traffic would occur at the King Georges Road Interchange and the St Peters Interchange,																
E40	(b)	(ii) King Street, between Sydney Park Road and Enmore Road,																
E40	(b)	(iii) Euston Road, between Sydney Park Road and Botany Road,																
E40	(b)	(iv) Princes Highway/Campbell Street,																

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
E40	(b)	(v) Princes Highway/Canal Road,																
E40	(b)	(vi) Princes Highway/Railway Road,																
E40	(b)	(vii) Gardeners Road/O'Riordan Street,																
E40	(b)	(viii) Sydney Park Road/Mitchell Road,																
E40	(b)	(ix) Gardeners Road/Bourke Road,																
E40	(b)	(x) Unwins Bridge Road/Campbell Street, and																
E40	(b)	(xi) Campbell Road/Euston Road;																
E40	(c)	updated consideration of potential mitigation measures to manage any predicted traffic performance deficiencies in association with the investigations undertaken under (b);																
E40	(d)	the predicted traffic performance improvements from these measures, including any cumulative improvements;																
E40	(e)	details on bus priority measures;																
E40	(f)	a comparison of the pre- and post-road network performance for all road users including, but not limited to, vehicles, freight, public transport and active transport;																
E40	(g)	justification of why the predicted 'do minimum' performance for any road users of any intersection on the adjoining road network cannot be maintained (if necessary); and																
E40	(h)	an updated description and proposed timing of potential mitigation measures, including measures to remove or limit any adverse impacts on any road user groups impacted by the SSI.																
E40		The Proponent is responsible for the implementation of the identified measures, if required.																
E40		The Road Network Performance Review Plan must be submitted to the Secretary, Transport for NSW (in relation to impacts on bus services) and to relevant council(s) within 60 days of its completion and made publicly available.																
E40		The purpose of the Road Network Performance Review Plan is to optimise road network performance including public transport access and times, and manage the performance impacts of the SSI on the adjoining road network by identifying or confirming mitigation improvements that could be required in areas where traffic performance may be unsatisfactory at time of completion of construction.																
E40		<i>Note:</i> • Identified mitigation measures may need to be further assessed under the Environmental Planning and Assessment Act, 1979. Works will need to meet relevant design standards and be subject to independent road safety audits.																
E41		The Proponent must liaise with relevant councils during detailed design to improve integration of the project with the local and regional road network. The outcomes of this consultation will be reported and incorporated in the Road Network Performance Review Plan required under condition E40.	N	N	N	N	N	N	N	N	N	Design Operation	N	N/A	N/A	Compliant	WCX M5 AT CDS-JV	Consultation with Councils is ongoing during the design process and the outcomes of this will be incorporated into the Road Network Performance Review Plan. Compliance with this condition will be reported in the operational compliance reports.
E42		The Proponent must prepare and implement an Operational Parking and Access Strategy to facilitate the optimisation of the return of on- and off-street parking removed or altered during construction and consequent to the operation of the SSI. The Strategy shall include, but not necessarily be limited to:	N	N	N	N	N	N	N	N	N	12 months prior to operation	Y	Not yet submitted	Not yet approved	Compliant	WCX M5 AT RMS CDS-JV	The Operational Parking and Access Strategy will be prepared and submitted to the Secretary at least 12 months prior to operation in accordance with this condition.
E42	(a)	confirmation and timing of the return of on- and off-street parking removed or altered as a result of construction and operation of the SSI with reference to the Residual Land Management Plan required in condition B67;																Compliance with this condition will be reported on in the Pre-Operation Compliance Report.
E42	(b)	review of comprehensive parking surveys required in condition D50(b) with consideration of changes in demand attributable to land use changes, acquisitions or other cumulative impacts;																Implementation of the Operational Parking and Access Strategy will be reported on during the operational compliance reports.
E42	(c)	consultation with affected stakeholders, including relevant councils, that will experience continued loss, return or additional on- and off-street parking;																Note: CDS requested an extension from DPE for the submission of the OPAS on the 29/01/19. The consultation period was

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E42	(d)	assessment of the impacts of changes to on- and off-street parking stock taking into consideration of outcomes of consultation with affected stakeholders and reviews of parking surveys;															<p>delayed due to design changes that required revisions to the OPAS before consultation could commence and was completed on the 31/01/19.</p> <p>The request for extension until 29/03/19 was approved by DPE on 19/02/19.</p> <p>The OPAS was submitted by TfNSW to DPE on the 29/03/19 and review comments received on 5/04/19.</p> <p>OPAS (Rev 4) was submitted to DPIE for approval on 22/07/19 and response to comments with letter from TfNSW issued on 18/11/19.</p>	
E42	(e)	identification of mitigation measures and arrangements to manage impacts to stakeholders as a result of on- and off-street parking changes including, but not necessarily limited to, provision of alternative parking arrangements, and working with relevant councils to introduce parking restrictions or permit schemes where appropriate;																
E42	(f)	mechanisms for monitoring of on- and off-street parking impacts and mitigation measures at 12 month intervals to determine the effectiveness of implemented mitigation measures and any supply and demand induced parking issues that are attributable to the SSI;																
E42	(g)	provision of contingency measures should the results of mitigation monitoring indicate implemented measures are ineffective; and																
E42	(h)	provision of reporting of monitoring results to the Secretary and relevant councils at 12 month intervals for the first five years of operation.																
E42		The use of residual land to achieve compliance with the objective of optimising the return of all on- and off-street parking is permitted. However, this must be justified within the Residual Land Management Plan required by condition B67.																
E42		The Strategy must be submitted to the Secretary for approval at least 12 months prior to the operation of the SSI, unless otherwise agreed by the Secretary. The Strategy must be implemented prior to the operation of the SSI.																
E43		The ongoing maintenance and operation costs of urban design, open space, landscaping and recreational items and works implemented as part of this approval will remain the Proponent's responsibility until satisfactory arrangements have been put in place for the transfer of the asset to the relevant authority. Prior to the transfer of assets, the Proponent will maintain items and works to at least the design standards established in the Urban Design and Landscape Plan required by condition B61.	N	N	N	Y	Y	Y	Y	Y	Y	Construction Operation	N	N/A	N/A	Not yet triggered	WCX M5 AT RMS CDS-JV	This condition is noted and will be complied with during the construction and operational phases, as required.
E44		Prior to operation, the Proponent must prepare an Emergency Response Plan, in consultation with FRNSW and NSW Police Force. The Emergency Response Plan must include, but not be limited to:	N	N	N	N	N	N	N	N	N	6 months prior to operation	N	N/A	N/A	Not yet triggered	WCX M5 AT CDS-JV	<p>An Emergency Response Plan will be prepared six months prior to operation and an emergency response exercise will be conducted at least one month prior to opening of the tunnels. This condition will be reported on during the Pre-Operation Compliance Report.</p>
E44	(a)	protocols and procedures to be followed during emergency situations associated with the operation of the project (including fires, explosions and, for the purposes of this condition, vehicle collisions). The protocols and procedures are to take into account the needs of people with a disability or who may experience access problems in emergency situations;																
E44	(b)	details of traffic management measures to be implemented during emergencies, where appropriate, to minimise the potential for escalation of the emergency;																
E44	(c)	design and management measures to address the potential environmental impacts of an emergency situation, including measures for containment of contaminated fire-fighting water, fuel spills and gaseous combustion products; design and management measures to address the potential environmental impacts of an emergency situation, including measures for containment of contaminated fire-fighting water, fuel spills and gaseous combustion products;																
E44	(d)	details of a training and testing program to ensure that-																
E44	(d)	(i) all operational staff are familiar with the Emergency Response Plan, and																
E44	(d)	(ii) coordination with FRNSW and NSW Police is regularly exercised; and																

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
E44	(e)	provision for a simulated emergency response exercise, including the Proponent, FRNSW and NSW Police, to be conducted in accordance with the approved Emergency Response Plan on at least one occasion at least one month prior to the opening of the tunnels to traffic. The time for the exercise is to be agreed by the participants, and FRNSW and NSW Police are to be provided with at least one month prior notification of any proposed time.																
E45		Fire simulation and hot smoke testing must be undertaken as part of the simulated emergency response exercise to be staged prior to opening of the project to traffic as required in condition E44(e). The Proponent must respond in writing to any recommendations made by FRNSW as a result of the exercise. Any outstanding concerns are to be resolved between FRNSW and the Proponent.	N	N	N	N	N	N	N	N	N	6 months prior to operation	N	N/A	N/A	Not yet triggered	WCX M5 AT RMS CDS-JV	This condition will be complied with as part of the emergency response exercise required by CoA E44. Compliance with this condition will be reported on in the Pre-Operation Compliance Report.
E46		The Proponent must undertake annual Hazard Reviews of the project for the first five years of operation. The Hazard Review must detail all hazardous incidents that have occurred during the preceding period, as per (a) to (c) below, identify safety measures required to rectify those incidents, and address any ongoing issues. The first Hazard Review must be undertaken for the first three months of operation after the opening of the project to traffic. Subsequent Hazard Reviews must be undertaken for the following nine months and thereafter twelve monthly intervals. FRNSW may also direct the Proponent to undertake a Hazard Review following any major incident in the tunnel. A Hazard Review Report, outlining the results of a Hazard Review, and any proposed additional safety measures to be implemented in response to the findings of the Hazard Review, must be submitted to FRNSW no later than one month after the review period. The Proponent must respond in writing to any recommendation made by FRNSW in relation to the findings of a Hazard Review, within such time as may be agreed by FRNSW. Any outstanding concerns are to be resolved between FRNSW and the Proponent.	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not yet triggered	WCX M5 AT RMS CDS-JV	Hazard reviews will be undertaken for the first five years of operation in accordance with this condition. A Hazard review report will be provided to FRNSW within one month of the review taking place. Compliance with this condition will be reported on during the operational compliance reports.
E47		The Proponent must develop a Fire Engineering Brief and Fire Engineering Report to address fire and life safety in the tunnel, in consultation with FRNSW. The documents must be prepared prior to finalising the detailed design for the tunnel. The documents must outline fire protection systems and other tunnel equipment, systems, and operational protocols required for fire and smoke management. In developing the Fire Engineering Brief and Fire Engineering Report, the Proponent must undertake a detailed fire engineering study in accordance with Australian Building Codes Board codes and guides, and Fire Safety Engineering Guidelines. Detailed design of the tunnel must incorporate the design and operational measures developed in the fire engineering study to minimise the potential for, and effect of, fire and hazardous material incidents in the tunnel. The final design of the tunnel in relation to the fire and life safety features must be verified against the fire engineering study in consultation with FRNSW by an Accredited Fire Engineer. The Proponent must respond in writing to any recommendation made by FRNSW in relation to the Fire Engineering Brief and Fire Engineering Report, within such time as may be agreed by FRNSW. Any outstanding concerns are to be resolved between FRNSW and the Proponent.	N	N	N	N	N	N	N	Y	N	Design	N	N/A	N/A	Compliant	WCX M5 AT RMS CDS-JV	Extensive presentations, consultation and collaboration has occurred since the commencement of the project to ensure the requirements of FRNSW are incorporated. The Fire Engineering Brief (FEB) has been issued previously and the Fire Engineering Report (FER) was issued in August 2017.
E48		Prior to the opening of the project to traffic, a full audit of the fire and life safety system as defined by the fire engineering study developed in condition E47 above must be undertaken by an Accredited Fire Engineer. The objective of the audit must be to ensure that all design and operational measures outlined in the fire engineering study have been installed, are operational, and achieve the required design criteria. The results of the audit must be submitted to FRNSW prior to opening of the project to traffic. The Proponent must respond in writing to any recommendations resulting from FRNSW review of the audit. Any outstanding concerns are to be resolved between FRNSW and the Proponent.	N	N	N	N	N	N	N	N	N	Prior to opening	N	N/A	N/A	Not yet triggered	WCX M5 AT RMS CDS-JV	An independent audit of the fire and life safety system will be undertaken prior to operation, in accordance with this condition. Compliance with this condition will be reported on in the Pre-Operation Compliance Report.

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			1A: C1-C3	1B: C4-C11	1C: HV Power	2A: C1-C3	2B: C4-C6	2C: C7	2D: C8-C11	3 (Tunnels)	4: C12-C13							
E49		A detailed maintenance-testing program outlining the methods of testing the fire and life safety systems and schedule for implementation must be developed in consultation with FRNSW prior to opening of the project to traffic. The Proponent must respond in writing to any recommendations made by FRNSW. Any outstanding concerns are to be resolved between FRNSW and the Proponent.	N	N	N	N	N	N	N	N	N	Prior to opening	N	N/A	N/A	Not yet triggered	WCX M5 AT CDS-JV	This CoA will be complied with prior to operation of the tunnels and compliance will be reported on during the Pre-Operation Compliance Report.
E50		Maintenance testing of fire and life safety systems must be undertaken at least annually, or any other interval as required by the design engineer and to the satisfaction of FRNSW. Results of maintenance testing must be made available to FRNSW for review, and the Proponent must respond in writing to any recommendations from FRNSW to ensure the reliability of the fire and life safety systems. Any outstanding concerns are to be resolved between FRNSW and the Proponent.	N	N	N	N	N	N	N	N	N	Operation	N	N/A	N/A	Not yet triggered	WCX M5 AT RMS CDS-JV	Maintenance testing of fire and life safety will be undertaken annually during the operational phase in accordance with this condition, and results made available for FRNSW review. Compliance with this condition will be reported on in the operational compliance reports.
E51		Within 12 months of the commencement of operation, and at any other stage required by the Secretary, the Proponent must commission and pay the full cost of an Independent Environmental Audit of the SSI. The Independent Environmental Audit must:	N	N	N	N	N	N	N	N	N	Within 12 months of commencement of operation	N	N/A	N/A	Not yet triggered	WCX M5 AT RMS CDS-JV	An Independent Environmental Audit will be conducted in accordance with this condition within 12 months of the commencement of operation. A copy of the audit report will be submitted to the Secretary within 60 days of completion of the audit.
E51	(a)	be conducted by a suitably qualified, experienced and independent team of experts whose appointment has been approved by the Secretary;																This condition will be addressed in the OEMP and reported on in the relevant operational compliance report.
E51	(b)	include consultation with the relevant agencies and relevant councils;																
E51	(c)	assess the environmental performance of the SSI and assess whether it is complying with the requirements in this approval, and any other relevant approvals (including any assessment, plan or program required under these approvals);																
E51	(d)	review the accuracy of predicted environmental outcomes discussed in the documents referred to in conditions A2(b) and A2(c);																
E51	(e)	review the adequacy of any approved strategy, plan or program required under the abovementioned approvals in (c); and																
E51	(f)	recommend measures or actions to improve the environmental performance of the SSI, and/or any strategy, plan or program required under these approvals.																
E51		Within 60 days of completion of the Independent Environmental Audit, or as otherwise agreed by the Secretary, the Proponent must submit a copy of the audit report to the Secretary and relevant public authorities, together with its response to any recommendations contained in the audit report.																
E51		Notes: <ul style="list-style-type: none"> This audit team must be led by a suitably qualified and experienced auditor, and include experts in air quality, biodiversity, noise and vibration, hydrology and any other fields specified by the Secretary. The audit may be staged to suit the staged operation of the SSI. 																



Appendix B: Revised Environmental Management Measures

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Traffic and transport	TT01	<p>A Construction Traffic Management and Access Plan (CTMSP) would be prepared as part of the CEMP. The CTMSP would include the guidelines, general requirements and principles of traffic management to be implemented during construction, including:</p> <ul style="list-style-type: none"> · Signage requirements (eg temporary speed restrictions, changes to the road environment, traffic management controls) · Lane possession and approval process during periods of online construction (eg line marking and temporary barriers) · Traffic control devices such as traffic signals · A local and regional communications strategy, including methods to provide advanced notice of any major or prolonged impacts (eg leaflets and local media), and real-time information regarding current impacts (eg variable message signs, radio traffic news) · Details of both the general approach to be used for access and egress to construction compounds and the specific controls required at specific locations · Any specific provisions required to manage potential impacts to sensitive users, such as schools, child care centres and health facilities. · Strategies to minimise impacts on on-street car parking due to construction workers. <p>The CTMSP would be prepared in accordance with Austroads Guide to Road Design (with appropriate Roads and Maritime supplements), the RTA Traffic Control at Work Sites manual and AS1742.3: Manual of uniform traffic control devices – Part 3:Traffic control for works on roads, and any other relevant standard, guide or manual.</p>	Pre-construction	Compliant	CDS-JV	<p>A Construction Traffic and Access Management Plan (CTAMP) was approved by DPE on 26/7/2016.</p> <p>The CTAMP has been prepared in accordance with Austroads Guide to Road Design (with appropriate Roads and Maritime supplements), the RTA Traffic Control at Work Sites manual and AS1742.3: Manual of uniform traffic control devices – Part 3:Traffic control for works on roads.</p>
Traffic and transport	TT02	<p>Construction methods and staging would be designed to minimise road closures, subject to other project constraints, and ensure that disruptions to existing traffic are minimised as much as feasible and reasonable.</p>	Construction	Compliant	CDS-JV	<p>Road disruptions are being minimised as much as possible (and where possible) through construction methodology and traffic staging and the development of Traffic Management Plans.</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						All traffic management plans are being assessed and approved via Sydney Coordination Office.
Traffic and transport	TT03	Construction works would be carried out offline, where possible. Where offline construction is not practical, and for tie-ins between online and offline sections of the project, construction sequencing and any temporary works identified would aim to minimise user delay while providing sufficient flexibility for the selected contractor to safely and efficiently construct the project	Construction	Compliant	CDS-JV	Road disruptions are being minimised as much as possible (and where possible) through construction methodology and traffic staging and the development of Traffic Management Plans. All traffic management plans are being assessed and approved via Sydney Coordination Office.
Traffic and transport	TT04	Works that would significantly reduce the performance of the road network would be scheduled for periods of typically lower traffic volumes where feasible and reasonable.	Construction	Compliant	CDS-JV	Road disruptions are being minimised as much as possible (and where possible) through construction methodology and traffic staging and the development of

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						<p>Traffic Management Plans.</p> <p>All traffic management plans including details of traffic volumes and timeframe are being developed and approved via Sydney Coordination Office after evaluation of each proposal.</p>
Traffic and transport	TT05	Work areas would be isolated from general traffic using temporary safety barriers where possible.	Construction	Compliant	CDS-JV	TfNSW approved concrete safety barriers are being used on the project as a primary control to isolate the work area from live traffic.
Traffic and transport	TT06	Temporary closed-circuit television (CCTV) and Variable Message Signs (VMS) would be provided at the outset of construction to link with the existing Transport Management Centre (TMC) network to facilitate monitoring and management of traffic impacts	Construction	Compliant	CDS-JV	A traffic control room has been established and is fully operational for construction of the project. In total there are 24 CCTV cameras in use on the Project (19 CCTV cameras from TMC with an additional 5 cameras since

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						acquired). Temporary VMS are also available for the project as required.
Traffic and transport	TT07	Traffic volume data would be analysed to identify capacity requirements, assess the potential impact of lane occupancies on traffic flows, plan lane occupancies to minimise the work area, and identify the best time to minimise inconvenience to road users. Restrictions and obstructions would be limited, road capacities maximised and peak traffic periods avoided where possible	Construction	Compliant	CDS-JV	Data collection has been undertaken where required to estimate potential impacts of the project related to construction traffic staging. Independent traffic switches required to enable traffic staging on the project have been evaluated with traffic modelling using SIDRA intersection software. Staging works that cause traffic disruption are provided in a traffic management plan for TfNSW approval.
Traffic and transport	TT08	Impacts on pedestrian paths and cycle lanes would be minimised, and alternatives provided during construction where practical and safe to do so	Construction	Compliant	CDS-JV	All impacts on pedestrian paths and cycle lanes are minimised and presented as part of the Traffic management plan (TMP)

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						process for TfNSW approval.
Traffic and transport	TT09	Impacts to bus stops would be identified and alternative locations and access would be provided. This would be undertaken in consultation with Transport for NSW and the relevant bus service provider	Construction	Compliant	CDS-JV	<p>This requirement has been addressed in Section 6.9 of Construction Traffic and Access Sub Plan (M5N-ES-PLN-PWD-0004).</p> <p>A bus stop along Euston Road Northbound south of Maddox Street has been relocated north of Maddox Street. This Bus Stop relocation is part of long term plan for Euston Road stage 1 B approved under a Traffic management plan.</p> <p>Consultation and approval were conducted in liaison with Transport for NSW.</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Traffic and transport	TT10	Local road closures would be managed and adequate property access maintained. This would be undertaken in consultation with Roads and Maritime, local councils and property owners likely to be impacted	Construction	Compliant	CDS-JV	<p>This is managed through the fortnightly traffic coordination group meetings. Then formal traffic management plans are developed to address property accesses as part of each plans (when required).</p> <p>Additional interface with Councils is organised via CDSJV community team to inform and consult of any upcoming closures and/or when required for specific impacts.</p> <p>ER: Confirmed during ER inspection of local road closures on 2 Sept 2017.</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Traffic and transport	TT11	A <u>spoil management plan</u> would be prepared with subsequent monitoring of heavy vehicle and haulage routes to ensure compliance and minimise impact on local roads off the arterial road network	Construction	Compliant	CDS-JV	<p>A Spoil Management Plan (M5N-CN-PLN-PWD-0002) has been developed and was provided to the following councils for consultation on 25/5/16:</p> <ul style="list-style-type: none"> - City of Sydney - Georges River - Inner West - City of Botany Bay - Rockdale City Council - Canterbury-Bankstown <p>The Spoil Management Plan was updated to address feedback received during consultation. Revision 6 of the plan was submitted to DP&E on 4/11/16, which was conditionally approved on 23/11/2016. The Plan was updated in accordance with the conditional approval and resubmitted to DP&E on</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						12/01/2017. Rev 8 of the spoil Spoil Management Plan (M5N-CN-PLN-PWD-08) was updated to address actions from an audit undertaken by the ER and submitted to DPE on 21/3/18.
Traffic and transport	TT12	A <u>road dilapidation report(s)</u> would be prepared identifying existing conditions of local roads and mechanisms to repair damage to the road network caused by heavy vehicle movements associated with the project.	Construction	Compliant	CDS-JV	Refer to CoA B59 (Appendix A)
Traffic and transport	TT13	Road occupancy licences would be obtained where required.	Construction	Compliant	CDS-JV	ROs are being systematically obtained with TMC under their Oplink Procedure.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Traffic and transport	TT14	The CTSMP would be developed in consultation with local emergency services and procedures would be implemented to maintain priority access and a safe environment for emergency vehicles to travel through construction areas. The CTSMP would include measures to keep emergency services informed of the staging and progress of construction works.	Construction	Compliant	CDS-JV	<p>The CTSMP was provided to the following emergency services on 3/5/16 for consultation:</p> <ul style="list-style-type: none"> · NSW Police · NSW State Emergency Service · NSW Fire and Rescue · NSW Ambulance <p>Ongoing consultation is being undertaken via the transport and traffic liaison group (TTLG).</p>
Traffic and transport	TT15	The location of the car park and site office associated with the Kingsgrove North construction compound (C1) would be further refined with alternatives considered during construction planning, including the opportunity for the use of the existing Garema Circuit carpark	Design	Compliant	CDS-JV	<p>Consideration of parking for the Kingsgrove North construction compound is provided in Section 6.16 of the Construction Traffic and Access Sub Plan (M5N-ES-PLN-PWD-0004). The Garema Circuit carpark is being used during the construction phase as described in Section 5.7 of the Ancillary Facilities Management</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						Plan (AFMP; M5N-ES-PLN-PWD-0026; Revision 6 submitted to DPE 11/01/17).
Traffic and transport	OpTT 01	A road safety audit would be undertaken by a qualified auditor(s) as part of the detailed design, and again immediately prior to project opening, to examine the design from a road safety perspective and identify potential safety issues. This process would be undertaken in accordance with the Roads and Maritime Accident Reduction Guide Part 2: Road Safety Audits (RTA, 2005a).	Design	Compliant	CDS-JV	Refer to CoA B49 (Appendix A)
Traffic and transport	OpTT 02	An operational traffic review would be conducted 12 months following the commencement of operation to confirm the operational traffic impacts of the project on surrounding arterial roads and major intersections. The operational traffic review would be undertaken by a suitably qualified traffic specialist that is independent of the design and traffic studies undertaken as part of the environmental impact statement. The operational traffic review would include (but is not limited to) an assessment of the level of service at major intersections on local roads around the St Peters interchange, the King Georges Road interchange and changes in traffic levels on parallel arterial roads, such as Stoney Creek Road.	Operation	Not yet triggered	WCX M5 AT	The operational traffic review is required to be undertaken 12 months after opening of the project and will therefore be reported against in the pre-operation compliance report.
Traffic and transport	OpTT 03	During detailed design, the ability to further reduce the width of Euston Road would be investigated through: <ul style="list-style-type: none"> · Further reductions in the lane widths and/or · Minimising the extent of, or need for, the central turning lane along Euston Road. This investigation would consider the changes to network performance, road safety for all users (including pedestrians), implications for access to properties along Euston Road, amenity improvements for pedestrians / cyclists, benefits to reduced impacts on Sydney Park and vegetation, and opportunities for additional landscaping.	Design	Compliant	WCX M5 AT	The bus lane turning right into Sydney Park Road from Euston Road has been removed during detailed design to reduce the width of Euston Road.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Air quality	AQ01	Develop and implement a <u>Construction Air Quality Management Plan</u> in consultation with the NSW EPA. Any measures that are required will differ depending on the activities occurring, and so will need to be tailored for each individual site.	Pre-construction	Compliant	CDS-JV	Refer to CoA D68(e) (Appendix A)
Air quality	AQ02	Carry out regular site inspections to monitor compliance with the Construction Air Quality Management Plan, record inspection results.	Construction	Compliant	CDS-JV	This REMM is addressed in Section 7 of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 4/07/16). Weekly environmental inspections by the Environmental Coordinators and fortnightly inspections by the Environmental Representative are completed during the construction phase of the project, to monitor compliance with the CAQSP.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Air quality	AQ03	Develop and implement a stakeholder communications plan that includes community engagement before work commences on site.	Pre-construction	Compliant	CDS-JV	The Community Communication Strategy (CCS)(M5N-CS-PLN-PWD-0008 Rev 04) has been reviewed, updated and forwarded to DPE. Further, as per section 6.7 of the CCS, SMC has formed an Air Quality Community Consultative Committee.
Air quality	AQ04	Display the name and contact details of person(s) accountable for air quality and dust issues at the boundaries of each construction area. This may be the environment manager/engineer or the site manager. Display the head or regional office contact information.	Pre-construction Construction	Compliant	CDS-JV	Refer Section 6 (AQ7) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Signage with project contact details is provided at the boundary fencing of all New M5 construction compound sites.
Air quality	AQ05	Plan site layout so that machinery and dust causing activities are located away from receivers, as far as is possible.	Design Construction	Compliant	CDS-JV	Refer Section 6 (AQ2) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Weekly environmental

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						inspections are completed by the Environmental Coordinators and fortnightly inspections by the Environmental Representative are completed during the construction phase of the project, to monitor compliance with the AQMP.
Air quality	AQ06	Erect solid screens or barriers around dusty activities or the site boundary.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ11 and AQ13) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Personnel receive inductions and ongoing training via toolbox talks to ensure awareness of dust management measures. Construction site boundaries are typically enclosed by noise barriers, hoardings and / or shade cloth type barriers which assist to

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						reduce dust emissions.
Air quality	AQ07	Ensure, where reasonable and feasible, that appropriate control methods are implemented to minimise dust emissions from the project site.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ2) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Weekly environmental inspections are completed by the Environmental Coordinators and fortnightly by the Environmental Representative during the construction phase of the project, to monitor compliance with the AQMP and this REMM.
Air quality	AQ08	Remove materials that have a potential to produce dust from site as soon as possible, unless being re-used on site. If they are being re-used on-site, cover as soon as practicable.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ4) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Weekly

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						environmental inspections are completed to monitor compliance with the CAQSP and this REMM. Toolbox talks are provided to ensure ongoing awareness of this issue is maintained.
Air quality	AQ09	Impose and signpost a maximum-speed-limit of 20 km/h on surfaced and unsurfaced haul roads and in work areas.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ32) of the (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16).
Air quality	AQ10	Not used.				
Air quality	AQ11	Where practicable, only use cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, (e.g. suitable local exhaust ventilation systems).	Construction	Compliant	CDS-JV	Refer Section 6 (AQ29) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Compliance with this requirement has been

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						confirmed during inspections for the period.
Air quality	AQ12	Ensure an adequate water supply on the site for effective dust/particulate matter suppression/mitigation, using non-potable water where possible and appropriate.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ15) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Water supplies have been provided and are being used at all construction sites, including water carts for dust suppression. Non-potable water has been used at the Arncliffe Construction Compound during the reporting period.
Air quality	AQ13	Where possible, use enclosed chutes and conveyors and covered skips.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ30) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16).

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						This measure has been implemented where feasible.
Air quality	AQ14	Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ31) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). The crushing plant at SPI uses fine water sprays. This measure is also considered for activities where potential dust impacts may occur.
Air quality	AQ15	Ensure equipment is readily available on site to clean any dry spillages, and clean up spillages as soon as reasonably practicable after the event using appropriate cleaning methods.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ16) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Spill kit locations are identified on Site Environmental Plans and spill response is addressed in inductions and

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						toolbox talks. Note:
Air quality	AQ16	Avoid scabbling (roughening of concrete surfaces) if possible.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ16) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16).
Air quality	AQ17	Stockpiles would be located outside overland flowpaths, and where left exposed and undisturbed for longer than 28 days, would be finished and contoured to minimise loss of material in flood or rainfall events. Materials which require stockpiling for longer than 28 days would be stabilised by compaction, covering with anchored fabrics, or seeded with sterile grass where appropriate.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ24) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16) and Section 7.1 of the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005; approved 15/07/16). Compliance with this requirement has been confirmed during inspections for the period.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Air quality	AQ18	Where a stockpile, eg sand or fine aggregate, has the potential to generate dust, control measures would be implemented. These would include wetting the stockpile, covering the stockpile or contouring the stockpile.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ25) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Management of dust associated with stockpiles is managed through covering the stockpile and spraying with water and/or polymer.
Air quality	AQ19	Ensure bulk cement and other fine powder materials are delivered in enclosed tankers and stored in silos with suitable emission control systems to prevent escape of material and overfilling during delivery.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ33) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Deliveries of bulk cement are used at Arncliffe in accordance with this requirement.
Air quality	AQ20	For smaller supplies of fine powder materials ensure bags are sealed after use and stored appropriately to prevent dust.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ34) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Small supplies of cement, lime and bentonite are stored in bags which are sealed

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						until they are used. Bags are used completely.
Air quality	AQ21	Use water-assisted dust sweeper(s) on the access and local roads, to remove, as necessary, any material tracked out of the site.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ35) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16) Street sweepers are used on the project at construction sites and compounds as required to remove material from roads. Compliance with this requirement has been confirmed during inspections for the period.
Air quality	AQ22	Avoid dry sweeping of large areas.	Construction	Compliant	CDS-JV	This is addressed in Section 6 (AQ18) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Sweepers use water spray. This has been

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						confirmed during inspections for the period.
Air quality	AQ23	Ensure vehicles entering and leaving sites are covered to prevent escape of materials during transport.	Construction	Compliant	CDS-JV	<p>This is addressed in Section 6 (AQ36) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16).</p> <p>All haulage trucks on boarded onto the project are checked to ensure mechanical covers are in position & operational on the truck. Daily monitoring from site teams is undertaken to ensure compliance with this requirement and is captured as part of a Chain of Responsibility (CoR) inspection audit.</p> <p>Traffic controllers are also</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						managing this requirement at site exit gates. This has been confirmed during inspections for the period.
Air quality	AQ24	Inspect on-site haul routes for integrity and instigate necessary repairs to the surface as soon as reasonably practicable.	Construction	Compliant	CDS-JV	Refer Table 10, Section 7 of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Inspections of working areas are undertaken daily, weekly and monthly during construction.
Air quality	AQ25	Record all inspections of haul routes and any subsequent action in a site log book.	Construction	Compliant	CDS-JV	Refer Table 10, Section 7 of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Spoil team personnel drive the approved road network daily and no issues with air quality have been raised

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						during the reporting period.
Air quality	AQ26	Where reasonable and feasible, haul roads will be maintained with water carts and graders, and the condition of the roads will be monitored.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ37) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). During the reporting period, the sites are at various stages of construction with some internal haul roads completed and others still under development. Haulage routes are monitored by site teams and are cleaned and maintained as required. No issues raised to date

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Air quality	AQ27	Implement site exit controls (e.g. wheel washing system and rumble grids) to dislodge accumulated dust and mud prior to leaving the site where reasonably practicable.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ38) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16).
Air quality	AQ28	Ensure there is an adequate area of hard surfaced road between the wheel wash facility and the site exit, wherever site size and layout permits.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ39) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16).
Air quality	AQ29	Access gates to be located at least 10 metres from receivers where possible.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ39) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16).
Air quality	AQ30	Ensure all construction vehicles comply with their relevant emission standards.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ40) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). This measure was identified as an Area of Concern during ER audits for the Q2 period. Additional checks

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						have since been included in pre-start forms to check for non-compliant exhaust emissions.
Air quality	AQ31	Ensure that, where practicable, engine idling is minimised when stationary.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ41) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). This requirement is monitored on sites by Site Foremen. Inspections during the period have not identified any non-compliances with this requirement.
Air quality	AQ32	Avoid the use of diesel or petrol powered generators and use mains electricity or battery powered equipment where practicable.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ42) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). All sites now have access to mains power and use of generators is avoided where possible.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Air quality	AQ33	Promote and encourage sustainable travel (public transport, cycling, walking, and car-sharing).	Construction	Compliant	CDS-JV	Refer Section 6 (AQ43) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). During the project on-boarding process this REMM is discussed with all employees and is reinforced during site inductions.
Air quality	AQ34	No bonfires and burning of waste materials.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ44) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). No burning of waste occurs at project sites. Compliance with this requirement has been confirmed during inspections for the period.
Air quality	AQ35	Soft strip inside buildings before demolition (retaining walls and windows in the rest of the building where possible, to provide a screen against dust).	Pre-construction Construction	Compliant	CDS-JV	Refer Section 6 (AQ20) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). No demolition

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						undertaken during the reporting period.
Air quality	AQ36	Ensure effective water suppression is used during demolition operations. Hand held sprays are more effective than hoses attached to equipment as the water can be directed to where it is needed. In addition high volume water suppression systems, manually controlled, can produce fine water droplets that effectively bring the dust particles to the ground and may be more useful for covering larger areas.	Pre-construction Construction	Compliant	CDS-JV	Refer Section 6 (AQ21) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). No demolition undertaken during the reporting period.
Air quality	AQ37	Minimise explosive blasting where possible during demolition, using appropriate manual or mechanical alternatives.	Pre-construction Construction	Compliant	CDS-JV	Refer Section 6 (AQ22) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Blasting activities complete.
Air quality	AQ38	Bag and remove any biological debris or other hazardous materials such as asbestos, damp down such material before demolition.	Pre-construction Construction	Compliant	CDS-JV	Refer Section 6 (AQ23) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Asbestos removal has been undertaken in

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						accordance with the WHS Regulation 2011.
Air quality	AQ39	Re-vegetate earthworks and exposed areas/soil stockpiles to stabilise surfaces as soon as practicable.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ26) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Temporarily exposed areas have been covered with polymer and other ground covers where applicable. Compliance with this requirement has been confirmed during inspections for the period.
Air quality	AQ40	Use hessian, mulches or tackifiers where it is not possible to re-vegetate or cover with topsoil, as soon as practicable.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ27) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Temporarily exposed areas have been

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						covered with polymer and other ground covers where applicable.
Air quality	AQ41	Where possible, only remove any cover for exposed areas in small areas during work and not all at once.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ28) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). Works are staged in accordance with this requirement.
Air quality	AQ42	Regular communication with other high risk construction ancillary facilities within 500 metres of the site boundary, to ensure plans are co-ordinated and dust and particulate matter emissions are minimised. It is important to understand the interactions of the off-site transport/deliveries which might be using the same strategic road network routes.	Pre-construction Construction	Compliant	CDS-JV	Proponents of other construction works in the vicinity of the SSI are being consulted and reasonable steps are being undertaken to minimise impacts on sensitive receivers. This requirement is incorporated into Section 6 of the Construction Noise and Vibration

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						Management Plan (M5N-ES-PLN-PWD-0003).
Air quality	AQ43	Undertake regular on-site and off-site inspection, where receivers are nearby, to monitor dust, record inspection results.	Construction	Compliant	CDS-JV	Refer Table 10, Section 7 of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). This requirement has been complied with during the period.
Air quality	AQ44	Record all dust and air quality complaints, identify cause(s), take appropriate measures to reduce emissions in a timely manner, and record the measures taken.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ8) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16) and Sections 4.9.7 and 4.9.8 of the Community Communication Strategy (M5N-CS-PLN-PWD-0008; approved 27/07/16). All complaints have been

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						recorded and responded to in accordance with the CCS.
Air quality	AQ45	Make complaints available to the Secretary upon request.	Construction	Compliant	CDS-JV	Refer Section 8.3 of the Community Communications Strategy (M5N-CS-PLN-PWD-0008 Rev 04) . A daily complaints report is provided to EPA and a weekly report to SMC and DPE. The Secretary has access to all complaints and responses at all times.
Air quality	AQ46	Record any exceptional incidents that cause dust and/or air emissions, either on- or offsite, and the action taken to resolve the situation in the log book.	Construction	Compliant	CDS-JV	Refer Section 6 (AQ6) of the Construction Air Quality Sub-Plan (CAQSP; M5N-ES-PLN-PWD-0002; approved 27/07/16). All incidents are recorded in the project's Environment and Safety database.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Air quality	N / A	<p>Environmental management measures that are available for improving tunnel-related air quality are categorised as follows:</p> <ul style="list-style-type: none"> · Tunnel design · Ventilation design and control · Air treatment systems · Emission controls and other measures · Monitoring. <p>Refer to Section 10.10.2 of the EIS for detailed discussion of these categories.</p>	Design / Operation	Compliant	CDS-JV	CDS-JV has referred to Section 10.10.2 of the EIS when preparing the design of the Project.
Human health	HH1	<p>Affected households would be provided access to the following services to support them in the land acquisition process and relocation (including renters). These services include access to a free counselling service; WestConnex Assist and assistance from relocation support teams. Additional services which could include:</p> <ul style="list-style-type: none"> · Assistance in identifying alternative properties · Independent social support for households relocating within the area and to other areas, providing contacts and information in regard to social services, facilities and logistical matters (eg logistics of moving including required administrative tasks) · Access to financial advice for affected households · First language support for households within English as a second language. 	Pre-construction	Compliant	WCX M5 AT	<p>The services available to support residents who are being relocated as a result of property acquisition include:</p> <ul style="list-style-type: none"> • The WestConnex Assist counselling service - ‘Converge’ – which is the counselling service provided by WCXMS AT Pty Ltd. It is a free, independent and confidential counselling service and is still available for use for relocated persons • Provision of an independent service to vulnerable households to assist with their relocation • Community

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						<p>relations support to respond to community issues, concerns and requests and to offer a translation service to households for whom English is a second language</p> <ul style="list-style-type: none"> • TfNSW have contacted residential and commercial tenants who are currently renting properties to be acquired for the project, to discuss timeframes for acquisition and compensation (where applicable). • Residents who are having their properties acquired or are relocating due the New M5 project (e.g. tenants) have been advised to contact WestConnex directly to discuss available support services. • An interpreting service is provided.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Noise and vibration	NV1	<p>A construction noise and vibration management plan(s) will be prepared and implemented consistent with the requirements of the Interim Construction Noise Guideline (DECC, 2009), and will include the following:</p> <ul style="list-style-type: none"> · Identification of nearby residences and other sensitive land uses · Description of approved hours of work · Description and identification of construction activities, including work areas, equipment and duration · Description of what work practices (generic and specific) will be applied to minimise noise and vibration · A complaints handling process · Noise and vibration monitoring procedures · Overview of community consultation required for identified high impact works. 	Pre-construction	Compliant	CDS-JV	Refer to CoA D68(b) (Appendix A)
Noise and vibration	NV2	Induction and training will be provided to relevant staff and subcontractors outlining their responsibilities with regard to noise.	Construction	Compliant	CDS-JV	Refer Section 1.4 of the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP). Requirements regarding noise and vibration are included in Project and site inductions.
Noise and vibration	NV3	Noisy activities that cannot be undertaken during standard construction hours will be scheduled as early as possible during the evening and/or night time periods.	Construction	Compliant	CDS-JV	This is addressed in Section 3.2.1 of the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP). Compliance with this requirement can be evidenced

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						via Out of Hours works approvals.
Noise and vibration	NV4	Permanent noise barriers will be scheduled for completion as early as possible in order to minimise construction noise.	Construction	Compliant	CDS-JV	Refer Section 6.2 of the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP). Permanent noise barriers form part of the operational design and will be installed as early as possible, once the project's Urban Design and Landscape Plan is finalised.
Noise and vibration	NV5	Property treatments identified for the operational phase of the project will be considered for installation before or early in the construction period, where they would improve noise levels.	Construction	Compliant	CDS-JV	Refer Section 6.2 of the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP). Permanent noise barriers form part of the operational

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						design and will be installed as early as possible, once the project's Urban Design and Landscape Plan is finalised. An update on the progress of installation of property treatments is provided to DP&E on a monthly basis via the ER Monthly Report..
Noise and vibration	NV6	Acoustic sheds will be erected at the Kingsgrove North (C1), Bexley Road North (C4) and Bexley Road South (C5) construction compounds, to mitigate noise generated by tunnelling support activities. The noise attenuation requirements for these acoustic sheds will be reviewed and confirmed during detailed design.	Pre-construction	Compliant	CDS-JV	This is addressed in Section 6 and Section 4.1.6, of the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP). Acoustic sheds have been constructed at all sites supporting tunnel spoil removal activities, including C1, C4 and C5 compounds.

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Noise and vibration	NV7	Temporary acoustic hoardings will be installed at the Kingsgrove North (C1), Commercial Road (C3), Bexley Road North (C4), Bexley Road South (C5), Bexley Road East (C6), Arncliffe (C7), the Marsh Street ponds site, Canal Road (C8) and Campbell Road (C9) construction compounds. The design and location of acoustic hoardings will be confirmed during detailed design.	Pre-construction	Compliant	CDS-JV	This is addressed in Section 6.2 of the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP), the Construction Noise and Vibration Impact Statements and the Temporary Noise Barrier Strategies required under CoA D20 (Kingsgrove strategy approved 23/6/16). Temporary noise barriers are being constructed in accordance with the approved Temporary Noise Barrier Strategies.
Noise and vibration	NV8	When working adjacent to schools, particularly noisy activities will be scheduled outside normal school hours, where practicable.	Construction	Compliant	CDS-JV	Refer Section 6.2 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP).

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Noise and vibration	NV9	Where feasible and reasonable, equipment with directional noise emissions will be oriented away from sensitive receivers.	Construction	Compliant	CDS-JV	Refer Section 6.2 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP).
Noise and vibration	NV10	Verification checks on the noise emissions of plant and machinery will be conducted.	Construction	Compliant	CDS-JV	Refer Section 6.2 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP).
Noise and vibration	NV11	Ongoing noise monitoring will be undertaken during construction at sensitive receivers during critical periods to identify and assist in managing high risk noise events.	Construction	Compliant	CDS-JV	Refer Section 7 and Appendix G of the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP) which outlines specific methods for undertaking noise monitoring during the construction phase of the project. Noise monitoring requirements at sensitive receivers are identified in the relevant CNVIS

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						for each area of works.
Noise and vibration	NV12	Reversing of equipment will be minimised to prevent nuisance caused by reversing alarms. Use of non-tonal reversing alarms ('quackers') will be implemented to further reduce the nuisance caused by reversing alarms.	Construction	Compliant	CDS-JV	Refer Section 6.2 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP). As an example the SPI VMP does not allow for reversing of vehicles near residential areas.
Noise and vibration	NV13	Loading and unloading will be carried out away from sensitive receivers, where practicable.	Construction	Compliant	CDS-JV	Refer Section 6.2 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP).
Noise and vibration	NV14	Deliveries will be carried out during standard construction hours where feasible and reasonable.	Construction	Compliant	CDS-JV	Refer Section 6.2 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP).

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Noise and vibration	NV15	Additional noise mitigation measures during out of hours works will be determined on a case-by-case basis using individual receiver predictions, and may consist of offers of alternative accommodation, monitoring, individual briefings, letter box drops, project specific respite offers, phone calls and specific notifications.	Construction	Compliant	CDS-JV	Refer Section 6.4 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP). Site-specific measures are provided in the Construction Noise and Vibration Impact Statements developed for each area of works.
Noise and vibration	NV16	Respite periods (eg one hour respite for every three hours of continuous construction activity) will be scheduled for high noise impact works where appropriate.	Construction	Compliant	CDS-JV	Refer Section 3.2.3 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP).

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Noise and vibration	NV17	Truck drivers will be advised of designated vehicle routes, parking and queuing locations, acceptable delivery hours and other relevant practices (ie minimising the use of engine brakes, and no extended periods of engine idling).	Construction	Compliant	CDS-JV	Refer Section 6.2 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP). Trucks are ordered (ie number and timing) for each site daily with site access and haul route details forwarded to the truck contractors. The haul routes and specific details for access are addressed in the Delivery & Cartage Driver Induction.
Noise and vibration	NV18	Deliveries and spoil removal will be planned to avoid queuing of trucks around construction compounds.	Construction	Compliant	CDS-JV	This is addressed in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5) and the Spoil Management Plan (M5N-PM-PLN-PWD-0002). Trucks are ordered daily and

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						individual arrival times are required for each truck.
Noise and vibration	NV19	Before the start of tunnelling or other vibration intensive works at each site, condition surveys will be undertaken on properties and structures within the preferred project corridor (the zone on the surface equal to 50 metres from the outer edge of the tunnels) and within 50 metres of surface works.	Construction	Compliant	CDS-JV	Refer to CoA B58 (Appendix A)
Noise and vibration	NV20	The safe working distances will be complied with where feasible and reasonable. This will include the consideration of smaller equipment when working close to existing structures.	Construction	Compliant	CDS-JV	Refer Section 6.3 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP).
Noise and vibration	NV21	If vibration intensive works are required within the safe working distances, vibration monitoring or attended vibration trials will be undertaken at the outset of these works to ensure that levels are within relevant criteria.	Construction	Compliant	CDS-JV	Refer Appendix G 3.4 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP) which specifies the methods for undertaking vibration monitoring during the construction

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						phase of the project.
Noise and vibration	NV22	Building condition surveys of potentially affected structures will be completed both before and after the works to identify existing damage and any damage due to the works.	Pre-construction Post-construction	Compliant	CDS-JV	Refer to CoA B58 (Appendix A)
Noise and vibration	NV23	Vibration intensive construction works will be confined to the less sensitive daytime period (9.00 am to 12.00 pm and 2.00 pm to 5.00 pm) as far as reasonably practicable.	Construction	Compliant	CDS-JV	Refer Section 6.2 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP).
Noise and vibration	NV24	A detailed ground-borne noise assessment will be undertaken following further geotechnical investigations. This will include developing the vibration site law for the project.	Construction	Compliant	CDS-JV	Refer Section 6.2 in the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP).

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Noise and vibration	NV25	Noise and vibration mitigation methods specific to blasting will be incorporated into the construction noise and vibration management plans where required.	Construction	Compliant	CDS-JV	A Blast Management Strategy has been prepared in accordance with this condition, and was submitted to DP&E on 16/01/2017. An application to vary the project's EPL to permit blasting activities was approved by EPA on 10/07/17.
Noise and vibration	NV26	Blasting with the potential to generate an impact at the surface will be restricted to standard daytime hours (except where approved by the relevant authority). Blasting would occur between 9:00am and 5:00pm, up to five days per week (Monday to Friday) and on Saturdays (9:00 am to 1:00pm). Blasts would be limited to one single detonation in any one day per receiver group, unless otherwise agreed by the NSW EPA through consultation on the Construction Noise and Vibration Management Plan.	Construction	Compliant	CDS-JV	This is addressed in Section 3.2.1 and 3.2.7 of the Construction Noise and Vibration Management Plan (CNVMP; TH014-05 01F01 WCX-NM5 CNVMP). Blasting commenced from September 2017 for the project. A Blast Management Strategy has been prepared in accordance with this condition, and was submitted to DP&E on 16/01/2017. Blasting was

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						completed in November 2018.
Noise and vibration	NV27	Site investigations will be conducted prior to production blasting to define suitable blast sizes to comply with project blasting noise and vibration criteria.	Construction	Compliant	CDS-JV	This is addressed in Section 4.1.7 and 6.2 of the Construction Noise and Vibration Management Plan (CNVMP; TH014-05 01F01 WCX-NM5 CNVMP). A Blast Management Strategy has been prepared and was submitted to DP&E on 16/01/2017, prior to any blasting. Potential vibration and air blast overpressure

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						<p>impacts generated through blasting will be managed through the Strategy.</p> <p>Trial blasting commenced at Arncliffe on 27th August 2017.</p> <p>Trial blasting commenced at Kingsgrove on 20th November 2017.</p> <p>Trial blasting commenced at St. Peters on 15th September 2017.</p>
Noise and vibration	NV28	Dilapidation studies of nearby receiver buildings will be undertaken where the potential for exceedances of the blasting criteria is identified.	Pre-construction	Compliant	CDS-JV	<p>This requirement is addressed in Section 6.2 of the Construction Noise and Vibration Management Plan (CNVMP; TH014-05 01F01 WCX-NM5 CNVMP).</p> <p>Dilapidation surveys have commenced for the Project (refer CoA B58, Appendix A). A Blast Management</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						Strategy has been prepared to comply with this condition, and was submitted to DP&E on 16/01/2017.
Noise and vibration	NV29	Where the predicted levels exceed the noise or vibration criteria for blasting, alternative construction methods, such as penetrating cone fracture, will be utilised.	Construction	Compliant	CDS-JV	This requirement is addressed in Section 6.2 of the Construction Noise and Vibration Management Plan (CNVMP; TH014-05 01F01 WCX-NM5 CNVMP) and the Blast Management Strategy, submitted to DP&E on 16/01/2017.
Noise and vibration	NV30	Community consultation protocols for sensitive receivers likely to be impacted by construction activities such as blasting, vibration and noise will be prepared and implemented.	Pre-construction Construction	Compliant	CDS-JV	Community updates and notifications are provided prior to the commencement of activities including tunnelling and noise-generating activities. These notifications are provided at least two weeks prior to the start of work. A piling

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						and compaction fact sheet was prepared and distributed for stakeholders within 500m radius of the SPI. Individual sensitive receivers have been provided with various forms of respite including alternative accommodation, noise cancelling headphones and offers for individualised moulded ear plugs.
Noise and vibration	NV31	The implementation of a left in and right out arrangement for heavy vehicles at the Garema Circuit access point to Kingsgrove North construction compound (C1) would be considered during construction planning to restrict heavy vehicles to using only the eastern side of Garema Circuit.	Pre-construction Construction	Compliant	CDS-JV	This is addressed in the Heavy Vehicle Movement Report: Use of Wirega Avenue and Garema Circuit at Kingsgrove (M5N-TM-RPT-KGD-0001), approved by DP&E 19/10/16.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Noise and vibration	OpNV 01	At locations where residual impacts remain after all feasible and reasonable approaches have been exhausted, noise mitigation in the form of acoustic treatment of existing individual dwellings will be considered.	Pre-construction Construction	Compliant	CDS-JV	Noise mitigation for residual impacts will be considered as described in Section 6.5 of the Construction Noise and Vibration Management Plan (TH014-05 01F01 WCX-NM5 CNVMP). The need for operational acoustic treatments is being identified during detailed design. Where identified, these treatments are being offered as early in the construction program as possible and regular updates are provided to DP&E in regards to status of offers and installation
Noise and vibration	OpNV 02	Operational traffic noise will be monitored at sensitive receivers between six months and one year after opening. If the traffic noise levels are above the predicted levels, consideration of additional feasible and reasonable mitigation measures will be undertaken.	Operation	Not yet triggered	WCX M5 AT	This requirement relates to the operational phase and will be reported on in the pre-operation compliance report and subsequent operational

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						compliance reports required under CoA A14.
Noise and vibration	OpNV 03	Operational fixed facilities will be designed to meet project specific noise criteria derived in accordance with the <i>NSW Industrial Noise Policy</i> .	Design	Compliant	CDS-JV	<p>Concept design has been informed by the NSW Industrial Noise Policy. Design of operational fixed facilities is ongoing and will specify the operational plant requirements and attenuation measures. The design and procurement processes will include assessment of the proposed plant options against operational noise requirements in the INP.</p> <p>Evidence of compliance against this requirement will be provided in the relevant design reports and will be</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						confirmed during independent certification.
Land use and property	LP01	The relevant property owners would be consulted in relation to the acquisition of properties required to facilitate construction of the project. Acquisition would be undertaken consistently with the principles in the Land Acquisition Information Guide (Roads and Maritime, 2014b) and the Land Acquisition (Just Terms Compensation) Act 1991 (NSW).	Pre-construction	Compliant	WCX M5 AT	Land acquisition for the New M5 project has been undertaken in accordance with the Roads and Maritime Services <i>Land Acquisition Information Guide</i> (Roads and Maritime 2014) and the <i>Land Acquisition (Just Terms Compensation) Act 1991 (NSW)</i> .
Land use and property	LP02	Prior to any impact to access, alternative arrangements would be negotiated with the affected parties in order to enable continued access and to minimise disruption as much as reasonably possible.	Pre-construction	Compliant	CDS-JV	Impacts to access will be minimised during establishment and construction of the project. Where alternative access arrangements are required, consultation will be undertaken with affected

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						parties in accordance with Sections 6.17 and 9 of the Construction Traffic and Access Sub Plan (M5N-ES-PLN-PWD-0004; approved 27/07/16) and the Community Communication Strategy (M5N-CS-PLN-PWD-0008; approved 27/07/16).
Land use and property	LP03	Affected property owners and community facilities would be provided with advanced notification of relevant project schedules, construction works and changes to access arrangements.	Pre-construction Construction	Compliant	CDS-JV	Community updates and notifications are provided prior to the commencement of activities including tunnelling and noise-generating activities. These notifications are provided at least two weeks prior to the start of work. A piling ad compaction fact sheet has also been prepared and distributed for stakeholders within 500m radius of the SPI. Individual

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						sensitive receivers have been provided with various forms of respite including alternative accommodation, noise cancelling headphones and offers for individualised moulded earplugs.
Land use and property	LP04	Community updates would be provided on changes to the local road network within the project area during construction.	Pre-construction Construction	Compliant	CDS-JV	Specific notifications detailing traffic changes are distributed at least five days prior to the traffic change. Email notices are also sent in the days prior to the traffic changes. Liaison with the Traffic team ensures stakeholder requirements are maintained during traffic changes.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Land use and property	LP05	Appropriate signage would be provided advising of walking track closures and alternative walking routes.	Pre-construction	Compliant	CDS-JV	<p>This requirement is addressed in Section 6.10 of the Construction Traffic and Access Sub Plan (M5N-ES-PLN-PWD-0004; approved 27/07/16).</p> <p>Signage strategies for any walking track closures are provided as part of the Traffic management plan (TMP) process. All required signage is presented within a traffic control plan within the TMP for approval by TfNSW.</p>
Land use and property	LP06	<p>A Settlement Monitoring Plan would be prepared that would provide details on:</p> <ul style="list-style-type: none"> · Location of monitoring points · Duration of monitoring · Data collection and review · Roles and responsibilities for review of data · Triggers and actions for corrective actions. 		Compliant		<p>The Instrumentation and Monitoring Plan (M5N-GOL-DRT-100-200-GT-1530) has been developed and details the locations, durations and frequency for monitoring programs for settlement. The</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						related Acceptable Effects Report contains trigger values and management responses for these monitoring programs. This is described in Section 1.3 of the Construction Soil and Water Quality Sub-plan (M5N-PM-PLN-PWD-0005; approved 15/07/16).
Land use and property	LP07	Building condition surveys would be undertaken on properties and structures within the preferred project corridor (the zone on the surface equal to 50 metres from the outer edge of the tunnels) and within 50 metres of surface.	Pre-construction Construction	Compliant	CDS-JV	Refer to CoA B58 (Appendix A)
Land use and property	LP08	Services in locations where differential / angular settlement is anticipated would be identified. A monitoring plan, triggers and actions would be agreed with the utilities owner prior to potential impacts occurring.	Pre-construction Construction	Compliant	CDS-JV	The Instrumentation and Monitoring Plan (M5N-GOL-DRT-100-200-GT-1530) has been developed and details the locations, durations and frequency for monitoring programs for settlement. The related Acceptable

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						Effects Report contains trigger values and management responses for these monitoring programs. Consultation with utility owners is ongoing during the design phase in relation to potential impacts on services.
Land use and property	LP09	A monitoring program, undertaken as part of the Settlement Management Plan, would be undertaken to ensure that settlement has stabilised before monitoring is completed.	Pre-construction Construction	Compliant	CDS-JV	The Instrumentation and Monitoring Plan (M5N-GOL-DRT-100-200-GT-1530) has been developed and details the locations, durations and frequency for monitoring programs for settlement.
Land use and property	LP10	Sites directly affected by construction works, including demolition of structures, would consider the potential for, and where necessary treat, termites consistent with AS 4349.3 2010 Inspection of Buildings – Timber Pest Inspections and AS 3660.2 2000 Termite Management In and Around Existing Buildings and Structures.	Pre-construction Construction	Compliant	CDS-JV	Where termites are identified through environmental inspections, fauna audits, property surveys, community interaction or other means they will further investigated in accordance with AS 4349.3 2010 Inspection of

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						Buildings – Timber Pest Inspections and be treated in accordance with AS 3660.2 2000 Termite Management In and Around Existing Buildings and Structures.
Land use and property	OpLP 01	Land acquisition for the project would be undertaken consistently with the principles in the Land Acquisition Information Guide (Roads and Maritime, 2014b) and the <i>Land Acquisition (Just Terms Compensation) Act 1991</i> (NSW).	Pre-construction	Compliant	WCX M5 AT	Land acquisition for the New M5 project has been undertaken in accordance with the Roads and Maritime Services <i>Land Acquisition Information Guide</i> (Roads and Maritime 2014) and the <i>Land Acquisition (Just Terms Compensation) Act 1991</i> (NSW).
Land use and property	OpLP 02	Property accesses that are affected as a result of the project would be reinstated in consultation with the affected landowners including relocation if required.	Pre-construction	Compliant	WCX M5 AT	This requirement is addressed in Section 6.17 of the Construction Traffic and Access Sub-plan (M5N-ES-PLN-PWD-0004; approved 27/07/16). This requirement will be reported on in the quarterly construction compliance

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						reports and the pre-operation compliance report.
Visual impacts and urban design	V01	Existing vegetation around the perimeter of the construction compounds would be retained where feasible and reasonable, particularly: <ul style="list-style-type: none"> Vegetation surrounding the Bexley Road East construction compound, particularly along the boundary between residential properties and the compound along the northern and eastern boundaries Mature trees along the north-west (Marsh Street) and south-west boundaries of the Arncliffe construction compound site Mature trees and vegetation along the boundary of Sydney Park along Campbell Road and Barwon Park Road. 	Pre-construction Construction	Compliant	CDS-JV	Retention of vegetation at construction compounds is being considered through the Tree Reports required under CoA B63. Refer to Appendix A.
Visual impacts and urban design	V02	Landscape planting would use fast growing species where reasonable and feasible. This would soften views of construction sites, particularly for compounds located within public recreational spaces.	Construction	Compliant	CDS-JV	This requirement is addressed in Appendix B of the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026; approved 9/06/16). This requirement is addressed in the Urban Design and Landscape Plan required by CoA B61 and B62.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Visual impacts and urban design	V03	Revegetation and landscaping would be undertaken progressively.	Construction	Compliant	CDS-JV	This requirement will be addressed in the Urban Design and Landscape Plan required by CoA B61 and B62. Work on the project urban design is being prepared in consultation with the Urban Design Review Panel. The UDLP was submitted to DPE for approval on 10/07/17. Approval of the western work area was given by DPE on 26/10/17 and approval of the eastern precinct given 24/01/18 subject to a number of exceptions..
Visual impacts and urban design	V04	Temporary noise barriers would be erected early within the site establishment phase where required to minimise noise impacts and provide visual screening.	Pre-construction Construction	Compliant	CDS-JV	The Temporary Noise Barrier Strategy (TNBS) has been staged and submitted to DPE as relevant to each stage of the project as described in QCCR 1 and QCCR 2. Temporary Noise Barrier Strategies for all construction

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						<p>stages of the project have been approved by DP&E. An update to the Temporary Noise Barrier Strategy for Campbell Road and Campbell Street, which addresses D20(a)(iii) was approved on 22/05/2017.</p> <p>An updated TNBS for Bexley was submitted to DPE on 9/05/18 to account for the removal of a barrier at the Bexley South Compound and installation of new site hoarding along Bexley Road.</p>
Visual impacts and urban design	V05	Temporary noise barriers would be designed to include painted surface and project information / logo to deter graffiti and reduce the scale of noise barriers, particularly adjacent to residential areas or public open space.	Pre-construction Construction	Compliant	CDS-JV	Temporary noise barriers are being designed in consultation with directly affected property owners in accordance with CoA D20. This requirement is addressed in Section 6.12 of the Ancillary Facilities Management

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						Plan (M5N-ES-PLN-PWD-0026).
Visual impacts and urban design	V06	Site hoardings and fencing would be regularly maintained, including the prompt removal of graffiti.	Pre-construction Construction	Compliant	CDS-JV	This requirement is addressed in Appendix B of the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026). This requirement is monitored during daily site inspections undertaken by the Site Supervisors and weekly environmental inspections undertaken by Environmental Coordinators
Visual impacts and urban design	V07	Acoustic sheds would be designed to minimise noise impacts and provide visual screening to be visually recessive, such as the use of mid toned colours and materials to minimise the intrusiveness and potential glare of the sheds.	Construction	Compliant	CDS-JV	Acoustic sheds have been designed during detailed construction noise assessment. Specifications for acoustic shed design are provided in the Construction Noise and Vibration Impact Statements.

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						Acoustic sheds use mid-toned colours to minimise impact and glare.
Visual impacts and urban design	V08	During detailed design, the Roads and Maritime would liaise with the Civil Aviation Safety Authority to assess the potential for impacts of night lighting from the construction of the project on Sydney Airport operations. Mitigation measures would then be developed as required.	Design	Compliant	WCX M5 AT	Consultation is ongoing with the Civil Aviation Safety Authority and Sydney Airport Corporation to address any impacts of the project on Sydney Airport operations. Consultation will continue during construction to maintain open dialogue.
Visual impacts and urban design	V09	Cut-off or and directed lighting would be used within and outside of construction compounds with lighting location and direction considered to ensure glare and light spill are minimised.	Pre-construction Construction	Compliant	CDS-JV	This requirement is addressed in Section 6.12 of the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026). Construction lighting is being installed in accordance with the relevant standards.

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Visual impacts and urban design	V10	The lighting design for shared paths located within the M5 Linear Park impacted by the project or located adjacent to compounds would be designed to minimise light spill to adjoining residential properties while maintaining a safe night time environment for path users (eg lighting position below the height of the fence line).	Pre-construction Construction	Compliant	CDS-JV	This requirement is addressed in Section 6.12 of the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026). Construction lighting is being installed in accordance with the relevant standards.
Visual impacts and urban design	V11	A signage strategy would be developed during detailed design for temporary wayfinding and safety. Potentially affected receivers would be consulted on the final signage in relation to the location and associated impacts.	Pre-construction Construction	Compliant	CDS-JV	Signage strategies for any walking track closures are provided as part of the Traffic management plan (TMP) process. All required signage is presented within a traffic control plan within the TMP for approval by RMS. In addition, all traffic closures are announced via VMS strategy also approved by RMS through traffic management process.

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Visual impacts and urban design	V12	Elements within construction sites would be located to minimise visual impacts as far as feasible and reasonable, for example, locating equipment back from site boundaries.	Pre-construction Construction	Compliant	CDS-JV	This requirement is addressed in Section 6.12 of the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026). Construction lighting is being installed in accordance with the relevant standards.
Visual impacts and urban design	V13	Opportunities would be investigated to maximise the separation distances as far as reasonable and feasible: <ul style="list-style-type: none"> Between the Kingsgrove North construction compound to the adjoining residential areas to reduce shading and visual impacts Between the Bexley Road North and Bexley Road East construction compounds and adjoining residential areas to reduce shading and visual impacts. 	Pre-construction Construction	Compliant	CDS-JV	This requirement is addressed in Section 6.12 of the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026) and was considered during design of the construction compounds.
Visual impacts and urban design	V14	Opportunities would be investigated to provide an alternative southern cycle route for the length of the existing shared path impacted by the western surface works.	Pre-construction Construction	Compliant	CDS-JV	This requirement is addressed in Section 6.12 of the Ancillary Facilities Management Plan (M5N-ES-PLN-PWD-0026) and was considered during design of the construction compounds. Vegetation has been retained where possible at

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						the Kingsgrove North and Bexley East construction compounds. Additional privacy measures have been implemented at the Bexley North compound where separation is highly constrained.
Visual impacts and urban design	OpV01	Vegetated batters would be limited to 1:3 and 1:4 where possible in order to maximise the impact of vegetation on these batters and minimise maintenance.	Pre-construction Construction	Compliant	CDS-JV	<p>This requirement is addressed in the Urban Design and Landscape Plan (UDLP) required by CoA B61 and B62. Package 1 of the UDLP was submitted to DP&E on 13/04/2017 and approved on 18/7/18. Package 2 (Eastern Precinct) of the UDLP was submitted on 10/07/17 and approved on 24/01/18). Rev F of the UDLP was submitted to DPE on 22/05/18 and approved on 13/11/18.</p> <p>Compliance against this REMM will be</p>

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						reported on in the quarterly compliance reports subsequent to finalisation of the UDLF.
Visual impacts and urban design	OpV02	Chain link fencing for sites would only be used where these would not be viewed by sensitive receivers, such as residents and users of recreational space. At these locations, high quality fencing suitable for parks and public spaces would be considered.	Pre-construction	Compliant	CDS-JV	This requirement is addressed in the Urban Design and Landscape Plan (UDLP) required by CoA B61 and B62. The UDLP has been prepared in consultation with the Urban Design Review Panel, councils and the community. Package 1 of the UDLP was submitted to DP&E on 13/04/2017 and approved on 18/7/18. Package 2 (Eastern Precinct) of the UDLP was submitted on 10/07/17 and approved on 24/01/18). Rev F of the UDLP was submitted to DPE on 22/05/18 and

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						subsequently approved on 13/11/18.
Visual impacts and urban design	OpV03	Where large areas of hardstand are or structures are designed, such as carparks, consideration of shade trees within these spaces would be considered where reasonable and feasible to soften views and provide shade and visual amenity.	Pre-construction	Compliant	CDS-JV	This requirement is addressed in the Urban Design and Landscape Plan (UDLP) required by CoA B61 and B62. The UDLP has been prepared in consultation with the Urban Design Review Panel, councils and the community. Package 1 of the UDLP was submitted to DP&E on 13/04/2017 and approved on 18/7/18. Package 2 (Eastern Precinct) of the UDLP was submitted on 10/07/17 and approved on 24/01/18). Rev F of the UDLP was submitted to DPE on 22/05/18 and subsequently approved on 13/11/18.

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Visual impacts and urban design	OpV04	Pedestrian and shared paths would be aligned away from residential property boundaries where public open space adjoins residential boundaries.	Pre-construction	Compliant	CDS-JV	This requirement is addressed in the Urban Design and Landscape Plan (UDLP) required by CoA B61 and B62. The UDLP has been prepared in consultation with the Urban Design Review Panel, councils and the community. Package 1 of the UDLP was submitted to DP&E on 13/04/2017 and approved on 18/7/18. Package 2 (Eastern Precinct) of the UDLP was submitted on 10/07/17 and approved on 24/01/18). Rev F of the UDLP was submitted to DPE on 22/05/18 and subsequently approved on 13/11/18.
Visual impacts and urban design	OpV05	Planting areas would be maximised, where feasible, between public open space and infrastructure, and would include taller screening vegetation (at the Bexley Road South motorway operations complex (MOC2) between the built form and the M5 Linear Park shared path for example).	Pre-construction	Compliant	CDS-JV	This requirement is addressed in the Urban Design and Landscape Plan (UDLP) required by CoA B61 and B62. The UDLP has been prepared in

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						consultation with the Urban Design Review Panel, councils and the community. Package 1 of the UDLP was submitted to DP&E on 13/04/2017 and approved on 18/7/18. Package 2 (Eastern Precinct) of the UDLP was submitted on 10/07/17 and approved on 24/01/18). Rev F of the UDLP was submitted to DPE on 22/05/18 and subsequently approved on 13/11/18.

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Visual impacts and urban design	OpV06	<p>A final urban design and landscape plan would be prepared in consultation with the New M5 Urban Design Review Panel, local councils within the project corridor and the local community. The Plan shall include (but not limited to):</p> <ul style="list-style-type: none"> The architectural treatment of the ventilation facilities, which would be informed by the functional requirements and the design principles detailed in the New M5 Urban Design Report. Landscape plans and final plant species for the western surface works, Bexley Road motorway operations complex, Arncliffe motorway operations complex, the St Peters interchange and local road upgrades The artwork strategy for the Kindilan underpass Outcomes of consultation with NSW Heritage Office with respect to integration of heritage interpretation into the urban design of the Alexandra Canal bridge crossings and St Peters interchange. The urban design of Alexandra Canal bridge crossings would also consider the Alexandra Canal Heritage Conservation Plan (NSW Architect's Office, 2004) Consideration of the outcomes of the Safety in Design review of the project. 	Pre-construction	Compliant	CDS-JV	<p>Hassel has been engaged to develop the Project's Urban Design and Landscape Plan (UDLP).</p> <p>In accordance with this condition, the UDLP is being submitted for the approval of the Secretary in two packages prior to the commencement of the relevant permanent built works and/or landscaping.</p> <p>Both packages of the UDLP have been reviewed by the UDRP in accordance with B60.</p> <p>Package 1 of the UDLP was submitted to DP&E on 13/04/2017 and approved on 18/7/18. Package 2 (Eastern Precinct) of the UDLP was submitted on 10/07/17 and approved on</p>

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						<p>24/01/18). Rev F of the UDLP was submitted to DPE on 22/05/18 and subsequently approved on 13/11/18.</p> <p>A schedule of remaining submissions covering additional items to be included has been prepared.</p>
Visual impacts and urban design	OpV07	The design of the noise attenuation at the western surface works would be confirmed during detailed design and in consultation with the local community. This may consist of noise mounds and barriers (or a combination of both) and with consideration to the provision of accessible open space at Beverly Grove Park and a landscaped outlook.	Pre-construction	Compliant	CDS-JV	<p>This requirement is addressed in the Noise Barrier Location and Design Sub-plan, which forms part of Package 2 of the Urban Design and Landscape Plan (UDLP). This package was approved on 24/1/18.</p> <p>The Noise Barrier Location and</p>

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						Design Sub-plan has been developed in consultation with the UDRP, councils and the community as part of Package 2 of the UDLP. The Noise Barrier Location and Design Sub-plan was submitted to DPE on 9/10/17 with a response to DPE's comments submitted on 7/12/17.
Visual impacts and urban design	OpV08	Landscaping at the Bexley Road motorway operations complex would consider opportunities to complement the existing topography of the built site as well as the adjacent Wolli Creek bushland.	Pre-construction	Compliant	CDS-JV	<p>This requirement is addressed in Package 2 of the Urban Design and Landscape Plan (UDLP). The UDLP has been prepared in consultation with the Urban Design Review Panel, councils and the community.</p> <p>Package 1 of the UDLP was submitted to DP&E on 13/04/2017 and approved on 18/7/18. Package 2 (Eastern</p>

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						<p>Precinct) of the UDL P was submitted on 10/07/17 and approved on 24/01/18). Rev F of the UDL P was submitted to DPE on 22/05/18.</p> <p>A schedule of remaining submissions covering additional items to be included has been prepared.</p>
Visual impacts and urban design	OpV09	Reasonable and feasible measures to use landscaping to screen or filter views of the Arncliffe motorway operations complex from residential areas to the west would be implemented.	Pre-construction	Compliant	CDS-JV	<p>This requirement is addressed in Package 2 of the Urban Design and Landscape Plan (UDLP). The UDLP has been prepared in consultation with the Urban Design Review Panel, councils and the community.</p> <p>Package 1 of the UDLP was submitted to DP&E on 13/04/2017 and approved on 18/7/18. Package 2 (Eastern Precinct) of the UDLP was submitted on</p>

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						<p>10/07/17 and approved on 24/01/18). Rev F of the UDLP was submitted to DPE on 22/05/18.</p> <p>A schedule of remaining submissions covering additional items to be included has been prepared.</p>
Visual impacts and urban design	OpV10	Opportunities to maximise the green canopy throughout the local road upgrades at Peters with tree planting in medians where safety barriers and / or speed limits permit would be explored during detailed design, and implemented where reasonable and feasible.	Pre-construction	Compliant	CDS-JV	<p>This requirement is addressed in Package 2 of the Urban Design and Landscape Plan (UDLP). The UDLP has been prepared in consultation with the Urban Design Review Panel, councils and the community.</p> <p>Package 1 of the UDLP was submitted to DP&E on 13/04/2017 and approved on 18/7/18. Package 2 (Eastern Precinct) of the UDLP was submitted on 10/07/17 and approved on 24/01/18). Rev F</p>

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						<p>of the UDLP was submitted to DPE on 22/05/18 and subsequently approved on 13/11/18.</p> <p>A schedule of remaining submissions covering additional items to be included has been prepared.</p>
Visual impacts and urban design	OpV1 1	During detailed design, the Roads and Maritime would liaise with the Civil Aviation Safety Authority to assess the potential for impacts of night lighting from the operation of the project on Sydney Airport operations. Mitigation measures would then be developed as required.	Pre-construction	Compliant	CDS-JV	<p>Consultation is ongoing with the Civil Aviation Safety Authority and Sydney Airport Corporation to address any impacts of the project on Sydney Airport operations. Consultation will continue during design and construction to address issues as they are identified.</p>
Visual impacts and urban design	OpV1 2	Lighting design within motorway operations complexes, roadways, and on elevated pedestrian bridges would minimise the impacts of lighting to surrounding areas (particularly residential areas), for example through the use of cut-off, directed lighting and landscaping to minimise light spill and glare. This includes consideration of residences along Campbell Road.	Pre-construction	Compliant	CDS-JV	<p>This requirement has been addressed in the lighting design packages for the project.</p>

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Visual impacts and urban design	OpV13	Opportunities to further minimise the overshadowing and visual impacts to the 2-34 Campbell Road terraces by the Campbell Road pedestrian / cycle bridge would be explored during detailed design	Pre-construction	Compliant	CDS-JV	Opportunities to minimise overshadowing have been investigated as part of the development of the concept design for overbridge on Campbell Street, developed as part of the MCoA 62(a) Campbell Road Crossing sub-plan. It is noted that construction of the overbridge will occur in Stage 3 and is no longer part of the New M5 scope of work.
Social and economic	SEO1	A community involvement plan would be implemented to provide timely, regular and transparent information about changes to access and traffic conditions, details of future work programs and general construction progress throughout the construction phase of the project. Information would be provided in a variety of ways including letter box drops, media releases, internet site, signage and a hotline.	Pre-construction Construction	Compliant	CDS-JV	The Community Communications Strategy (M5N-CS-PLN-PWD-0008) has been developed in accordance with CoA C1 and reviewed with the final draft submitted to DPE September 2017. The updated CCS was approved on 24/09/18.



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Social and economic	SEO2	Acquisition would be undertaken consistently with the principles in the Land Acquisition Information Guide (Roads and Maritime, 2014b) and the <i>Land Acquisition (Just Terms Compensation) Act 1991</i> (NSW).	Pre-construction	Compliant	WCX M5 AT	Land acquisition for the New M5 project has been undertaken in accordance with the Roads and Maritime Services <i>Land Acquisition Information Guide</i> (Roads and Maritime 2014) and the <i>Land Acquisition (Just Terms Compensation) Act 1991</i> (NSW).
Social and economic	SEO3	A toll free number and website would be maintained to enable business owners and/or operators to receive prompt responses to their concerns, access information and view assistance measures in place during construction related work.	Pre-construction Construction	Compliant	CDS-JV	CDS JV continues to utilise the toll free 24hr telephone number, the info@newm5.com.au email address for complaints and enquiries'. Stakeholder complaints and enquiries are responded to within the timelimits as outlined in The Community Communication Strategy (CCS)(M5N-CS-PLN-PWD-0008 Rev 04). A daily report is provided to EPA

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						and a weekly register to DPE.
Social and economic	SEO4	A business impact risk register would be maintained to identify and manage the specific impacts associated with construction related works for individual businesses.	Pre-construction Construction	Compliant	CDS-JV	Details of impacts to business are maintained in the project database Consultation Manager. Businesses are invited to construction briefings and face to face meetings are held as required.
Social and economic	SEO5	The business stakeholder forum would be continued during detailed design and throughout construction to address business concerns. Further information about consultation can be found in Chapter 7 (Consultation)	Pre-construction Construction	Compliant	CDS-JV	Ongoing consultation and engagement with the various businesses on the alignment provide positive relationships and trust in accordance with Section 7 of the Community Communications Strategy (M5N-CS-PLN-PWD-0008)

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Soil and water quality	SW01	The control and mitigation of potential surface water quality impacts during construction would be defined in a Soil and Water Management Plan prepared as part of the overall CEMP.	Pre-construction Construction	Compliant	CDS-JV	Refer CoA D68(f) (Appendix A)
Soil and water quality	SW02	The Soil and Water Management Plan would be developed to incorporate controls and measures in accordance with The Blue Book. The plan would be continually updated to suit the changing needs as the project works progress. The plan would be developed in consultation with the Environment Protection Authority and DPI - Water and document the types of measures that would be put in place to minimise the risk of soil erosion or polluted discharges reaching the receiving environments.	Pre-construction	Compliant	CDS-JV	The Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005) has been developed to incorporate 'best practice' controls and measures in accordance with the Blue Book.
Soil and water quality	SW03	An Erosion and Sedimentation Management Plan would be prepared as outlined in the Erosion and Sedimentation Risk Assessment Procedure (RTA, 2008).	Pre-construction Construction	Compliant	CDS-JV	The Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005) incorporates the RMS' Erosion and Sedimentation Risk Assessment Procedure (RTA, 2008) throughout. Erosion and sedimentation control plans are developed for each area of works by the project's soil conservationist and are reviewed

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						and updated regularly.
Soil and water quality	SW04	<p>The Soil and Water Management Plan would include:</p> <ul style="list-style-type: none"> · Construction traffic restricted to delineated access tracks, and maintained until construction complete · Appropriate sediment and erosion controls to be implemented prior to soil disturbance · Stormwater management to avoid flow over exposed soils which may result in erosion and impacts to water quality · Stockpiles located outside the 20 year ARI flood extent where feasible. Otherwise, appropriate management control measures such as bunding would be implemented · Staging of surface works to minimise area of exposed surfaces, with re-vegetation and / or stabilisation of disturbed areas to occur as soon as feasible · Site compounds sealed or hard stand to minimise erosion where possible · Wheel wash or rumble grid systems installed at exit points to minimise dirt on roads · A soil conservation specialist would be contracted to supervise construction in high risk areas in accordance with the Erosion and Sedimentation Management Procedure (RTA, 2008c) · All water generated during construction would be captured, tested (and treated if required) prior to reuse or discharge under a site specific arrangement, depending on the quality of water generated. This would target compliance with the Water Quality Reference Criteria. At the St Peters interchange site this would include transfer of some water to the leachate treatment plant. Varying levels of groundwater quality would also require a variation to treatment approaches · All water generated during construction would be captured, tested (and treated if required) prior to reuse or discharge under a site specific arrangement, depending on the quality of water generated. This would target compliance with the Water Quality Reference Criteria. At the St Peters interchange site this would include transfer of some water to the leachate treatment plant. Varying levels of groundwater quality would also require a variation to treatment approaches · Contaminated sediments and potential acid sulfate soils would be segregated and disposed of (with or without prior treatment as appropriate) at a licensed facility or treated onsite · Stockpiles would be located outside of riparian corridors. 	Pre-construction Construction	Compliant	CDS-JV	This is addressed in Section 7.1 Table 12, project controls associated with management of soil and water quality, of the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005) and Section 5 of the Water Quality Plan & Monitoring Program (M5N-ES-PLN-PWD-0027) – Water Quality Performance Standards.
Soil and water quality	SW05	The water quality and outflow velocities of the water treatment plants at the following compounds would be in accordance with the project’s Water Quality Reference Criteria and the project’s Environment Protection Licence: Kingsgrove North construction compound (C1), Commercial Road construction compound (C3), Bexley Road South construction compound (C5), Arncliffe construction compound (C7), Canal Road construction compound (C8).	Construction	Compliant	CDS-JV	Refer Section 2.4 of the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005) which addresses the EPL conditions relevant to soil

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						and water management, and Section 5 of the Water Quality Plan and Monitoring Program (M5N-ES-PLN-PWD-0027). This requirement is being complied with through the tunnel construction water treatment plant specifications and procedures for discharge
Soil and water quality	SW06	<p>The project specific water quality monitoring program would continue to collect to at least 12 months of data or to the commencement of construction (whichever is sooner) to represent pre-construction conditions for the project. Monitoring would continue during construction of the project as identified in Appendix A of the Technical working paper: Surface water (Appendix N). The details of this monitoring program would be contained in the Soil and Water Management Plan, and would include the following:</p> <ul style="list-style-type: none"> - Sampling locations to include upstream (control) and downstream measurement locations - Samples taken twice a month, once in dry conditions and once in wet conditions where possible - In-situ monitoring of: <ul style="list-style-type: none"> - pH - Reduction Oxidation Potential - Dissolved Oxygen - Temperature - Conductivity - Turbidity - Colour - Odour - Analytical sampling of the following potential constituents of concern: <ul style="list-style-type: none"> - Total Recoverable Hydrocarbons - Benzene, Toluene, Ethylbenzene, Xylene and Naphthalene - Nutrients including: Total Nitrogen, Total Kjeldahl Nitrogen, Nitrogen Oxide, Nitrite, Nitrate, Total Phosphorous and Reactive Phosphorous - Heavy metals (Arsenic, Cadmium, Copper, Chromium, Lead, Mercury, Nickel, Zinc) - Manganese - Ferrous Iron and Total Iron. 	Pre-construction Construction	Compliant	CDS-JV	Section 6 of the Water Quality Plan and Monitoring Program (M5N-ES-PLN-PWD-0027; submitted to DPE 3/06/16) addresses testing parameter requirements for water quality monitoring. The Surface Water Baseline Monitoring Report provides 12 months of pre-construction monitoring data. Surface water and groundwater continues to be monitored and

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						reported on throughout construction in accordance with the Water Quality Plan and Monitoring Program.
Soil and water quality	SW07	Water quality monitoring of the breeding ponds for Green and Golden Bell Frog near Marsh Street, Arncliffe would occur during construction by a suitably qualified scientist as part of the Green and Golden Bell Frog Plan of Management.	Construction	Compliant	WCX M5 AT	Both the Water Quality Plan and Monitoring Program (M5N-ES-PLN-PWD-0027) and the Flora and Fauna Sub Plan (M5N-ES-PLN-PWD-0007) reference the requirement for monitoring in accordance with the Green and Golden Bell Frog Plan of Management – Arncliffe. Water quality monitoring is undertaken by the project herpetologist in accordance with this requirement.

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Soil and water quality	SW08	Opportunities for reuse of treated water generated at the Arncliffe motorway operations complex would be considered during detailed design.	Design	Compliant	CDS-JV	This is addressed in the Sustainability Plan (M5N-ES-PLN-PWD-0020), Sustainability Initiatives Register and appraisal procedure. It is an operational requirement and will therefore be addressed in the operational-phase Water Reuse Strategy for the project. Evidence for compliance against this requirement will be provided in the compliance tables in the Operational-phase Water Reuse Strategy.
Soil and water quality	SW09	An Acid Sulfate Soil Management Plan would be prepared as a sub-plan to the Construction Environment Management Plan to outline the requirements for the management of potential acid sulfate soils.	Pre-construction Construction	Compliant	CDS-JV	The Acid Sulfate Soils Management Plan (M5N-ES-PLN-PWD-0031), forms an Appendix to the approved Construction Soil and Water Quality Sub-plan (M5N-ES-PLN-PWD-0005), which forms part of the

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						Construction Environmental Management Plan (CEMP; M5N-ES-PLN-PWD-0001) for the project.
Soil and water quality	SW10	Further contamination investigation would be conducted in areas with medium or high acid sulfate soils potential during the detailed design stage as part of early works. Management of acid sulphate soils during the project would be undertaken as per the management measures outlined in Section 17.4 of the EIS.	Pre-construction Construction	Compliant	CDS-JV	This is addressed in Section 5.3 – Acid Sulfate Soils in the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005). Acid Sulfate Soils have been identified in the Soil Contamination Reports required by CoA B31, and are managed through management measures provided in the relevant report. Unexpected finds are managed through the Manage Acid Sulfate Soils Procedure (M5N-ES-PRC-PWD-0038) and the Manage Contaminated Land Procedure (M5N-ES-PRC-PWD-0036).

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Soil and water quality	SW11	During landfill closure activities, surface water management measures would be implemented in accordance with The Blue Book to isolate and capture potentially contaminated water. Any such water would be transferred to the leachate treatment plant for treatment prior to discharge to sewer under a trade waste agreement with Sydney Water.	Construction	Compliant	CDS-JV	In accordance with CoA B32, a Landfill Closure Management Plan has been prepared by Golder Associates Pty Ltd. The plan was reviewed and endorsed by the EPA on 27 May 2016. The Plan and required statement was submitted to DPE on 31 May 2016. Surface water management measures are identified in the LCMP. Discharges from the leachate treatment plant are in accordance with Sydney Water trade waste agreement No. 32539.

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Soil and water quality	SW12	<p>The following measures would be in place to manage spills of contaminated fluids:</p> <ul style="list-style-type: none"> • Areas would be allocated for the storage of fuels, chemicals and other hazardous materials • Facilities would be secured and bunded to levels dictated by Environment Protection Authority guidelines • Spills or contaminated runoff would be captured and treated and / or disposed of at a licensed facility • With the exception of Arncliffe construction compound, Re-fuelling would occur in bunded areas or in areas beyond 40 metres from waterways. Where refuelling occurs outside bunded areas, specific refuelling procedures would be in place and operators would be trained in these procedures. Spill kits would be readily available to manage re-fuelling outside bunded areas. At Arncliffe construction compound, a bunded area would be provided where all refuelling would occur. • Wash down and preparation of construction materials would be undertaken in bunded areas to mitigate risks in relation to spills or leaks of fuels / oils or other hazardous onsite construction material • The application of good practice in the storage and handling of dangerous and hazardous goods would provide appropriate practical responses to manage impacts on occupational health and safety and minimise the risk of a spill occurring • Potential discharges from construction sites would be managed through the installation of basins (primarily designed for sediment capture but with capacity to contain the nominated spill volume) constructed in accordance with The Blue Book • Captured contaminants resulting from spills or leaks would be treated and disposed of at a licensed facility • Any soil which has been contaminated with fuel, oils or other chemicals would be disposed as contaminated soil by a waste subcontractor. 	Construction	Compliant	CDS-JV	<p>These measures are incorporated into the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005), Section 7.1, Table 12 and the Appendix B (A171-A179) Ancillary Facilities Management Sub Plan (M5N-ES-PLN-PWD-0026).</p> <p>Measures are inspected by the Environmental Coordinators during the weekly environmental inspections.</p>
Soil and water quality	SW13	Construction work activities within and / or adjacent to waterways would be minimised as much as feasibly possible to minimise disturbance to those waterways and waterfront land.	Construction	Compliant	CDS-JV	<p>This is addressed in the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005), Section 7.1 Table 12, project controls associated with management of soil and water</p>

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						quality. Construction compounds/sites have been established/design ed to minimise disturbance to waterways and waterfront land where possible.
Soil and water quality	SW14	Alignment of drainage and discharge outlet infrastructure would direct flows downstream to minimise alterations and erosion of the channel beds and banks.	Design Construction	Compliant	CDS-JV	This is being addressed in the Drainage Design Reports, which are being progressively prepared, prior to commencement of the relevant works. All Drainage design reports are expected to be completed by August 2019.

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Soil and water quality	SW15	Drainage and discharge outlet infrastructure would include energy dissipation and erosion scour protection as appropriate.	Design Construction	Compliant	CDS-JV	This is addressed in the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005; approved 15/07/16) and is considered where relevant in the relevant Erosion and Sediment Control Plan. This requirement is being addressed for permanent drainage works in the Drainage Design Reports, which are being progressively prepared, prior to commencement of the relevant works. All Drainage design reports are expected to be completed by August 2019.
Soil and water quality	SW16	Disturbed floodplain environments adjacent to watercourses (including waterfront land) and / or along overland drainage lines would be stabilised and vegetation managed in accordance with the Guidelines for Controlled Activities on Waterfront Land (DPI, 2012a).	Construction	Compliant	CDS-JV	This is addressed in the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005), Section 7.1, Table 12, project controls

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						associated with management of soil and water quality. Exposed areas are temporarily stabilised / vegetated until final rehabilitation works are undertaken in accordance with the Urban Design and Landscape Plan (M5N-HSL-MNP-100-110-TR-1970), to be finalised prior to the commencement of permanent landscaping / rehabilitation works.
Soil and water quality	OpSW 01	Suitable stormwater treatment devices would be identified during detailed design, including an operational water treatment plant, with the aim of meeting the targets of the Botany Bay and Catchment Water Quality Improvement Plan (SMCMA, 2011). Where space is available, water quality basins would be installed. In the case where space is unavailable, treatment would include the use of proprietary stormwater treatment devices. The design of treatment trains would be informed by an assessment of the sensitivity of the receiving environments and supported by MUSIC modelling.	Design Operation	Compliant	CDS-JV	This is being addressed in the Drainage Design Reports, which are being progressively prepared, prior to commencement of the relevant works. All Drainage design reports are expected to be completed by August 2019..

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Soil and water quality	OpSW 02	The treatment capacity lost in decommissioning pond WQP – 2 would be provided by new or upgraded stormwater treatment devices. Replacement water quality devices would be installed and operational prior to decommissioning of the existing water quality pond (WQP-2) in Wolli Creek catchment.	Design Operati on	Compli ant	CDS-JV	<p>A replacement operational water quality device has been installed to treat existing stormwater discharges and WQP-2 was subsequently decommissioned in the Q4 reporting period.</p> <p>Prior to receiving operational stormwater discharge, an additional water treatment device will be installed to offset the additional storwater discharge associated with operation of the project.</p>
Soil and water quality	OpSW 03	Operational water quality monitoring would be conducted for 12 months post-construction or as otherwise required by the conditions of approval. This would include upstream (control) and downstream monitoring locations. The details of this monitoring program would be contained in the Soil and Water Management Plan, and would include the following: <ul style="list-style-type: none"> • Sampling locations to include upstream (control) and downstream measurement locations • Samples taken twice a month, once in dry conditions and once in wet conditions where possible • In-situ monitoring of: <ul style="list-style-type: none"> - pH - Reduction Oxidation Potential - Dissolved Oxygen - Temperature - Conductivity - Turbidity - Colour - Odour • Analytical sampling of the following potential constituents of concern: 	Operati on	Not yet trigger ed	WCX M5 AT	Operational water quality monitoring must be conducted for a minimum 3 year period or until the affected waterways and/or groundwater resources are certified by a suitably qualified and experienced independent

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		<ul style="list-style-type: none"> - Total Recoverable Hydrocarbons - Benzene, Toluene, Ethylbenzene, Xylene and Naphthalene - Nutrients including: Total Nitrogen, Total Kjeldahl Nitrogen, Nitrogen Oxide, Nitrite, Nitrate, Total Phosphorous and Reactive Phosphorous - Heavy metals (Arsenic, Cadmium, Copper, Chromium, Lead, Mercury, Nickel, Zinc) - Manganese - Ferrous Iron and Total Iron. 				expert as being rehabilitated post-construction in accordance with CoA B28. This requirement relates to the operational phase and will be reported on during the pre-operation compliance report.
Soil and water quality	OpSW 04	New discharge outlets into Alexandra Canal would be designed with sufficient energy dissipation or scour protection to limit the impact on contaminated sediments and reduce the possibilities of contaminated sediments being subject to scour or resuspension.	Design	Compliant	CDS-JV	This is being addressed in the relevant Drainage Design Reports, which are being progressively prepared, prior to commencement of the relevant works.
Soil and water quality	OpSW 05	Where existing drainage lines are to be subject to increased inflow, an assessment of their discharge characteristics would be made. If necessary, energy dissipation or scour protection would be added to prevent contaminated sediments from being subject to scour or resuspended. This would be undertaken during detailed design.	Design	Compliant	CDS-JV	This is being addressed in the Drainage Design Reports, which are being progressively prepared, prior to commencement of the relevant works.

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Soil and water quality	OpSW 06	The assessment of risk of spills on the motorway would be undertaken during detailed design. If warranted, spill containment would be provided.	Design	Compliant	CDS-JV	This is being addressed in the Drainage Design Reports, which are being progressively prepared, prior to commencement of the relevant works.
Soil and water quality	OpSW 07	The operational water treatment plant would be designed to meet the Water Quality Reference Criteria outlined in Appendix A of the Technical working paper: Surface water (Appendix N). Monitoring of the Cooks River would be undertaken during initial operation of the project to ensure discharge meets these criteria.	Design Operati on	Compliant	CDS-JV WCX M5 AT	<p>The operational water treatment plant is being designed as part of the MOC3 - Arncliffe Motorway Operations Complex - Water Treatment Plant - Functional Specification and Concept Layout report and references the technical working paper in determining the plant specifications.</p> <p>Monitoring of operational discharge will be detailed in the Project Operational Environmental Management Plan.</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Soil and water quality	OpSW 08	Suitably designed scour and erosion control measures would be included in the detailed design.	Design	Compliant	CDS-JV	This is being addressed in the Drainage Design Reports, which are being progressively prepared, prior to commencement of the relevant works. The Drainage design reports are expected to be submitted for approval in February 2020.
Soil and water quality	OpSW 09	Drainage and discharge infrastructure where space is available would incorporate measures, as appropriate, to trap and remove sediments in line with the outcomes of the stormwater pollution reduction targets from the Botany Bay and Catchment Water Quality Improvement Plan (SMCMA, 2011). This would reduce the risk of any impacts to the geomorphic condition of receiving waters.	Design Construction	Compliant	CDS-JV	This is being addressed in the Drainage Design Reports, which are being progressively prepared, prior to commencement of the relevant works. The Drainage design reports are expected to be submitted for approval in February 2020.
Contamination	CM01	The closure and ongoing management of the Alexandria Landfill would be undertaken in line with the LCMP (see Section 17.3.4 and Section 5.9.1 of the EIS) and remedial action plan. This includes a landfill closure, environmental management and monitoring framework.	Pre-construction Construction	Compliant	CDS-JV	A Landfill Closure Management Plan has been prepared by Golder Associates Pty Ltd. The plan was reviewed and endorsed by the EPA on 27

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						<p>May 2016. The Plan and required statement was submitted to DPE on 2 June 2016.</p> <p>An update to the plan was provided to DPE on 11/8/17 to include an Odour Management Protocol as directed by DPE via letter dated 13/7/17.</p> <p>An Addendum to the The Landfill Closure Management Plan was provided to EPA on 19/6/18. The Addendum provided information relevant to the Stage 3 Interface Worksite.</p>
Contamination	CM02	<p>A site specific management plan would be prepared for the Alexandria Landfill to manage the excavation of parts of the landfill during construction. The management plans, amongst other requirements would detail mitigation measures to:</p> <ul style="list-style-type: none"> • Contain and treat landfill gas emissions from excavations • Treat offensive odours produced by leachate and landfill gas • Contain, extract and treat leachate within excavations • Protect workers and off-site receptors from exposure to potential biological, chemical and physical hazards encountered during the exhumation of landfill waste. • Manage asbestos contaminated wastes 	Pre-construction	Compliant	CDS-JV	This is addressed in the St Peters Interchange - Landfill Closure Management Plan prepared by Golder Associates Pty Ltd (M5N-GOL-TER-900-116-0012).

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Contamination	CM03	Potentially contaminated areas directly affected by the project would be investigated and managed in accordance with the requirements of guidance endorsed under section 105 of the CLM Act. This includes further investigations in areas of potential contamination identified in the construction footprint.	Pre-construction	Compliant	CDS-JV	This is addressed in Section 5.4 and Section 7, Table 12 of the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005; approved on 15/07/16) and the Construction Contaminated Land Management Plan (M5N-ES-PLN-PWD-0033). Soil contamination investigations and reports, and Remediation Action Plans, are being undertaken/prepared in accordance with CoA B31 and the CLM Act. Remediation strategies are being reviewed by a site auditor accredited under the CLM Act.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Contamination	CM04	An unexpected finds and hazardous materials procedure would be implemented to manage any potentially contaminated materials that may be encountered during site preparation and / or construction works.	Pre-construction	Compliant	CDS-JV	A Manage Contaminated Land Procedure (M5N-ES-PRC-PWD-0036) has been developed for the project and includes a procedure for the management of unexpected finds of contamination/hazardous materials.
Contamination	CM05	Waste management plans, as part of the CEMP, would include procedures for handling and storing potentially contaminated spoil and, should off-site disposal be required, undertaking waste assessment and classification for off-site disposal to appropriately licenced waste facilities. See Chapter 24 (Resource use and waste minimisation) of the EIS for more information.	Pre-construction	Compliant	CDS-JV	A Construction Waste and Resource Sub-plan (CWRSP; M5N-ES-PLN-PWD-0008), approved 15/07/16, has been developed for the project and incorporates this requirement. Section 4 of the Construction Environment Management Plan (M5N-ES-PLN-PWD-0001) and the Construction Contaminated Land Management Plan (M5N-ES-PLN-PWD-0033), submitted 2/06/2016, also

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						address this requirement.
Contamination	CM06	Site specific asbestos management plans would be developed where relevant. Refer to Chapter 24 (Resource use and waste minimisation) of the EIS for further information on asbestos management.	Pre-construction	Compliant	CDS-JV	This requirement is addressed in the project's Manage Work with Asbestos Procedure (M5N-ES-PRC-PWD-0037) and Construction Area Plans. Site specific asbestos management plans have been developed where required by the Contamination Assessment Report for the relevant site.
Contamination	CM07	A hazardous materials assessment would be carried out prior to and during the demolition of buildings. Demolition works would be undertaken in accordance with the relevant Australian Standards and relevant NSW WorkCover Codes of Practice, including the Work Health and Safety Regulation 2011.	Pre-construction Construction	Compliant	CDS-JV	HAZMAT Inspection Reports are completed for each property prior to demolition in accordance with the Demolition Plan and Asbestos Management Plan. An independent

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						Occupational Hygienist completes a final inspection to confirm all items listed on the report have been removed.
Contamination	CM08	A dangerous goods search of the WorkCover NSW records for licenced dangerous good would be undertaken prior to construction.	Pre-construction	Compliant	CDS-JV	This is addressed in the Phase 1 Environmental Site Assessment reports prepared in accordance with the Construction Contaminated Land Management Plan (M5N-ES-PLN-PWD-0033), submitted 2 June 2016.
Contamination	CM09	An explosive ordnance due diligence assessment would be completed at the identified former ammunition site (Project area 3), located between Flatrock Road, Bexley Road and Wolli Creek.	Pre-construction	Compliant	CDS-JV	This is addressed in the Phase 1 Environmental Site Assessment reports prepared in accordance with the Construction Contaminated Land Management Plan (M5N-ES-PLN-PWD-0033), submitted 2 June 2016.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Contamination	CM10	In the event of encountering unexpected finds of contamination (i.e. the observation of offensive odours, soil discoloration, buried waste or potential asbestos containing materials) during construction, work in the area would cease until an appropriately qualified environmental consultant can advise on the need for further assessment, remediation or other action, as deemed appropriate. Further assessment and management of contamination, if required, would be undertaken in accordance with section 105 of the CLM Act.	Construction	Compliant	CDS-JV	This is addressed in the Manage Contaminated Land Procedure (M5N-ES-PRC-PWD-0036) and the Manage Work with Asbestos Procedure (M5N-ES-PRC-PWD-0037).
Contamination	CM11	Appropriate mitigation measures to minimise sediment mobilisation as a result of construction activities at the location of the new stormwater infrastructure at Alexandra Canal would be detailed in the CEMP in accordance with the requirements of the Remediation Order in consultation with NSW EPA and Sydney Water. Measures would be detailed in a Alexandra Canal Contamination Management Plan.	Pre-construction Construction	Compliant	CDS-JV	Refer Section 3.1 of the Construction Soil and Water Quality Sub-plan (M5N-PM-PLN-PWD-0005) and the Construction Contaminated Land Management Plan (M5N-ES-PLN-PWD-0033). These measures will be incorporated into an update to the Contaminated Land Management Plan (M5N-ES-PLN-PWD-0033) prior to commencement of drainage works in Alexandra Canal.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Contamination	CM12	Appropriate mitigation measures including stockpiling and management of potentially contaminated material would be undertaken at construction compounds to prevent movement of material into receiving waters.	Construction	Compliant	CDS-JV	This requirement is addressed through the Contaminated Land Management Plan (M5N-ES-PLN-PWD-0033), the Manage Contaminated Land Procedure (M5N-ES-PRC-PWD-0036), and any relevant Remediation Action Plan for the site. Management of stockpiles is also addressed in the Construction Soil and Water Quality Sub-plan (M5N-ES-PLN-PWD-0005).
Contamination	CM13	Plant, equipment and supplies would be managed to prevent spills and leaks. See Chapter 26 (Hazard and risk) of the EIS for more information.	Construction	Compliant	CDS-JV	Refer to Section 7 of the Construction Soil & Water Quality Sub-Plan (M5N-PM-PLN-PWD-0005), approved 15/07/16. The Manage Hazardous Substances Procedure (M5N-ES-PRC-PWD-0041) also addresses this REMM.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Contamination	CM14	Tunnel washing water and waste would be appropriately contained, treated and disposed of. Refer to Chapter 24 (Resource use and waste minimisation) of the EIS for more information.	Construction	Compliant	CDS-JV	Refer to Section 7, Table 12 of the Construction Soil & Water Quality Sub-Plan (M5N-PM-PLN-PWD-0005), approved on 15/07/16). All tunnel waste water is directed to the construction water treatment plants prior to discharge in accordance with the requirements of the project EPLs. All tunnel wastes are dealt with in accordance with the Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008).
Contamination	CM15	Further <i>in situ</i> testing of soils in areas of known potential contamination to determine waste classification.	Construction	Compliant	CDS-JV	Refer to the Construction Contaminated Land Management Plan (M5N-ES-PLN-PWD-0033) and the Construction Waste and Resource Sub-plan (M5N-ES-PLN-PWD-0008). Soil contamination investigations are

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						being undertaken/prepared in accordance with CoA B31 and the CLM Act. Waste classification is being undertaken in accordance with the Construction Waste and Resource Sub-plan.
Contamination	OpCM 1	The ongoing management of the Alexandria Landfill will be undertaken in line with the <u>LCMP</u> (see Section 17.3.4 and Section 5.9.1 of the EIS)	Operation	Not yet triggered	WCX M5 AT	The LCMP was updated via addition of an Addendum dated 14 June 2018 and titled "Attachment 1 - Section 3.6.5 - Landfill Closure Management Plan - Revision F". This addendum outlined modifications to the landfill capping system inside the Stage 3 Interface worksite.
Contamination	OpCM 2	Procedures to address spills, leaks and tunnel washing would be developed and implemented during operation of the project	Operation	Not yet triggered	WCX M5 AT	This requirement will be reported on during the pre-operation compliance report.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Contamination	OpCM 3	Measures to minimise sediment mobilisation during operation would be incorporated into the design of stormwater outlets at the location of the new stormwater infrastructure at Alexandra Canal. The design of the outlets, including discharge velocities and scour protection measures, would be confirmed during detailed design and supported by appropriate drainage modelling. The detailed design of the outlets would be finalised in consultation with the NSW EPA with consideration of the requirements of the Remediation Order and would be provided to Sydney Water for approval (as the asset owner).	Design Operati on	Compli ant	WCX M5 AT	This is being addressed in the Drainage Design Reports, which are being progressively prepared, prior to commencement of the relevant works. The Drainage Design Reports are being prepared in consultation with Sydney Water and the relevant councils and are expected to be completed by AUGUST 2019. The Drainage Design Reports for Alexandra Canal will also be provided to EPA for consultation.
Contamination	OpCM 4	Ongoing management of sites with contamination managed or emplaced in-situ would be managed in accordance with site specific Site Management Plans. Where required, a Site Management Plan (SMP) would be developed and implemented to manage risks associated with the presence of residual contamination that in situ. The requirement for an SMP would be evaluated based on the nature, concentration and extent of contamination as well as the current and proposed land use.	Operati on	Not yet trigger ed	WCX M5 AT	This requirement will be reported on during the pre-operation compliance report.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Flooding and drainage	FD01	<p>A Flood Management Strategy would be prepared by a suitable qualified and experienced person in consultation with directly affected landowners, DPI-Water, OEH, Sydney Water and the relevant local councils. It would include but not be limited to:</p> <ul style="list-style-type: none"> • Identification of flood risks to the project and adjoining areas, including consideration of local drainage catchment assessments and climate change implications on rainfall, drainage and tidal characteristics • Design and mitigation measures to protect proposed operations and not worsen existing flooding characteristics during construction and operation, including soil erosion and scouring • Drainage system upgrades • Preparation of a flood / emergency management plan. 	Detailed design Pre-construction	Compliant	CDS-JV	Refer to CoA B23 (Appendix A)
Flooding and drainage	FD02	<p>The Flood Management Strategy would be peer reviewed and confirmed as meeting the requirements of this management measure by a suitably qualified and experienced independent hydrological engineer. It would be submitted to the Secretary of DP&E and the relevant local councils prior to construction works commencing in the vicinity of flood prone land and overland flow paths for the waterways and catchments in the vicinity of the project area, or as otherwise agreed by the Secretary of DP&E.</p>	Detailed design Pre-construction	Compliant	CDS-JV	<p>CoA B23 requires peer review of the Flood Mitigation Strategy (FMS; M5N-DS-PLN-PWD-0001; submitted to DPE 25/5/2016). The peer review was undertaken by an independent verifier, Darren Bell, on 29/4/2016 and was submitted to the Secretary and the relevant council(s) on 25/05/2016.</p> <p>Flood modelling reports are currently being updated due to some new and ongoing design changes which have necessitated some re-modelling.</p> <p>Both Stage 1 (Compounds)</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						and Stage 2 (Operational) FMS will be submitted for peer review in October 2019 with expected submission to DPE in March 2020.
Flooding and drainage	FD03	The 100 year ARI flood level is to be adopted in the assessment of measures which are required to mitigate any adverse impacts attributable to the project. Changes in flood behaviour under PMF conditions would also be assessed in order to identify impacts on critical infrastructure and significant changes in flood hazards as a result of the project.	Detailed design Pre-construction	Compliant	CDS-JV	<p>This requirement is addressed in the Flood Mitigation Strategy Stage 1 (FMS; M5N-DS-PLN-PWD-0001; submitted to DPE 25/5/2016).</p> <p>Flood modelling reports are currently being updated due to some new and ongoing design changes which have necessitated some re-modelling.</p> <p>Both Stage 1 (Compounds) and Stage 2 (Operational) FMS will be submitted for</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						peer review in October 2019 with expected submission to DPE in March 2020.
Flooding and drainage	FD04	A detailed hydraulic assessment into the impacts the project would have on flooding behaviour and relevant mitigation measures would be undertaken.	Detailed design Pre-construction	Compliant	CDS-JV	The Flood Mitigation Strategy (FMS; M5N-DS-PLN-PWD-0001; submitted to DPE 25/5/2016) sets the approach to design and assessment for flood mitigation and details the relevant mitigation measures that would be undertaken at construction sites. The FMS is informed by Flood Design Reports that detail the design outcomes after the application of the mitigation measures. Flood modelling

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						<p>reports are currently being updated due to some new and ongoing design changes which have necessitated some re-modelling. Once complete the Stage 1 (Compounds) FMS will be updated and sent back for peer review with expected submission to DPE in August 2019</p> <p>Both Stage 1 (Compounds) and Stage 2 (Operational) FMS will be submitted for peer review in October 2019 with expected submission to DPE in March 2020.</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Flooding and drainage	FD05	Works within the floodplain would be designed to minimise adverse impacts on surrounding developments for flooding up to the 100 year ARI flood. Assessment would also be undertaken of the impacts during flooding in excess of the 100 year ARI flood up to the PMF in the context of impacts to critical infrastructure and flood hazards.	Detailed design Pre-construction	Compliant	CDS-JV	<p>This requirement is addressed in the Flood Mitigation Strategy Stage 1 (FMS; M5N-DS-PLN-PWD-0001; submitted to DPE 25/5/2016).</p> <p>Flood modelling reports are currently being updated due to some new and ongoing design changes which have necessitated some re-modelling.</p> <p>Both Stage 1 (Compounds) and Stage 2 (Operational) FMS will be submitted for peer review in October 2019 with expected submission to DPE in March 2020.</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Flooding and drainage	FD06	A floor level survey would be undertaken in affected areas to determine whether the project would increase floor damages in adjacent developments (ie in properties where there is a potential for increases in peak flood levels for events up to the 100 year ARI flood).	Detailed design Pre-construction	Compliant	CDS-JV	<p>A floor level survey has been undertaken to enable flood modelling to be undertaken, refer to section 3 of the Flood Mitigation Strategy (FMS; M5N-DS-PLN-PWD-0001; submitted to DPE 25/5/2016).</p> <p>Flood modelling reports are currently being updated due to some new and ongoing design changes which have necessitated some re-modelling.</p> <p>Both Stage 1 (Compounds) and Stage 2 (Operational) FMS will be submitted for peer review in October 2019 with expected submission to DPE in February 2020.</p>

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Flooding and drainage	FD07	<u>Flood management plans</u> would be developed as part of the CEMP prior to construction to guide the detailed design of temporary ancillary facilities, including construction compounds, to minimise the potential impacts of flooding on the project.	Detailed design Pre-construction	Compliant	CDS-JV	<p>This requirement is addressed in the Flood Mitigation Strategy Stage 1 (FMS; M5N-DS-PLN-PWD-0001; submitted to DPE 25/5/2016).</p> <p>Flood modelling reports are currently being updated due to some new and ongoing design changes which have necessitated some re-modelling.</p> <p>Both Stage 1 (Compounds) and Stage 2 (Operational) FMS will be submitted for peer review in October 2019 with expected submission to DPE in February 2020.</p> <p>Drainage design measures have been incorporated into the site layout plans provided in the Ancillary Facilities Management</p>

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						Plan (Appendix F & G).
Flooding and drainage	FD08	Around 8,000 cubic metres of the projected 12,000 cubic metres of lost floodplain storage due to the operation of the Arncliffe motorway operations complex (MOC3) would be required to be recaptured. Floor level surveys would be undertaken to determine whether the project would result in the above- floor inundation of the following potentially affected properties. Further design development would be undertaken during detailed design to confirm the extent of works required to mitigate the impact of the project on flooding conditions at these existing residential developments.	Detailed design Pre-construction	Compliant	CDS-JV	Flood modelling was completed for the Arncliffe/Cooks River area in October 2016 as part of the Flood Mitigation Strategy (FMS; M5N-DS-PLN-PWD-0001; submitted to DPE 25/5/2016). This modelling has determined that no inundation would occur as a result of the project at the site and therefore no flood mitigation/additional flood storage is required. Flood modelling reports are currently being

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						<p>updated due to some new and ongoing design changes which have necessiated some re-modelling.</p> <p>Both Stage 1 (Compounds) and Stage 2 (Operational) FMS will be submitted for peer review in October 2019 with expected submission to DPE in March 2020.</p>
Flooding and drainage	FD09	Detailed design would aim to reduce the impact of the project on flooding conditions for the following two potentially affected properties. This would include consideration of whether the project would result in above-floor inundation of these properties.	Detailed design Pre-construction	Compliant	CDS-JV	<p>This requirement is addressed in the Flood Mitigation Strategy (FMS).</p> <p>Flood modelling reports are currently being updated due to some new and ongoing design changes which have necessiated some re-modelling.</p> <p>Both Stage 1 (Compounds) and Stage 2 (Operational) FMS will be submitted for</p>

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						peer review in October 2019 with expected submission to DPE in February 2020.
Flooding and drainage	FD10	The potential to reduce impacts of the project on flooding for the properties located on the western overbank of the Alexandra Canal would be considered during detailed design. This would also include consideration of whether the project would result in above-floor inundation of these properties.	Detailed design Pre-construction	Compliant	CDS-JV	The Flood Mitigation Strategy (FMS; M5N-DS-PLN-PWD-0001; submitted to DPE 25/5/2016) identifies the measures required for properties near the Alexandra Canal to prevent inundation during construction. The Flood Design Report for SPI/Local Roads identifies the properties that August be affected by flooding as a result of the project. Both Stage 1 (Compounds) and Stage 2

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						(Operational) FMS will be submitted for peer review in October 2019 with expected submission to DPE in February 2020.
Flooding and drainage	FD11	Further design development would be undertaken to mitigate the impact of the project on flooding conditions in the TransGrid site. This would include further refinement of design of the relief drain, as well as the western approach to the Campbell Road bridge.	Detailed design Pre-construction	Compliant	CDS-JV	This has been considered during detailed design and the Flood Design Report for SPI/Local Roads will identify the expected inundation at this property.
Flooding and drainage	FD12	Existing transverse drainage structures would be left in place during construction where transverse drainage structures are to be upgraded or replaced. If this is not feasible, temporary drainage would be adopted.	Detailed design Pre-construction	Compliant	CDS-JV	Site plans and permanent design have been prepared to maintain or improve drainage.

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Flooding and drainage	FD13	Detailed flood modelling to understand the effects of likely rainfall events would be undertaken. Construction layouts would be finalised accordingly.	Detailed design Pre-construction	Compliant	CDS-JV	<p>The Flood Mitigation Strategy (FMS; M5N-DS-PLN-PWD-0001; submitted to DPE 25/5/2016) draws on detailed flood modelling undertaken during detailed design and takes into consideration rainfall events. Construction layouts have been designed with consideration of rainfall events. Detailed modelling has been completed for all project areas.</p> <p>Flood modelling reports are currently being updated due to some new and ongoing design changes which have necessitated some re-modelling.</p> <p>Both Stage 1 (Compounds) and Stage 2 (Operational)</p>

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						FMS will be submitted for peer review in October 2019 with expected submission to DPE in February 2020.
Flooding and drainage	FD14	Tunnel dive shafts would be protected against flooding either through locating openings outside of flood prone areas or constructing temporary bunding and / or appropriate temporary drainage. Stockpiles would be located outside the 20 year ARI flood extent where possible. Where construction compounds are located in the 20 year ARI flood extent, a contingency plan to manage flooding would be prepared and implemented.	Detailed design Pre-construction	Compliant	CDS-JV	This is addressed in Section 7.1 of the Construction Soil and Water Quality Sub-Plan (CSWQSP; M5N-ES-PLN-PWD-0005; approved 15/07/16) and the Design Flood Reports. Flood Reports have been completed for the Wolli Creek and Cooks River catchment areas. The Flood Report for the Alexandra Canal catchment was completed in June 2017. Relevant measures are

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						being incorporated into Erosion and Sediment Control Plans.
Flooding and drainage	FD15	<p>Further detailed assessment of flooding impacts for proposed construction compounds and relevant management measures would be undertaken during detailed design. Contingency plans to manage flooding would be prepared and implemented for high risk temporary facilities proposed including fuel storages, water treatment plants and substations, as well as for the following construction compounds (located either wholly or partially within the 20 year ARI flood extent):</p> <ul style="list-style-type: none"> • Kingsgrove South construction compound (C2) • Commercial Road construction compound (C3) • Bexley Road North construction compound (C4) • Bexley Road South construction compound (C5) • Arncliffe construction compound (C7) • Alexandra Canal bridge construction compound (C12) • Gardeners Road bridge construction compound (C13). <p>For these sites, suitable procedures for flood warning, emergency management, site evacuation and planning would be developed.</p>	Detailed design Pre-construction	Compliant	CDS-JV	<p>The Flood Mitigation Strategy Stage 1 (FMS; M5N-DS-PLN-PWD-0001; submitted to DPE 25/5/2016) documents the design measures to minimise flood impacts of the project during construction. Flood mitigation measures are being incorporated into Erosion and Sediment Control Plans and Construction Area Plans. Emergency procedures are included in the Incident Response Plan (M5N-HS-PLN-PWD-0002).</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Flooding and drainage	FD16	<p>The following measures would be implemented to manage flooding risks on construction sites:</p> <ul style="list-style-type: none"> • Temporary bunding around parts of the site that would be adversely affected by floodwaters • Temporary drains / detention areas within the site • Use of carparks to provide detention • Elevation of site buildings where necessary to get floor levels above expected flood levels • Use of erosion and sediment fences around noise barriers to provide bunding to some parts of the sites while directing overland flows through less sensitive parts of sites, particularly at Kingsgrove and Arncliffe. 	Construction	Compliant	CDS-JV	<p>Refer to Section 7.1 of the Construction Soil and Water Quality Sub-Plan (CSWQSP; M5N-ES-PLN-PWD-0005; approved 15/07/16).</p> <p>Measures are identified and implemented through the site Erosion and Sediment Control Plans.</p>
Flooding and drainage	FD17	<p>A drainage strategy would be determined during detailed design to manage the increased runoff within the catchment draining into Camdensville Park. This drainage strategy would be based on not increasing flows into the Eastern Channel for all events up to and including the 100 year ARI flood.</p> <p>The strategy would be prepared in consultation with Marrickville Council.</p>	Detailed design Pre-construction	Compliant	CDS-JV	<p>This is addressed in the relevant Drainage Design Report which has been prepared in consultation with Inner West Council. This will also be addressed in the Stage 2 FMS, which is expected to be submitted to DP&E in March 2020.</p>

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Flooding and drainage	FD18	A more detailed assessment would be undertaken during detailed design to determine the climate change related flood risks to the project and to scope requirements for any management measures. The assessment would be undertaken in accordance with the Practical Considerations of Climate Change – Floodplain Risk Management Guideline (DECC, 2007)	Detailed design Pre-construction	Compliant	CDS-JV	<p>The Flood Mitigation Strategy for the operational phase (Stage 2 FMS) will detail the design measures to minimise impacts to flooding during operation.</p> <p>The project design includes an assessment of flood impacts for two climate change scenarios: - 1 in 20 year ARI event for an increase in rainfall of 10% - 1 in 100 year ARI event for an increase in rainfall of 10%.</p> <p>The Stage 2 FMS is expected to be submitted to DP&E in March 2020</p>
Flooding and drainage	OpFD 01	Bridge crossings over the Alexandra canal would incorporate a suitable freeboard between the underside of the bridge structure and the peak 100 year ARI flood level.	Detailed design	Compliant	CDS-JV	<p>This requirement as well as the freeboard requirements of Sydney Water have been addressed in the detailed design for these works.</p>

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Flooding and drainage	OpFD 02	The project and associated arrangements would be designed to limit increases in peak discharges into the downstream drainage systems in accordance with local council requirements.	Detailed design Pre-construction	Compliant	CDS-JV	This is being addressed in detailed drainage design. The Flood Mitigation Strategy Stage 2 will address the design measures to minimise impacts to flooding for operational requirements. The Stage 2 FMS is expected to be submitted to DP&E in March 2020.
Flooding and drainage	OpFD 03	The control and mitigation of potential localised flooding and drainage impacts during operation would include: <ul style="list-style-type: none"> • Drainage systems that are of insufficient capacity would be modified or upgraded to cater for increased flows • Where new drains connect with existing drainage networks a survey and condition assessment would be undertaken to inform detailed design • The efficiency of transverse drainage upgrades would be taken into account during detailed design • The effects a partial blockage of major hydraulic structures on flooding behaviour would be considered when determining finished road level and flood wall heights. 	Detailed design Pre-construction	Compliant	CDS-JV	This is being addressed in detailed drainage design. The Flood Mitigation Strategy Stage 2 will address the design measures to minimise impacts to flooding for operational requirements. The Stage 2 FMS is expected to be submitted to DP&E in March 2019.

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Flooding and drainage	OpFD 04	Tunnel entries and associated flood protection barriers would be located above the PMF level or the 100 year ARI flood level plus 0.5 metres (whichever is greater). The same hydrological standard would be applied to tunnel ancillary facilities such as tunnel ventilation and water treatment plants where the ingress of floodwaters would also have the potential to flood the tunnels.	Detailed design Pre-construction	Compliant	CDS-JV	This is being addressed in detailed drainage design. The Flood Mitigation Strategy Stage 2 will address the design measures to minimise impacts to flooding for operational requirements. The Stage 2 FMS is expected to be submitted to DP&E in March 2020.
Flooding and drainage	OpFD 05	A suitable freeboard would be incorporated into the design of openings into the new road tunnels (eg at the location of the tunnel portals and ventilation shafts). These designs would take into account the impacts of a partial blockage of major hydraulic structures as well as climate change induced sea level rise on PMF event levels.	Detailed design / pre-construction	Compliant	CDS-JV	This is being addressed in detailed drainage design. The Flood Mitigation Strategy Stage 2 will address the design measures to minimise impacts to flooding for operational requirements, including climate change impacts. The Stage 2 FMS is expected to be submitted to DP&E in March 2020.

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Flooding and drainage	OpFD 06	Emergency response facilities, including the motorway control centre, tunnel fire water tank and pump buildings and associated electrical substations would be locate above the PMF level or the 100 year ARI flood level plus 0.5 metres (whichever is greater).	Detailed design / pre-construction	Compliant	CDS-JV	This is being addressed in detailed drainage design. The Flood Mitigation Strategy Stage 2 will address the relevant design measures for operational requirements. The Stage 2 FMS is expected to be submitted to DP&E in March 2020.
Groundwater	GW01	An Acid Sulfate Soil Management Plan (ASSMP) would be prepared including the measures and monitoring to be undertaken where potential acid sulfate soils are expected. The plan would outline the type of treatment required for acid sulfate soils, bunding and requirement for treatment ponds.	Pre-construction	Compliant	CDS-JV	This is addressed in Appendix A of the Construction Soil and Water Quality Sub-plan (CSWQSP; M5N-ES-PLN-PWD-0005; approved 15/07/16).
Groundwater	GW02	A groundwater and soil salinity report would be prepared prior to the commencement of earthworks to assess the potential impacts to the local hydrogeological regime.	Pre-construction	Compliant	CDS-JV	A Groundwater and Soil Salinity Report (M5N-GOL-TER-100-200-GT-1520) has been prepared to comply with this requirement.
Groundwater	GW03	Contingency measures to address leachate management at the Alexandria Landfill during construction and prior to the commissioning of the new leachate treatment plant would be explored during detailed design. Identified measures would be detailed in the CEMP and implemented during construction.	Construction	Compliant	CDS-JV	The Landfill Closure Management Plan (LCMP; M5N-GOL-TER-900-116-0012) has been prepared and meets this

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						<p>requirement. The LCMP was submitted to DPE on 2/06/16.</p> <p>Works are being conducted in accordance with the LCMP.</p>
Groundwater	GW04	The tunnel construction program would be constructed in accordance with an overarching CEMP for the project which would include measures to manage contaminated groundwater issues. This may include removal of the source of the contamination by excavation and remediation of shallow impacted soils or engineering a solution to prevent the migration of contaminated groundwater into the tunnels.	Construction	Compliant	CDS-JV	<p>The approved CEMP includes a Construction Soil and Water Quality Sub-plan (CSWQSP; M5N-ES-PLN-PWD-0005). In addition, a Construction Contaminated Land Management Plan (M5N-ES-PLN-PWD-0033), that addresses contaminated groundwater issues, required under CoA D54, has been prepared in consultation with EPA and the relevant Councils and was submitted to DPE (2/6/16) prior to works impacting on contaminated land or water. Areas of identified contamination</p>

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						are being managed in accordance with Remediation Action Plans, developed in accordance with CoA B31 and the Contaminated Land Management Act 1997. Groundwater contamination will be monitored throughout the construction phase in accordance with the Water Quality Plan and Monitoring Program (M5N-ES-PLN-PWD-0027).
Groundwater	GW05	Intersected shallow contaminated groundwater would be directed to the construction water treatment plant prior to discharge. Elsewhere, collection and treatment options would be considered and releases made under relevant discharge criteria.	Construction	Compliant	CDS-JV	Refer to Section 7.1 of the Construction Soil and Water Quality Sub-plan (CSWQSP; M5N-ES-PLN-PWD-0005) for the location of construction water treatment plants. All captured groundwater is sent to the relevant water treatment plant prior to

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						discharge. Discharges from water treatment plants are in accordance with the water quality requirements of the Environment Protection Licence (EPL No. 20772 or No. 4627).
Groundwater	GW06	The intersection of shallow groundwater at the Arncliffe construction compound (C7) would be managed under CEMP(s) for the project. In the event that contaminated groundwater is intersected the approach would be to either remove the source of the contamination by excavation and remediation of shallow impacted soils or engineering a solution to prevent the migration of contaminated groundwater into the project tunnels.	Construction	Compliant	CDS-JV	Refer to Section 7.1 of the Construction Soil and Water Quality Sub-plan (CSWQSP; M5N-ES-PLN-PWD-0005). All captured groundwater at the Arncliffe construction compound is sent to the construction water treatment plant at this compound for treatment prior to discharge. Any unexpected finds of contamination would be managed in accordance with the Manage Contaminated Land Procedure (M5N-ES-PRC-PWD-0036). Appropriate

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						measures to manage the source of the contamination would be developed in accordance with the requirements of CoA B31.
Groundwater	GW07	Treated waste water would be stored and re-used for project purposes wherever possible. Groundwater reuse would be in accordance with the policies of sustainable water use of the NSW Office of Water, such as dust suppression and earthworks	Construction	Compliant	CDS-JV	Refer to Section 7.1 of the Construction Soil and Water Quality Sub-plan (CSWQSP; M5N-ES-PLN-PWD-0005) and the Manage Soil and Water Procedure (M5N-ES-PRC-PWD-0035). The approved Water Reuse Strategy identifies options for the reuse of treated water on construction sites.
Groundwater	GW08	Where saturated faults and fractures are intersected additional rock support would be installed in order to ensure tunnel stability. Appropriate waterproofing measure to reduce the inflow to an acceptable quantity will be applied as required. Measures can range from a spray-on membrane to grouting or installation of a sheet membrane	Construction	Compliant	CDS-JV	This is addressed in the Design Plan (M5N-DS-PLN-PWD-0001) and the Construction Management Plan (M5N-CN-PLN-PWD-0001).

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Groundwater	GW09	Where higher than expected inflows are experienced as beneath the Cooks River and under other major surface water features, appropriate waterproofing measure to permanently reduce the inflow to an acceptable quantity will be applied as required. Measures can range from a spray-on membrane to grouting or installation of a sheet membrane depending on the inflow volume	Construction	Compliant	CDS-JV	This is addressed in the Design Plan (M5N-DS-PLN-PWD-0001) and the Construction Management Plan (M5N-CN-PLN-PWD-0001).
Groundwater	GW10	Building materials that are resistant to aggressive groundwater conditions would be selected.	Design	Compliant	CDS-JV	This is addressed in the Design Plan (M5N-DS-PLN-PWD-0001) and design reports.
Groundwater	GW11	<p>The project works would be undertaken in accordance with a CEMP(s) for the project which would include the following management measures:</p> <ul style="list-style-type: none"> • Stockpiles of fuels, hazardous liquids and chemicals would be stored in an impervious bunded area in accordance with Australian Standards and EPA guidelines • The storage of fuels and chemicals would be limited to locations more than 40 metres from any water course • With the exception of Arncliffe construction compound, re-fuelling would occur in bunded areas or in areas beyond 40 metres from waterways. Where refuelling occurs outside bunded areas, specific refuelling procedures would be in place and operators would be trained in these procedures. Spill kits would be readily available to manage re-fuelling outside bunded areas. At Arncliffe construction compound, a bunded area would be provided where all refuelling would occur. • Vehicles would be properly maintained to minimise the risk of fuel/oil leaks and routine inspections of construction equipment would be undertaken to identify any fuel/oil leaks • Emergency spill kits would be kept on-site and project personnel would be aware of the location of spill kits and trained in their use • Hazardous materials handling procedures would be documented and implemented • In the event of an incident resulting in impacts to human health or the environment, works would cease immediately and the EPA would be notified (if required) • Erosion and sediment control measures would be regularly inspected, and particularly following rainfall events. The controls would remain in place until construction works are completed and areas are stabilised. 	Construction	Compliant	CDS-JV	These measures are identified in Section 7.1 of the Construction Soil and Water Quality Sub-plan (CSWQSP; M5N-ES-PLN-PWD-0005). Implementation of these measures are reviewed/inspected by the Environmental Representative during fortnightly inspections and the Site Environmental Coordinators during weekly environmental inspections. Erosion and sediment controls are also inspected

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						regularly by the Environmental Coordinators, including after rainfall events, and fortnightly by the project Soil Conservationist. Compliance with this requirement is monitored through the fortnightly ER inspections.
Groundwater	GW12	A tunnelling procedure that details a methodology to determine when and what type of waterproofing is required to be installed during construction would be implemented during construction. Pre- excavation pressure grouting may also be used in locations identified that could produce substantial inflows to reduce groundwater inflows to an acceptable level. Post grouting (ie grouting undertaken post excavation) may also be required to further reduce groundwater inflows. Post grouting would occur within one month post excavation.	Construction	Compliant	CDS-JV	Detailed design for the tunnel waterproofing is addressed in the following design reports which are now finalised: - Tunnel Water Resisting Lining Systems - Tunnel Groundwater Control Systems - Tunnel Ground Improvement Grouting. Waterproofing design requirements from the above reports are being incorporated into tunnelling work packs and procedures.

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Groundwater	GW13	A groundwater monitoring program would be prepared and implemented to monitor groundwater impacts during construction. This would include the monitoring of groundwater inflow into the tunnels. The program would be developed in consultation with the EPA, DPI (Fisheries), NSW DPI Water and relevant councils.	Construction	Compliant	CDS-JV	This is addressed by the approved Water Quality Plan and Monitoring Program (WQP&MP; M5N-ES-PLN-PWD-0025). The WQP&MP was provided to Councils, DPI (Water) and EPA for consultation on 3/05/16, and to Sydney Water on 14/06/16.
Groundwater	GW14	Where the project alignment passes close to watercourses and inflows are elevated, appropriate waterproofing measures to permanently reduce the inflow to an acceptable quantity would be applied as required	Construction	Compliant	CDS-JV	Grouting works continue to be undertaken adjacent to the Cooks River where geotechnical investigations have confirmed elevated groundwater inflows to the tunnel during excavation.
Groundwater	GW15	In the event that the drawdown in a licensed water supply bore or irrigation bore exceeds two metres (in accordance with the Aquifer Interference Policy) or that impacts to groundwater quality alter the beneficial use of the water, measures would be taken to 'make good' the impact by restoring the water supply to pre-development levels. The measures taken would be dependent upon the location of the impacted bore and would be determined in consultation with the affected licence holder but could include, deepening the bore, providing a new bore or providing an alternative water supply.	Construction Operation	Compliant	CDS-JV	This is addressed in the Water Quality Plan and Monitoring Program (M5N-ES-PLN-PWD-0025).

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Groundwater	GW16	<p>A Settlement Monitoring Plan would be prepared that would provide details on:</p> <ul style="list-style-type: none"> • Location of monitoring points • Duration of monitoring • Data collection and review • Roles and responsibilities for review of data • Triggers and actions for corrective actions. 	Construction	Compliant	CDS-JV	The Instrumentation and Monitoring Plan (M5N-GOL-DRT-100-200-GT-1530) has been developed and details the locations, durations and frequency for monitoring programs for settlement. The related Acceptable Effects Report contains trigger values and management responses for these monitoring programs. This is described in Section 1.3 of the Construction Soil and Water Quality Sub-plan (M5N-PM-PLN-PWD-0005; approved 15/07/16).
Groundwater	GW17	Building conditions surveys would be undertaken in the zone of influence of the tunnel settlement where the settlement is expected to have a potential impact. In the unlikely event that any damage occurs to a property, appropriate rectifications would be carried out.	Construction	Compliant	CDS-JV	Letters of offer for property condition surveys and the property condition surveys themselves are underway, and are being executed progressively in line with the RMS

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						substratum acquisition process. Refer to CoA B58 (Appendix A).
Groundwater	GW18	Services in locations where differential/ angular settlement is anticipated would be identified. A monitoring plan, triggers and actions would be agreed with the relevant utility owner prior to potential impacts occurring.	Construction	Compliant	CDS-JV	The Instrumentation and Monitoring Plan (M5N-GOL-DRT-100-200-GT-1530) has been developed and details the locations, durations and frequency for monitoring programs for settlement. The related Acceptable Effects Report contains trigger values and management responses for these monitoring programs. Consultation with utility owners is ongoing during the design phase in relation to potential impacts on services.

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Groundwater	GW19	A monitoring program, undertaken as part of the Settlement Management Plan, would be carried out prior to excavation until all relevant settlement has stabilised. Monitoring would be for a period of not less than six months after settlement has stabilised.	Construction	Compliant	CDS-JV	The Instrumentation and Monitoring Plan (MSN-GOL-DRT-100-200-GT-1530) has been developed and details the locations, durations and frequency for monitoring programs for settlement.
Groundwater	OpG W01	An OEMP would be prepared and implemented to outline management measures for groundwater inflows, treatment and discharge and protocols for spillages or incidents. Monitoring parameters may include groundwater levels, groundwater quality including field parameters, laboratory analytes and sample frequency.	Pre-operation	Not yet triggered	CDS-JV	The OEMP will be prepared in accordance with this requirement and will be submitted to DPE for approval prior to operation.
Groundwater	OpG W02	The drainage system would be regularly maintained in accordance with the Operational Environmental Management Plan.	Pre-operation	Not yet triggered	CDS-JV	The OEMP will be prepared in accordance with this requirement and will be submitted to DPE for approval prior to operation.
Groundwater	OpG W03	A groundwater monitoring program would be prepared and implemented to monitor groundwater impacts during tunnel operations. This would include the monitoring of groundwater inflow into the tunnels. The program would be developed in consultation with the EPA, DPI (Fisheries), NSW DPI Water and relevant councils. The groundwater monitoring program would continue (where appropriate) the construction groundwater monitoring program (GW13) and would continue for three years, after which, the requirement for further monitoring would be assessed. The following analytes would be added to the groundwater baseline monitoring program for the project in order to inform the discharge water quality criteria <ul style="list-style-type: none"> • Ammonium • Phenols • Organophosphorus pesticides • Polychlorinated biphenyls (PCBs). Discharge water quality criteria would be developed in consultation with the EPA.	Pre-operation	Not yet triggered	CDS-JV WCX M5 AT	The operational phase groundwater monitoring program will be prepared prior to operation in accordance with this requirement.

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Groundwater	OpG W04	Contingency measures to address leachate management in the event of pump failure would be explored during detailed design and implemented in the Landfill Closure Plan.	Pre-construction	Compliant	CDS-JV	The Landfill Closure Management Plan (LCMP; M5N-GOL-TER-900-116-0012) has been prepared and includes contingency measures for leachate management. The LCMP was submitted to DPE on 2/06/16.
Groundwater	OpG W05	The final design capacity of the new leachate treatment plant would have a maximum 200 kilolitres per day and would be confirmed in consultation with Environment Protection Authority and Department of Primary Industries (Water) during detailed design.	Detailed design	Compliant	CDS-JV	Design of a new leachate treatment plant will be undertaken in consultation with EPA and DPI Water during detailed design.
Non-Aboriginal heritage	NAH01	Protocols would be developed for anticipated categories of unexpected non-Aboriginal heritage finds, such as tram infrastructure, late 19th to early 20th refuse, and brick works. In the event of an unexpected cultural heritage find outside of these specific protocols, the Standard Management Procedure – Unexpected Archaeological Finds (Roads and Maritime, 2015a) would be followed. This would include notification to the NSW Heritage Division of OEH (highly effective).	Pre-construction Construction	Compliant	CDS-JV	The approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006) includes a Historical Archaeological Research Design (Appendix D), which describes the anticipated categories of non-Aboriginal heritage finds for the project, and incorporates the Roads and

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						Maritime unexpected finds procedure (Appendix A).
Non-Aboriginal heritage	NAHO 2	Construction personnel would be made aware of non-Aboriginal heritage sites as part of the site induction. These sites would be identified on sensitive area plans and in the CEMP (highly effective).	Pre-construction Construction	Compliant	CDS-JV	The approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006) addresses this requirement. Heritage sites are identified on heritage maps contained in Appendix B to the CHSP and are also identified on Site Environment Plans.
Non-Aboriginal heritage	NAHO 3	As part of the construction heritage management plan, an overarching historical archaeological research design would be prepared prior to commencement of construction in consultation with the NSW Heritage Division of OEH. It would describe clear significance thresholds to possible archaeological items that may be uncovered during works and designate when monitoring, testing and / or salvage and excavation should occur in relation to the project works and timing. Post-excavation reporting, including artefact analysis and additional historical research (where necessary), would be required for any historical archaeological investigations undertaken (moderately effective).	Design	Compliant	CDS-JV	The Historical Archaeological Research Design is provided in Appendix D to the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). The CHSP was provided to the NSW Heritage Division of OEH for consultation on 3/5/16.

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						All potential archaeological finds will be managed and reported in accordance with the CHSP.
Non-Aboriginal heritage	NAHO 4	<p>A construction heritage management plan would be prepared prior to construction in consultation with the NSW Heritage Division of OEH, local councils and Sydney Water. The plan would detail how construction impacts on heritage would be minimised and managed including training and induction processes for construction personnel. Inductions are to cover built heritage, landscape and historical archaeological sites and their management, and provide heritage guidance on how to avoid / manage impacts. The induction would be prepared in consultation with a suitably qualified heritage specialist and historical archaeologist. As a minimum, the plan would include the following:</p> <ul style="list-style-type: none"> • Induction protocols for staff and project personnel to undertake a cultural heritage induction, to assist them in understanding and complying with their legal obligations under the Heritage Act 1977 • A list, plan and GIS layer showing the location of identified heritage items • A significance assessment and statement of significance for each item • Detail the mitigation measures identified and when the measures are to be implemented • Provide protocols and procedures to be enacted during construction to ensure the protection of items of heritage significance, or elements that contribute to the values of the heritage conservation area • An unexpected finds procedure in the event that further sites are identified during works. The separate procedure for the discovery of skeletal remains (highly effective). 	Pre-construction	Compliant	CDS-JV	<p>The approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006) was provided to the NSW Heritage Division of OEH, local councils and Sydney Water for consultation on 03/05/2016.</p> <p>The CHSP includes lists and plans to identify all known heritage items within and near the project footprint (Appendix B). A statement of significance for each item is contained in Appendix C. Mitigation measures are identified in Section 6 of the CHSP, which link to the protocols</p>

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						and procedures to be implemented to protect heritage during construction. The RMS unexpected finds procedure will be implemented for the project and is provided in Appendix A of the CHSP.
Non-Aboriginal heritage	NAHO 5	Impacts to built heritage, heritage landscapes and historical archaeological sites, will to the greatest extent practicable, be avoided and minimised. Where impacts are unavoidable, works shall be undertaken in accordance with the strategy outlined in the construction heritage management plan (moderately effective).	Pre-construction Construction	Compliant	CDS-JV	This is addressed in Section 6 of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006).
Non-Aboriginal heritage	NAHO 6	In relation to the house at 82 Campbell Street and terrace group at 28-44 Campbell Street the following would be undertaken: <ul style="list-style-type: none"> The buildings would be subject to a full archival recording following the NSW Heritage Division guidelines How to Prepare an Archival Recording (NSW Heritage Office, 2003) and Photographic recording of heritage items using film or digital capture (NSW Heritage Office, 2006) Consideration should be given as to whether elements of the houses could be salvaged and used to maintain or restore other properties managed by Roads and Maritime (somewhat effective). 	Pre-construction Construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Section 6 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). Archival recording and salvage reporting is complete for the

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						house/terraces on Campbell Street. Reuse of salvaged items will be in accordance with the Urban Design and Landscape Plan, once approved. Any residual items will be made available to local property owners, in accordance with CoA B35.
Non-Aboriginal heritage	NAH07	<p>In relation to Rudders Bond Store, the following would be undertaken:</p> <ul style="list-style-type: none"> The bond store would be subject to a full archival recording following the NSW Heritage Division guidelines How to Prepare an Archival Recording (NSW Heritage Office, 2003) and Photographic recording of heritage items using film or digital capture (NSW Heritage Office, 2006). This would include a comparative analysis of the Rudders Bond Stores should be prepared against other laminated truss Symonds buildings in NSW and Australia Consideration would be given as to whether the selected laminated timber columns could be salvaged and re-erected and clad elsewhere within the St Peters interchange or the local area. The cladding and brick walls are not considered to be of heritage significance and are not included within the reuse proposal. The level of fabric salvage required, the appropriate methodology for salvage and identification of appropriate adaptive reuse and locations for reuse of these elements would be determined in consultation with Heritage Council, the NSW Heritage Division of OEH and the New M5 Design Panel, with advice from a suitably qualified specialist informed by the full archival recording prior to the demolition of the item Investigate options for documenting the history of the Ralph Symonds company and presenting it to a national audience, in partnership with stakeholders such as the City of Sydney and Powerhouse Museum. The focus would be on their development of innovative timber construction methods during and after World War II (somewhat effective). 	Design Pre-construction Construction	Compliant	CDS-JV	<p>This is addressed in the mitigation measures contained in Section 6 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006).</p> <p>Archival recording has been completed for Rudders Bond Store. OEH have endorsed the salvage and deconstruction approach for this heritage item. Demolition/deconstruction commenced during the</p>

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						reporting period. Preliminary heritage interpretation work is ongoing with the intention to report as part of the overall Heritage Interpretation Plan for the project.
Non-Aboriginal heritage	NAH08	In relation to the Service Garage at 316 Princes Highway, the following would be undertaken: <ul style="list-style-type: none"> · An existing condition survey report and program of monitoring would be undertaken to identify early potential risks to the heritage item · A photographic archival recording is undertaken prior to the current use ceasing. The archival recording should conform to the guidelines provided in How to prepare archival records (NSW Heritage Office, 2003) and Photographic recording of heritage items using film or digital capture (NSW Heritage Office, 2006). The archival recording should be lodged with the relevant local libraries and the State Library of NSW. · The oral history should be prepared, which seeks to contact past and present employees as well as others with memories of the service station. The oral history should be lodged with the relevant local libraries and the State Library of NSW (somewhat effective). 	Pre-construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Section 6 and Appendix B of the Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006; submitted to DPE 30/05/16). A condition survey report has been completed and monitoring equipment has been installed in accordance with

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						the CHSP. Photographic archival recording has also been completed. Monitoring has identified no impacts to date.
Non-Aboriginal heritage	NAH09	Detailed mitigation and management measures would be developed for each heritage item directly impacted by the project with regard to vibration (surface and tunnelling) and settlement once final disturbance areas have been identified through detailed design. These mitigation and management measures would be included in the CEMP(s) for the project (highly effective).	Design	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Section 6 of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006).
Non-Aboriginal heritage	NAH10	Surface works would adhere to safe working distances, and an existing condition survey report and program of monitoring would be undertaken to identify early potential risks at the following non- Aboriginal heritage items: <ul style="list-style-type: none"> • Wollie Creek Culvert • St Peters Public School, including interiors • Terrace housing, including interiors (I273) • Waugh and Josephson industrial buildings, former, showroom, offices and workshops, including interiors • Town and Country Hotel, including interiors • Group of Victorian Filigree and Victorian Italianate terrace houses – Narara, including interiors • Terrace group I12 • Water Board pump house, including Interior and substructure • Industrial Building, ‘Frank G Spurway’ • Former Alexandria Spinning Mills (highly effective). 	Pre-construction Construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Section 6 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). Condition surveys are being undertaken at the listed items prior to commencement of works that

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						may impact on the item.
Non-Aboriginal heritage	NAH11	An existing condition survey report and program of monitoring would be undertaken to identify early potential risks at the Macdonaldtown Stormwater Channel #3 (highly effective).	Pre-construction Construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Section 6 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). The existing condition survey report has been completed for the Channel. Vibration monitoring would be implemented where required by the relevant CNVIS for the works. Settlement monitoring would be undertaken where required by the Instrumentation and Monitoring



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						Plan (M5N-GOL-DRT-100-200-GT-1530).
Non-Aboriginal heritage	NAH12	<p>The following non-Aboriginal heritage properties would be considered for at property acoustic treatment:</p> <ul style="list-style-type: none"> St Peters Public School, including interiors Terrace group I12 (highly effective). <p>Acoustic treatments would be confirmed during detailed design, and would consider the principles of The Burra Charter (the Australia ICOMOS charter for places of Cultural Significance) (ICOMOS (Australia), 2013).</p>	Design	Compliant	CDS-JV	<p>This is addressed in the mitigation measures contained in Section 6 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). The final list of properties eligible for acoustic treatment are identified in the CNVIS developed for each area of works. The CNVIS for the Local Roads Upgrades works identifies these properties for acoustic treatments.</p>

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Non-Aboriginal heritage	NAH13	<p>Management measures for the Goodsell Estate Heritage Conservation Area would include:</p> <ul style="list-style-type: none"> · Landscaping, to mitigate the impacts of realigning and widening roads, as well as alterations to the existing stormwater detention basin · Surface works would adhere to safe working distances · An existing condition survey report and program of monitoring would be undertaken to identify early potential risks to relevant structures within the conversation area and within 50 metres of the main alignment tunnels (highly effective). 	Design Pre-construction Construction Post-construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Section 6 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). The condition survey process has been implemented for properties within the zone of influence. Safe working distances are specified in the relevant CNVIS. Landscaping is detailed in the Urban Design and Landscape Plan.
Non-Aboriginal heritage	NAH14	<p>Management measures for the Clemton Park Urban Conservation Area would include:</p> <ul style="list-style-type: none"> • Surface works would adhere to safe working distances • An existing condition survey report and program of monitoring would be undertaken to identify early potential risks to relevant structures within the conservation area • Landscaping would provide screening of the Bexley Road South motorway operations complex from the Clemton Park Urban Conservation Area, once established (highly effective). 	Design Pre-construction Construction Post-construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Section 6 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). The condition survey process has been implemented for properties within the zone of

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						influence. Safe working distances are specified in the relevant CNVIS. Landscaping is detailed in the Urban Design and Landscape Plan.
Non-Aboriginal heritage	NAH15	Management measures for the Pallamanna Parade Urban Conservation Area would include: <ul style="list-style-type: none"> • Surface works would adhere to safe working distances • An existing condition survey report and program of monitoring would be undertaken to identify early potential risks to relevant structures within the conservation area • Landscaping would provide screening of the project from the Pallamanna Parade Urban Conservation Area, once established (highly effective). 	Design Pre-construction Construction Post-construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Section 6 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). The condition survey process has been implemented for properties within the zone of influence. Safe working distances are specified in the relevant CNVIS. Landscaping is detailed in the Urban Design and Landscape Plan.



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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Non-Aboriginal heritage	NAH16	<p>The following management measures would be implemented with respect to Alexandra Canal:</p> <ul style="list-style-type: none"> Monitoring during works to ensure vibration is not impacting the Alexandra Canal walls Preparation of an archival recording of the Canal, involving both scale drawings and photography, prior to the removal of sandstone blocks Numbering of sandstone blocks so that those displaced by the discharge points can be replaced in their previous locations Stockpiling displaced sandstone blocks for use in repairs of other sections of the Alexandra Canal Installation of heritage interpretation regarding the Canal in accordance with an interpretation plan (moderately effective) Any rehabilitation or conservation works in the vicinity of these areas would be determined in consultation with Sydney Water, as the asset owner Skilled trades people would be used for the proposed works along Alexandra Canal that involve direct interaction with the heritage item. 	Design Construction	Compliant	CDS-JV	<p>This is addressed in the mitigation measures contained in Section 6 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0009).</p> <p>Recording of the canal was completed prior to the commencement of works at this location. Photographs are included in Appendix E of the plan.</p>
Non-Aboriginal heritage	NAH17	<p>An interpretation plan would be prepared and implemented for:</p> <ul style="list-style-type: none"> Alexandra Canal and the industrial heritage of the area. This shall include installation of a heritage interpretation regarding the Canal in accordance with an interpretation plan The St Peters Brickpit geological site, including: <ul style="list-style-type: none"> - Integrate the geological interpretation into the Sydney Park brickworks in consultation with City of Sydney, as the industrial counterpart to the geological history to tell a more complete story of historical land use in the area - Integrate the geological / palaeontological discovery of the <i>Paraclytosaurus davdi</i> - Retain an exposed section of the fresh shales and siltstones, including features associated with deposition of the sedimentary rocks, and later formed fractures such as joints and faults, if feasible and safe to do so for both landform stability and ongoing access for interpretation (moderately effective). 	Design Construction	Compliant	CDS-JV	<p>This is addressed in the mitigation measures contained in Section 6 and Appendix B of the Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006; submitted to DPE 30/05/16).</p> <p>Development of the heritage interpretation plan is ongoing.</p>

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Non-Aboriginal heritage	NAH18	An archival recording of the St Peters brickpit geological site would be undertaken prior to and during the construction (highly effective).	Pre-construction Construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Sections 6 and 7 and Appendix B of the Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006; submitted to DPE 30/05/16). Pre-construction archival recording of the site has been undertaken.
Non-Aboriginal heritage	NAH19	An assessment and / or consultation with a palaeontologist to determine whether the project impact area has potential to contain further specimens of scientific interest (highly effective).	Pre-construction Construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Sections 6 and 7 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). Consultation has been undertaken with a palaeontologist in accordance with this requirement.

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Non-Aboriginal heritage	NAH20	Approaches to appropriately manage impacts of the project to the individual contribution of views into and out from heritage properties and the long-term impact of construction would be detailed in a CEMP (highly effective). Individually tailored landscape treatments would be developed during detailed design to mitigate visual impacts at 2-34 Campbell Road, St Peters.	Design Pre-construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Section 6 and Appendix B of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). Landscape treatments will be addressed in the Urban Design and Landscape Plan.
Non-Aboriginal heritage	NAH21	The construction heritage management plan would include detailed procedures / strategies for the conservation and curation of any historical artefacts recovered during works (moderately effective).	Pre-construction Construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Sections 4.2 and 6 of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006).
Non-Aboriginal heritage	NAH22	Urban design and landscaping would be undertaken to manage visual impacts to the following additional non-Aboriginal heritage items: <ul style="list-style-type: none"> · Terrace housing (I273) · Southern Cross Hotel (I277) · Water Board pump house (I18) (highly effective). 	Design Construction Post-construction	Compliant	CDS-JV	This is addressed in the mitigation measures contained in Section 6 of the approved Construction Heritage Sub-Plan (CHSP; M5N-ES-PLN-PWD-0006). Urban design and

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						landscaping is addressed in the Urban Design and Landscape Plan. The UDLP was submitted to DPE for approval on 10/07/17.
Biodiversity	B01	A Flora and Fauna Management Plan will be developed before construction and in accordance with Roads and Maritime’s Biodiversity Guidelines (RTA, 2011). The Plan will identify potential impacts to biodiversity and describe mitigation measures and environmental controls to be implemented during construction, including measures to protect biodiversity features which will be retained.	Pre-construction	Compliant	CDS-JV	Refer CoA D68(d) (Appendix A)
Biodiversity	B02	The removal of established vegetation will be minimised, where possible.	Pre-construction Construction	Compliant	CDS-JV	Refer to Section 6, controls FF11 and FF14, in the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16). Also refer to CoA D52 (Appendix A).
Biodiversity	B03	Pre-clearance activities will be carried out in accordance with Guide 1 Pre-clearing process of Roads and Maritime’s Biodiversity Guidelines (RTA, 2011). Pre-clearing surveys will be undertaken by a suitably qualified ecologist to identify the presence of: <ul style="list-style-type: none"> · Hollow-bearing trees · Threatened flora and fauna. 	Pre-construction Construction	Compliant	CDS-JV	Refer to Section 6, controls FF11 and FF14, in the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16). Also refer to CoA D52 (Appendix A).

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Biodiversity	B04	Trees will be removed in accordance with <i>Guide 4 – Clearing of Vegetation and Removal of Bushrock of Roads and Maritime’s Biodiversity Guidelines</i> (RTA, 2011).	Construction	Compliant	CDS-JV	Refer to Section, controls FF12, FF18 and FF19, in the Construction Flora and Fauna Sub-plan (CFFSP; M5N-ES-PLN-PWD-0007). Pre-clearing surveys were undertaken and are included in Appendix F of the CFFSP.
Biodiversity	B05	Where vegetation clearance is required, exclusion zones will be established in accordance with <i>Guide 2 Exclusion Zones of Roads and Maritime’s Biodiversity Guidelines</i> (RTA, 2011).	Construction	Compliant	CDS-JV	The Construction Flora and Fauna Sub-plan (CFFSP; M5N-ES-PLN-PWD-0007; approved 20/07/16) has been prepared in accordance with Guide 4 – Clearing of Vegetation and Removal of Bushrock of Roads and Maritime’s Biodiversity Guidelines (RTA, 2011). Tree clearance records identify that tree clearing has been undertaken in accordance with the CFFSP.

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Biodiversity	B06	Where reasonable and feasible, mature and hollow-bearing trees will be retained. Where this is not reasonable and feasible, nest boxes will be installed to mitigate the impacts of removing hollow bearing trees in accordance with Table 8.1 of Guide 8 – Nest boxes of Roads and Maritime’s Biodiversity Guidelines (RTA, 2011) at least one month prior to the commencement of construction	Pre-construction	Compliant	CDS-JV	The Construction Flora and Fauna Sub-plan (CFFSP; M5N-ES-PLN-PWD-0007; approved 20/07/16) has been prepared in accordance with Guide 2 – Exclusion Zones of Roads and Maritime’s Biodiversity Guidelines (RTA, 2011). Tree clearance records identify that exclusion zones have been established prior to clearing in accordance with the CFFSP.
Biodiversity	B07	Locally indigenous species will be included as part of landscaping and rehabilitation works to promote native fauna habitat.	Design	Compliant	CDS-JV	Refer to Section 6.1 and 6.7 of the Construction Flora and Fauna Sub-plan (CFFSP; M5N-ES-PLN-PWD-0007; approved 20/07/16) for the methods to identify and retain habitat trees where feasible, and Section 7.2 and Appendix D for the replacement of habitat trees with nest boxes.

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						Refer to Appendix F (pre-clearance survey report) of the CFFSP for identified habitat trees. Nest boxes have been installed to offset potential habitat loss due to clearing at the Arncliffe Construction Compound. Nest boxes have also been installed to offset potential habitat loss due to clearing for the Local Roads Upgrades.
Biodiversity	B08	Should unexpected threatened flora or fauna be located at any time during construction, relevant works will cease in the area to prevent further harm to the individual. Should this occur, a suitably qualified ecologist will be engaged to advise on appropriate mitigation and management measures.	Construction	Compliant	CDS-JV	Refer to Section 6.7 of the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16) for this requirement.
Biodiversity	B09	Any fauna handling would be undertaken by an appropriately licenced ecologist in accordance with <i>Guide 9 – Fauna handling of Roads and Maritime’s Biodiversity Guidelines</i> (RTA, 2011).	Construction	Compliant	CDS-JV	Refer to Section 6.7 of the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16) for this requirement.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Biodiversity	B10	<p>The Green and Golden Bell Frog Plan of Management Plan will be finalised and implemented to minimise and manage impacts to the Arncliffe key population. The Green and Golden Bell Frog Plan of Management Plan would be approved by the Commonwealth Department of the Environment and OEH, and would include:</p> <ul style="list-style-type: none"> · Management measures to be implemented at the Arncliffe construction compound (C7) and RTA Ponds to minimise and manage impacts to the Green and Golden Bell Frog habitat and key population during construction. · Management measures relating to the enhancement of existing habitat at the Marsh Street Wetland · Supplementary management measures for consideration to mitigate and minimise impacts to the Green and Golden Bell Frog. 	Construction	Compliant	WCX M5 AT CDS-JV	<p>The Green and Golden Bell Frog Plan of Management – Arncliffe, has been finalised and was approved by DPE on 17/05/16.</p> <p>A revised POM (Rev 22) was re-submitted to DPE on 11 June 2018 and approved by DPE on 18 September 2018.</p>
Biodiversity	B11	Measures to mitigate potential water quality impacts during construction are outlined in Section 16.4 and Section 18.4 of the EIS.	Construction	Compliant	CDS-JV	<p>Refer to the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005; approved 15/07/16) and the Flood Mitigation Strategy (submitted to DPE 25/05/16). These are referenced in the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16) for this requirement.</p>

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Biodiversity	B12	Works within or near aquatic habitats and riparian areas will be managed in accordance with <i>Roads and Maritime's Guide 10 – Aquatic habitats and riparian zones</i> and <i>Guidelines for Controlled Activities on Waterfront Land</i> (DPI, 2012a).	Construction	Compliant	CDS-JV	The Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005-04; approved 15/07/16) and the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16) include these guidelines as a control measure.
Biodiversity	B13	Works within aquatic habitats or riparian zones would be undertaken to limit impacts on aquatic flora and fauna, and their habitats, and impacts on riparian areas. This would be undertaken in accordance with Guide 10 of the Biodiversity Guidelines and Guidelines for Controlled Activities on Waterfront Land (DPI, 2012a).	Construction	Compliant	CDS-JV	The Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005-04; approved 15/07/16) and the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16) include these guidelines as a control measure.
Biodiversity	B14	Where possible, construction activities would minimise disturbance to waterways and riparian land.	Design Construction	Compliant	CDS-JV	The Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005-04; approved 15/07/16) and the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-

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						0007; approved 20/07/16) include these guidelines as a control measure.
Biodiversity	B15	Stockpiles would be located outside riparian corridors.	Construction	Compliant	CDS-JV	<p>Section 3.1 – Consultation of Stormwater Infrastructure Alexandra Canal and Section 7 – Mitigation and Management Actions of the Construction Soil and Water Quality Sub-Plan (M5N-ES-PLN-PWD-0005; approved 15/07/16), and Section 6.7 of the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16) refer to this REMM.</p> <p>The distance from stockpiles to the riparian corridor has been maximised where possible at the Kingsgrove South and Bexley South</p>

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						construction compounds.
Biodiversity	B16	Weeds within the construction footprint will be actively managed prior to the clearance of vegetation. All weed material cleared from within the construction footprint of the project will be disposed of at a facility licensed to receive green waste.	Pre-construction Construction	Compliant	CDS-JV	Refer to Section 6.7 of the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16). Weed material is disposed at an appropriately licensed facility. This is monitored through the Waste Tracking Register.
Biodiversity	B17	Vegetation within the road reserve adjacent to areas to be cleared will be managed in accordance with Guide 6 – Weed Management and Guide 10 – Aquatic Habitats and Riparian Zones of Roads and Maritime’s Biodiversity Guidelines (RTA, 2011) to reduce the introduction and spread of noxious weed species.	Pre-construction Construction	Compliant	CDS-JV	The Construction Flora and Fauna Sub-plan (CFFSP; M5N-ES-PLN-PWD-0007; approved 20/07/16) has been developed in accordance with the Roads and Maritime Biodiversity Guidelines (RTA 2011). Weed

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						management is being undertaken in accordance with the CFFSP.
Biodiversity	B18	Landscaping and revegetation works will be undertaken using weed-free topsoil in accordance with the project’s urban design concept plan.	Construction	Compliant	CDS-JV	Refer to Section 6.7 of the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16).
Biodiversity	B19	A hygiene protocol will be implemented as part of the CEMP(s) for the project to prevent the spread and exacerbation of the Chytrid Fungus in accordance with <i>Guide 7 – Pathogen Management of Roads and Maritime’s Biodiversity Guidelines</i> (RTA, 2011).	Pre-construction Construction	Compliant	CDS-JV	Refer to Section 6.7 of the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16).
Biodiversity	B20	A risk assessment process will be used for each construction compound to determine the need to clean machinery prior to entering	Construction	Compliant	CDS-JV	All vehicles plant and equipment brought to site must be inspected to ensure it is clean. A Plant and Equipment Clean Down Declaration must be completed for all plant and equipment brought to site.

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Biodiversity	B21	Machinery will be cleaned prior to entering the construction compound sites.	Construction	Compliant	CDS-JV	All vehicles plant and equipment brought to site must be inspected to ensure it is clean. A Plant and Equipment Clean Down Declaration must be completed for all plant and equipment brought to site.
Biodiversity	B22	Pathogens will be identified as part of pre-clearing inspections. In the event that pathogens are identified within the construction footprint, appropriate mitigation measures will be identified by an ecologist and implemented as part of the CEMP(s) in accordance with Guide 7 – Pathogen Management of Roads and Maritime’s Biodiversity Guidelines (RTA, 2011).	Pre-construction Construction	Compliant	CDS-JV	Refer to Section 6.7 of the Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16). Visual pathogen inspections were undertaken as part of the pre-clearing inspections. No evidence of pathogens was identified.
Biodiversity	OpB01	A management plan will be developed and implemented to identify and mitigate potential ongoing impacts to biodiversity, including procedures for: <ul style="list-style-type: none"> · Management of weeds · Management, maintenance and rehabilitation of riparian land disturbed by the project and riparian areas associated with the discharge of treated water · Maintenance of nest boxes 	Operation	Not yet triggered	CDS-JV WCX M5 AT	The Construction Flora and Fauna Sub-plan (M5N-ES-PLN-PWD-0007; approved 20/07/16) will be updated prior to the commencement of permanent rehabilitation and landscaping

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						works to address rehabilitation details. This requirement also relates to the operational phase and will be addressed in the Operational Environmental Management Plan and reported on in the pre-operation compliance report.
Greenhouse Gas	GHG1	Prepare a <u>Greenhouse Gas Emissions Strategy and Management Plan</u> for the project.	Design	Compliant	CDS-JV	An Energy Efficiency & Greenhouse Gas Emissions Strategy (M5N-ES-PLN-PWD-0021) has been prepared as part of the Sustainability Plan (M5N-ES-PLN-PWD-0020-01) to meet CoA B75.
Greenhouse Gas	GHG2	Undertake an updated greenhouse gas assessment based on detailed design.	Design	Compliant	CDS-JV	This is addressed in Section 3.1 of the Energy Efficiency and Greenhouse Gas Emissions Strategy (M5N-ES-PLN-PWD-0021).

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Greenhouse Gas	GHG3	The emissions intensity of significant construction materials specified in the design of the project would be assessed and, where feasible and in compliance with technical specifications, low emission construction materials would be used.	Design	Compliant	CDS-JV	This is addressed in Section 3.1 of the Energy Efficiency and Greenhouse Gas Emissions Strategy (M5N-ES-PLN-PWD-0021).
Greenhouse Gas	GHG4	Where feasible, recycled content road construction materials such as recycled aggregates in road pavement and surfacing, or similar, would be used.	Design	Compliant	CDS-JV	This is addressed in Section 4 of the Energy Efficiency and Greenhouse Gas Emissions Strategy (M5N-ES-PLN-PWD-0021).
Greenhouse Gas	GHG5	The fuel efficiency of construction plant and equipment would be assessed before selection and, where feasible and reasonable, equipment with the highest fuel efficiency or equipment that uses lower greenhouse gas intensive fuel such as biofuels (eg biodiesel, ethanol) would be used.	Pre-construction Construction	Compliant	CDS-JV	Refer to Section 4.1 of the Energy Efficiency and Greenhouse Gas Emissions Strategy (M5N-ES-PLN-PWD-0021).
Greenhouse Gas	GHG6	Project planning would be undertaken to ensure that the site vehicle movements and construction activities are efficient, to avoid double handling of materials and unnecessary fuel use where possible.	Design	Compliant	CDS-JV	This is addressed in the Energy Efficiency and Greenhouse Gas Emissions Strategy (M5N-ES-PLN-PWD-0021).

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Greenhouse Gas	GHG7	Locally produced goods and services would be procured where feasible and cost effective to reduce transport fuel emissions.	Design Construction	Compliant	CDS-JV	This is addressed in Section 4 of the Energy Efficiency and Greenhouse Gas Emissions Strategy (M5N-ES-PLN-PWD-0021).
Greenhouse Gas	GHG8	At least six per cent of construction energy required for the project would be sourced where possible from an accredited GreenPower energy supplier	Pre-construction Construction	Compliant	CDS-JV	This is addressed in Section 4 of the Energy Efficiency and Greenhouse Gas Emissions Strategy (M5N-ES-PLN-PWD-0021). It can be confirmed that 6% of construction energy useage on the project is procured from accredited green power energy suppliers.
Greenhouse Gas	GHG9	Where possible, and fit for purpose, spoil would be beneficially re-used within the project before off- site re-use or disposal options are investigated. A spoil management strategy would be developed for the project prior to the commencement of construction and would identify spoil disposal sites and the management of excess spoil.	Pre-construction Construction	Compliant	CDS-JV	This is addressed in Section 5 of the Construction Spoil Management Plan (M5N-PM-PLN-PWD-0002). A site spoil tracking register has been developed for each individual site is and updated daily by

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						site teams. This information is collated monthly in the project Spoil Tracking Register & uploaded as a Construction Lot to Incite.
Greenhouse Gas	GHG10	Waste would be diverted from landfill, including diversion of spoil, construction and demolition waste, and commercial and industrial waste, where reasonable and feasible. The management of waste would be considered as part of the preparation of the CEMP for the project, detailing the appropriate procedures for waste management.	Design Construction	Compliant	CDS-JV	<p>This is addressed in Section 5 of the Construction Spoil Management Plan (M5N-PM-PLN-PWD-0002) and the Construction Waste and Resource Sub-plan (CWRSP; M5N-ES-PLN-PWD-0008).</p> <p>Spoil/waste is classified in accordance with the CWRSP by an independent consultant. Options for disposal/recycling are determined based on waste classification. Recycling of material is pursued where reasonable and feasible.</p>

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Greenhouse Gas	OpGH G 1	The main alignment tunnels would be designed to minimise fuel consumed by vehicles using the road, for example through the provision of a vertical alignment that allows consistent vehicle speeds to be maintained.	Design	Compliant	CDS-JV	This requirement has been addressed in the Road Geometry Design Report, which is now finalised. The tunnel road gradient has been minimised in accordance with RMS design documents and specifications to maximise fuel efficiency and reduce emissions.
Greenhouse Gas	OpGH G 2	A life cycle assessment would be undertaken as part of the detailed design in order to select mechanical and electrical systems with increased energy efficiencies, where reasonable and feasible, such as the tunnel ventilation system, tunnel lighting, water treatment systems and electronic toll and surveillance systems.	Design	Compliant	CDS-JV	This requirement is being addressed in the Road and Shared Path Lighting designs.
Greenhouse Gas	OpGH G 3	Low carbon energy generation options would be investigated as part of the detailed design process in order to reduce the demand on mains electricity and generate renewable energy onsite, where feasible. At least six per cent of energy required for the project would be sourced from an accredited GreenPower energy supplier, where possible.	Design	Compliant	CDS-JV	Refer to the Sustainability Management Plan (M5N-ES-PLN-PWD-0020). In particular, refer to the identified opportunities table.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Aboriginal heritage	AH 1	Vibration generating activities, including blasting would be conducted in a manner to ensure vibration levels do not exceed three millimetres per second at potential Aboriginal heritage site SR-OVRH-1.	Construction	Compliant	CDS-JV	Refer to Sections 5.1 and 6.1 of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006; approved 2/08/2016).
Aboriginal heritage	AH 2	Vibration monitoring would be carried out during vibration intensive works within 50 metres of SR- OVRH-1. The need for vibration monitoring would be informed by a preliminary screening of activities at this location to identify what activities have the potential for vibration at this location. The preliminary screening and works requiring monitoring would be contained within the CEMP.	Pre-construction Construction	Compliant	CDS-JV	Refer to Sections 5.1, 6.1 and 7 of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006; approved 2/08/2016). There are no works proposed within 50 m of SR-OVRH-1. The tunnel alignment is also greater than 50 m from this feature.
Aboriginal heritage	AH 3	A baseline condition assessment would be completed by a qualified structural engineer for Aboriginal site SR-OVR-1 before construction commences, followed by a condition assessment immediately following significant vibration and with recommendations for remediation measures if required.	Pre-construction Construction	Compliant	CDS-JV	Refer to Sections 5.1, 6.1 and 7 of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006; approved 2/08/2016). A pre-construction condition report was completed for this site on 18/10/2016.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Aboriginal heritage	AH 4	<p>If an Aboriginal object(s) is discovered during construction it would be managed in accordance with the Standard Management Procedure: Unexpected Heritage Items (Roads and Maritime Services, 2015), including:</p> <ul style="list-style-type: none"> • Ceasing works in the vicinity of the object(s), where there is the potential to directly or indirectly impact on the object(s) • Notifying the construction Environmental Representative and OEH of the discovery • Engaging a qualified archaeologist to determine the nature, extent and scientific significance of the object(s) • Developing management recommendations in consultation with the qualified archaeologist, OEH and RAPs. 	Construction	Compliant	CDS-JV	<p>Refer to Section 6.2 and Appendix A, RMS Management Procedure: Unexpected Heritage Items, of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006; approved 2/08/2016).</p> <p>No Aboriginal objects have been identified on the project to date.</p>
Aboriginal heritage	AH 5	<p>In order to manage the potential discovery of an Aboriginal object(s) during pile installation adjacent to Alexandra Canal the following strategy would be implemented:</p> <ul style="list-style-type: none"> - Geotechnical coring at each pile location by a geotechnical engineer to obtain intact sediment samples to a depth of around seven metres - Inspection of obtained sediment samples by a qualified archaeologist in consultation with the geotechnical engineer in order to characterise the soil profile and identify any Aboriginal archaeological materials Should Aboriginal archaeological material be present within one or more core samples, management would occur in accordance with the Standard Management Procedure: Unexpected Heritage Items (Roads and Maritime, 2015). 	Pre-construction Construction	Compliant	CDS-JV	<p>Refer to Section 6.2 and Appendix A, RMS Management Procedure: Unexpected Heritage Items, of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006; approved 2/08/2016).</p> <p>The Excavation Director has been present and has inspected core samples during coring in this location.</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Aboriginal heritage	AH 6	<p>If human remains are discovered during construction would be managed in accordance with the Standard Management Procedure: Unexpected Heritage Items (Roads and Maritime Services, 2015), including:</p> <ul style="list-style-type: none"> • Ceasing works in the vicinity of the remains, with the potential to directly or indirectly impact on the remains • Notifying the construction Environmental Representative, OEH and NSW Police of the discovery • Following directions from the NSW Police and / or OEH, as relevant, depending on the nature of the remains and the outcomes of forensic investigations. 	Construction	Compliant	CDS-JV	Refer to Section 6.2 and Appendix A, RMS Management Procedure: Unexpected Heritage Items, of the Construction Heritage Sub-Plan (M5N-ES-PLN-PWD-0006; approved 2/08/2016).
Resource use and waste minimisation	WM01	<p>Construction energy consumption would be reduced through initiatives such as:</p> <ul style="list-style-type: none"> • Use of roadheaders, which can excavate a more efficient shape for the road tunnel than tunnel boring machines, resulting in less spoil generation and less energy consumption for handling, management and transport of spoil • Local materials procurement where feasible and cost effective to reduce fuel consumption for transport • Selection of efficient construction plant and equipment where possible • Use of recycled materials where feasible • Efficient practices on site (for example, switching off engines when not in use) • Use of energy efficient or solar powered lighting for temporary construction facilities • Investigating the use of biofuel for construction vehicles. 	Construction	Compliant	CDS-JV	This is addressed by Section 4 of the Energy Efficiency and Greenhouse Gas Emissions Strategy (M5N-ES-PLN-PWD-0021), part of the project's Sustainability Plan (M5N-ES-PLN-PWD-0020).
Resource use and waste minimisation	WM02	Where feasible and reasonable, construction material would be sourced from within the Sydney region.	Pre-construction Construction	Compliant	CDS-JV	This is addressed by Section 5.6, Element 6 of the Sustainability Plan (M5N-ES-PLN-PWD-0020).

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Resource use and waste minimisation	WM03	Unnecessary resource consumption would be avoided by making realistic predictions of the required quantities of resources such as construction materials	Construction	Compliant	CDS-JV	This is addressed by Section 5.6, Element 6 of the Sustainability Plan (MSN-ES-PLN-PWD-0020-01).
Resource use and waste minimisation	WM04	Resource recovery would be applied to the management of construction waste and would include: <ul style="list-style-type: none"> • Recovery of resources for reuse-reusable materials generated by the project would be segregated for reuse either on-site or off-site where possible, including the reuse of the major waste streams (VENM and ENM) • Recovery of resources for recycling - recyclable resources (such as metals, plastics and other recyclable materials) generated during construction and demolition • Resources would be segregated for recycling • These materials would then be sent to an appropriate recycling facility for processing. • Recovery of resources for reprocessing -cleared vegetation would be mulched or chipped on-site and used for landscaping, in the absence of a higher beneficial use being identified. 	Construction	Compliant	CDS-JV	Refer to Sections 5 and 6 of the Construction Waste and Resource Sub-Plan (CWRSP; MSN-ES-PLN-PWD-0008; approved by DPE on 15/07/16).
Resource use and waste minimisation	WM05	Where reasonable and feasible, Packaging Take Back arrangements would be implemented with suppliers.	Construction	Compliant	CDS-JV	This requirement is addressed in the project's procurement strategy and is continuing to be investigated with individual suppliers Packaging take back arrangements are included in the Subcontractor Pack supplied during engagement of subcontractors and will be discussed during the projects Sustainable

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						Procurement Workshop in Feb 2018.
Resource use and waste minimisation	WM06	Wastes would be managed (classified, handled and stored) and reused / recycled / disposed of in accordance with relevant State legislation and government policies including the POEO Act, Waste Avoidance and Resource Recovery Act 2001, Waste Avoidance and Resource Recovery Strategy 2014-2021 (EPA, 2014b), and the sustainable procurement objective of the WestConnex sustainability strategy (WestConnex Delivery Authority, 2015).	Construction	Compliant	CDS-JV	This is addressed in Sections 5 and 6 of the Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008; approved 15/07/16) and Section 5.6, Element 6, of the Sustainability Plan (M5N-ES-PLN-PWD-0020).
Resource use and waste minimisation	WM07	A Construction Waste Reuse Recycling and Energy plan (CWRREMP) would be prepared as part of the CEMP detailing appropriate procedures for waste management. The Construction Waste Recycling Reuse Environment Management Plan would ensure waste disposal and energy use is minimised by tracking and reporting performance and applying corrective action as required.	Construction	Compliant	CDS-JV	This is addressed in the Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008; approved 15/07/16) and Section 5.6, Element 6 of the Sustainability Plan (M5N-ES-PLN-PWD-0020). Note: An ER audit of the CWRSP carried out on 7 February 2019

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						indicated non-compliances with the implementation of aspects of the Plan
Resource use and waste minimisation	WM08	Wastes would be managed using the waste hierarchy principles of: <ul style="list-style-type: none"> • Avoidance of unnecessary resource consumption to reduce the quantity of waste being generated. • Recover resources for reuse on-site or off-site for the same or similar use, without reprocessing. • Recover resources through recycling and reprocessing so that waste can be processed into a similar non-waste product and reused. • Disposal of residual waste. 	Construction	Compliant	CDS-JV	This is addressed in Sections 5 and 6 of the Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008; approved 15/07/16) and Section 5.6, Element 6 of the Sustainability Plan (M5N-ES-PLN-PWD-0020).
Resource use and waste minimisation	WM09	Residual waste would be disposed of to a suitably licensed landfill or waste management facility where there are no other feasible and reasonable options for waste avoidance, reuse or recycling. Waste materials requiring removal from the site would be classified, handled and stored in accordance with the Waste Classification Guidelines: Part 1 Classifying Waste (EPA, 2014a) until collection by a contractor for disposal.	Pre-construction Construction	Compliant	CDS-JV	This is addressed in Section 6 of the Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008; approved 15/07/16).
Resource use and waste minimisation	WM10	Off-site reuse of waste would comply with relevant NSW Environment Protection Authority resource recovery exemptions and requirements.	Construction	Compliant	CDS-JV	This is addressed in Section 6 of the Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008; approved 15/07/16).

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Resource use and waste minimisation	WM1 1	<p>Asbestos handling and management would be undertaken in accordance with the project’s Asbestos Management Plan and relevant legislation, policies and standards:</p> <ul style="list-style-type: none"> • Work Health and Safety Act 2011 • Code of Practice for the Safe Removal of Asbestos 2nd Edition (NOHSC, 2005a). • Code of Practice for the Management and Control of Asbestos in Workplaces (NOHSC, 2005b). • Protection of the Environment Operations (Waste) Regulation 2014 – Part 7 Transportation and management of asbestos waste. • Australian Standard AS2601:1991 Demolition of Structures. 	Pre-construction	Compliant	CDS-JV	<p>This is addressed by the project’s Manage Work with Asbestos Procedure (M5N-ES-PRC-PWD-0037), and Manage Contaminated Land Procedure (M5N-ES-PRC-PWD-0036-00). These procedures are referenced in the Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008; approved 15/07/16).</p> <p>Where required, asbestos continues to be removed in accordance with the approved process by a licenced removal contractor.</p>
Resource use and waste minimisation	WM1 2	<p>Measures would be implemented to manage stockpiles such as potentially locating stockpiles outside of overland flowpaths, riparian corridors and finished and contoured so as to minimise loss of material in flood or rainfall events. Stockpiles left exposed and undisturbed for longer than 28 days would be stabilised by compaction then either sprayed with suitable tackifier, covered with anchored fabrics, or seeded with sterile grass.</p>	Construction	Compliant	CDS-JV	<p>Refer to Section 7.1, controls P1 and P4, of the Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005; approved 15/07/16). These controls are inspected</p>

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						regularly during weekly environmental inspections, ER inspections (fortnightly) and inspections by the project Soil Conservationist.
Resource use and waste minimisation	WM13	A <u>Spoil Management Strategy</u> would be developed prior to the commencement of construction and implemented during construction. The strategy would identify spoil disposal sites and describe the management of spoil on-site and during off-site transport.	Pre-construction	Compliant	CDS-JV	The Spoil Management Plan (M5N-PM-PLN-PWD-0002) was conditionally approved on 23/11/2016. Revision 7 of the Plan was submitted to DP&E on 12/01/2017 to address DP&E requirements. Disposal sites identified are being used. Additional disposal sites are assessed and approved in accordance with the requirements of the plan and sites identified to receive a significant volume of spoil will be included in regular updates to the Plan.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Resource use and waste minimisation	WM1 4	Where possible and fit for purpose, spoil would be beneficially reused within the project before off-site reuse or disposal options are pursued.	Construction	Compliant	CDS-JV	Refer to Section 5.3 of the Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008; approved 15/07/16). This requirement is also addressed in the project's Spoil Management Plan (M5N-PM-PLN-PWD-0002). Ongoing communication of the Spoil Program between sites is occurring to ensure any potential reuse opportunities are explored prior to disposal off site.
Resource use and waste minimisation	WM1 5	Before being transported from construction sites, excavated spoil would be classified in accordance with the <i>Waste Classification Guidelines: Part 1 Classifying Waste</i> (EPA, 2014a) to ensure appropriate reuse or disposal.	Construction	Compliant	CDS-JV	All spoil and waste is classified by an independent consultant in accordance with the Construction Waste and Resource Sub-plan (M5N-ES-PLN-PWD-0008) prior to removal offsite. No spoil is taken off-site

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						until classification reports are submitted to the spoil team. The Spoil Management Tracking system ensures spoil classification reports is recorded and reported.
Resource use and waste minimisation	WM16	Feasible and reasonable opportunities for wastewater reuse on-site or for construction purposes would be pursued (such as dust suppression both in the tunnels and for surface works).	Pre-construction Construction	Compliant	CDS-JV	This is addressed in the Water Reuse Strategy (M5N-ES-PLN-PWD-0035), approved 3/11/2016. Treated water from the construction water treatment plant is being reused for dust suppression and compaction purposes at the Arncliffe Construction Compound and will be reused at other sites once systems are in place.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Resource use and waste minimisation	WM1 7	Wastewater not used on-site would be discharged into the local stormwater system in accordance with the requirements of an environment protection licence issued for the project.	Construction	Compliant	CDS-JV	This is addressed in the Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005; approved 15/07/16). All water discharge from site requires a Permit to Dewater (M5N-ES-PER-PWD-0001) to ensure EPL requirements are met.
Resource use and waste minimisation	WM1 8	An Unexpected Finds Protocol would be implemented in the event of encountering previously unidentified area(s) or types of contaminated material. Where this happens, all relevant work would cease in the vicinity of the discovery in accordance with a unsuitable spoil management contingency procedure which would be included as part of the Spoil Management Strategy for the project. Relevant works would not recommence until the need for and scope of remedial action(s), if required, is identified in accordance with the requirements of the Contaminated Land Management Act 1997.	Construction	Compliant	CDS-JV	This requirement is addressed in the project's Manage Contaminated Land Procedure (M5N-ES-PRC-PWD-0036), which is referenced in the Construction Waste and Resource Sub-Plan (M5N-ES-PLN-PWD-0008; approved 15/07/16). This is also addressed in the Spoil Management Plan (M5N-CN-PLN-PWD-0002).

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Resource use and waste minimisation	OPW M01	Wastes would be managed and disposed of in accordance with relevant State legislation and government policies including the POEO Act, Waste Avoidance and Resource Recovery Act 2001, Waste Avoidance and Resource Recovery Strategy 2014-2021 (EPA, 2014b), and the sustainable procurement objective of the WestConnex sustainability strategy (WestConnex Delivery Authority, 2015).	Operation	Not yet triggered	CDS-JV	This requirement relates to the operational phase and will be reported on in the pre-operation compliance report.
Resource use and waste minimisation	OPW M02	Opportunities for reuse of wastewater would be considered in preference to discharge to the local stormwater system.	Operation	Not yet triggered	CDS-JV	This requirement relates to the operational phase and will be reported on in the pre-operation compliance report.
Resource use and waste minimisation	OPW M03	In order to reduce demand on local water supplies, options would be investigated for providing water required for operation of the deluge system from wastewater produced through the tunnel drainage system where it meets appropriate quality parameters.	Operation	Not yet triggered	CDS-JV	This requirement relates to the operational phase and will be reported on in the pre-operation compliance report.
Climate change and risk adaptation	CC01	The risk associated with future climate change on the project would be further considered during detailed design.	Pre-construction	Compliant	CDS-JV	This is addressed in the Sustainability Plan (M5N-ES-PLN-PWD-0020), Section 2.2 – Stage 2: Integrating Sustainability into Design, Construction, Procurement and Other Processes

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Climate change and risk adaptation	CC02	Implement adaptation measures to address high and extreme rated risks identified in the subsequent detailed climate change risk assessment.	Pre-construction	Compliant	CDS-JV	This is addressed in the Sustainability Plan (M5N-ES-PLN-PWD-0020), Element 14 – Urban Design and Landscape
Climate change and risk adaptation	CC03	Where extreme, high or medium risks have been identified in this assessment or subsequent climate change risk assessments, a review of the existing design policies, specifications or practices would be undertaken to consider the impacts of climate change.	Pre-construction	Compliant	CDS-JV	This is addressed in the Sustainability Plan (M5N-ES-PLN-PWD-0020), Element 14 – Urban Design and Landscape
Hazard and risks	HR01	Site-specific hazard and risk management measures would be included within the CEMP, which may include items such as: <ul style="list-style-type: none"> • Details of the hazards and risk associated with construction activities for both surface and subsurface works • Procedures to comply with legislative and industry standard requirements • Contingency plans, as required. 	Pre-construction Construction	Compliant	CDS-JV	Refer to Section 4 and Appendix D of the Construction Environmental Management Plan (CEMP; M5N-ES-PLN-PWD-0001; approved 4/08/2016). This is also addressed throughout the sub-plans of the CEMP (Part C).

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Hazard and risks	HR02	Storage of dangerous goods and hazardous materials would occur in accordance with suppliers' instructions and relevant Australian Standards and may include bulk storage tanks, chemical storage cabinets / containers or impervious bunds.	Construction	Compliant	CDS-JV	Refer to Section 7.1, controls C1 and C3, of the Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005; approved 15/07/16). These controls are inspected regularly during weekly environmental inspections and fortnightly by the ER.
Hazard and risks	HR03	Storage, handling and use of dangerous goods and hazardous substances would be in accordance with the <i>Work Health and Safety Act 2011</i> and the <i>Storage and Handling of Dangerous Goods Code of Practice</i> (WorkCover NSW, 2005).	Construction	Compliant	CDS-JV	Refer to Section 7.1, controls C1, C3 and C14 of the Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005; approved 15/07/16).
Hazard and risks	HR04	Secure, bunded areas would be provided around storage areas for oils, fuels and other hazardous liquids.	Construction	Compliant	CDS-JV	Refer to Section 7.1, control C3 of the Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005; approved 15/07/16). These controls are inspected regularly during weekly

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						environmental inspections and by the ER during fortnightly inspections.
Hazard and risks	HR05	Bunds would be provided around activities such as vehicle refuelling, servicing, maintenance or wash- down, where there is a potential for spills and contamination.	Construction	Compliant	CDS-JV	Refer to Section 7.1, control C12 of the Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005; approved 15/07/16). These controls are inspected regularly during weekly environmental inspections and fortnightly by the ER.
Hazard and risks	HR06	Material Safety Data Sheets would be obtained for dangerous goods and hazardous substances stored onsite prior to their arrival.	Construction	Compliant	CDS-JV	Refer to Section 7.1, control C13, of the Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005; approved 15/07/16).

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Hazard and risks	HR07	Transport of dangerous goods and hazardous substances would be conducted 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, 2008).	Construction	Compliant	CDS-JV	Refer to Section 7.1, control C15, of the Construction Soil and Water Quality Sub-Plan (CSWQSP, M5N-ES-PLN-PWD-0005; approved 15/07/16).
Hazard and risks	HR08	The project would be constructed in line with Civil Aviation Safety Authority requirements, to the satisfaction of the Secretary of the Commonwealth Department of Infrastructure and Regional Development.	Pre-construction Construction	Compliant	CDS-JV	This requirement is addressed in Element 3 Legal and other Requirements, of the Construction Environmental Management Plan (M5N-ES-PLN-PWD-0001; approved 4/08/2016).
Hazard and risks	HR09	The project would be constructed in accordance with the requirements of the Civil Aviation Safety Authority and the <i>Sydney Airport Master Plan 2033</i> , with respect to lighting used during construction.	Pre-construction Construction	Compliant	CDS-JV	This requirement is addressed in Element 3 Legal and other Requirements, of the Construction Environmental Management Plan (M5N-ES-PLN-PWD-0001; submitted to DPE 30/5/16) and is being addressed through the relevant Construction Area Plans. Consultation has occurred with Sydney Airport during the

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
						construction phase to ensure Sydney Airport and CASA requirements are met.
Hazard and risks	OpHR 01	The fire and safety systems and measures adopted for the project would be equivalent to or exceed the fire safety measures recommended by NFPA502 (American), PIARC (European), AS4825 (Australian) and Roads and Maritime standards.	Design Operation	Compliant	CDS-JV WCX M5 AT	These requirements are incorporated in the Fire Protection Designs M5N-AJV-DPK-800-700-FR
Hazard and risks	OpHR 02	Storage of dangerous goods and hazardous materials would occur in accordance with supplier's instructions and relevant Australian standards and may include bulk storage tanks, chemical storage cabinets / containers or impervious bunds.	Operation	Not yet triggered	CDS-JV WCX M5 AT	This requirement relates to the operational phase and will be reported on during the pre-operation compliance report.
Hazard and risks	OpHR 03	Storage, handling and use of dangerous goods and hazardous substances would be in accordance with the <i>Work Health and Safety Act 2011</i> and the <i>Storage and Handling of Dangerous Goods Code of Practice</i> (WorkCover NSW, 2005).	Operation	Not yet triggered	CDS-JV WCX M5 AT	This requirement relates to the operational phase and will be reported on during the pre-operation compliance report.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Hazard and risks	OpHR 04	Secure, bunded areas would be provided around storage areas for oils, fuels and other hazardous liquids. Impervious bunds would be of sufficient capacity to contain at least 110 per cent of the volume of the largest stored container.	Operation	Not yet triggered	CDS-JV WCX M5 AT	This requirement relates to the operational phase and will be reported on during the pre-operation compliance report.
Hazard and risks	OpHR 05	Bunds would be provided around activities such as vehicle refuelling, servicing, maintenance or wash-down, where there is a potential for spills and contamination.	Operation	Not yet triggered	CDS-JV WCX M5 AT	This requirement relates to the operational phase and will be reported on during the pre-operation compliance report.
Hazard and risks	OpHR 06	Material Safety Data Sheets would be obtained for dangerous goods and hazardous substances stored onsite prior to their arrival.	Operation	Not yet triggered	CDS-JV WCX M5 AT	This requirement relates to the operational phase and will be reported on during the pre-operation compliance report.
Hazard and risks	OpHR 07	The transport of dangerous goods and hazardous substances would be prohibited through the main alignment tunnels and on and off-ramp tunnels.	Operation	Not yet triggered	CDS-JV WCX M5 AT	This requirement relates to the operational phase and will be reported on during the pre-operation compliance report.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Hazard and risks	OpHR 08	An Incident Response Plan would be developed and implemented in the event of an accident or incident.	Operation	Not yet triggered	CDS-JV WCX M5 AT	This requirement relates to the operational phase and will be reported on during the pre-operation compliance report.
Hazard and risks	OpHR 09	The response to incidents within the motorway would 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.	Operation	Not yet triggered	CDS-JV WCX M5 AT	This requirement relates to the operational phase and will be reported on during the pre-operation compliance report.
Hazard and risks	OpHR 10	The detailed design of the project substations would ensure that the exposure limits for the general public suggested by the Draft Radiation Standard (Australian Radiation Protection and Nuclear Safety Agency, 2006) would not be exceeded at the boundary of the substation sites.	Design Operation	Not yet triggered	CDS-JV WCX M5 AT	This requirement will be addressed in the Electrical HV - HV Power & Distribution System Design
Hazard and risks	OpHR 11	The project would be operated in line with Civil Aviation Safety Authority requirements, to the satisfaction of the Secretary of the Commonwealth Department of Infrastructure and Regional Development.	Operation	Not yet triggered	CDS-JV WCX M5 AT	This requirement relates to the operational phase and will be reported on during the pre-operation compliance report.

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Aspect	Ref	Requirement	Timing	Compliance status	Responsibility	Comment / evidence QCCR 13
Hazard and risks	OpHR 12	Aviation hazard lighting, building lighting and surface road lighting would be designed and operated in accordance with the requirements of the Civil Aviation Safety Authority and the <i>Sydney Airport Master Plan 2033</i> .	Design Operation	Compliant	CDS-JV WCX M5 AT	This requirement is being addressed in the Road and Shared Path Lighting designs.
Cumulative impacts	CI01	Consultation would be undertaken with local communities potentially affected by the impacts of multiple projects in addition to the project.	Pre-construction Construction	Compliant	CDS-JV	Contact has been established with the Sydney Metro project which has recently established a dive site adjacent to this project. Collaboration with Sydney Metro has facilitated a streamlining to resident enquiries.
Cumulative impacts	CI02	Where relevant, consultation would be undertaken with proponents of other nearby developments to increase the overall awareness of project timeframes and impacts.	Pre-construction Construction	Compliant	CDS-JV	Refer Section 7 of the Community Communications Strategy (M5N-CS-PLN-PWD-0008). Ongoing interaction with developers particularly in the Mascot area.



Appendix C: Complaints Register

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2397	Civil East Works	26/08/2019	9:00 AM	St Peters	Princes Highway	Property access	Complainant has had access temporarily blocked to their work premises and wants signage to be placed so customers will know how to access.	CDS JV contacted the resident and offered to place VMS signage to aid customer access. Offer of VMS declined by business owner. Corflute signage installed 22/08/19. More corflute signage to be installed.	< 1 Business Day
CC2398	Arncliffe	26/08/2019	10:29 AM	Arncliffe	Flora Street	Lights	Could you please re direct your night work lights at the Arncliffe WCX site away from our homes... The light shines in our bedrooms and makes it difficult to sleep... I have asked multiple times in the past but have had little to no response. Thanks	Hi XXX, We have reviewed the light tower locations and have redirected/lowered the lighting towers we suspect are the cause of your complaint. Let me know if there are any further issue with the lights.	< 1 Business Day
CC2399	Civil East Works	27/08/2019	7:46 PM	Alexandria	Euston Road	Night work	Complainant advised that he was kept up all night because of nightworks resulting in him having to take time off work, He has received a letter to say the works will be taking place again next Thursday evening and he is not in a position to be able to take further time off work. Wants to know what support he can get.	CDSJV advised the stakeholder of the EPL requirements for working out of hours and providing respite. The stakeholder did not meet requirements for respite.	< 1 Business Day
CC2400	Arncliffe	29/08/2019	7:25 PM	Arncliffe	Flora Street	Noise	Crane is turned off but the Wind alarm is going off.	Hi XXX, Please be advised that the crane is currently operating at night-time and hence the alarm is activated. It is a safety mechanism not just for the Operator, but for all within the surroundings, that an alarm is available for notifying of high winds. In the event the tower crane has a load in mid-air and a wind gust picks up, the alarm sounds in which the operator will react accordingly with the live load, but also it alerts all employees within the working vicinity to vacate the surroundings. We are currently working with the Crane Contractors to investigate an appropriate solution to this issue without jeopardising our safety indicators. In the meantime, we will discuss with the crews to endeavour to react and monitor the wind gusts more frequently in order to minimise the alarm sounding. Thanks	< 1 Business Day

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CC2401	Kingsgrove Surface Works	29/08/2019	2:43 PM	Beverley Hills	Kirrang Street	Noise	Caller has received a letter in the mail regarding proposed night works for project and advises the noise from last time was very loud and is wanting to know what will be put in place to reduce noise this time.	CDSJV contacted complainant and advised that OOH works to be undertaken are West of King Georges Road and as such the works should be all but inaudible. Complainant thanked CDSJV for the info.	> 1 Business Day
CC2402	Civil East Works	29/08/2019	3:34 PM	St. Peters	May Street	Worker behaviour	On Tuesday night I arrive home around 1030 pm and found like 6 workers leaning on my fence and talking, I said to them as one of them was on my gate to get in that I hope you don't stand around and talk all night. They didn't care, didn't move and kept their conversations going, it was about 40 minutes later that their supervisor told them to move away. What are my rights as a resident.	Hi XXX, I am sorry to hear that you have experienced bad behaviour by workers associated with the Project. We realise our work is being undertaken in a residential area and expect all workers, including subcontractors, to be respectful of the area and its residents. I have addressed the issue with the site superintendent, who will remind workers to be considerate of local residents.	< 1 Business Day
CC2403	ARNCLIFFE	30/08/2019	8:54 AM	Arncliffe	Flora Street	Noise	It's windy! The cranes aren't operating! Please turn off that annoying alarm! Thanks	Hi XXX, Please be advised that the crane is currently operating at night-time and hence the alarm is activated. It is a safety mechanism not just for the Operator, but for all within the surroundings, that an alarm is available for notifying of high winds. In the event the tower crane has a load in mid-air and a wind gust picks up, the alarm sounds in which the operator will react accordingly with the live load, but also it alerts all employees within the working vicinity to vacate the surroundings. We are currently working with the Crane Contractors to investigate an appropriate solution to this issue without jeopardising our safety indicators. In the meantime, we will discuss with the crews to endeavour to react and monitor the wind gusts more frequently in order to minimise the alarm sounding. Thanks	< 1 Business Day
CC2404	Civil East Works	2/09/2019	9:26 AM	St Peters	Campbell Street	Noise	Hi XXX, I work from home and I'm not sure how I'm supposed to work through the noise today/this week as they perform side walk repairs. (Video Attached) The noise is very bad but the vibrations mean I can't just put on headphones and ignore it. At this stage, I'll head to a cafe, but there are only so many cups of coffee I can drink.	Hi XXX I'm sorry you were struggling with the noise and vibration yesterday. As you will have seen, the site team have completed demolition of the existing footpath directly outside your property and are currently working outside no. 19 Campbell Street as they move towards Barwon Park Road. We are hoping to complete footpath demolition work to Barwon Park Road early next week, hopefully the noise and vibration will lessen as the site team moves further	< 1 Business Day

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							Also, the parking situation in the neighbourhood seems to be getting worse and although there is supposed to be designated parking for site workers, anyone who is around at the end of the day can see workers in havis walking from the site to vehicles parked on Barwon Park Road.	<p>away from your property and closer to Barwon Park Road. Once the existing footpath has been demolished, we will commence work to construct the new permanent footpath. Construction of the new permanent footpath will be less noisy and should not cause any vibration.</p> <p>With regards to parking, we have a New M5 Project car park on Campbell Road and encourage our workers to park there. The impact of workers parking in local streets, especially in residential areas, is continuously reiterated to staff at pre start work meetings. However, there are no fines we can impose on workers associated with the New M5 Project, or one of the other local projects, if they park their private vehicle legally on a local street such as Barwon Park Road. I will ask the supervisors to continue to raise parking in local roads in pre start work meetings to remind our workers to be mindful where they park, and to park in the New M5 Project car park on Campbell Road where possible.</p> <p>Best regards</p>	
CC2405	Kingsgrove Surface Works	2/09/2019	12:45 PM	Wattle Grove	Bedervale Court	Vehicle damage	Issue/Complaint: Call re: incident happened on the 14 July on the New M5 motor way resulting in the windscreen cracked. Caller provided reference #MPL-47500978. Caller would like to follow up what is happening as advised his wife was awaiting a return call. Caller advised the windscreen still cracked and getting worse when having to drive vehicle.	CDS JV spoke to XXXX. He advised he is still waiting to hear back for the claim he has put for the cracked windscreen. XXXCDSJV advised that as per previous correspondence this claim is with the transport information centre and to follow up with them as this is not related to the project.	< 1 Business Day
CC2406	Arncliffe	2/09/2019	2:27 PM	Arncliffe	Flora Street	Noise	Please turn the alarm off. The crane isn't operating. There is no crane driver in the chair !	This complaint is being taken as a statement as CDSJV have responded to the complainant on the same issue on numerous occasions recently	< 1 Business Day
CC2407	Civil East Works	2/09/2019	7:32 PM	St Peters	Brown Street	Drainage	Hi XXX Could you please arrange for the drains to be cleared after the rain? And the concrete debris around the lamp poles?	<p>Hi XXX</p> <p>Apologies for the late response. I have raised the issue of the debris and litter blocking the drains with our site supervisor who will arrange for the drains to be cleaned.</p> <p>We have planned night work on Unwins Bridge Road on Friday 13 September from 6pm to 8am. This work was notified for in Notification No. 759, please see attached for your reference. Alternative accommodation is only offered for work occurring on two or more consecutive nights. As this night work is non-consecutive, no alternative accommodation has been offered.</p>	> 1 Business Day

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								<p>We are currently scheduling two consecutive weekends of work in October for which you will be eligible for respite, we will notify you once this work has been scheduled.</p> <p>The footpath on Campbell Street between Brown Street and Unwins Bridge Road will open once Brown Street is reopened at Campbell Street. This is currently scheduled for the end of October, however we will provide a notification closer to the date. I understand the footpath closure is inconvenient, however please continue to use the pedestrian crossing on Campbell Street or Conway Place to safely cross the road until the footpath can be reopened.</p> <p>Kind regards</p>	
CC2408	Kingsgrove Surface Works	4/09/2019	12:23 AM	Beverley Hills	Coolangatta Road	Noise	Complaint regarding non compliment equipment, tonal beepers being used on trucks.	CDSJV emailed site staff who advised issue to be raised at pre-start for upcoming works and all vehicles being used will be inspected. Any plant & equipment brought to site with tonal beepers will be moved	< 1 Business Day
CC2409	Civil East Works	3/09/2019	5:04 PM	St Peters	Campbell Street	Footpath	Pedestrian walkway has trip hazards in associated with badly restored utility trenches, south of Campbell St and on the east side of Unwins Bridge Road.	CDS JV - CDSJV called back and advised that brick paving will commence in the coming weeks however we will look towards a temporary solution for the footpath	< 1 Business Day
CC2410	Arncliffe	3/09/2019	10:36 PM	Arncliffe	Flora Street	Lights	<p>How many times do you have to be told to turn your work lights away from our homes at the Arncliffe WCX site during the night? Why do you treat us locals so badly !</p> <p>Also, whatever happened to standard construction hours ? Give us some peace !!!</p>	<p>Hi XXX,</p> <p>Just a note to advise that the crane driver has been instructed to turn off the crane when the wind levels approach levels which would automatically trigger the crane alarm. This was put into place last night and hopefully should solve the issue going forward.</p> <p>With regards to the light spill issue – night shift staff will assess light spillage into Flora Street each night when mobile lighting towers are being set up. If the towers are shining into the residential area then they will be moved.</p> <p>Thanks</p>	> 1 Business Day
CC2411	Civil East Works	4/09/2019	12:44 PM	St Peters	Lackey Street	Traffic changes	Received letter re traffic changes for this weekend, requested more information	CDS JV spoke with stakeholder, who requested that Hutchinson Street stays closed at the Campbell Street intersection until a right turn can be facilitated from Unwins Bridge Road to Campbell Street. CDSJV explained that the Hutchinson Street road closure is temporarily in place to reconstruct the road pavement and will reopen on Saturday 6 September. Until a right turn can be facilitated from Unwins to Campbell, CDSJV	< 1 Business Day

Quarterly Construction Compliance
Report: No. 13

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
								suggested that stakeholder uses Silver Street and Florence Street, or the roundabout on Bedwin Road.	
CC2412	Kingsgrove Surface Works	4/09/2019	1:07 PM	Beverley Hills	Cooloongatta Road	Property damage	Issue/Complaint: 4 years to re-compensate for house issue, Caller is very agitated, and would not give any details.	CDS JV - CDSJV called stakeholder who advised he is waiting for his compensation for property damage from 4 years ago. damage was by King Georges rd upgrades CDSJV advised that this is not part of the new M5 project and will need to be escalated to SMC. Caller refused to send through anything and got verbally abusive. CDSJV hung up.	< 1 Business Day
CC2413	Kingsgrove Surface Works	5/09/2019	3:45 PM	Beverley Hills	Elouera St North	Tolling Gantry	Issue/Complaint: re a large structure being built (steel) on the M5 near property	CDS JV - CDSJV spoke to resident - there was no complaint - resident just wanted to know what the steel structure was near her home. CDSJV explained it was a tolling gantry. Resident thanked CDSJV.	< 1 Business Day
CC2414	Civil East Works	4/09/2019	4:45 PM	Mascot	Gardeners Road	Lack of signage	Complaint from a business re: customers not being able to find the business due to lack of signage.	CDSJV advised stakeholder of the four signs currently erected and personalised map sent to the stakeholder earlier to send to delivery drivers. Stakeholder to advise on further required signage if necessary.	> 1 Business Day
CC2415	Civil East Works	4/09/2019	11:40 PM	Mascot	Gardeners Road	Noise	Issue/Complaint: Caller advised that there is too much noise coming from the site	<p>Hi XXX</p> <p>Thank you for getting in touch.</p> <p>I'm sorry your sleep has been disrupted by the night work.</p> <p>It is the Project's preference to carry out road work during day time work hours to minimise disruption to nearby residents at night. Unfortunately on Gardeners Road there are no available traffic approvals that would allow for the required road closures to be put in place during day time hours due to the traffic congestion it would create.</p> <p>The Project has an Environmental Protection Licence (EPL) that it works under and must adhere to. The licence permits the Project to work 10 nights per month to impact the same residential properties. I realise that this is disruptive to residents, however, we cannot close Gardeners Road and work here during the day.</p> <p>The Project is scheduled to work the permitted 10 nights per</p>	> 1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
								<p>month to complete the work continuing through the remainder of 2019.</p> <p>I'm sorry that I do not have better news in relation to the scheduling of this work, the scheduling of the work is in keeping with our Project approvals and EPL.</p> <p>Kind regards</p>	
CC2416	Arncliffe	4/09/2019	10:15 PM	Arncliffe	Flora Street	Lights	<p>Issue/Complaint: Requesting to complain about work lights. The blinding lights are shining into his house, has happened on multiple occasions disturbing the residents.</p>	<p>Hi XXX,</p> <p>Just a note to advise that the crane driver has been instructed to turn off the crane when the wind levels approach levels which would automatically trigger the crane alarm. This was put into place last night and hopefully should solve the issue going forward.</p> <p>With regards to the light spill issue – night shift staff will assess light spillage into Flora Street each night when mobile lighting towers are being set up. If the towers are shining into the residential area then they will be moved.</p> <p>Thanks</p>	> 1 Business Day
CC2417	Civil East Works	5/09/2019	1:09 PM	Mascot	Gardeners Road	Noise	<p>Hi WestConnex New M5 Project Team,</p> <p>I'm writing this email to complaint the night work noise happened this few days.</p> <p>My husband and I living in the building called AVANTRA which is located on Gardeners Rd. We find it difficult to sleep with such noise, even the balcony door has been fully closed!</p> <p>We are full time employees and this caused our sleep deprivation. We feel exhausted every time when we wake up, also find hard to concentrated during work. I'm afraid of this will link to stress and health issues like hypertension if continues happened like that...</p> <p>I'm sorry to inform you that this is annoying and troubling us, pleas kindly do something about it and take this matter seriously, your assist will be much appreciated!</p> <p>Kind Regards,</p>	<p>Resident provided with details of the Projects EPL and allowable night work schedule.</p>	< 1 Business Day

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CC2418	Civil East Works	5/09/2019	1:09 PM	Mascot	Gardeners Road	Noise	<p>For who it may concern,</p> <p>This is XXX who lives in 659 Gardeners Road Mascot. My apartment especially my bedroom is facing Gardeners Road. Understand WestConnex conducts night work on Gardeners Road which is also right happen under where my bedroom is. I am writing to complaint that even close the window, it still very very noisy that affects both me and my wife sleep. We would also request alternative accommodation like what you used to do if you have to conducting construction work at night and not being able to control the noise level.</p> <p>I have no idea how this was approved by authority but this is absolutely unfair for the people lives in the area and is definitely an obstruction of sleep.</p> <p>Best Regards,</p>	Resident provided with details of the Projects EPL and allowable night work schedule.	< 1 Business Day
CC2419	Civil East Works	5/09/2019	1:32 PM	Alexandria	Campbell Road	Dust	Complaint received re: dust levels in the general area and dust getting into the complainants house. Complainant wants to know if he can get a token to have his car washed every few weeks.	CDSJV apologised for the works and expressed understanding of frustrations but noted Project was not offering vehicle cleaning.	< 1 Business Day
CC2420	Civil East Works	5/09/2019	4:24 PM	Mascot	Gardeners Road	Noise	<p>Hi,</p> <p>This is XXX. My wife, XXX & I live in unit XXX (north building) of "Avantra", i.e. 659-669 Gardeners Road, Mascot.</p> <p>The recent night works on Gardeners Road has made it impossible for us to sleep properly in our bedroom, which faces Gardeners Road.</p> <p>Why cannot the works be done during non-sleeping hours?</p> <p>We need noise cancellation headphones to alleviate the noise.</p> <p>Could you please let us know how we can obtain such headphones from WestConnex? Thanks.</p> <p>Cheers</p>	Resident provided with details of the Projects EPL and allowable night work schedule.	< 1 Business Day

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CC2421	Civil East Works	5/09/2019	8:04 PM	Alexandria	Euston Road	Night work	Issue/Complaint: Caller advised received notice of works to be done directly outside of her property, advised there is no works being done. Inquiring on confirmation if this will go ahead tonight as caller requires to know if she can stay home and cancel alternate accommodation.	CDSJV advised stakeholder that work was scheduled to go ahead between the hours of 8am and 5pm, as notified for in community notification N.753. Note: Stakeholder has been granted permanent relocation by RMS. Stakeholder has not moved to this new location.	< 1 Business Day
CC2422	Civil East Works	5/09/2019	10:37 PM	Mascot	Gardeners Road	Noise	To whom it may concern, I am a resident of the Avantra building on 659 Gardeners Road, Mascot. The road work project that have been conducted directly next to our building have caused stress and inconvenience to me and my family. With regularly sealed roads, rude traffic controllers who don't give clear detour instructions and simply told me to "find a way" and also the loud noises that carry through the night that affect our sleep. Which affects our ability to work at a high level the following day. My neighbours sent me this email and said this was the channel to raise my concerns. If someone could reply via email that would be greatly appreciated. Regards	Resident provided with details of the Projects EPL and allowable night work schedule.	< 1 Business Day
CC2423	Civil East Works	5/09/2019	11:05 PM	Mascot	Muller Street	Traffic / Noise	Dear M5, The Bourke Rd / Bourke St / Gardeners Rd intersection is quite frankly a train-wreck. Every day residents are frustrated by this intersection. Meanwhile, there are multiple usable lanes blocked off from traffic being haphazardly being used as random storage for pipework, as opposed to serving any public benefit. Progress is glacial. Information is not flowing to residents sufficiently given the size of the impact. I'm horrified that the design expanded Bourke St lanes up really tight against new residential developments (West side of street), while they could have expanded in the direction of the data-centre (East side of street). I don't think the data centre computers care about traffic	Hi XXX Thank you for contacting the New M5 team. We understand that local residents are frustrated with ongoing work and traffic congestion on Gardeners Road, in particular around the Bourke Street/Road intersection. As part of the New M5 Project, extensive work has taken place to install new underground utility conduits and relocate existing service out of the widened roadway. The majority of this work has been taking place at night under road closures, 10 night work shifts per month are permitted under the Project's Environmental Protection Licence (EPL). The pedestrian access at the intersection of Gardeners Road and Bourke Street/Road in final design will include push button signalised crossing at each of the four sides of the intersection.	> 1 Business Day

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							<p>noise in the middle of the night, do you ? (Note: I'm not personally affected by that 'design' decision, it's just a shame for the community).</p> <p>When I enquired what the plan for the Bourke Rd / Bourke St / Gardeners Rd intersection was, I received a coarse top-down technical drawing of what lanes/turning bays will exist at that intersection. This traffic driven view doesn't address what 1000's of local residents and visitors who walk across that intersection daily actually want to know... what will the pedestrian facilities be to cross this already busy road ?</p>	<p>The crossings are all single-phase crossings (i.e. – pedestrians won't need to wait in the middle if they commence crossing on green). The requirement to tie-in with the existing road configuration at the Bourke Street / Church Street intersection and the extent of our project boundary has determined the road alignment through this area. The 3m footpath outside the residential developments will be separated from traffic by an on-road cycleway.</p> <p>Please let me know if you would like to be added to the email distribution list for weekly email update about upcoming New M5 work and traffic changes in your area.</p> <p>Kind regards</p>	
CC2424	Civil East Works	3/09/2019	12:54 PM	St Peters	Crown Street	Damage / graffitti on wall	<p>Hello,</p> <p>I am writing on behalf of XXX (the owners of XX Crown Street and XX Crown Street, St Peters).</p> <p>As you would be aware, over the past 12 months, works have been carried out directly adjacent to our properties on Campbell street and as such there has been significant disturbance to the footpath adjoining our boundary wall. Over the past 3 months I have been growing increasingly frustrated with the total lack of consideration your contractors have for our buildings. On any given day there is ATF fencing leaning up against the building along with tools, metal poles, picks and shovels (see attached photos). As a result of this, there has been significant damage caused to the entire rendered wall from Princess Highway up to Crown street. Furthermore, the fact that your contractors have allowed for the Graffiti to be left in situ for over 6 months is disgraceful – why hasn't Council's graffiti removalist contractors been allowed on site to remove it?</p> <p>We are small business owners and as you can appreciate, the image of the building reflects directly upon our businesses and therefore our livelihood. The state in which your contractors leave the job site and our building every day is disgraceful. As a minimum, the graffiti should be removed and the walls rectified to an acceptable state. Whilst I can appreciate that infrastructure works are required in close proximity to our</p>	<p>Hi Paul</p> <p>Thank you for your email.</p> <p>I understand your frustration and am sorry that fencing and other equipment was left leaning against your wall. We realise our work is being undertaken in close proximity to your buildings and expect all workers, including subcontractors, to be respectful of the properties. This issue has been addressed with our construction teams.</p> <p>As part of finishing work to take place at the end of the Project, we look at pre-condition surveys that were undertaken at the start of the Project to determine any damages caused during construction. Any damage caused by us will be rectified prior to Project completion in early 2020.</p> <p>I have raised your concern regarding the walls at 63 and 85 Crown Street with the site superintend and have made a note on our database to inspect the building walls upon completion of road pavement construction work on Campbell Street. If it can be determined that the paint was chipped during construction, we will of course carry out rectification work.</p> <p>We have not received any requests from Council to access our site to remove the graffiti and were unaware of this issue. We are happy to facilitate access for the graffiti to be removed, if you could please provide us with a few days' notice we can make sure someone is available to assist the graffiti removalist contractors inside the fenced construction work area.</p> <p>Thanks Paul –</p> <p>Best regards CDSJV</p>	< 1 Business Day

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							<p>property, your contractors should be respecting the private assets affected and the businesses that operate within them.</p> <p>Could you please advise how this will be addressed?</p> <p>I would be more than happy to come out and discuss this with you on site if you wish.</p> <p>Regards,</p>		
CC2425	Civil East Works	6/09/2019	8:07 AM	Mascot	Gardeners Road	Noise	<p>Hi,</p> <p>I am a resident living on 659 Gardeners Rd, Mascot NSW 2020. I am living in a apartment unit with a open balcony facing the Gardeners Road. The new M5 road construction has caused TOO MUCH noise, specially at night. I know its not consecutive working night, but you still work 3 or 4 nights a week. I have a job start at early in the morning, this noise makes me cant sleep at night and causes me headaches in the mornings. Please do something! You can't just use the 'not consecutive' as excuse!</p> <p>Regards, Haoyu Xu</p>	<p>Hi XXX,</p> <p>I understand that it is noisy while we are working directly outside your home on Gardeners Road.</p> <p>Under the Project's Environmental Protection Licence (EPL) and project approvals, alternative accommodation or headphones may be offered during consecutive nights of high noise night work to impact the same residents. The EPL has not changed since the beginning of the Project, alternative accommodation has not been offered during non-consecutive nights of night work with respite/quiet nights between high noise night work shifts.</p> <p>I will submit your request for noise cancelling earphones and advise you of the outcome when I have confirmation, hopefully by COB Friday 13 September.</p>	> 1 Business Day
CC2426	Civil East Works	6/09/2019	3:00 PM	St Peters	Crown Street	Graffiti on fencing	<p>Thank you XXX,</p> <p>Firstly, thank you for getting back to me this week.</p> <p>I note that the dilapidation report I received never made mention to the façade on Campbell Street so I question how in fact you plan to address the damage when the initial report was silent on the façades condition. I'm assuming there must have been an additional dilap report that was undertaken by the contractors so if you have a copy of this, could you please provide it to me.</p> <p>I just drove past the building and there is still ATF fencing leaning up against the façade and I have taken some photos as a record.</p> <p>Please note that I have logged the graffiti to</p>	<p>Hi XXX</p> <p>I will speak with our Property Team to see if there is a second dilapidation report. If the dilapidation report doesn't include the façade, we may be able to use 2017 images from Google Maps as a reference point (screenshots attached).</p> <p>Please let me know if you have a contact number for the relevant people at Council for the graffiti removal so that we can coordinate access.</p> <p>Best regards</p>	> 1 Business Day

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							<p>Inner West Council and they will be coming out on site next week to have it removed. I look forward to receiving the original dilp report from you.</p> <p>Kind regards,</p>		
CC2427	Civil East Works	6/09/2019	7:07 PM	Mascot	Gardeners Road	Noise	<p>Hi</p> <p>I am the tenant of the Avantra, N415/669 Gardeners Road, Mascot, NSW 2020.</p> <p>The night work noise drives me crazy during the night.</p> <p>Is there anything you can do to make less impact to us? I heard from the neighbor that you guys can provide the sound proof earphone?</p> <p>When the night work can stop?</p> <p>It is quite urgent and important to us , please responds asap.</p> <p>Thanks</p>	<p>Hi XXX</p> <p>Thank you for getting in touch.</p> <p>I'm sorry your sleep has been disrupted by the night work.</p> <p>It is the Project's preference to carry out road work during day time work hours to minimise disruption to nearby residents at night.</p> <p>Unfortunately on Gardeners Road there are no available traffic approvals that would allow for the required road closures to be put in place during day time hours due to the traffic congestion it would create.</p> <p>The Project has an Environmental Protection Licence (EPL) that it works under and must adhere to. The licence permits the Project to work 10 nights per month to impact the same residential properties.</p> <p>I realise that this is disruptive to residents, however, we cannot close Gardeners Road and work here during the day.</p> <p>The Project is scheduled to work the permitted 10 nights per month to complete the work continuing through the remainder of 2019.</p> <p>I can submit your request for noise cancelling earphone, please let me know what model you are requesting, over ear or inner ear?</p> <p>As the high noise work is taking place on non-consecutive nights, there is no requirement under the Project Licence to offer headphones or other forms of respite.</p> <p>I will investigate if an exception to the Licence can be made based on your circumstances and close proximity of your property to the work area.</p> <p>Kind regards</p>	< 1 Business Day

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Report: No. 13

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CC2428	Civil East Works	6/09/2019	10:54 PM	St. Peters	May Street	Noise	Issue/Complaint: Complaint regarding excessive noise, jackhammering and other pneumatic equipment. Caller requesting transfer.	CDS CDSJV - spoke to thais and explained that jackhammering and road saw cutting to be complete by midnight and work will be in place in the same location next week.	< 1 Business Day
CC2429	Civil East Works	7/09/2019	7:03 AM	St. Peters	Brown Street	Noise	Complainant and family was kept awake all night due to night works.		< 1 Business Day
CC2430	Civil East Works	7/09/2019	9:43 AM	St. Peters	May Street	Damage to property footings	Issue/Complaint: during the night constructions damage was done to callers property footings have been impacted and the house has been gouged by machinery and was given no notice that the drainage structure was to be built impacted on her home	CDS JV agreed to meet with stakeholder on site on 10/09 at 2pm to explain upcoming work outside property. Stakeholder was very rude to CDSJV and XXX (utility engineer) and demanded Mastic between the building foundation and the proposed ITS footings. Jacob attempted to explain the scope of work, including the installation of Mastic, but stakeholder laughed and said 'why should I believe what he's saying?'. Stakeholder was swearing and sent Jacob away, wanted to speak to CDSJV alone about documentation and drawings. CDSJV advised she will provide further information via email and documentation/drawings if possible. Following the meeting, stakeholder sent several texts to CDSJV asking for my last name to quote me to SMH. CDSJV did not respond to texts and sent a follow up email in the afternoon.	< 1 Business Day
CC2431	Civil East Works	7/09/2019	1:54 PM	St. Peters	May Street	Nightwork / noise	Complainant emailed wanting to know the after hours phone number so he could "comment" on the works.	CDSJV called back (no answer) and sent a follow up email.	< 1 Business Day
CC2432	Civil East Works	7/09/2019	3:53 PM	Mascot	Gardeners Road	Nightwork	Issue/Complaint: Caller wanting to discuss works due to occur tomorrow according to an email received	CDSJV spoke to stakeholder to confirm that all units at 566 Gardeners Road would be connected to a generator to ensure that they were not without power during the Ausgrid cut over from 8 Sept to 12 Sept.	< 1 Business Day
CC2433	Civil East Works	9/09/2019	10:56 PM	St Peters	May Street	Noise	Issue/Complaint: Caller complaining about the noise happening on Friday (Has been reported to the EPA)	CDSJV advise that noise monitoring was in place, we have recorded the complaint, respite not offered as only 1 night and within project approvals. advised same work scheduled on next week. Joel rang back and explained that noise was very loud and could not have been within the limit of works. CDSJV advised was all monitored and whilst it was loud it was not out of the work limit.	< 1 Business Day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2434	Civil East Works	9/09/2019	11:49 AM	St Peters	Lackey Street	Traffic Changes	Issue/Complaint: Calling re new traffic configuration.	CDSJV spoek to stakeholder. Mary advised she was told to go through silver street and florence st to get to Hutchinson st. she advised no left turn onto campbell from florence. CDSJV clarified to go down silver to princes hwy then left onto campbell.	< 1 Business Day
CC2435	Arncliffe	9/09/2019	2:32 PM	Arncliffe	Flora Street	Crane Sound	Issue/Complaint: Re: High wind alarm on cranes sounding constantly when windy	Hi XXX, Just a note to advise that the crane driver has been instructed to turn off the crane when the wind levels approach levels which would automatically trigger the crane alarm. This was put into place last night and hopefully should solve the issue going forward. With regards to the light spill issue – night shift staff will assess light spillage into Flora Street each night when mobile lighting towers are being set up. If the towers are shining into the residential area then they will be moved. Thanks	> 1 Business Day
CC2436	Civil East Works	9/09/2019	3:02 PM	St Peters	Unwins Bridge Road	Worker behaviour	Male worker using female toilet on stakeholder property and rude when approached.	Workers (subcontractor) was directed by site supervisor not to return to the site	< 1 Business Day
CC2437	Civil East Works	9/09/2019	3:10 PM	St Peters	May Street	Noise	Resident complaint relating to noise and vibration from work area Fri 6 Sept 8pm to 12am directly outside property as per notification N761. Resident requested that footpath area be swept and cigarette butts be picked up around work area.	Noisy work stopped at 12am and resident could sleep. Resident was advised that noise blankets are in placed to help mitigate noise from work area. Message passed to site team re cleaning of the area following work. CDSJV inspected the area at 5pm 10/09/19 and found no concrete debris or cigarette butts adjacent to work area or on footpath.	< 1 Business Day
CC2438	Civil East Works	9/09/2019	10:56 PM	Mascot	Gardeners Road	Noise	Resident upset about noise from nightworks and wanting headphones	Hi XXXX Thank you for your response. As the high noise work is taking place on non-consecutive nights, there is no requirement under the Project Licence to offer headphones or other forms of respite. I will investigate if an exception to the Licence can be made based on your circumstances and close proximity of your property to the work area. Please let me know what earphones you are requesting and how many people reside at your property (proof of address will be required).	< 1 Business Day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
								Kind regards	
CC2439	Civil East Works	9/09/2019	11:30 PM	Mascot	Gardeners Road	Noise	Resident upset about noise from nightworks	CDSJV responded that works are complaint with requirements and as we are non consecutive nights AA is not triggered but will investigate if an exception can be made and headphones can be provided.	> 1 Business Day
CC2440	Civil East Works	10/09/2019	5:58 PM	St Peters	Brown Street	Trucks	Complainant woken by garbage truck at 5am and by construction noise the previous week. Resident wants headphones.	Apologies XXX, the missed collection on Friday 6 September was not due to heavy rain. Council's garbage collection truck didn't turn up, we are unsure why this was the case.	> 1 Business Day
CC2441	Civil East Works	10/09/2019	7:46 AM	Alexandria	Euston Road	Truck blocking driveway	Issue/Complaint: URGENT DUE TO TRUCKS ARRIVING - Caller works for Opera Australia where road widening is occurring. A Van is parked outside business, with program.com.au on side, doing Road Widening construction work. Can it be moved, as trucks need to access business and will be arriving shortly	CDSJV - spoke to operator and advised will call supervisor on site to see if its one of our subcontractors and ask to have the van moved. CDSJV called Stakeholder and advised not one of our contractors. Stakeholder advised contacted company name as stated on the vehicle and got in contact with the owner.	< 1 Business Day
CC2442	Civil East Works	10/09/2019	9:27 AM	Mascot	Gardeners Road	Noise	Issue/Complaint: Noise Complaint. Caller advised using sound proofing house however the construction noise is very loud. Caller advised cannot sleep.	CDSJV explained that work is undertaken at night due to traffic approvals. CDSJV offered to call site supervisor to get more information about when the high noise work is expected to be completed by, stakeholder did not want a call back that evening but asked for a call back at 11am. CDSJV called night supervisor who advised that high noise work activities will be completed by 12am.	< 1 Business Day
CC2443	Civil East Works	10/09/2019	10:59 AM	Alexandria	Bourke Raod	Vehicle damage	Car damage from flying cement	Hi XXX Thank you for your email. Please find attached the property damage claim form. I have spoken to the site team and have asked for further protective measures to be taken. Do you know when this damage is likely to have taken place? The team have instigated more aggressive protective measures following the first incident on 28/8/2019 (email attached), so any	< 1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
								details you have of this new damage will help us to fill any gaps that may exist.	
CC2444	Civil East Works	10/09/2019	7:32 AM	Mascot	Gardeners Road	Noise	<p>Hello,</p> <p>The noise from the construction is getting worse during the night. Last night there were very loud pile driving sounds, trucks, etc, that woke me up at multiple times.</p> <p>Westconnex used to pay for hotel rooms (or headsets) when the construction noise was too bad but that doesn't seem to happen anymore.</p> <p>Is there a plan to address this issue?</p> <p>Thanks</p>	<p>Hi XXX</p> <p>We understand that you and your neighbours have been woken by the night work on Gardeners Road. While we aim to carry out the required work during the day, sometimes night work is necessary because we cannot close the traffic lanes during the day due to the traffic congestion it would create.</p> <p>In relation to alternative accommodation/hotel rooms and noise cancelling headphone offers, these respite provisions are applicable under the Project licence in instances where the high noise night work takes place on consecutive nights with no respite/quiet nights in between.</p> <p>The scheduling of the work is in keeping with our Project approvals. The Project licence permits 10 nights of work per month to impact the same residential properties. The current work schedule shows that 10 night work shifts per month on Gardeners Road will continue to be required for the remainder of the year.</p> <p>If any noise mitigation measures can be offered, we will contact you directly.</p> <p>Kind regards CDSJV</p>	< 1 Business Day
CC2445	Civil East Works	10/09/2019	9:28 AM	St Peters	Silver Street	Worker behaviour / parking	Resident complained about traffic control staff having a loud conversation at 6:30am on Saturday and Westconnex workers parking on Silver Street	<p>Hi XXX</p> <p>I am sorry to hear that your sleep was disturbed on both occasions.</p> <p>I have addressed the issue of the traffic control ute's stopped on Silver Street with our traffic team, they will remind traffic control personnel to be considerate of local residents.</p> <p>We will also remind the workers on site to be mindful where they park and be respectful of the area and its residents.</p> <p>Best regards CDSJV</p>	> 1 Business Day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2446	Civil East Works	10/09/2019	6:17 PM	St Peters	Church Street	Gas connection	Issue/Complaint: Caller advised has come home to no gas at property has spoken to a west connex contractor who advised would look into no gas issue - caller advised has had no gas for last 1 hour- currently works occurring at Cnr Church street and Campbell st St Peters	CDS JV called stakeholder who advised that he manually turned the gas back on, believes New M5 workers turned it off in connection with work on Church Street.	< 1 Business Day
CC2447	Civil East Works	11/10/2019	12:26 PM	St Peters	Brown Street	Road maintenance	Material on Road	CDSJV advised resident that material will be cleaned up today	< 1 Business Day
CC2448	Civil East Works	11/09/2019	7:12 PM	Mascot	Gardeners Road	Access	Complaint received regarding crane partially blocking access to a commercial depot and general complaint about a lack of communication	CDSJV called XXX and explained that the crane was parked in this area to wait to pick up generators in other sites on Gardeners Road. However, the crane should not have been parked in this location and the team will ensure this does not happen again.	< 1 Business Day
CC2449	Civil East Works	12/09/2019	3:23 PM	Mascot	Gardeners Road	Noise	Complaint about nightworks noise and a request for noise cancelling headphones	Easphones not offered to residents for non consecutive nights of work.	> 1 Business Day
CC2450	Civil East Works	12/09/2019	3:29 PM	St Peters	May Street	Noise / Scope of work	Hi XXX, I have emailed EPA already. I received your notification but I believe if you changed your scope of works, for example, plant and equipment like jackhammer and saw cutting, then this should trigger another one week notification period. Please send documentation stating otherwise. Also, please send through a summary of the noise monitoring results as well as the mitigation procedure applied last week and that will be applied this week throughout the works. Regards,	Hi XXX Thanks for following up, to confirm <ul style="list-style-type: none"> The notification for work on May Street on 6 September and 13 September was delivered on 2 September, notification No. 761. Night work on 13 August was renotified for on 9 September when two additional pieces of equipment were added, notification No. 764. When safe to do so, we always endeavour to install noise blankets around the whole work area. Due to extreme winds on Friday 6 September, noise blankets were installed as shown in the photo provided. While additional noise blankets would have been preferred, they were deemed a safety concern as fencing could blow onto the road into live traffic in such heavy winds. <ul style="list-style-type: none"> Noise monitoring results or reports are not publicly available. Best regards	> 1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2451	Civil East Works	12/09/2019	7:53 PM	St Peters	Hutchinson Street	Detour signage	Issue/Complaint: Caller advised that there is inadequate one way detour signage displayed in Hutchinson street which presents a safety issue-caller disconnected and did not want to speak to staff and lodge complaint	Caller did not want to speak to staff and lodge complaint	< 1 Business Day
CC2452	Civil East Works	12/09/2019	10:24 PM	Alexandria	Euston Road	Noise	Again noisy work at 10.20 pm Thursday 12/09 and night work tomorrow this is disgusting at Euston Rd . I'm lodging complaint epa.	CDSJV advised stakeholder that the noise was for an oversized delivery, which took place from 10:05pm to 10:20pm.	> 1 Business Day
CC2453	Civil East Works	10/09/2019	8:07 AM	Mascot	Gardeners Road	Noise	Hi XXX, I understand it is your right to conduct work like this, but you need at least care about the community when you are doing it. In the past few weeks, the night construction noise is too excessive to stand. Last night, I can't really sleep until 5am when you finish the work. You used to offer noise-cancelling earphone as a alternative for alternative accommodation. Are you still able to provide it? This noise is really frustrating and I am the owner so I can't really change a place to live. Kind regards	Hi XXX, I understand that it is noisy while we are working directly outside your home on Gardeners Road. Under the Project's Environmental Protection Licence (EPL) and project approvals, alternative accommodation or headphones may be offered during consecutive nights of high noise night work to impact the same residents. The EPL has not changed since the beginning of the Project, alternative accommodation has not been offered during non-consecutive nights of night work with respite/quiet nights between high noise night work shifts. I will submit your request for noise cancelling earphones and advise you of the outcome when I have confirmation, hopefully by COB Friday 13 September. Kind regards	< 1 Business Day
CC2454	Civil East Works	13/09/2019	8:10 AM	St Peters	Church Street	Noise	Good morning, I'm a resident at XX Church Street St. Peter's. I'm emailing about work scheduled to reconstruct a footpath and driveway in front of our property next week. I just received the letter in the mail this morning about the updated dates, and didn't receive the earlier letter - I'm not sure whether it was lost. I live with two other roommates in the property, and the construction on the other side of the road has been quite disruptive over the last week. Two of us work full time weeknight shifts,	Hi XXX I am sorry to hear that your sleep was disturbed by footpath construction work on Church Street this week. The new permanent footpath on the eastern side of Church Street is being poured tomorrow and as you know, on Monday 16 September we will commence footpath construction on the western side for one week. We are hoping to hammer out the majority of the existing footpath on the western side of Church Street on Monday. Once the existing footpath has been removed, we can start construction of the new permanent footpath. Demolition of the existing footpath, scheduled to take place on Monday, will be the noisiest work activity next week and is	< 1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
							<p>and usually arrive home at about 4am, and having the footpath drilled up early in the morning has made it impossible to sleep. Accessing our street with a car has been extremely difficult, and workers inside the front porch of our property have made it difficult to move in and out during the day.</p> <p>I understand that it's necessary long term, but I would like to see if there are other arrangements that can be made for next week because as you can understand we're all pretty exhausted. If there is alternate accommodation available we would like to request to be put up during this period next week.</p> <p>Please let me know if this is possible. We are happy to compromise with area as we know it's short notice before the commencement date.</p> <p>Thank you</p>	<p>expected to generate high noise.</p> <p>Alternative accommodation is offered in instances where high noise night work is scheduled to impact your property on two or more consecutive nights. As the work on Church Street is undertaken during standard construction hours, Monday to Friday from 7am to 6pm and Saturday from 8am to 1pm, alternative accommodation is not offered in this instance.</p> <p>If you would like me to drop off some earplugs for you and your roommates to try, I am more than happy to do so.</p> <p>Best regards</p>	
CC2455	Civil East Works	13/09/2019	9:46 AM	St Peters	Unwins Bridge Road	Bins	Residnt requesting for rubbish bins to be repositioned after night works have been undertaken	CDSJV advised that bins have since been repositioned	< 1 Business Day
CC2456	Civil East Works	13/09/2019	10:13 AM	St Peters	Hutchinson Street	Signage	Complaint regarding failure to properly reinstate one-way signage in Hutchinson St	<p>Signage at the intersection of Hutchinson Street and Campbell Street (Photo 1) The one-way sign has been installed as per final New M5 Project design where access to Hutchinson Street will be facilitated via a left turn from Campbell Street only.</p> <p>Signage at the intersection of Hutchinson Street and Applebee Street (Photo 2: No Entry sign – Google Maps Oct 2017) There is a No Entry sign on the western corner of Hutchinson Street and Applebee Street in its original location. The private developer on the eastern corner of Hutchinson Street and Applebee Street is building the new footpath where the second No Entry sign used to be. Once the new footpath in this location has been completed, we will re-install a No Entry sign on this corner. In the interim, while the whole eastern corner is fenced off by private construction work, we will investigate possibility of installing a temporary No Entry sign of the developer's fencing.</p>	< 1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
								<p>Signage on Daburi Lane (Photo 3)</p> <p>The Project has not changed the direction of traffic or signage on Daburi Lane. From our inspection we note that there are currently 2 x No Entry signs and 2 x one-way arrows pointing westbound (towards May Street) in place on Daburi Lane at the May Street intersection along with one-way signage on Daburi Lane between Hutchinson Street and May Street. If motorists disobey the traffic signage and incorrectly enter Daburi Lane from May Street, this is a Police traffic infringement and is not managed by the Project.</p> <p>I hope this helps to clarify Tim, please let me know if you require any further information.</p> <p>Best regards</p>	
CC2457	Civil East Works	13/09/2019	4:10 PM	St Peters	Princes Highway	Noise	Resident upset re; noise from nightworks	Offer of alternative accomodation provided.	>1 Business Day
CC2458	Civil East Works	13/09/2019	4:55 PM	St Peters	May Street	Noise	Resident forwarding on complaint they made to EPA regarding night-time noise and asking it to be loggd as a complaint	Taken as comment. CDSJV responded to stakeholder's initial email sent on 12 September (CC2450)	
CC2459	Civil East Works	13/09/2019	10:43 PM	St Peters	Brown Street	Noise	<p>To whom it may concern,</p> <p>How is this even acceptable on a Friday night? We work hard all week in exhausting roles and jobs in the community and then we have to deal with this noise on a Friday night. It is honestly a form of torture. We are being driven mad by this project. I am losing my shit. My mental health is about to be completely broken. I feel like I need to escape this nightmare of the last 4 years. You people are Driving me crazy.</p>	<p>Hi XXX</p> <p>I can see that the three consecutive Fridays is affecting your family.</p> <p>On this occasion we have obtained approval to offer you relocation for Friday night.</p> <p>If you wish to be relocated, please let me your preferred location and the number of bedrooms required and I will arrange the booking.</p> <p>At this stage, the work will go ahead on Friday, however please bear in mind that due to the wet weather it is possible that the work will need to be rescheduled and your booking amended. I will let know closer to the work date.</p> <p>Kind regards</p>	>1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2460	Civil East Works	13/09/2019	10:43 PM	St Peters	Brown Street	Noise	<p>Thanks for your email and yes it is affecting my family greatly. I am under the impression that if we decide to take headphones for Friday that we will no longer be offered alternative accomodation?</p> <p>As a family we find that alternative accomodation for a Friday to Monday gives us complete respite from the situation we have found our lives to be now consumed with. It is not worth the effort to relocate my family for one evening due to Saturday Sport during the school term. We are up and out of our home by 5am so it is not practical to relocate for just one evening.</p> <p>Is it possible to get 3 headphones for the rest of my family for Friday night and then take up alternative accomodation for the full weekends in October as respite for the family.</p>	<p>Hi XXX</p> <p>The offer for relocation in this instance is strictly for Friday night only. We are unable to relocate you for a full weekend where there is only work on Friday night.</p> <p>As you are aware there will be upcoming night work over two weekends in October. I am happy to accommodate your request and provide you with 3 headphones ahead of the weekend work and in time for the work on Friday night.</p> <p>However if you wish to accept the headphones, we can only provide you with alternative accommodation on one out of two weekends in October.</p> <p>If you would like to take up the option of headphones for one weekend and accommodation for the other weekend in October, we are happy to drop off three additional headphones to you this week so you have them in time for the night work on Friday 20 September and for one out of the two of the work weekends in October.</p> <p>Best regards</p>	>1 Business Day
CC2461	Civil East Works	16/09/2019	11:22 PM	St Peters	Unwins Bridge Road	Noise	<p>Good morning Info Team,</p> <p>The Department received two complaints as a result of the OOHW works last Friday night in St Peters (13th). The complaints both relate to the level of noise and notification of the works.</p> <p>Can the project provide the notification that relates to these works and confirm when they were letter box dropped in the community.</p> <p>Can the project also provide details on the nature, extent and duration of the works. Can the project also advise how many complaints were received directly as a result of these works and if any monitoring was undertaken.</p> <p>Kind regards,</p>	<p>Hi XXX and thanks for clarifying.</p> <p>Night work on Unwins Bridge Road was notified for in Notification No 759, letterbox dropped to local residents on Monday 2 September (attached).</p> <p>The work involved the installation of new drainage pipes under the existing road surface and was undertaken at night outside of peak volume times when a stop/slow traffic set up could be implemented around the work area.</p> <p>All high noise work activities, such as jackhammering and road saw cutting, were completed by 12am and noise blankets were in place around the work area.</p> <p>Our environmental team carried out noise monitoring and have confirmed that noise levels were compliant.</p> <p>The Project received one complaint via email from a Brown Street resident relating to this work at 10:43pm on Friday 13 September, the Department was CC'd in the email.</p> <p>Night work is scheduled to take place in the same location on Unwins Bridge Road on Friday 20 September, I have attached Notification No.768 that was letterbox dropped on Friday 12 September. The work on Friday night is expected to generate high noise in connection with remaining drainage installation work and excavation of the existing footpath in preparation for brick paving in this location. Similar to last week's work, we aim</p>	<1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
								to complete high noise work activities by 12am. Thanks Tim, please let me know if you need anything further. Best regards	
CC2462	Civil East Works	16/09/2019	11:25 PM	St Peters	Brown Street	Garbage truck	<p>To Whom it may concern,</p> <p>This truck is in Brown Street at 5am this morning. It is an Inner West garbage truck picking up the rubbish that was meant to be picked up last Friday.</p> <p>This truck woke my family.</p> <p>We are constantly being kept awake by disruptions such as this. My family were kept awake by construction noise last Friday night. We have only been given 2 sets of headphones for my family of 5.</p> <p>Every night there is some form of noise disruption in our street by cars that think they can access Campbell street from Brown. My house is at the end of Brown so we have to contend with cats and trucks attempting to do reverse out or turn around.</p> <p>Westconnex have no idea how bad it is and the torturous effect no sleep has on families. We have been living this construction nightmare for 2 years and have been unfairly treated by Westconnex. Other residents have been offered alternative accomodation on nights of noise works and we haven't as happened last Friday. Some households have been given headphones for children of their partners who don't even reside in the house. I have a household of 5 people and my children who live here permanently and live this construction disaster every day don't get head phones. We have been offered alternative accomodation in the coming weeks which we will still take but that doesn't even compensate for the nightly noise we have to endure in our homes. There has not been equitable treatment to residents for the provision of resources to help residents access the ability to sleep in their own homes. Residents need to be treated with equity and fairness and be able to sleep in their own home.</p>	<p>Apologies XXX, the missed collection on Friday 6 September was not due to heavy rain.</p> <p>Council's garbage collection truck didn't turn up, we are unsure why this was the case.</p> <p>Best regards</p>	<1 Business Day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2463	Civil East Works	16/09/2019	11:55 AM	St Peters	Campbell Street	Damage to wall	<p>Good morning XXX, Following up the damage to our building. Pictures and report sent to your phone last week. Any update to repair it, or do I contact my insurance company. We had a fence fall on my vehicle weeks back. I had to put that through my insurance because no one followed up the damage. I was promised it would be repaired but no body made any effort to do so. Await your reply</p> <p>Thanks</p>	<p>Hi XXX,</p> <p>I have spoken with the site superintendent regarding the damage to your wall. As part of finishing work to take place at the end of the Project, we look at pre-condition surveys that were undertaken at the start of the Project to determine any damages caused during construction. Any damage caused by us will be rectified prior to Project completion in early 2020. I have raised your concern regarding the wall at 63 Campbell Street with the site superintendent and have made a note on our database to inspect the building walls upon completion of all road pavement construction work on Campbell Street. If it can be determined that the paint was chipped during construction, we will of course carry out rectification work.</p> <p>On another note, work to reconstruct your driveway is scheduled to take place from 6pm Friday 20 September to 6pm Friday 21 September (weather permitting). Our site engineer Daniel, who you met previously, would like to meet with you on Thursday at 1:30pm to mark up the section of driveway that will be reconstructed this weekend. I am not here on Thursday but my colleague CDSJV will attend also. Please let me know if 1:30pm on Thursday is suitable for you.</p> <p>Thanks XXX</p> <p>Best regards CDSJV</p>	<1 Business Day
CC2464	Civil East Works	16/09/2019	2:08 PM	St Peters	Sydney Park Road	Noise / vibration	Issue/Complaint: Noise complaint regarding vibration and underground noise felt and heard by caller	XXX advised to contact M4 M5 Tunnelling team - call made to M4-M5 Team who advised this is not a noise from their project as the tunnelling is 1 klm from callers property.	<1 Business Day
CC2465	Civil East Works	16/09/2019	2:42 PM	Mascot	Gardeners Road	Noise / reques for headphones	<p>Hi</p> <p>Any update for the headphones?</p> <p>Thanks</p>	<p>Hi XXX</p> <p>I do not have any confirmation on the supply of headphones for you during night work on Gardeners Road.</p> <p>Please note, tonight's work has been postponed due to the forecast wet weather conditions, no work will take place tonight.</p> <p>I will let you know when I have further information on your request to be supplied with noise cancelling headphones.</p> <p>Kind regards</p>	<1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2466	Civil East Works	16/09/2019	3:10 PM	St Peters	Crown Street	Damage to wall	<p>Good afternoon.</p> <p>As you are aware Friday afternoon the footpath adjacent to the workshop was concreted.(Campbell St)</p> <p>We have plenty of concrete 'splash' up the wall, also one of the 'smarter' workers cleaned his concrete covered shovel on My other wall (Crown) St.</p> <p>It is very comforting to note that all my taxes, land taxes, fees, charges, council rates & others are going to pay such inconsiderate people.</p> <p>Not to mention the inconvenience of it all.</p> <p>I would like some undertaking on your behalf that my building will be painted at the completion of this project. However I know that everyone Will disappear into the sunset & never be seen again.</p> <p>Paint has also been water blasted off when attempting to clean the mud created by the vacuum truck.</p> <p>I am still waiting to be reimbursed for garbage collection fees when the truck was unable to enter the street, however I think I know how that will end up.</p> <p>Regards</p>	<p>Hi XXX</p> <p>I am very sorry about the concrete on the wall and understand that you are frustrated.</p> <p>As recently discussed with Paul Apostoles, we have raised the concerns regarding the walls with the site superintendent and have made a note on our database to inspect the building walls upon completion of road pavement construction work on Campbell Street. If it can be determined that damage was caused during construction, we will of course carry out rectification work.</p> <p>Best regards</p>	>1 Business Day
CC2467	Civil East Works	17/09/2019	11:34 AM	St Peters	Victoria Street	Parking	<p>Hi,</p> <p>As a local resident who uses Sydney Park, I'm disheartened to see that Westconnex workers are taking up all the parking that is for the community.</p> <p>It's quite apparent today, it's raining and the park is empty of visitors- but again the entire carpark is FULL! AGAIN!!!</p> <p>It's utterly frustrating. Please remind them again not to use community parking spaces when they</p>	<p>Hi XXX</p> <p>I understand that parking is frustrating.</p> <p>We will remind the workers on site to be mindful where they park and be respectful of the area and local residents. However if the vehicle is legally parked there are no fines the project can impose.</p> <p>Best regards</p>	<1 Business Day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
							are working on Westconnex. Thanks		
CC2468	Civil East Works	17/09/2019	8:13 PM	St Peters	Brown Street	Noise / vibration	Issue/Complaint: Caller advised workers have placed a large generator with 9 inch line to pump out a flooded out stormwater attention basin. Caller advised the generator and pump are creating a lot of noise and vibration which is disturbing residents. Caller advised workers have not erected noise barriers	Hi XXX I hope you are well. I left you a voicemail this morning regarding the noise from the pump at approx. 8pm yesterday. Due to the high level of water in Camdenville Basin and the likelihood that the overflow would result in flooding of the intersection and Town & Country property, the pump was used reduce the flow into the Basin. This work was not planned work and took place due to the imminent damage that inaction could result in. I'm sorry that your family was disturbed. We'll endeavour to send an email update to nearby residents should a repeat of this pump out be required during this wet weather spell. Please let me know if you need further information. Kind regards	<1 Business Day
CC2469	Civil East Works	17/09/2019	11:26 PM	Mascot	Gardeners Road	Noise	Hi there, I just wanna send a noise complaint from the work that has been taken place right outside my apartment on 659 gardeners road, it has been really disturbing esp with the loud drilling sound that i wanst able to sleep even if Im trying to, I have to woke up early for most days due to my work. Pls find the video attached below, this was recorded on 9th of September, you can see how loud it sounds even when all the doors are closed. Let me know if you guys still do the noise cancelling headphones? Maybe that will help if there s nothing else you can do.	complaint - noise - closed Resident advised that works are EPL compliant and no respite offered	<1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2470	Civil East Works	18/09/2019	6:48 AM	St Peters	Brown Street	noise/ headphones req	Dear XXX, We will take the offer of headphones please for this Friday and the accomodation for one week in October. It is cheaper for the project to supply 3 headphones than a 3 bedroom hotel room for the Friday to Monday on the other weekend in October so it is probably more feasible to do that. The noise was loud last night as well with the pump system at the end of Brown Street churning and emitting a level of unacceptable noise. My children wore the 2 headphones last night to block that noise out as they go to bed at 7.30. Kind regards	Hi XXX No problem, I can drop off the 3 headphones to you today if someone will be home? Would you like the inner ear or the outer ear? The pump was used last night to reduce the high level of water in Camdenville Basin and to prevent the overflow of water flooding at the intersection and the Town & Country property. This work was not planned work and took place due to the imminent damage that inaction could result in. I'm sorry that your family was disturbed from the noise of the pump. We'll endeavour to send an email update to nearby residents should a repeat of this pump out be required during this wet weather spell. Best regards	<1 Business Day
CC2471	Civil East Works	18/09/2019	9:12 AM	St Peters	Campbell Road	Tyre damage	Issue/Complaint: 17/09 15:10 was driving from Euston Rd onto Campbell Rd and towards the Princes Hwy, there is a large pool of water, to avoid this water he hit a concrete boulder on the road which was hidden underneath the water and blew a tyre. Has also sent an email as well.	CDSJV spoke to stakeholder and advised that a vehicle damage form could be sent. Stakeholder gave CDSJV his email address and the below email was sent with Vehicle Damage Claim Form attached.	>1 Business Day
CC2472	Civil East Works	18/09/2019	10:45 AM	St Peters	Princes Highway	Flooding	Would you please arrange someone today, to come and inspect the water that is seeping into our pump room. This has become a real problem, the extent of the water is now running down the corridor into the Staff room which is creating an OHS problem.	Hi XXX A blockage was cleared at the pipe on the Campbell Street side following our meeting today. This issue should now be resolved. We will provided further information relating to the issues on the Princes Highway side. Kind regards	<1 Business Day
CC2473	Civil East Works	20/09/2019	9:19 AM	St Peters	Euston Road	Soundproofing	Resident unhappy withy the standard of soundproofing work undertaken at her property	Hi XXX Thank you for your email. The Property team have advised me that they have now been in contact with the subcontractor. Austream should be in contact with you within the week. Please let me know if you do not receive a call and I will follow up again. Kind regards,	<1 Business Day
CC2474	Civil East Works	20/09/2019	12:29 PM	St Peters	Unwins Bridge Road	Parking	Resident wanted an additional buzzer key for a boom gate in order to allow access for parking a motor bike	CDSJV advised that the number of buzzer keys were limited but that she would pass an extra one on when available.	<1 Business Day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2475	Civil East Works	20/09/2019	10:24 PM	St Peters	Lackey Street	Noise	Issue/Complaint: Pneumatic jack hammers noise excessive, Caller did not want to be transferred.	Caller did not want to be transferred. High noise work completed by 12am.	<1 Business Day
CC2476	Civil East Works	20/09/2019	11:31 PM	St Peters	St Peters Street	Noise	Issue/Complaint: Caller advised that there is a lot of loud construction noise coming from the site including drilling, digging and truck noise	CDSJV accepted call. Night work noise complaint relating to jackhammering of business driveway on Campbell St as per notification N.768. CDSJV advised resident that jackhammering/noisy work to be finished by 12am and concrete pour would then take place. The work is being carried out at night so that the newly poured concrete will be dry and driveway operational by 8am Monday morning. Caller unhappy that work is taking place at night as a convenience to the business and disruption to residents.	<1 Business Day
CC2477	Civil East Works	22/09/2019	9:54 AM	Mascot	Gardeners Road	Construction progress	Resident frustrated by the perceived lack of progress along Gardeners Road as a result of night-works	CDSJV responded to the stakeholder with project information including a general scope of the work in Mascot. CDSJV also explained that utilities work was dependent on many factors which affect the duration of works.	<1 Business Day
CC2478	Civil East Works	23/09/2019	11:25 AM	St Peters	May Street	Exposed cables	Issue/Complaint: Caller reporting cables have been left protruding after work in the area, caller would like to know when workers will be back to complete job.	CDS JV advised that work to complete ITS installation is currently being scheduled, we expect the work will resume in the coming weeks and will require 3 additional night work shifts.	<1 Business Day
CC2479	Civil East Works	23/09/2019	9:59 AM	St Peters	St Peters Street	Fence removal	Hi XXX The offer wasn't rejected it was to be tied in with the fence arrangements, this was clear from our numerous discussions. Please have this escalated, I understand the fence was temporary but now I have no fence, no acoustic treatment and no interface plans. You would admit this is not the best possible outcome for me and the tenants at this stage. Can you please call me re this. Thanks So how are you dealing with the transition area where the fence cones down and whatever is to go back goes back, it is overgrown and messy.	Following on from your conversation with CDSJV this morning, please be advised that we have started to dismantle and remove the temporary construction noise wall on Campbell Street, between Princes Highway and Church Street, today. The section between Church Street and St Peters Street is scheduled to be dismantled and removed towards the end of this week/early next week.	>1 Business Day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2480	Civil East Works	23/09/2019	11:16 AM	St Peters	Brown Street	Noise	<p>Good morning Info Team,</p> <p>The Department has received a complaint from a community member and I believe the project was also CC'd.</p> <p>It was from XXXX on 18 September.</p> <p>Can the project please provide the Department with the response provided to the resident.</p> <p>Kind regards,</p>	<p>Hi XXX</p> <p>The offer for relocation in this instance is strictly for Friday night only. We are unable to relocate you for a full weekend where there is only work on Friday night.</p> <p>As you are aware there will be upcoming night work over two weekends in October. I am happy to accommodate your request and provide you with 3 headphones ahead of the weekend work and in time for the work on Friday night.</p> <p>However if you wish to accept the headphones, we can only provide you with alternative accommodation on one out of two weekends in October.</p> <p>If you would like to take up the option of headphones for one weekend and accommodation for the other weekend in October, we are happy to drop off three additional headphones to you this week so you have them in time for the night work on Friday 20 September and for one out of the two of the work weekends in October.</p> <p>Best regards</p>	<1 Business Day
CC2481	Civil East Works	23/09/2019	2:29 PM	Alexandria	Gardeners Road	Power outage	Issue/Complaint: Called to report there is a total power outage at the business due to the construction works.	CDSJV advised stakeholder that an electrician was onsite to resolve the outage.	<1 Business Day
CC2482	Kingsgrove Surface Works	24/09/2019	3:43 PM	Kingsgrove	Gareema Circuit	Speeding trucks	Issue/Complaint: Caller would like to make a complaint re B-Doubles speeding down the street in complete disregard for other drivers	CDSJV spoke with stakeholder who is concerned about the trucks speeding down Garema Circuit. Advised will raise with the supervisor.	<1 Business Day
CC2483	Civil East Works	24/09/2019	9:37 PM	St Peters	Brown Street	No standing sign	<p>Hi XXX</p> <p>Someone has knocked down the temporary no standing sign on the west side of Brown street. This makes your planned temporary turning circle obsolete.</p> <p>May I suggest you get the sign reinstated until Brown street open again.</p> <p>Regards</p>	Sign reinstated as requested	< 1 Business Day
CC2484	Civil East Works	24/09/2019	10:26 PM	St Peters	Barrow Road	Truck parking	Issue/Complaint: Calling regarding 13 trucks parked blocking access to business	CDSJV contact stakeholder to advise that the trucks are M4-M5 link related	<1 Business Day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2485	Civil East Works	25/09/2019	9:42 AM	Alexandria	Sydney Park Road	Near miss accident	Issue/Complaint: Near miss accident last night caller would like to report the incident re traffic signal arrangement and the barriers	Hi XXX, Thank you for letting us know. I've asked our traffic team to arrange to have the sign reinstalled. Kind regards	<1 Business Day
CC2486	Civil East Works	25/09/2019	9:44 AM	St Peters	Princes Highway	Property damage	Issue/Complaint: Night work occurred late last week - has left painted wall splattered with concrete	CDS JV - spoke to Stakeholder who advised that damage has been done to the wall outside his property after the footpath construction work that took place on friday night 20 sept 2019. Advised he will send through some photos of the damage. CDSJV advised resident that the wall will be cleaned.	<1 Business Day
CC2487	Civil East Works	25/09/2019	2:28 PM	St Peters	Brown Street	Pedestrian safety	Issue/Complaint: Was walking around the corner and due to no pedestrian safety precautions, nearly walked into a excavator.	CDS JV - spoke to stakeholder and advised will address safety concern with site team. Site supervisor confirmed he was on site at time of call and traffic control is in place to assist pedestrians through the work area.	<1 Business Day
CC2488	Civil East Works	25/09/2019	2:40 PM	St Peters	Campbell Street	Request for generator declined	Complainant requested the use of a generator during an upcoming power outage.	Hi XXXX The outage on Thursday 3 October from 7.30am to 1pm (5.5 hours) is to commission the new street lights on Campbell Street. The 5.5 hour time frame allows for contingency, we do not anticipate that the outage will be required for the full notification period of 5.5 hours. The power outages associated with the installation and connection, and subsequent removal, of supplied generators would be equivalent to the actual estimated duration of the planned outage. Please note it is not a requirement for Ausgrid or the Project to provide generator during scheduled power outages, unless power is required for life support equipment. A generator was provided during the last power outage, although this was not a requirement, due to the longer scheduled duration of that outage. Best regards	<1 Business Day
CC2489	Civil East Works	25/09/2019	4:23 PM	Mascot	Ricketty Street	Business impact	Hi XXXX, This is getting ridiculous now. These works were supposed to have been completed in July and now you are talking about November. We have noticed a substantial drop in our trade	CDS JV responded to XXX to explain that the delay in work completion was due to poor ground conditions. CDSJV noted that access was available through Ricketty Street.	>1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
							<p>sales business which we believe is due to the difficulty our customers are having accessing our premises.</p> <p>It is also difficult for staff coming from the East. Earlier this week there was an accident just out the front of the business park on Ricketty Street which can also be attributed</p> <p>to people having to make alternative and often dangerous choices due to your ongoing delays.</p> <p>Please let me know how we can seek compensation for the losses we are experiencing.</p> <p>Regards</p>		
CC2490	Arncliffe	25/09/2019	10:26 PM	Arncliffe	Flora Street	Lights	<p>You have been ok the last couple of weeks.... BUT now you have failed AGAIN.... PLEASE turn your light towers away from our homes while we try to sleep and PLEASE keep the noise down! There has been consistent loud banging during the night! It's very hard to sleep with this happening !</p>	<p>Hi XXX,</p> <p>I passed on your below complaint to the site teams who have adjusted the lighting towers accordingly such that they should not be shining towards your property.</p> <p>Thanks</p>	>1 Business Day
CC2491	Civil East Works	27/09/2019	10:19 AM	St Peters	Princes Highway	Road plates	<p>Issue/Complaint: Caller reporting road crossing going across Princes Hwy at Sydney Hardware also known Euro Abrasives have road plates on road that have become loose leaving a gap - road plates bouncing - advised massive danger to Cyclists</p>	Road plate fixed	>1 Business Day
CC2492	Arncliffe	27/09/2019	1:35 PM	Arncliffe	Flora Street	Parking / pollution	<p>Issue/Complaint: Parking spots are being taken by workers and caller is threatening social media interaction and speaking with his solicitor in regards to a rumour caller has been informed of regarding the pollution that is going to happen from these works</p>	<p>CDSJV called XXX who is concerned about the potential drop in house prices as a result of the works and therefore the loss of developer interest in purchasing his fathers property. He was also concerned about unfiltered stacks and said he was unaware. CDSJV talked him through the EIS process and gave him the link to the EIS.</p>	>1 Business Day
CC2493	Civil East Works	27/09/2019	11:22 PM	Mascot	Gardeners Road	Noise	<p>Hi</p> <p>At 11pm tonight, you start unstandable noisy construction again. And no feedback from my previous email. Please provide us with noise cancelling earphone.</p> <p>Kind regards</p>	<p>Hi XXX</p> <p>I have registered your noise complaint regarding the works on Friday night.</p> <p>The Road Occupancy Licence that the Project applies for allows Gardeners Road to be closed to traffic on Friday night between 10pm and 5am, we do not have approval to close the road before 10pm.</p> <p>The night work cannot start until the road is shut, this is why the</p>	<1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
								<p>work cannot be completed any earlier.</p> <p>Apologies for the delay in getting back to you on your request for the Project to provide you with noise cancelling headphones. Following a review of your request, it has been determined that your circumstances do not meet the criteria for respite under the Projects Environmental Protection Licence (EPL).</p> <p>Respite and/or alternative accommodation is required to be offered by the Project to residents living adjacent to the work area in instances where a high level of noise from the construction work area is expected to disturb residents on two or more consecutive nights. The current work schedule on Gardeners Road includes respite/quiet nights between night work shifts.</p> <p>The full EPL document on New M5 Project requirements can be found online here Environmental Protection Licence (EPL)</p> <p>Should you be eligible for alternative accommodation or other forms of respite in the future, we will contact you directly.</p> <p>Kind regards</p>	
CC2494	Arncliffe	28/09/2019	4:40 PM	Arncliffe	Flora Street	Crane sound	WCX Arncliffe site.. please switch off the crane alarm. The cranes aren't working and the alarms are sounding which is annoying!	<p>Dear Mr XXX</p> <p>Thank you for contacting the New M5 Project; your complaint has been noted and passed onto the site team.</p>	<1 Business Day
CC2495	Civil East Works	28/09/2019	5:38 PM	St Peters	Campbell Street	Road Plate	Street Address: Campbell Street Issue/Complaint: Caller wanting to complain re: roadplate placed on road for WestConnex works. Caller was unable to advise if this was related to the M5 or M4-M5 Mainline Link	CDS JV spoke to stakeholder and advised we will get someone to have a look at the road, however there is no one on site today.	<1 Business Day
CC2496	Civil East Works	1/10/2019	7:48 AM	St Peters	Unwins Bridge Road	Parking	Issue/Complaint: calling regarding issues with trucks parking in residence spaces	CDS JV called stakeholder back who advised that WestConnex trucks were parked on Unwins Bridge Road near Conway Place, forcing her to park in a No Stopping zone while dropping off two little kids. Stakeholder advised that her father in law (who lives on Unwins Bridge Road) has received a letter stating that WestConnex vehicles would not park on local roads. CDSJV advised she is not aware of such letter; as Unwins Bridge Road is a public road we cannot impose fines on workers that are parked legally. In saying that, CDSJV understands it is frustrating, especially with children, and will ask supervisor to remind workers to be mindful where they park.	<1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2497	Civil East Works	2/10/2019	10:39 AM	Mascot	Gardeners Road	Noise	Hi XXX, What is the answer to my request? The road works started again tonight. I cannot sleep. =(Hi XXX, Apologies for the delay in getting back to you. Following a review of your request, it has been determined that your circumstances do not meet the criteria for respite under the Projects Environmental Protection Licence (EPL). Respite and/or alternative accommodation is required to be offered by the Project to residents living adjacent to the work area in instances where a high level of noise from the construction work area is expected to disturb residents on two or more consecutive nights. The current work schedule on Gardeners Road includes respite/quiet nights between night work shifts. The full EPL document on New M5 Project requirements can be found online here Environmental Protection Licence (EPL) Should you be eligible for alternative accommodation or other forms of respite in the future, we will contact you directly. The map below, taken from work notification N779, outlines the work nights for the remainder of this month. Please note changes to the scheduled work nights.	<1 Business Day
CC2498	Civil East Works	2/10/2019	10:48 AM	Alexandria	Euston Road	Barrier blocking driveway	Issue/Complaint: complaint re concert barrier blocking driveway	Hi XXX Thank you for organising the meeting onsite today. We were able to meet with your husband to talk through the work on Euston Road. As requested during the meeting, please see the attached Urban Landscape Design Plan (UDLP) for Euston Road. The section I have attached is part of a larger document that can be founds here: https://www.westconnex.com.au/sites/default/files/WCXSTAG2-WCX-SMC-GEN-000759-M5N_UDLP%5BG%5D_Final%20Issue_Combined%20LR.pdf . This UDLP shows the final design plan for the Project. I have also added you to my email distribution list to receive updates on the work on Euston Road, Sydney Park Road, Huntley Street, Burrows Road and Maddox Street. Please do not hesitate to get in contact to discuss this work. Kind regards,	<1 Business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2499	Civil East Works	3/10/2019	11:29 AM	Mascot	Ricketty Street	Signage	Issue/Complaint: Venice Street - 2 signs have been swapped One side of the road has a single car parking space, created by the swapping of 2 signs. When the car space is being utilised it effectively takes up one lane of traffic. Vehicles cannot pass each other if car space is being used. Council requested Alistair contact WestConnex as this is a new road that has not yet been handed over to council.	CDSJV called XXX and left contact details for a call back. CDSJV investigated the area and could not find the problematic street signs.	>1 Business Day
CC2500	Arncliffe	3/10/2019	2:20 PM	Arncliffe	Flora Street	Noise	How are you allowed to work on a building site most of the night? Last night and other nights there was a lot of low level BUT annoying noise coming from the Arncliffe WCX site. It would be ok if ypu stopped a reasonable time so ee can sleep in peace. At least you have positioned the works light away from us.		>1 Business Day
CC2501	Civil East Works	3/10/2019	4:07 PM	St Peters	Unwins Bridge Road	Footpath closure	Issue/Complaint: Caller lodging a complaint about pedestrian footpaths being closed off every day due to construction work. Caller is elderly and unwell, has to catch two buses to get her groceries when she could just walk up the road when footpath is open. Also said there is no assistance to guide pedestrians, feels this is very hazardous.	CDS JV - CDSJV spoke to stakeholder who wanted to register complaint regarding footpath closure on Unwins Bridge Road. CDSJV adv she has raised issue with traffic control personnel who will be on site tomorrow to assist.	<1 Business Day
CC2502	Civil East Works	3/10/2019	7:26 PM	Alexandria	Euston Road	Landscaping	Hi, i notice today that you have planted turf alongside the widened road and footpath outside my apartment in the Datum building at 95 Euston rd. This is not what we were advised when, over 12 months ago, you shared with us the landscaping plan for the road, and it is unacceptable. On other parts of the landscaping you have already planted small shrubs and grasses. Why has this not happened in the central portion of the block? I look forward to your response	CDSJV advised Paul that the landscaping was being undertaken as per the Urban Design and Landscape Plan (UDLP). Residents were notified of this UDLP in the Sydney Park Road, Euston Road and Huntley Street intersection Construction Update, distributed to residents in February 2019. CDSJV provided the UDPL to Paul for his reference.	>1 Business Day
CC2503	Civil East Works	2/10/2019	7:25 AM	St Peters	Barwon Park Road	Property damage	To whom it may concern Recently Westconnex Stage 2 completed new footpaths around 53 Barwon Park Rd, and caused a large amount of damage to the building. 1) Steel Skirting around the tiles has been broken and removed entirely on the side facing	Rectification work to be carried out by CDS following completion of construction work adjacent to the property. New footpaths to be completed along with removal of timber Ausgrid street light poles, scheduled for early 2020.	> 1 business Day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
							<p>Campbell St</p> <p>2) Steel Skirting at the tiles at the front entrance to 1 of the property has been damaged and tiles broken</p> <p>3) Steel skirting damaged and removed to the tiles where the mailboxes are, and tiles have popped out</p> <p>4) Concrete Splash all along Campbell St wall</p> <p>5) Concrete splash on windows</p> <p>6) Chunks taken out of the walls on the side and front of the building</p> <p>7) Damage to the steel grill on the corner property and concrete splash – Paint has come off</p> <p>8) Also I need information on what happened to the earthing rod for the building near the mailboxes it has been concreted over, its meant to have a conduit shroud around it and protected.</p> <p>9) Damage to the concrete at the communications node</p> <p>10) More of a quality issue at the communications node – you can see the aggregate so probably need to be patched</p> <p>I would like a phone call and meeting on site to get a plan agreed with CPB/Samsung (Westconnex Stage 2) on how all these issues will be rectified asap.</p> <p>The amount the building has had to endure now is unacceptable.</p> <p>Regards</p>		
CC2504	Arncliffe	4/10/2019	2:08 AM	Arncliffe	Flora Street	Noise	<p>Issue/Complaint: Drilling through metal waking caller up. Caller requesting for noise to stop.</p>	<p>Hi XXX,</p> <p>It's good to hear that you are now no longer having problems with the light spill.</p> <p>I passed on your concerns to the site teams regarding the low level noise you recently experienced. They have since advised that they have either turned off or repositioned some surface generators which has hopefully made a difference.</p> <p>Thanks</p>	>1 Business Day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2505	Civil East Works	4/10/2019	7:52 AM	St Peters	Brown Street	Noise	Issue/Complaint: Call re: noise and vibrations this morning 4/10 approx 7:30am.	CDS JV (CDSJV v L) called back stakeholder to explain that compaction work is currently being undertaken on Campbell Street. This is standard construction work within standard construction hours, hence why there is no notification for this work.	<1 Business Day
CC2506	Civil East Works	4/10/1019	11:25 AM	St Peters	Unwins Bridge Road	Pedestrian access	Issue/Complaint: Caller advised Contractors are working on the footpath in front of Town and Country Hotel, there is no traffic control in place - caller had to walk on the road which is dangerous.	CDS JV (CDSJV) spoke to traffic team to advise of incident. Advised stakeholder that closure will be in place tomorrow and there will be traffic control in place.	< 5 Business Days
CC2507	Civil East Works	4/10/1019	12:31 AM	St Peters	Brown Street	Dust	Afternoon, I have just had to tell the workers at the end of Brown Street to water down the dirt. They are moving dirt and the dust pollutants are flying every where. If they dont water down the dirt during earth moving and the dust continues to plume I will contact EPA.	Taken as comment. Site staff contacted and advised of need to water down works where necessary.	<1 Business Day
CC2508	Civil East Works	4/10/1019	12:37 AM	St Peters	Brown Street	Parking	Vehicle illegally parked on Brown St.	Vehicle reviewed, not associated with Project, associated with work at private property. Currently no access between New M5 site and Brown Street.	<1 Business Day
CC2509	Civil East Works	4/10/2019	12:37 PM	Alexandria	Gardeners Road	Power service	Issue/Complaint: No power due to WestConnex works. Running food business	CDSJV spoke to XXX to advise that the electricians had visited the site. At this time the power cap had been increased to ensure all units would be able to use power throughout power surge times when all units were using machinery.	>1 Business Day
CC2510	Civil East Works	5/10/2019	5:22 PM	St Peters	Hutchinson Street	Nightwork	Issue/Complaint: Caller would like additional information regarding night works occurring on the 12/10/19 and 13/10/19	05/10/2019 17:20 CDS JV spoke to XXX who noted that that: 1) As the footpath is only on one side of Campbell Street, if a women wanted to cross the road at night due to unsavory people travelling on the same footpath they would not be able to. 2) Litter on Campbell Street. Upon further questioning, it appeared that Jennifer was describing work equipment. She then stated that the equipment is being stored in the work areas in an 'untidy' way. 3) Bike paths were not provided for in the St Peters area of the New M5 plans, or in the notifications of traffic changes.	<1 Business Day



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								Less specifically, she stated that the Project was 'criminal' and 'ruining the community'. Jennifer then ended the call stating that she was getting too worked up.	
CC2511	Civil East Works	8/10/2019	9:43 AM	Mascot	Gardeners Road	Night work / street lights	Issue/Complaint: Caller has recently moved into property and has been dealing with unannounced night works. Queries include: new works Tue 08/10/19 - Thu 31/10/19 from 21:00 - 05:00 (Reference: N775) outlined on letterbox dropped notice. Previous issues with work site level lights on all night. Lack of personal ID required to prove residency to traffic control (as outlined in letter) and ETA of project completion.	<p>8/10/2019 09:44</p> <p>CDSJV spoke to Allie to outline the scope of the New M5 project on Gardeners Road. Allie has moved to the area recently, into the new Meriton Kiara North building. Allie enquired as to the length of the work on Gardeners Road. CDSJV advised that this work would at least be going on until the end of 2019. CDSJV sent the below follow up email.</p> <p>From: Grady, CDSJV Sent: Tuesday, 8 October 2019 10:18 AM To: barbarossa10@bigpond.com Subject: New M5 - Gardeners Road night work</p> <p>Hi Allie</p> <p>Thank you for contacting the New M5 team and for your time on the phone today.</p> <p>As I mentioned, standard construction hours are Monday to Friday 7am to 6pm and Saturdays 8am to 1pm. For some work activities, we do have to work outside of standard construction hours.</p> <p>It is always our preference to carry out road work during day time hours to minimise disruption to nearby residents. Unfortunately on Gardeners Road there are no available traffic approvals that would allow for the required road closures to be put in place on Gardeners Road during day time hours to carry out the road crossing utility work.</p> <p>The Project has an Environmental Protection Licence (EPL) that it works under and must adhere to. The licence permits the Project to work 10 nights per month to impact the same residential properties. We realise that this is disruptive, however, we cannot close Gardeners Road and work during the day on the road crossings due to the traffic impacts it would create. The Project is scheduled to work the 10 available nights per month continuing through the remainder of 2019. We are still in discussion with RMS on the exact completion date for this area following an RMS</p>	<1 Business Day



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								<p>directed change to the intersection. We hope to be in a position to provide clarity to you in the coming months.</p> <p>In the interim and in terms of a lookahead for the next couple of weeks, I have attached the current October work notification outlining temporary construction changes / closures will be in place. The attached PDF contains a map on the second page, this provides details of the date and location of each night work shift.</p> <p>Vehicle and pedestrian access to your property will be maintained throughout construction. When night and evening road closures are in place, please let traffic control on duty that you are a resident requiring property access and you will be assisted through the road closure point.</p> <p>Also – for your information I have attached a flyer for the Mascot intersection upgrades at Coward Street and Bourke Road to begin in September 2019. This work is separate to the New M5 work and will be carried out by the Ventia Boral Amey Joint Venture.</p> <p>As we discussed, I have added your to my e-distribution list to receive construction updates each week.</p> <p>Please do not hesitate to contact me should you require further information.</p> <p>Kind regards,</p>	
CC2512	Kingsgrove Surface Works	8/10/2019	11:40 PM	Beverley Hills	Booragul Road	Reversing beepers	Issue/Complaint: Reversing beepers at night. Requesting to speak with Community Relations team re: noise complaint. Refused to elaborate further.	<p>Hi XXXX,</p> <p>Thanks for your email.</p> <p>Your complaints were passed onto the night work teams.</p> <p>Although we specify to all subcontractors who attend site that quacker's should be fitted to all mobile plant – on the rare occasion plant arrives with the old tonal alarms fitted.</p> <p>As a result of these incidents we have reminded the relevant subcontractor of the requirements.</p> <p>With regards to your compensation request can you please email the relevant information to the following email address for the attention of "Desiree":</p> <p>info@westconnex.com.au</p>	>1 Business Day

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Report: No. 13



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								Thanks	
CC2513	Kingsgrove Surface Works	9/10/2019	4:00 AM	Beverley Hills	Booragul Road	Reversing beepers	Issue/Complaint: Caller demanding ref # for the call. Caller advising working not in compliance with the safety and noise regulations. Caller declined to leave any details and operator unable to confirm contact number due to excessive aggressive nature from caller.	Hi XXXX, Thanks for your email. Your complaints were passed onto the night work teams. Although we specify to all subcontractors who attend site that quacker's should be fitted to all mobile plant – on the rare occasion plant arrives with the old tonal alarms fitted. As a result of these incidents we have reminded the relevant subcontractor of the requirements. With regards to your compensation request can you please email the relevant information to the following email address for the attention of "Desiree": info@westconnex.com.au Thanks	>1 Business Day
CC2514	Civil East Works	9/10/2019	7:34 AM	Alexandria	Bourke Road	Pedestrian safety	Dear XXX, That looks to be quite a long detour for people walking and cycling. Is there provision to safely allow people walking and cycling through the road closure? Kind regards,	Hi XXX Thanks for your email! The pedestrian and cycle routes on Bourke Road will remain open during this work. The fenced work area will be on the opposite side of the road to the cycleway and pedestrian footpath, allowing cyclists normal use of the cycle way. Please let me know if you have any further questions! Kind regards, CDSJV	>1 Business Day

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CC2515	Civil East Works	9/10/2019	6:40 PM	St Peters	Burrows Road	Design change	<p>Hi XXX,</p> <p>we are still waiting to meet with the design guys.</p> <p>This is ridiculous!! Its been more than 2 weeks already.</p> <p>Our front entry is a trip hazard and is non-compliant for disabled access. Please note that this liability is with Westconnex.</p> <p>Thanks</p>	<p>CDS JV explained that the construction and design teams are currently putting together a proposal for a design change. Both teams are aware of the preferred solution of blending in the new footpath with the first step inside the property. We don't believe an additional meeting is required at this stage. Until a design change can be confirmed, CDSJV offered to place pavers in the section between the footpath and front entrance to minimise any trip hazards.</p>	<1 Business Day
CC2516	Arncliffe	10/10/2019	1:34 AM	Arncliffe	Flora Street	Noise	<p>It is 01:30 on a Thursday morning ! Why am I being woken up by loud hammering coming from the Arncliffe wx site ! Why are you working such late construction hours! Generally construction hours stop at a reasonable time to avoid excessive disturbance! Please stop this loud annoying work so we can sleep in peace !</p>	<p>Hi XXX,</p> <p>Sorry for the delay in responding but I have been trying to find out where the source of hammering was coming from as mentioned in your email below.</p> <p>It seems that the hammering may have been a result of the fitting of temporary shutters necessary for undertaking a concrete pour. This activity was stopped. Scaffolders have also been told to handle scaffold in a manner that doesn't produce noise i.e. not dropping but placing scaffold tubes onto the ground.</p> <p>In addition to the above we have now instigated hourly noise (and light) checks at the corner of Flora and Marsh Street. We are also undertaking night-time noise monitoring to confirm our continued compliance.</p> <p>Thanks</p>	>1 Business Day
CC2517	Civil East Works	10/10/2019	10:09 AM	St Peters	Princes Highway	Parking	<p>Cars parking in private hotel car park</p>	<p>Hi XXX</p> <p>Thanks for getting in touch. It's frustrating to see that your car park is being used by construction workers.</p> <p>Tunnelling for the New M5 Project has been completed with many of our workers who previously parked in this area moving away from the St Peters site.</p> <p>I will send the photos around to the remaining site teams on Campbell Street as a reminder to workers not to park in the car park.</p> <p>I'm not sure if you have been in touch with the WestConnex M4-M5 link Project team, they have recently begun tunnelling for the next stage of the WestConnex Project, tunnelling from the St Peters site north.</p> <p>The info email for this project is WestConnex M4-M5 Link</p>	<1 Business Day

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								<p>Tunnels Community Team info@m4-m5linktunnels.com.au</p> <p>Hopefully we can stop our workers from using the car park and keep it available for your guests.</p> <p>Kind regards</p>	
CC2518	Civil East Works	10/10/2019	11:47 PM	Mascot	Gardeners Road	Noise	Night work noise	Resident readed to e-mail distribution list. Update provided on schedule of work and Project approvals	> 1 Business Day
CC2519	Kingsgrove Surface Works	11/10/2019	10:53 AM	Kingsgrove	Garema Circuit	Trucks speeding / lack of signage	Issue/Complaint: Call re: complaint re: speeding trucks travelling a long the road.	<p>11/10/2019 10:54 OUT CDS JV -CDSJV spoke to stakeholder who advised she is concerned about trucks speeding down garema circuit. She had a near miss with a truck at 9am this morning and suggests that more signage should be in place. she did not identify if this was a Westconnex truck.</p> <p>11/10/2019 11:58 AM: CDSJV forwarded complaint onto Construction Manager and Site Superintendent</p>	<1 Business Day
CC2520	Civil East Works	11/10/2019	9:42 AM	St Peters	May Street	Reimbursement for accomodation	Delay with CDSJV approval for cheque reimbursement for previous alternative accommodation due to legitamicy of invoice provided.	<p>Hi XXX</p> <p>Our Accounts Team is currently reviewing the stat dec we have received from Virginia, I will let you know when I have an update on this.</p> <p>The reimbursement for the two upcoming weekends of work, 18-21 Oct and 25-28 Oct, will be provided in one cheque.</p> <p>Best regards</p>	>1 Business Day
CC2521	Civil East Works	11/10/2019	9:54 AM	Unknown	Unknown	Stolen item from Vehicle	Complainent alleged that items were stolen from his vehicle whilst parked on site	CCTV review by CDSJV and NSW Police. No items were taken from the vehicle while it was parked in the Burrows Road car park.	>1 Business Day
CC2522	St Peters Interchange	11/10/2019	5:04 PM	St Peters	Roberts Street	Noise	Issue/Complaint: Caller advised of very loud noise all this afternoon and would like information on what is making the noise and how long will go on for.	<p>Hi XXX,</p> <p>As mention during our phone call, hydro blasting has been taking place within the St Peters Interchange site near Princes Highway.</p> <p>This work has been taking place during standard construction hours Monday to Friday 7am to 6pm and Saturday 8am to 1pm.</p> <p>There is some remaining hydro blasting work to take place in the same location tomorrow during standard construction hours</p>	<1 Business Day

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								between 8am and 1pm. I can confirm that your complaint will form part of our reporting to the EPA. Kind regards	
CC2523	Civil East Works	11/10/2019	5:38 PM	St Peters	Silver Street	Noise	Hi I'd like to make a complaint about the terrible noise emanating from the St Peters Interchange. We've had no warning about this and it's TERRIBLE. It's been going on for days, no notifications and it's incredibly loud and wearing. When will this current round of torture end?	Hi XXX I am sorry to hear that you are being disturbed by the noise. The noise is related to Hydro blasting work which has taken place within the St Peters Interchange site near Princes Highway. This work has been taking place during standard construction hours Monday to Friday 7am to 6pm and Saturday 8am to 1pm. Hydro blasting work will continue to take place as required during standard construction hours. Please let me know if you have any further questions. Best regards	>1 Business Day
CC2524	Civil East Works	12/10/2019	1:40 AM	St Peters	Brown Street	Road construction	Unhelpful traffic control. Ongoing pedestrian and traffic detours.	CDS acknowledged ongoing disruption - we understand that the road construction and ongoing traffic changes have been impacting you. We are working to complete road pavement construction at the intersection of Brown Street and Campbell Street and reopen the road and footpaths as soon as practicable. I'm sorry that your mother had a bad experience as a result of the pedestrian detours.	>1 Business Day
CC2525	Civil East Works	14/10/2019	7:18 PM	St Peters	Hutchinson Street	Noise	Issue/Complaint: Caller had enquires in regards to the road closures.	CDS JV (CDSJV v L) spoke with resident to clarify traffic changes relating to upcoming weekends of work outlined in N789. Stakeholder was concerned about bicycle detours, CDSJV explained the traffic changes and advised will follow up with an email.	<1 Business Day
CC2526	Civil East Works	14/10/2019	10:30 PM	Alexandria	McEvoy Street	Noise	There is extremely loud being done outside our building. The noise is horrendous, absolutely can't sleep through this. Can you please explain why no notice was given?	Not related to New M5 Project. No night work in this location 14/10/19	< 1 Business Day
CC2527	Civil East Works	15/10/2019	10:40 AM	St Peters	Florence Street	Mud tracking	Mud tracking from roadwork on Campbell St.	15/10/19 10:00am CDSJV enviro called street sweeper to attend area. Photos of cleaned area provided to EPA.	< 1 Business Day

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CC2528	Kingsgrove Surface Works	15/10/2019	12:00 AM	Kingsgrove	Armatree Street	Urban design	Hi XXX, our concern is the big ugly galvanise structure that we can all see from the yards which needs to be sorted out as we're not gonna live with this and secondly the overlap which looks like there's gonna be no overlap with the dirt mound tapers down blow the crappy glass Sound wall that doesn't work Sent from my iPhone	Hi XXX, In reverse order - the additional noise panels have yet to be delivered but will overlap the noise mound (see below for extent of noise panels – highlighted in red) If I am correct the structures you are referring to are the tolling gantries for access into the New M5 tunnels. These have been constructed as per design. As always – happy to receive your call. CDSJV	< 1 Business Day
CC2529	Kingsgrove Surface Works	15/10/2019	11:13 PM	Beverley Hills	Tallawalla Street	Noise	Issue/Complaint: No sound barriers and excessive constant noise. Noise first noticeable approx 45mins ago.	CDS JV (CDSJV v L) returned stakeholder's call and advised that high pressure washing work will be completed by 12:30am. Other work will continue until 4am but is expected to be less noisy. CDSJV explained that due to traffic approvals, this work can only be undertaken at night after 10pm.	< 1 Business Day
CC2530	Kingsgrove Surface Works	15/10/2019	11:46 PM	Beverley Hills	Tallawalla Street	Noise	Issue/Complaint: Caller advised there is a high pressure hose noise piercing through everything coming from this site and Caller wants it stopped now.	Hi and thank you for your call earlier. I have spoken to our foreman who has advised that high pressure washing is currently being undertaken within the site. This work can only be undertaken at night after 10pm when lane closures are in place as the work area is too close to live traffic during standard day time construction hours. We will aim to complete this work activity by 12:30am. There may be some remaining high pressure washing work to take place during the upcoming night work schedule. I will be able to end you a copy of Notification No 783 via email tomorrow. Apologies for the inconvenience tonight. Kind regards.	< 1 Business Day
CC2531	Arncliffe	16/10/2019	2:48 PM	Arncliffe	Marsh Street	Noise	Issue/Complaint: Call re noise that occurred A/H last night 15/10/19. No notice was provided.	Hi XXX Unfortunately, noise modelling undertaken has not identified your property as eligible for alternative accommodation in this instance. We will notify you for any future work where you are eligible for respite. I have included your email to our mailing list. Best regards	<1 Business Day
CC2532	Civil East Works	16/10/2019	11:17 PM	Mascot	Church Avenue	Noise	Issue/Complaint: Excessive noise. Caller advised her son has HSC exams tomorrow and this excessive noise is stopping them from sleeping.	CDS JV explained that work can only be undertaken at night due to traffic approvals but will speak to site supervisor to request that high noise work activities are completed as early in the night as possible. Stakeholder did not want a call back, CDSJV followed up with a text at 11:35pm:	<1 Business Day

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								Hi Lina. Just to let you know that I have spoken with our site supervisor, he will aim to complete all high noise work activities near Church Ave ASAP or by 12am midnight at the latest. There will still be other work past midnight but the activities will be less noisy. I apologise for the inconvenience tonight. Kind regards, CDSJV (New M5).	
CC2533	Kingsgrove Surface Works	17/10/2019	1:19 AM	Beverly Hills	Cooloongatta Road	Noise	Noise from reverse beepers and no 3hrs on/1 respite for high noise work.	CDS JV (CDSJV v L) advised will speak to night supervisor regarding issues raised. Note: High noise work commenced at 10:30pm and had not yet been carried out for 3 hours at the time of the call.	<1 Business Day
CC2534	Civil East Works	17/10/2019	11:23 PM	Mascot	Muller Street	Noise	Night work noise during HSC exam period.	CDS JV (CDSJV v L) called stakeholder back and advised that high noise work activities will be completed by 12am midnight. Stakeholder had received the notification and understands why it must be undertaken at night but is unhappy that HSC exams dates have not been taken into consideration. Stakeholder will send an email to the minister.	<1 Business Day
CC2535	Civil East Works	9/10/2019	9:56 AM	St Peters	Hutchinson Street	Signage	Missing No Entry signage on the corner of Hutchinson Street and Applebee Street	Temporary No Entry signage was reinstated on 16/10 as per agreement with Council.	>1 Business day
CC2536	Civil East Works	17/10/2019	9:50 AM	St Peters	Barwon Park Road	Road detour	Issue/Complaint: Caller advised has a complaint re traffic redirection at the top entrance of Crown street and Barwon Park Road- caller advised that traffic redirection is causing traffic congestion	CDS JV called stakeholder who explained that the traffic changes in place on 17/10 were confusing and traffic controllers were not attentive. CDSJV apologised and advised will speak to traffic team.	<1 Business Day
CC2537	Civil East Works	18/10/2019	11:19 AM	St Peters	Brown Steet	Dust and parking	Dear XXX, This morning I have had to speak to the workers about dust mitigation measures. The dust is ridiculous in Brown Street and there has been no watering down. This should be a requirement for the work happening now. I am also concerned for the well-being of one of our elderly residents. She is now housebound because she cannot get out of the end of our street. She should be provided with access to cabcharge so she can at least do her shopping and give reprieve from the noise. Also, as we are home for 3 of the 6 days of construction, are we given vouchers for those days?	Hi Tamara I have raised your concern about the dust with our environmental engineer. Our water carts and street sweepers are in operation on local roads, including Campbell Street, several times a day during standard construction hours to mitigate the dust. Unfortunately cab charges are not offered by the project. I understand that it may be difficult for XXX to take the pedestrian detour and we are working progressively to reopen Brown Street. The footpath will be opened this weekend. She has also been offered respite for the work this weekend and next weekend. The vouchers are provided as respite for day time work. As you check out of your accommodation on Sunday morning, I have	<1 Business Day

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							Regards	sent you the voucher for this Sunday day work. The respite voucher for next Sunday day work will be sent next week. Kind regards	
CC2538	Kingsgrove Surface Works	18/10/2019	11:51 AM	Kingsgrove	Garema Circuit	Property damage	<p>Good Morning XXX</p> <p>Please note I am the appointed Strata Manager for the above address and have received the complaint below.</p> <p>Can you please inform your contractors/workers that they are not to be on the property at anytime without any permission. Any cost for damage repairs due to your contractors will be forwarded to your office for reimbursement. They also have no permission to be using the common water.</p> <p>Your immediate attention to this matter would be much appreciated</p> <p>Kind regards</p>	<p>Hi XXX,</p> <p>Thanks for your email and apologies for the delay in responding but I have been trying to find out what happened.</p> <p>It seems that a tyre fitter came to site without the appropriate personal protective equipment (PPE). Our foreman instructed him that he could not enter site unless he met the projects requirements for PPE. The fitter and the operator then drove off site and it would seem from the photos you provided that they have driven into 23 Garema Circuit to undertake the work.</p> <p>We have instructed both not to return to site and will include a slide in next week's toolbox talk that this type of action will not be tolerated.</p> <p>Thanks</p>	>1 Business Day
CC2539	Civil East Works	18/10/2019	5:31 PM	St Peters	St Peters Street	Near miss at pedestrian crossing	<p>Issue/Complaint: Caller reporting a incident with a WestConnex vehicle that intentionally attempted to run over caller at traffic lights. Police have been contacted.</p>	<p>CDS JV spoke to stakeholder who explained that a vehicle had not stopped at the pedestrian crossing near St Peters Street when he had tried to cross with his wife and child. The stakeholder spoke with the driver at the time, the driver mentioned that he had not seen them at the crossing. CDSJV will investigate the vehicle's rego on Monday and take appropriate action if vehicle is found to be related to the Project.</p> <p>The stakeholder did not want a call back but asked for us to address the issue with the driver of the vehicle should they be associated with the Project.</p> <p>Vehicle identified as being Project related, issue addressed with driver.</p>	<1 Business Day
CC2540	Civil East Works	19/10/2019	9:20 AM	St Peters	Crown Street	Lack of signage	<p>Issue/Complaint: Caller advises the road has been closed for the past 24 hours for pavement and roadworks at end of street. The road has been reopened where it meets Campbell Street, however the incline is very sharp and is causing a spoon dip, and causing cars to bottom out when proceeding through the intersection. Caller advises this requires to be fixed and signs need</p>	<p>Site staff contacted. Cold mix was placed on Crown Street to even out the road surface.</p>	<1 Business Day

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							to be installed to caution drivers to slow down for the dip in the meantime.		
CC2541	Civil East Works	19/10/2019	10:09 AM	St Peters	Victoria Street	Worker behaviour	<p>Hi,</p> <p>This traffic control officer was witnessed driving aggressively and fast during school pick up time, in a school zone outside St Peters Public School on Victoria and Church Street.</p> <p>This particular incident was directed at a parent parking their car, me, whilst I had a child in the car. I was taking some time to park as the street is tight and has two way traffic. He was unsatisfied with the time it was taken for me to park my car and aggressively drove towards me and pushed through the small space available. I felt intimidated and at the time was actually concerned he was going to hit my car. This all happened outside the school gates.</p> <p>The irony of this whole situation is traffic controllers should understand and be upholding safety concerns in front of a school.</p> <p>This morning I walked past this same individual working on Campbell Street and recognised him. As he has a very identifiable hard hat. He remembered the incident too and told me that I was taking too long to park. I was infuriated at his response, he thought he was entitled to drive that way in front of a school at school time. There was no apology. I then gave him a piece of my mind.</p> <p>Regards</p>	<p>Hi XXXXXX</p> <p>I am sorry to hear about the incident outside St Peters Public School last week, I can imagine that must have been frightening.</p> <p>Your complaint was provided to our traffic control provider yesterday. The traffic controller in question has been stood down while the incident is being investigated and asked to explain his actions.</p> <p>We will also remind all traffic controllers associated with the New M5 Project of appropriate worker behaviour.</p> <p>Kind regards CDSJV</p>	>1 Business Day
CC2542	Civil East Works	19/10/2019	10:54 AM	St. Peters	Hutchinson Street	Traffic detours	<p>Issue/Complaint: Caller advised according to traffic changes she needed to go onto Princes Highway to get to her address at 5/60-68 Hutchinson Street - when entering Princes Highway she was not able to get through.</p>	<p>CDS JV explained detours in place and advised stakeholder to wait until traffic control are able to move cones and let her through the closure. Alternatively, an option is to access Campbell Street via Victoria Street and Church Street.</p>	<1 Business Day

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CC2543	Arncliffe	19/10/2019	5:06 PM	Arncliffe	Flora Street	Alarm noise	Issue/Complaint: Caller advised the crane wind alarm is sounding	Site staff were contacted and crane alarm was turned off. CDSJV called stakeholder back to apologise for inconvenience and advise alarm has now been turned off.	<1 Business Day
CC2544	Civil East Works	19/10/2019	5:46 PM	St. Peters	Hutchinson Street	Traffic detours	Issue/Complaint: 788 Notification - Road Closures - Called earlier today was unable to access street - was not allowed down Campbell Street as Stop/Go worker would not allow access - This was specified in leaflet - would like to know alternate directions that will not make for driving for 45 minutes extras to get home.	Stakeholder was not able to turn left from Church Street to Campbell Street as advised by CDSJV during initial phone call. Stakeholder turned left from Princes Highway to Campbell Street instead. Would like updated map ahead of next weekend's work, CDSJV to provide via email next week. Follow up email sent to stakeholder on 24/10 outlining traffic changes in place during upcoming weekend work	<1 Business Day
CC2545	Bexley	19/10/2019	10:05 PM	Unknown	Unknown	Cycle path	<p>> Dear Sir/ Madam,</p> <p>> I am writing in connection with the new M5. I have noticed that a section of the path between Bexley North and Kingsgrove has been closed. There is a notice that states that the path will be closed until 31 of July, it is now 18th of October and that section of the path is still closed. There is also a section of the path between Beverly Hills and Kingsgrove that has been removed and replaced with a gravel alternative with a notice that displays "cyclists dismount".</p> <p>></p> <p>> I am a cyclist myself, originally from Europe and am horrified by the poor infrastructure in Sydney for cyclists. I try to use off road routes but these are very limited and now it looks like they are being closed to build and extend the highways to keep polluting vehicles on the road. It seems to me that this is the wrong priority. You need to be building new cycle highways to reduce the amount of motorists on the road and to keep cyclists safe.</p> <p>></p> <p>> Please advise me when this path will be fully reopen and please update your notices so members of the public are not being misled any more.</p> <p>></p> <p>> I await your response.</p> <p>></p> <p>> Yours sincerely,</p>	<p>Hi XXX,</p> <p>Thanks for your email.</p> <p>The section of path between Bexley North and Kingsgrove will not be fully opened until Feb / March 2020. We will ensure that the current signage is changed to reflect this new date.</p> <p>The permanent concrete path (currently temporary gravel) between Beverly Hills and Kingsgrove will be completed by the end of this year / January 2020.</p> <p>Thanks</p>	>1 Business Day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2546	Civil East Works	20/10/2019	8:34 PM	Alexandria	Mitchell Road	Street lighting	Issue/Complaint: Please call re caller advised works undertaken on Friday 18/10 re street lighting in Sydney Park Rd and this evening, there is no street lighting, including mobile street lighting on this road. Caller advised very dangerous for pedestrians.	CDSJV called Stuart to find more details on the situation. Stuart complained that the lighting during rod and rope work on Sydney Park Road was inefficient for pedestrians. Complaint has been reported and noted with supervisors to be corrected for next work shift in the area on 24 Oct.	<1 Business Day
CC2547	Civil East Works	21/10/2019	12:01 PM	St Peters	May Street	Water outage	Issue/Complaint: Water has just been cut off at callers property and she is trying to ascertain if its due to road works being conducted outside. Caller was unsure of project, so incorrect call made by operator to Joel - LSBJV who confirmed the project would be the New M5 and to refer to that team.	CDSJV adv we are not doing an work on May Street that will affect water supply. Adv to check with private property plumber.	<1 Business Day
CC2548	Civil East Works	21/10/2019	12:46 PM	St Peters	Hutchinson Street	Traffic detours	Hi Can you please explain why traffic is driving down Campbell Street from bedwin road contrary to notification 788? Notification 788 says local traffic on Campbell from princess highway only. This is so dangerous to change it and not tell anyone.	CDS JV explained that following the implementation of the temporary traffic changes at May Street intersection, it was determined that the eastbound lane on Campbell Street could be maintained from Bedwin Road under a stop/slow traffic set up. This change to the original plan would minimise the traffic detour and as such, the stakeholder can access Hutchinson Street	<1 Business Day
CC2549	Civil East Works	21/10/2019	4:07 PM	St Peters	Ricketty Street	Signage	Hello M5 people, We are located at 1-3 Ricketty St. There is a 'no left turn' sign on a pole just before the left turn into Venice St that is causing confusion, as it is the only way to get into the properties here at the moment. It may have been left after the construction of Venice St (as the entry was closed for some time) and was covered up in black plastic. If that is the case, the plastic has now come off. Could you organise for it to be removed or covered up again? Kind regards,	CDS JV advised the stakeholder that the matter was discussed with the traffic team and have organised for the sign to be covered up.	<1 Business Day
CC2550	Civil East Works	22/10/2019	5:32 PM	Mascot	Gardeners Road	Noise	To whom it may concern, I am writing because the M5 Project is conducting work outside my apartment which is affecting my ability to use my residence. The nuisance has been caused by the following activity:	CDSJV advised stakeholder of the EPL allowance to work ten nights per month without offer of respite.	< 1 Business day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g.. - street/compound	Issue	Complaint description	Response	Response time 1 business day
							<p>1. Loud machinery operating nightly due to the M5 Project.</p> <p>This issue has lead to me not being able to sleep at night which is now affecting my employment.</p> <p>My address is XXX Gardeners Road, Mascot, NSW, 2020 and my apartment faces Gardeners road, all my bedroom windows and balcony face Gardeners road and i can't escape the loud noise from machinery which operates at night past midnight.</p> <p>When i moved into this apartment there was no work being done at night on Gardeners road.</p> <p>I am paying 1,075.00 per week to live in this apartment and the work conducted at night has caused my stress levels to rise and i feel i should be compensated for this.</p> <p>Can you give me some advice on what steps i need to take to put in a request for compensation?</p> <p>Kind Regards,</p>		
CC2551	Civil East Works	23/10/2019	11:04 PM	Mascot	Gardeners Road	Noise	<p>Hi XXXX,</p> <p>This is XXX, I live in 659 Gardeners Road, Avandra residence level X, with my 7 months old baby.</p> <p>The night work is scheduled all weeknight on our area. Can you please arrange to have the noise be lower again. Its extremely stressful to be forced hearing very noisy machinery all night. Our baby has been waking quite a few times due to this. He was a good sleeper. And also, my husband also need to wake up early in the morning for work, we really need a peaceful night!</p> <p>Here is the video recorded from our room at 11:00 PM at night. Its extremely stressful for us to start/go back to sleep too! Worrying our baby may wake up anytime.</p> <p>https://photos.app.goo.gl/SpHBkFoQ9Q8tcSpW7</p>	CDSJV advised stakeholder of the EPL allowance to work ten nights per month without offer of respite.	< 1 Business day

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							<p>https://photos.app.goo.gl/JFupc9kG4f4zoie96</p> <p>Please, can the better noise cancelling instrument be installed in the area.</p> <p>Regards,</p>		
CC2552	Civil East Works	24/10/2019	17:06PM	Mascot	Gardeners Road	Noise	<p>Caller advised excessive noise from works- caller advised that work has been occurring from 10pm to 5am since Monday 21/10/19- caller advised unable to sleep due to works</p>	CDS provided information on the night work schedule and Project night work justification and approvals.	< 1 Business day
CC2553	Civil East Works	22/10/2019	8:56AM	Mascot	Gardeners Road	Noise	<p>Resident suggested working weekends only- at least then most people who work during the week are not exhausted from lack of sleep.</p>	CDS provided information on the night work schedule and Project night work justification and approvals.	< 1 Business day
CC2554	Civil East Works	23/10/2019	11:04 PM	Mascot	Gardeners Road	Noise	<p>Hi XXX</p> <p>This is XXX, I live in 659 Gardeners Road, Avandra residence level 4, with my 7 months old baby.</p> <p>The night work is scheduled all weeknight on our area. Can you please arrange to have the noise be lower again. Its extremely stressful to be forced hearing very noisy machinery all night. Our baby has been waking quite a few times due to this. He was a good sleeper. And also, my husband also need to wake up early in the morning for work, we really need a peaceful night!</p> <p>Here is the video recorded from our room at 11:00 PM at night. Its extremely stressful for us to start/go back to sleep too! Worrying our baby may wake up anytime.</p> <p>Please, can the better noise cancelling instrument be installed in the area.</p> <p>Regards,</p>	CDSJV advised stakeholder of the EPL allowance to work ten nights per month without offer of respite.	< 1 Business day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g.. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2555	Civil East Works	24/10/2019	3:47 PM	Mascot	Gardeners Road	Noise	<p>Good morning,</p> <p>I wanted to lodge a noise complaint about the road works that are occurring on Gardeners Road in Mascot at the moment. My building faces gardeners road with my lounge on the road side, my bedroom is at the back away from the road. However, it is still incredibly loud well in to the night. I have not been able to sleep properly as I cannot use ear plugs or I won't hear my alarm for work. I understand that it's easier to do road works at night but to have them going during the week and so late as well as SO loud seems crazy to me. There are so many people living in the area that would be impacted by this, surely it would be less impact if you did it on weekends only- at least then most people who work during the week are not exhausted from lack of sleep.</p> <p>Anyway I am sure that it is what it is with these things but I wanted to register my complaint as the volume is just ridiculous for that time of night.</p> <p>Thank you</p>	<p>Hi XXX,</p> <p>Thank you for getting in touch with the New M5 Project team. We understand that you are being disturbed by the ongoing night work on Gardeners Road.</p> <p>Unfortunately, the hours in which we can work on Gardeners Road are limited. The Road Occupancy Licences that the Project works under only allows Gardeners Road to be closed to through traffic from 9:30pm to 5am on weekdays. The work cannot begin until the road is closed, often this means we cannot start work until 10:00pm or 10:30pm when the road closures are successfully installed. We do endeavour to complete the noisier work such as jackhammering and saw cutting by 12am each night.</p> <p>It is the Project's preference to carry out road work during day time work hours to minimise disruption to nearby residents at night. Unfortunately on Gardeners Road there are no traffic approvals that allow for the required road closures to be put in place during day time hours due to the traffic congestion it would create.</p> <p>I'm sorry that I do not have been news to provide in relation to the scheduling of the work.</p> <p>Kind regards</p>	> 1 Business day
CC2556	Civil East Works	24/10/2019	5:06 PM	Mascot	Kent Road	Noise	<p>Issue/Complaint: Caller advised excessive noise from works- caller advised that work has been occurring from 10pm to 5am since Monday 21/10/19- caller advised unable to sleep due to works</p>	<p>CDS JV called stakeholder to discuss her call. Caller was upset regarding the amount of New M5 work occurring in the area (current schedule is Monday, Wednesday, Friday).</p> <p>CDSJV further informed the resident that the Project has an Environmental Protection Licence (EPL) that it works under and must adhere to. Under the EPL, the Project's standard construction hours are Monday to Friday 7am to 6pm and Saturdays 8am to 1pm. For some work activities, we do have to work outside of standard construction hours. The licence permits the Project to work 10 nights per month to impact the same residential properties.</p> <p>It is always our preference to carry out road work during day time hours to minimise disruption to nearby residents. Unfortunately on Euston Road there are no available traffic approvals that would allow for the required road closures to be put in place during day time hours to carry out the road asphaltting work.</p>	> 1 Business day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
								CDSJV asked stakeholder if she would like to be added to the e-distribution list for the area. Stakeholder said yes.	
CC2557	Arncliffe	25/10/2019	5:32 PM	Arncliffe	Flora Street	Parking	<p>Westconnex workers continue to park illegally in Flora Street after times which parking inspectors are on duty.</p> <p>I am completely fed up with not being able to find a parking spot on a street where I pay rates to live and parking permit. It is becoming a joke.</p> <p>I'm also disappointed that I have not received a response to my email below so that we can understand for how long we have to endure this inconvenience so we can take this up with council effectively and appropriately.</p> <p>Regards</p>	<p>Hi XXX,</p> <p>First things first - apologies for not responding to your email of 8 July – it must have been an oversight on my part but I was not aware of receiving your email. In answer to your question posed in this email we expect construction to be completed by April / May 2020.</p> <p>We do understand that worker on street parking is a big issue in the local streets. There has been a small reduction in workforce at the Arncliffe site with the cessation of all tunnelling activities although I appreciate that this reduction may not be clearly felt regarding ongoing parking in the local roads. We have also managed to secure some additional parking onsite but again the effects of this on offsite parking maybe minimal.</p> <p>As advised previously if a vehicle is parked legally then we have no legal recourse to get the vehicle moved - we can only continue to remind workers of their obligations to be good neighbours and act accordingly. The same applies if vehicles are parked illegally however we would encourage affected residents to contact Council Rangers in such instances.</p> <p>Please do not hesitate to contact me if you have any further concerns.</p>	> 1 Business day
CC2558	Civil East Works	26/10/2019	11:02 AM	St Peters	Lackey Street	Road closures	<p>Issue/Complaint: Caller has received a Letter on the 14/10/2019 in re to a route to access Campbell Street because of the road works that happening. Caller has taken the new route and has had to stop and ask a worker why they couldn't access and was advised it is not the way to go</p>	<p>26/10/2019 11:25</p> <p>CDSJV attempted to call back. No answer. Voicemail left.</p> <p>28/20/19 10:53</p> <p>CDSJV called stakeholder to discuss the road closures. Stakeholder advised that local access was not allowed on Campbell Street where a notification stated that it would be. CDSJV to investigate and email stakeholder with findings.</p> <p>28/10/2019 11:31</p> <p>CDSJV called stakeholder to advise that she had spoken to the traffic management team and that access was allowed from Princes Highway to Campbell Street, if the resident pulled over to talk to the traffic controllers.</p>	> 1 Business day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2559	Civil East Works	27/10/2019	1:15 PM	St Peters	Unwns Bridge Road	Pedestrian crossing	Issue/Complaint: Caller advised that traffic control had been unhelpful and rude when asked to assist someone crossing the road	CDSJV spoke to XXX on traffic team about the matter. XXX advised that he would investigate and talk to traffic team	< 1 Business day
CC2560	Civil East Works	27/10/2019	7:43 PM	St Peters	Silver Street	Near miss accident	Issue/Complaint: Reporting Accident Near Miss on Campbell Street x Princes Hwy St Peters. Pedestrian was attempting to cross at a Green Light Crossing and a motor vehicle turned on the Pedestrian. Pedestrian did not sustain any Injuries and No Vehicle details were taken. WestConnex signage not adequate for Safety of Pedestrians and Crossing not Monitored sufficiently for Pedestrian Safety by person on traffic control duty.	CDSJV called stakeholder and stakeholder explained incident. Truck reportedly turned illegally from Campbell Street onto Princes Highway while pedestrian light was green. Stakeholder asked for more signage to be put up, however weekend shutdowns are not finished.	< 1 Business day
CC2561	Civil East Works	28/10/2019	10:20 AM	St Peters	Hutchinson Street	Drainage	Dear Westconnex Please see attached photos of water pooling in May Street at the pedestrian and wheelchair sloped footpath entry on the Bedwin Rd side. The photos were taken on Saturday 12 October after the last decent fall of rain we have had this month. The fall was recorded on the Bureau of Meteorology (BOM) at the airport gauge as 11mls to 9 am Saturday. This is not a heavy fall. You will notice the grates to remove the rain water are above the pool. The slope up to the footpath is below the May St grate. The pooling was approximately 3 cms, enough to flow over my boots. A woman with a child in a pusher was likewise walking with water splashing over her footwear and around the wheels. To me this demonstrates the defective design and build of our brand new intersection road and foot paths on the May St side where pedestrians cross to walk to Edgeware Rd schools or on to the Marrickville Metro. Either the grates for storm water are in the wrong place or the road surface is wrongly chamfered. A similar problem can be seen at the bottom of Hutchinson St near the entrance to Campbell St. Since the road work in Campbell St is continuing surely this problem could be addressed before the construction company finishes its work.	Hi XXXX Thank you for your email. Prior to New M5 Project completion, a final asphaltting wearing course will be placed on the road surface on Campbell Street and the May Street intersection. The wearing course will raise the road surface by 50mm. The wearing course will also be placed on a section of road on each of the side streets closest to Campbell Street. This includes Hutchinson Street near the Campbell Street intersection. Work to place the final asphaltting wearing course is currently scheduled to commence in early 2020. Once complete, the road surface will be level with the grates which will help to alleviate the flooding issues in the area. Hopefully the dry weather will continue until the work can be completed. Thank you for your ongoing patience. Best regards	< 1 Business day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
CC2562	Civil East Works	29/10/2019	10:19 AM	Mascot	Gardeners Road	Noise	Resident requesting ear plugs due to noise from night-time works	CDSJV advised stakeholder of the EPL requirements for respite. CDSJV further explained that the headphones that the stakeholder mentions her neighbour having received were issued as respite for two nights of consecutive work. Having accepted and received the offer of headphones, her neighbour is now ineligible to redeem an offer of alternative accommodation for four future nights of consecutive work. As the stakeholder redeemed the alternative accommodation option during the two nights of consecutive work, unfortunately the New M5 Project cannot provide the stakeholder with further respite options at this time.	> 1 Business day
CC2563	Arncliffe	30/10/2019	2:02 AM	Arncliffe	Flora Street	Noise	It's 2am in the morning! Why is there work being done on tje wx construction site at Arncliffe ? Please keep the noise down. Banging & hammering at this hour is keeping us awake. WHY DO YOU CONSTANTLY NEED REMINDING ! Please think of the local community and keep your disturbances for daylight hours..	Hi XXX, Thank you for your email which has been passed onto the night-time site crew. Please note that night-time verification noise monitoring continues to indicate that we continue to comply with our requirements. In addition we will continue to undertake regular night-time noise checks at the bottom of Flora Street to ensure that our works remain compliant. Thanks	> 1 Business day
CC2564	Civil East Works	30/10/2019	7:57 AM	St Peters	St Peters Street	Plumbing	Issue/Complaint: Caller is asking to speak to XXX who is away of this issue - plumbing issue	CSJ JV CDSJV spoke to stakeholder, advise his toilet is not flushing and the water pressure is down, could be in connection with Utility work done at property yesterday. CDSJV advised someone will have a look at property. *utility team - Shane attended to inspect and rectify issue*	> 1 Business day
CC2565	Civil East Works	30/10/2019	4:22 PM	St Peters	Lackey Street	Traffic detours	Complainant advised detour to Lackey St during the Campbell St closure is inconvenient for her to get home.	CDSJV adv that the necessary detour is in place for the work and adv of the recommended detour routes.	< 1 Business day
CC2566	Civil East Works	31/10/2019	12:45 PM	Alexandria	Bourke Street	Vibration	Hi, Can you please ask the steam roller to stop working beside us as it is causing huge disruption to our office. We are located at Unit 10, 77-79 Bourke Road, Alexandria.	CDSJV advised will contact site team and call back. Smooth drum roller in operation. Site team advised and work ceased by 2pm.	< 1 Business day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
							<p>Please find attached a video of a plant vibrating on my desk.</p> <p>The whole building is shaking.</p> <p>Many thanks.</p>		
CC2567	Civil East Works	31/10/2019	8:05 PM	St Peters	Campbell Street	Road surface	<p>Issue/Complaint: Caller would like to speak with someone in regards to a poor road surface causing potential damage to vehicles and tyres. Cnr Campbell ST and Princess Hwy, south bound right lane.</p>	<p>CDSJV adv will have a look tomorrow and ask site team to rectify any issues. caller doesnt want a call back.</p> <p>CDS JV CDSJV raised issue with the civil team - advised this will be rectified</p>	< 1 Business day
CC2568	Civil East Works	31/10/2019	11:14 PM	St Peters	Princes Highway	Noise	<p>Issue/Complaint: Caller advised Noise from Trucks on Construction Site. Caller advised that he has been threatened by Workers previously regarding Noise at site. XXX took his phone down to the Works Foreman and requested that he speak to West Connex Call Centre Operator. Works Foreman - XXX advised that he would contact Police if XXX continued to Harass worker. XXX advised he can be contacted on Mob: if further details are required.</p>	<p>CDSJV - spoke to XXX who was irate regarding noise outside his window. He had been outside near the work area and was confronted by the site team to move away from work. CDSJV adv this is for his own safety precautions. CDS JV had contacted the police as Bradly continued to interrupt work.</p>	< 1 Business day
CC2569	Civil East Works	1/11/2019	1:07 PM	St Peters	Princes Highway	Vandalism	<p>Good afternoon,</p> <p>Can you please advise me who is the Community Relations Coordinator and provide me a contact? Or someone who can help me?</p> <p>We have a fence behind the hotel that sits between us and WestConnex, it is not our fence but it is currently prone to vandalism. We have cleaned it numerous times now and it has been tagged again.</p> <p>I have been told previously once works are completed that the fence will be taken down and wondering when that would be?</p> <p>Kind Regards,</p>	<p>Hi XXX,</p> <p>I hope you're well.</p> <p>The fence behind the property, shown in the below image taken in 2009 was in place before WestConnex work began and was not installed or being removed by us.</p> <p>Is there a different fence that you are referring to?</p> <p>Kind regard</p>	> 1 Business day
CC2570	Civil East Works	1/11/2010	4:11 PM	St Peters	Campbell Road	Parking / worker behaviour	<p>Hi</p> <p>Could you please have a word with the workers parking in the temporary car park at the front of the Campbell Road terraces?</p> <p>They are making significant noise from before 0600hours in the morning when they arrive,</p>	<p>Hi XXX,</p> <p>Thanks for letting us know.</p> <p>We will raise this in the morning meetings.</p> <p>Best regards</p>	< 1 Business day

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							<p>leaving car engines running or even revving engines and generally making a racket and shouting to each other. I ask as it has woken our daughter up on at least two occasions this week. If the workers have to have their parking in front of the house, could they at least be mindful people are living and sleeping a couple of metres away?</p> <p>We appreciate your help with this.</p>		
CC2571	Civil East Works	2/11/2019	7:22 AM	St Peters	Crown Street	Traffic control behaviour	<p>Hi XXX and XXX, I live on the corner of Crown St and Barwon Park Rd where the road, at the end where there is meant to be traffic control in place to coordinate cars travelling in both directions on a one way street.</p> <p>For the past two weeks almost every crew from Altus Traffic have had Crown Street wide open for cars to enter without checking is there is a car revering to come out. Most TC personnel have been on their mobile phones, sitting in there utes watching videos or sitting beside my fence not even looking at the traffic for the majority of their shifts.</p> <p>There was not a single person manning the corner last night and still no one this morning.</p> <p>We just purchased a new car and nearly got rear ended last week whilst trying to reverse out of Crown Street, there are many pedestrian and kids that walk up and down the street to use the park. It's only a matter of time before there is an accident!</p> <p>Lastly, there are numerous pieces of rubbish and cigarette butts left by their utes. This has now been picked up after I brought it up with the crew yesterday.</p> <p>Two ladies- both on their phone not facing the traffic</p> <p>Thursday the 31st , two men on their ute with backs facing the traffic.</p>	<p>Hi Kent</p> <p>Thank you for bringing this to our attention.</p> <p>I have provided the below information to our traffic manager who is responsible for the Altus contractors.</p> <p>Our traffic manager will raise the issues to Altus regarding the use of mobile phones, sitting when not on break, rubbish and cigarette butts. The traffic manager has also been on site this morning to address the following issues with the traffic controllers and to remind them of the expected behaviour.</p> <p>Please let me know if you have any further concerns.</p> <p>Best regards</p>	< 1 Business day

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							Regards		
CC2572	Civil East Works	4/11/2019	12:45 PM	St Peters	Barwon Park Road	Dust / Property treatment	Issue/Complaint: Caller wishes to adv that Campbell St is left quite filthy from all the trucks coming from the St Peters Interchange.	CDSJV adv that there are street sweepers in place daily and water carts on site to mitigate the dust. Stakeholder adv he wants vouchers to wash his car - CDSJV adv this is not offered by the project. Adv will refer dust complaint from Spoil to M4-M5 link and Follow up with property team regarding acoustic treatment.	< 1 Business day
CC2573	Civil East Works	4/11/2019	5:53 PM	St Peters	St Peters Street	Traffic access	Issue/Complaint: Caller advised that on Campbell St, traffic has been changed to a one way from Florence St towards Unwins bridge Rd however Drivers are driving down Campbell St from Church st as if Campbell St is one way from Princess Hwy meaning Caller is unable to turn right from Florence ST and into St Peters St where Caller lives.	CDSJV advised that information would be passed to traffic manager for review. No follow up required. CDSJV called traffic manager to advise of safety concern. he noted that approved traffic set up was in place. He would shift signs 1-2m west on Campbell.	> 1 Business day
CC2574	Civil East Works	5/11/2019	1:34 PM	Alexandria	Euston Road	Uneven road surface	Issue/Complaint: Requesting to discuss the construction. When moved to the other side of the street, the road is not flat. The new road/old road joining has lumps and bumps and his unit shakes whenever a truck goes past. Has had picture frames fall of the walls etc.	CDSJV called stakeholder, adv unit shakes when truck drives past between maddox and huntley - could possibly be from work taking place, he is not exactly sure what is causing it but he is trying to sell his house and concerned that potential buyers will enquire. CDSJV adv there is still some finishing work to the road surface to take place and will rectify the uneven road surface. adv will speak to the site team also.	< 1 Business day
CC2575	Civil East Works	5/11/2019	3:57 PM	St Peters	Unwins Bridge Road	Maintenance	To whom it may concern Just to follow up on a few things that need revisiting post the works around the pub <ul style="list-style-type: none"> Plants have not been watered ever since they were planted - some are already dry and arid The lane just outside the pub has a loose grate installed in the middle of it that when cars run over it it makes quite a loud sound The sand along the pavers is loose which means it all comes into the pub every time a customer walks in Next time you're around please come in for a chat Regards	13/11/19 12:00PM CDS JV CDSJV - spoke to XXX on site - advised we have arranged for the plants to be watered. Also advised the loose manhole will be rectified during the upcoming night work. From: Enquiries, Community Sent: Tuesday, 5 November 2019 4:57 PM To: Subject: RE: Town and Country Hotel St Peters Hi XXXX I have passed this on to the site team and asked them to water the plants do a and clean up around the pub. The sound you are referring to is being caused by a loose manhole – this will be fixed in the coming weeks. I will pop in to you this week. Please let me know if there are any other issues in the meantime.	> 1 Business day

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Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
								Best regards	
CC2576	Civil East Works	6/11/2019	11:52 AM	Alexandria	McEvoy Street	Noise	Issue/Complaint: Road works complaint working right under callers bedroom window from 11:30 pm through to 04:00 am this has been going on for the past 2 weeks	CDS JV CDSJV - advised night works have been notified for Mon-wed-frid night, any work outside this is not NewM5 work and is VBA JV work. advised we have notified and will add to email list for e-updates.	< 1 Business day
CC2577	Civil East Works	6/11/2019	10:47 AM	Alexandria	McEvoy Street	Noise	Issue/Complaint: Caller advised it is now day 3 of night works. Caller advised has had approx. 6hrs sleep in these days and has been advised by workers that the work will be ongoing to Friday. Caller requesting noise mitigation urgently on site.	CDS JV spoke to stakeholder and advised the night work has been notified for and all within approved NewM5 regulations. Caller advised he will like some respite, CDSJV advised respite only offered for constitutive night work and not eligible in this instance. Resident unhappy that VBA JV have been working on the respite nights and therefore have been consecutive night work.	< 1 Business day
CC2578	Civil East Works	7/11/2019	9:08 AM	Alexandria	Euston Road	Driveway access	Issue/Complaint: Multiple truck and dog vehicles from West Connex are parking across driveway of this business. At the moment they are 3 abreast and are completely obstructing driveway access and view of oncoming traffic	CDSJV called stakeholder, he advised there are some trucks parking across his driveway and they are blocking their access. He has spoken to Mike on site who has moved the trucks and advised he will place a barrier to stop trucks from parking there.	< 1 Business day
CC2579	Civil East Works	7/11/2019	12:09 PM	Alexandria	McEvoy Street	Night work	Issue/Complaint: Call re: complaint as not enough notification was given re: road works.	CDS JV advised night work has been notified for in N.799 delivered on 29oct. Adv that all other work this week in this location is not NewM5 related and has been undertaken by VBA JV to refer complaints re tuesday night work to RMS. Adv will add stakeholder to email list for future updates.	< 1 Business day
CC2580	Bexley	7/11/2019	12:36 PM	Kingsgrove	Kingsgrove Road	Accommodation	Hi As discussed: The dates for week 3 which is actually week 5 of the relocations are Monday 25 Tuesday 26 not Thursday and then Thursday 28 and Friday 29 We would like continuity of stay during the 5th week as we have moved in and out of our place 5 time and what you're asking for is to do 6 and that too during the week which seems very unfair. We'll take the offer for the four days for now but	CDS JV CDSJV - spoke to stakeholder and advised that we cannot provide accommodation for nights when the works were not taking place. Omar req to speak with supervisor. CDSJV called back 2:05 7/11/19 - advised that accommodation will not be provided for nights where there is no work scheduled.	< 1 Business day

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							would like to raise the matter to get continuity of stay during week 5. Regards		
CC2581	Civil East Works	8/11/2019	8:22 PM	St Peters	Crown Street	Traffic controller	Issue/Complaint: Complaint - re Traffic Controllers on Crown Street - Caller concerned that the controllers especially at night are in their vans and not really controlling the traffic	CDS advised that she would need to obtain further information from the traffic manager in order to respond to the issues raised. CDS advised she would respond on Monday following conversations with the team.	> 1 Business day
CC2582	Civil East Works	8/11/2019	4:31 PM	St Peters	Crown Street	Road closures	Stakeholder frustrated that Crown St has been closed for 4 weeks without any alternate detour option	CDSJV advised Barwon Park rd has been made two-way per final design. Stakeholder req to speak with manager, SP advised anyone using Barwon Park rd southbound to access Campbell St is not obeying traffic rules and this is a matter for the police. Adv we will remind workers to obey correct road rules.	< 1 Business day
CC2583	Civil East Works	8/11/2019	4:50 PM	St Peters	Crown Street	Traffic detours	Hi XXX, This is yet again another extension. I am a resident of Crown Street, St Peters. Do you think it is possible to get some traffic control up at the intersection of Barwon Park Road and the Princes Highway? At least during daylight hours. This is our only way out. To get to Newtown or Marrickville Metro we have to run a six lane gauntlet across the highway. The road rage in peak times is unbelievable. And the cars heading north on the highway block the whole turning area, so even when there is a gap in the southbound traffic it is one car at a time forcing their way into the line of traffic, often blocking the southbound lanes. More road rage. And the other cars don't want to let them in, especially if they then try to turn left into May Street, across three lanes. The cars are lined up in Barwon Park Road 10 deep or more. There should be lines marked KEEP CLEAR – TURNING AREA or similar so that there is an area we can turn into. The only other option is to go five kilometres out of our way, around the block	Hi XXX I understand that the temporary detour is causing inconvenience, however as there is no construction work on Barwon Park Road, two-way managed traffic at the intersection of Barwon Park Road and Campbell Street is not required. The current traffic configuration in place on Barwon Park Road is as per the projects final design. I have been made aware that residents in the area have previously raised the issue of the intersection of Barwon Park Road and Princes Highway with Roads and Maritime Services (RMS). This is not within the scope of the NewM5 project and there will not be any change made at this intersection as part of the project. RMS may carry out work in this location at a later stage. Access to Campbell Street via Crown Street will return once the work is complete this Wednesday. Again, I apologise for the inconvenience of the temporary detours, we are working progressively towards reopening Crown Street.	< 1 Business day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
							<p>via Sydenham. Not acceptable!</p> <p>What is going to happen when the roadworks are complete and the direction of Crown Street is reversed to its original direction, as promised?</p> <p>If Barwon Park Road stays one way at the Campbell Street traffic lights, then, again, only one way in and one way out.</p> <p>Please see what you can do about this situation at the highway.</p>		
CC2584	Civil East Works	9/11/2019	7:42 AM	St Peters	Campbell Street	Property damage	<p>hi,</p> <p>previously spoken to XXXX and had site inspection in regards to the damaged walls at our premises.</p> <p>Could you arrange repairs asap or email a claim form so we could arrange for the damages to be repaired. This has been ongoing since the start of the road works as documented.</p> <p>Now that the major part of the road here is complete, we would like to refresh the façade of the building which we operate a business from.</p>	<p>Hi XXX</p> <p>The repairs will be undertaken as part of our rectification work. This is scheduled for December.</p> <p>Regards</p>	< 1 Business day
CC2585	Civil East Works	9:11/2019	8:06 PM	St Peters	Florence Street	Power outage	<p>Hi Community enquiries</p> <p>We're experiencing a 12+ hours of electricity outage in St Peters NSW according to Ausgrid. I've got \$100 worth of drinks I'm the fridge that will go to waste not to mention the incredible inconvenience and not being able to bathe my babies because there's no hot water..</p> <p>This all relates to the Wesconnex construction.</p> <p>I'd like to be compensated for this.</p> <p>Please advise next steps.</p>	<p>Hi XXX</p> <p>Thank you for your email, we will investigate. At this stage no connection has been established between the New M5 Project and the ausgrid service outage. The New M5 Project do not have any works happening this weekend.</p> <p>Kind regards</p>	< 1 Business day
CC2586	Civil East Works	10/11/2019	6:22 PM	St Peters	Brown Street	Footpath construction	<p>To whom it may concern,</p> <p>Please find attached video footage of work creating dust in St.Peters near Brown Street. The dust that residents have to deal with on a daily basis is dangerous and harmful to our health and safety. We are dealing with dust blowing into our homes every day. Dust mitigation measures are not being used.</p> <p>Residents should be provided with a service that comes and cleans the dust particles from outlet home. I have also included an image of what I</p>	<p>We received the video taken of the work area on Friday, emailed on Sunday.</p> <p>The area shown has now been spray sealed and has limited dust producing potential, sealing the top layer of the pavement.</p> <p>In relation to the temporary removal of on-street parking on Brown Street during the footpath work, we will not be restricting access to private driveways.</p> <p>Some residents using the Florence Street car park have had their private parking restricted by the temporary closure of the car</p>	> 1 Business day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g. - street/compound	Issue	Complaint description	Response	Response time 1 business day
							<p>clean from my shutters every day. We close our homes during work hours but dust still enters our homes.</p> <p>We are constantly being impacted by this project.</p>	<p>park behind the Town and Country Hotel. Currently all of the available spaces have been allocated to those who have temporarily lost their private parking due to the car park access closure.</p> <p>If any access keys for the car park on Florence Street become available during the footpath work and parking restrictions on Brown Street I will let you know.</p> <p>I will confirm the exact extend of the footpath rectification work outside your property.</p> <p>Kind regards</p>	
CC2587	Civil East Works	11/11/2019	9:48 AM	St Peters	Campbell St	Pedestrian detour	<p>Please clarify why the princes Highway eastern footpath work has blown out by a month (previously designated for completion end of October)?</p> <p>Its presenting an ongoing dangerous situation for pedestrians who are now forced to cross this busy highway illegally and from places where viewing is restricted.</p> <p>Some form of pedestrian access should be put in place if the work duration is being extended.</p> <p>I look forward to your response.</p>	<p>Hi XXX</p> <p>I understand your concern regarding the footpath, we do not recommend pedestrians to cross at the Princes Highway whilst the footpath is closed.</p> <p>Alternatively we have signage in place to direct pedestrians along the temporary pedestrian detour (see below) until the footpath can be reopened.</p> <p>We are aiming to have the footpath reopened on Saturday 23 November.</p> <p>We apologise for any inconvenience this is causing in the meantime.</p> <p>Best regards</p>	> 1 Business day
CC2588	Civil East Works	11/11/2019	11:35 AM	Mascot	Gardeners Road	Vibration	<p>Issue/Complaint: Caller would like to know how long the loud machinery noise will be going on for - it is shaking her building.</p>	<p>Hi XXX</p> <p>Just following from our conversation on the phone earlier. I apologise that you were disturbed by the vibration yesterday. The site team has completed the rolling work outside 566 Gardeners Road yesterday.</p> <p>There is no other planned rolling work in this location.</p> <p>Please let us know if you need anything further.</p> <p>Kind regards</p>	< 1 Business day

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CC2589	Civil East Works	11/11/2019	3:22 PM	St Peters	Hutchinson Street	Detours	Issue/Complaint: Caller advised received a notification and would like further information re traffic changes to Edgeware road and surrounding streets- caller declined to provide details	XXXe spoke to stakeholder, explained detour options for cyclists for upcoming night work on Bedwin Rd. Also complained about traffic control personnel not knowing what detour routes available, adv will ensure TCs have knowledge of upcoming detour routes. XXX also complained about global warming impacts of the project as Traffic control cars are left operating during the work, adv these are necessary for signage.	< 1 Business day
CC2590	Civil East Works	11/11/2019	3:46 PM	St Peters	Crown Street	Traffic detours	<p>Hi XXX,</p> <p>My partner XXX and I live in XX Crown St, St Peters .</p> <p>We are in 100% agreement with our neighbour XXXr who emailed you on Friday (see below) with her concerns about the dangers and hazards of the on-going traffic arrangements impacting on Crown St and Barwon Park Road.</p> <p>We run the gauntlet across the Princes Hwy almost every time we have to leave our home, via car, unless we want to turn left into the Princes Hwy. Usually we DON'T want to go that way, we want to head in the other direction. This is incredibly risky and without any KEEP CLEAR area to assist, crossing 3 lanes of the Princes Hwy and trying to merge into another 3 lanes of the Princes Hwy is extremely challenging and never feels safe.</p> <p>We've raised this before but nothing has happened.</p> <p>Also, cars are now doing crazy things at this junction of Barwon Park road and the Princes Hwy...I've seen on numerous occasions, cars travelling north on the Princes Hwy, taking a right hand turn into Barwon Park road (there isn't a right hand turn there but there's a gap in the median strip) and entering Barwon Park road in the lane which is mean ONLY for traffic exiting Barwon Park road. It's often chaos with workers arriving at the last minute for building sites (Westconnex related and a new apartment block being built).</p> <p>None of this is an exaggeration.</p>	<p>Hi XXX,</p> <p>As I have mentioned to XXX, I understand that the temporary detour is causing inconvenience, however there is no construction work on Barwon Park Road, and therefore facilitating two-way managed traffic at the intersection of Barwon Park Road and Campbell Street is not required.</p> <p>This current traffic configuration in place on Barwon Park Road is as per the projects final design.</p> <p>I am also aware of the difficulty of turning right onto the Princes Highway from Barwon Park Road. I believe that this has been raised with Roads and Maritime Services (RMS) in the past by residents in the area. As this is not within the scope of New M5 project there will not be any change made at this intersection as part of the project. RMS may carry out work in this location at a later stage.</p> <p>Once the work is complete this Wednesday, access to Campbell Street via Crown Street southbound will return.</p> <p>I apologise for any inconvenience.</p>	< 1 Business day

Complaint number	Type	Date received	Time received	Suburb complaint relates to	Location of complaint e.g.. - street/compound	Issue	Complaint description	Response	Response time 1 business day
							Can you please advise asap of what can be done to remedy the issues we've raised.		
CC2591	Civil East Works	11/11/2019	6:02 PM	St Peters	Crown Street	Traffic detours	Issue/Complaint: Please call re Traffic Controllers Cnr Crown St and Bowen Park Rd St Peters. Residents access only. Traffic controllers are onsite, change the street from a one way street to two way street with control access.	<p>Hi XXX</p> <p>I understand that you are frustrated with the current and ongoing road closures and construction work and the inconvenience it causes Crown Street and other local residents. Road pavement construction is scheduled to finish this afternoon at the intersection of Campbell Street and Crown Street will reopen to one-way southbound traffic.</p> <p>In the coming weeks we will be implementing some of the permanent final Project design traffic configuration on Campbell Street. This will involve installing the median strip on Campbell Street near Crown Street and Crown Street will revert back to its original preconstruction direction, one-way traffic northbound.</p> <p>Crown Street is required to be closed again for 1-2 days in January to lay the final top layer of asphalt road pavement. We will notify you ahead of this work.</p> <p>At project completion in early 2020, Crown Street residents will be able to exit north on Barwon Park Road, left turn to Princes Highway southbound, and a right turn to Campbell Street will be facilitated at the intersection. Crown Street residents will also be able to turn right from Princes Highway northbound to Campbell Street and then left turn in to Crown Street. I believe this will facilitate an easier route for you to and from Marrickville Metro.</p> <p>I apologise if my previous email seemed insensitive Sally – that was not at all my intention.</p> <p>I acknowledge that the ongoing work and temporary traffic changes put in place due to New M5 construction can cause great inconvenience to you and your neighbours. Traffic control personnel are required to be stationed at peak traffic flow times in areas where access has been restricted, such as at the intersection of Crown Street and Barwon Park Road.</p> <p>As you noted, the intersection of Campbell Street and Barwon Park Road has not been set up to allow for two-way traffic during the Crown Street road closure. There is a large volume of heavy vehicle movements on Campbell Street, a temporary two-way traffic set up in the area, backing traffic up on Campbell Street trying to enter via Barwon Park Road would not be safe for road</p>	> 1 Business day

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								<p>users. We have registered your complaint that some construction vehicles are exiting via Barwon Park Road to Campbell Street. This is illegal and unacceptable and is being addressed internally with the work crews.</p> <p>As I mentioned in my previous email, changing the intersection of Barwon Park Road and the Princes Highway is not within the scope of the New M5 Project design that we have been contracted to build. I do know that safety at this intersection has been flagged with Roads and Maritime Service and they are aware of the issues noted by local residents.</p> <p>New M5 project work is scheduled to be finished early next year, we are at the final stages of completion of work at Campbell Street.</p> <p>I am happy to meet to discuss these matter with you, please let me know when you are available and we can arrange a meeting.</p> <p>Kind regards</p>	
CC2592	Kingsgrove Surface Works	12/11/2019	2:30 AM	Beverley Hills	Booragul Road	Noise	Issue/Complaint: Roadworks going on tonight. Supposed to stop every hour on the hour to get respite for residents. Demanding for call to be placed to engineer in charge to have respite plan put in place.	<p>CDSJV called complainant who stated he did not want to talk or receive any call backs.</p> <p>Complaint was raised with EPA and advice given that works were as notified and no respite necessary</p>	> 1 Business day
CC2593	Civil East Works	13/11/2019	10:35 PM	Alexandria	Euston Road	Vibration	Issue/Complaint: Building is shaking due to construction going on around them (Caller advised they have not received any notice of construction works)	CDS JV called back stakeholder, adv vibration is from rolling which took place today. This work has now complete, no further rolling work will be scheduled. adv we will let them know of future works.	< 1 Business day
CC2594	Kingsgrove Surface Works	13/11/2019	5:04 PM	Beverley Hills	Allambie Crescent	Nightwork	Issue/Complaint: Caller wishing to talk to someone regarding the night works	<p>CDSJV spoke to stakeholder - wanted to know why 4 nights of night work have been scheduled. advised they have had ongoing night work since KGR upgrades and the noise from the highway has been disruptive as the trees have been removed. CDSJV adv area representative CDSJV, will call back tomorrow with information.</p> <p>14/11/2019 3:06 PM: CDSJV called and left voicemail for Maria to call him back.</p> <p>Maria called back @3:18 PM and has issues with landscaping from the St Georges Road upgrade works. CDSJV advised that those works were undertaken by Fulton Hogan and that she should contact Westconnex.</p>	< 1 Business day

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CC2595	Civil East Works	14/11/2019	10:56 AM	Mascot	Gardeners Road	Parking	Complaint re: vehicles parking in private business premises	CDSJV supervisor met with stakeholder on site. Two vehicles identified as potentially belonging to New M5 workers. Supervisor to place guard at car park 6am Fri 15 Nov to turn around any worker attempting to park in private property.	< 1 Business day
CC2596	Civil East Works	14/11/2019	4:01 PM	St Peters	Brown Street	Parking on new pavement	Issue/Complaint: Caller wanting to provide feedback re: paving laid down in St Peters for West Connex works. Caller advised the work done was very nice but wanting to suggest barriers be installed so vehicles can't park over it	CDS JV CDSJV advised not NewM5 workers parking on the new pavement, the car belongs to the owner of the pub and she is parking there temporarily whilst the car park access has been closed. CDSJV adv will ask XXX to park elsewhere.	< 1 Business day
CC2597	Civil East Works	15/11/2019	8:32 PM	Alexandria	Euston Road	Construction duration	When will this end! It's been 3 years since you ripped up the road outside our house and it's STILL fenced off and not landscaped. Get your act together	CDSJV responded to stakeholder to advise that Ausgrid has recently approved the removal of two Ausgrid light poles, which will allow for the final areas of road construction to be undertaken. The light poles are scheduled to be removed in late December 2019, and completion of the road construction is scheduled for February 2020. The final landscaping work will be undertaken following the completion of the road construction.	> 1 Business day
CC2598	Civil East Works	15/11/2019	7:56 PM	Alexandria	Euston Road	Pedestrian safety	Street Address: Euston Road cnr Sydney Park Road, Alexandria Issue/Complaint: Caller advised barricade fencing has been moved, allowing Pedestrians to walk through construction site as a detour. Pedestrians are able to touch items such as bins, wood and concrete forming materials whilst passing through the site. There is also a large light pole lying down on the ground. Need to re-establish correct thoroughfare as currently a Safety Risk for Pedestrians.	CDSJV spoke to resident who advised that barricade had been moved and that access across site was unsafe. Resident advised that barricade could be moved by hand and CDSJV agreed he would attend site and move barricade himself. CDSJV attended site at approx. 10:30 PM but could not find any issues with the barricades.	< 1 Business day
CC2599	Civil East Works	18/11/2019	9:21 AM	St Peters	Burrows Road	Driveway access	Issue/Complaint: Ongoing issue with WestConnex Truck blocking his driveway.	CDSJV visited Stakeholder at 30 Burrows Road to discuss the matter. A private vehicle was parked with the ute tray hanging over the private driveway. CDSJV explained that as this is a private vehicle, the Project have no way of moving it or identifying it as a Project worker's vehicle.	< 1 Business day
CC2600	Arncliffe	19/11/2019	8:21 PM	Arncliffe	Flora Street	Crane alarm	Issue/Complaint: Caller advised the crane wind alarm has been continually sounding for hours	CDS JV - spoke to stakeholder who complained about the noise sounding from the Crane due to the wind. CDSJV called night supervisor who was able to turn off the Crane.	< 1 Business day

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CC2601	Civil East Works	21/11/2019	5:43 PM	Mascot	Gardeners Road	Noise	Issue/Complaint: Calling to make a complaint about the noise occurring outside of his property at night, as he has a 2 month old child.	CDSJV - spoke to stakeholder - complaint regarding Gardeners Rd night work on 3 nights a week and he has a new born and is very distressed. CDSJV adv that work is compliant with the license and respite is offered for consecutive night work only. Stakeholder req matter to be raised and wants a call back from manager. CDSJV adv we will Call back next day.	< 1 Business day
CC2602	Kingsgrove Surface Works	22/11/2019	9:42 AM	Kingsgrove	Glamis Street	Dust	Hi With water restrictions, how do you propose we maintain our house, as the amount of dust is significantly worse than it has ever been? What can be done to address this issue?	CDSJV called Mrs XXX at 9:42 AM 22/11/2019. Resident frustrated with dust. CDSJV advised that all works should be completed by end of Jan 2020. Resident fine but just wants the works to finish. CDSJV said he would pass on frustratuion to site teams. No follow up action required.	< 1 Business day
CC2603	Civil East Works	22/11/2019	1:29 PM	St Peters	Silver Street	Footpath width	I'd like to make a complain about the narrowness of the footpath on the corner of a Bedwin and May st and the poorly placed electricity box. This will be a very busy corner. If two people have pusCDSJVhairs or a wheelchair coming opposite ways this is potentially very dangerous and definitely isn't safe enough to pass each other. It will push pedestrians very close to a busy filter lane. This is incredibly poor planning. I'll be happy to pass it on to media.	Hi XXX, Thank you for your email. The footpath in this area has been reinstated as per RMS approved specification, the footpath is 1.2m wide at its narrowest point. The footpath width is 1.7m along Unwins Bridge Road, 1.2m along the brick wall at the property and it becomes slightly wider than 1.2m as it moves around the corner onto Bedwin Road. In addition to the new footpath travelling towards the Bedwin Road bridge from Unwins Bridge Road, the existing footpath directly adjacent to the property will remain in place and is further away from live traffic. I cannot see an electricity box in the provided image. There is a street light footing, the new street light pole will be installed to replace the obsolete timber pole that was removed. It will be in the same location. This can be seen in the google maps image below from October 2017. The street light will be in place to light the area for the safety of both pedestrians and motorists. Kind regards	> 1 Business day
CC2604	Civil East Works	22/11/2019	4:29 PM	St Peters	Unwins Bridge Road	Relocation for night-work	Issue/Complaint: Caller advised received notice of prolonged night works for 22/23/24 & 25 Nov and would like to know why they haven't been offered respite.	CDSJV spoke to stakeholder, advised that work area is on Bedwin Rd, and they are not eligible in this instance.	< 1 Business day



Appendix D: Glossary of terms

Term / acronym	Definition
BMS	Blast Management Strategy
CEMP	Construction Environmental Management Plan
CoA	Minister's Conditions of Approval
CDS-JV	CPB Contractors, Dragados, and Samsung joint venture
CTP	Compliance Tracking Program
D&C	Design and construct
DP&E	NSW Department of Planning and Environment
EIS	Environmental impact statement
EMS	Environmental management system
ER	Environmental Representative
EP&A Act	<i>Environmental Planning and Assessment Act 1979</i>
EPA	NSW Environment Protection Authority
EPL	Environment protection licence
HARD	Historical Archaeological Research Design
Keystone	A web-based document management system that provides the primary document management application for CDS-JV on the project and will be used to manage correspondence, design documentation, electronic distribution and approval processes, records and identified records and quality documentation.
PCCR	Pre-Construction Compliance Report
PIRMP	Pollution Incident Response Management Plan
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
Project	WestConnex New M5 project
Project Company	WCX M5 AT
REMM	Revised environmental management measures, included in the Submissions and Preferred Infrastructure Report
Roads and Maritime	Roads and Maritime Services
SMC	Sydney Motorway Corporation, formerly WestConnex Delivery Authority
SH&E	Safety, Health & Environment
SPIR	Submissions [and Preferred Infrastructure] Report
SSI	State significant infrastructure

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Term / acronym	Definition
Synergy	<p>Synergy is a safety and environmental reporting application and consists of the following modules:</p> <ul style="list-style-type: none">• SHE Management – events including: incidents, near hits, report only, hazards, stakeholder contacts, regulatory visits, drug and alcohol positive tests• Metrics – work hours, number of people, environmental data such as materials, water, energy and wastes, etc. Campaigns can be tailored to drive specific lead indicators.• Compliance – general applicability, typically used to track conditions and aid in reporting <p>Actions – Assign and track actions.</p>
WCX	WestConnex
WCX M5 AT	Project company