RICHARD CROOKES
CONSTRUCTIONS

19th of January 2021

Sydney Metro
Level 43, 680 George Street
Sydney NSW 2000

Attention: Corridor Protection Team
Geoff Bateman Geoff.Bateman@transport.nsw.gov.au
Peter Gerard Bourke Peter.Bourke@transport.nsw.gov.au
Lauren McMahon & Jennifer Nguyen sydneymetrocorridorprotection@transport.nsw.gov.au

RE: Monte Sant' Angelo Mercy College - The Scientia Project - SSD 10393 - 128 Miller Street North Sydney

Dear Corridor Protection Team:

This is regarding conditions B1, B3, B7, B8, B9, C15 and C50 of the approved SSD 10393 outline below:

Rail Related Information for Sydney Metro

B1. Prior to the issue of construction certificate, the Applicant must submit the following information to Sydney Metro for review and endorsement:

(a) a revised Numerical Modelling Report, confirming that the impacts are still acceptable when the detailed foundation layout and loads are available.

(b) demolition, excavation and construction methodology and staging.

(c) a construction methodology which includes construction details pertaining to structural support during excavation.

(d) machinery likely to be used during excavation and construction.

(e) cross sectional drawings showing the rail corridor, sub soil profile, proposed basement excavation and structural design of sub ground support adjacent to the rail corridor. All horizontal and relative level (RL) measurements are to be verified by a Registered Surveyor.

(f) a detailed Survey Plan showing the relationship of the proposed development with respect to the rail corridor boundary and any rail infrastructure (land and/or easements). The survey is to be undertaken by a registered surveyor.

(g) the common property boundary between the development site and the rail corridor and any Sydney Metro easements, pegged out by a registered surveyor, to ensure that there is no encroachment by the development. A copy of the survey report indicating the location of pegs must be provided to Sydney Metro prior to the commencement of works.

(h) a services search to establish the existence and location of any rail services and provide the results to Sydney Metro.

(i) unless otherwise agreed by Sydney Metro, a Risk Assessment / Management Plan and detailed Safe Work Method Statement (SWMS) which details any impacts on the rail corridor; and

(j) unless otherwise agreed by Sydney Metro, a Track (and/or ground vibration) Monitoring Plan which details the instrumentation and the monitoring regime to be used during the excavation and construction phases.

B3. Prior to the issue of any relevant construction certificate the Applicant must contact Sydney Metro's Corridor Protection Team to determine the need for public liability insurance cover and the level of insurance required.

B7. Amended Acoustic Report and Treatments
Prior to the issue of the construction certificate, the DA Acoustic Report Revision E dated April 2020 and addendum dated 23 July 2020 prepared by Wilkinson Murray must be amended to include:

(a) an assessment against the relevant provisions of State Environmental Planning Policy (Infrastructure) 2007, as the property adjoins a future rail corridor;
(b) an assessment of the impact levels of the proposal on Sydney Metro infrastructure addressing the requirements of the Sydney Metro Underground Corridor Protection Guidelines;
(c) the details of compliance of the building in accordance with Development Near Rail Corridors and Busy Roads - Interim Guidelines (Department of Planning 2008) and the Sydney Metro At Grade Elevated Sections Corridor Protection Guidelines;
(d) demonstration that the development can be designed and constructed to avoid any damage or other interference due to airborne noise, ground borne noise and vibration effects due to the rail corridor, during the rail construction and future operation;
(e) any impacts of vibration due to the adjoining rail corridor in accordance with Development Near Rail Corridors and Busy Roads - Interim Guidelines (Department of Planning 2008);
(f) acoustic treatments that would ensure that the recommended internal noise levels within the learning areas of the proposed building are achieved; and
(g) any additional treatment to ensure that the noise and vibration impacts due to the rail corridor are appropriately mitigated.

B8. The construction certificate plans must demonstrate that the recommended measures in DA Acoustic Report Revision E dated April 2020 and addendum dated 23 July 2020 prepared by Wilkinson Murray, as revised by condition B7, have been incorporated in the design of the building to prevent noise and vibration intrusion into the development due to the adjoining rail corridor.

B9. A suitably qualified Acoustic Consultant must certify that the construction certificate plans comply with condition B7. A copy of this certification must be submitted to the Certifier for their information.

C15. The Construction Noise and Vibration Management Sub-Plan (CNVMSP) must address, but not be limited to, the following:

(a) be prepared by a suitably qualified and experienced noise expert;
(b) be prepared in consultation with Sydney Metro;
(c) be consistent with the recommended measures within DA Acoustic Report Revision E; dated April 2020 and addendum dated 23 July 2020 prepared by Wilkinson Murray in relation to construction noise and vibration management;
(d) describe procedures for achieving and complying with the noise management levels in EPA's Interim Construction Noise Guideline (DECC, 2009);

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(e) describe the measures to be implemented to manage high noise generating works such as piling, in close proximity to sensitive receivers;

(f) include strategies that have been developed with the community for managing high noise generating works;

(g) describe the community consultation undertaken to develop the strategies in condition C15 (f);

(h) describe details of noise mitigation measures installed to ensure that the students and users of the school are not impacted by the construction noise;

(i) include a complaints management system that would be implemented for the duration of the construction; and

(j) include a program to monitor and report on the impacts and environmental performance of the development and the effectiveness of the management measures in accordance with condition C15(f).

Works Within Sydney Metro's Property

C50. Prior to the issue of a construction certificate, evidence (including written confirmation from Sydney Metro) must be submitted to the satisfaction of the Certifier demonstrating that:

(a) no rock anchors, rock bolts, ground anchors or rock ties, piles, foundations, rock pillars, transfer structures, basement walls, slabs, columns, beams, cut rock faces are planned to be installed in the rail corridor, within Sydney Metro property or easements; and

(b) no work is proposed within the rail corridor, or any easements which benefit Sydney Metro, at any time.

Please refer to the below table addressing each conditions with a report or documentation provided for your review, approval and endorsement. See Appendix A Document Transmittal.

Requirement	*Reference*
B1. (a) a revised Numerical Modelling Report, confirming that the impacts are still acceptable when the detailed foundation layout and loads are available;	• Numerical Report Rev 1 – 27.11.21 by Douglas Partners
(b) demolition, excavation and construction methodology and staging;	• Structural Engineering Design and Impact Assessment Report For Sydney Metro by Webber Design • RCC CMP Demolition and Excavation Near Sydney Metro Corridor
(c) a construction methodology which includes construction details pertaining to structural support during excavation;	• Geotechnical Investigation Report Rev 02 by Douglas partners • Structural Engineering Design and Impact Assessment Report For Sydney Metro by Webber Design by Richard Crookes • Demolition and Excavation work Plan
(d) machinery likely to be used during excavation and construction;	• Demolition and Excavation work Plan

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Requirement	***Reference***
(e) cross sectional drawings showing the rail corridor, sub soil profile, proposed basement excavation and structural design of sub ground support adjacent to the rail corridor. All horizontal and relative level (RL) measurements are to be verified by a Registered Surveyor;	• Structural Engineering Design and Impact Assessment Report For Sydney Metro by Webber Design. • Survey Plans and Sections Survey 192082_A Rev 3 by Total surveyors
(f) a detailed Survey Plan showing the relationship of the proposed development with respect to the rail corridor boundary and any rail infrastructure (land and/or easements). The survey is to be undertaken by a registered surveyor;	• Survey Plans and Sections Survey 192082_A Rev 3 by Total surveyors
(g) the common property boundary between the development site and the rail corridor and any Sydney Metro easements, pegged out by a registered surveyor, to ensure that there is no encroachment by the development. A copy of the survey report indicating the location of pegs must be provided to Sydney Metro prior to the commencement of works;	• Survey and statement letter by Total surveyors
(h) a services search to establish the existence and location of any rail services and provide the results to Sydney Metro;	• Survey and statement letter by Total surveyors
(i) unless otherwise agreed by Sydney Metro, a Risk Assessment / Management Plan and detailed Safe Work Method Statement (SWMS) which details any impacts on the rail corridor; and	• Demolition and Excavation Management Plan includes Risk Assessment and Safe Work Method Statement (SWMS)
~~(j) unless otherwise agreed by Sydney Metro, a Track (and/or ground vibration) Monitoring Plan which details the instrumentation and the monitoring regime to be used during the excavation and construction phases.~~	• Sydney Metro advise that this item is not required
B3 Public liability insurance	• Certificate of Placement – Third Party Liability for $20M to Sydney Metro
B7, B8 and B9	• Amended Acoustic report and treatments by RWDI (former Wilkinson Murray)
C15 Construction Noise and Vibration Management Sub-Plan	• CNVMP by RWDI (former Wilkinson Murray)
C50 Works Within Sydney Metro's Property	• Structural Engineering Design and Impact Assessment Report For Sydney Metro by Webber Design

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We also understand that Sydney Metro has confirmed the following conditions are not applicable to the project:

- C45
- D13
- E32

Yours faithfully,

RICHARD CROOKES CONSTRUCTIONS PTY LIMITED

Katherine Barrionuevo, Design Manager

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Mobile 0428 972 865
Level 3, 4 Broadcast Way, Artarmon NSW 2064
www.richardcrookes.com.au

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APPENDIX A- DOCUMENT TRANSMITTAL

Doc. No	Discipline	Title	Revision	Date
73019.04	Geotechnical	Report on Numerical Modelling by Douglas Partners	01	27.11.20
73019.03	Geotechnical	Report on Geotechnical Investigation by Douglas Partners	02	25.02.20
WD19133	Structural	Structural Engineering Design And Impact Assessment Report For Sydney Metro by Webber Engineering		15.01.21
192082	Survey	Plan Showing Detail & Levels Over Lot 1 Dp104072, Lot A & B Dp339358, Lot 4-9 & Lot 11 Dp 5030 & Lot1-8 Dp262534 – (Sheet 1-8) by Total Surveyors	03	24.12.20
	Demolition & Excavation	Demolition and Excavation Work Plan and Safe Work Method Statement - Ace subcontractors	02	07.01.21
	Acoustics	Wilkinson Murray Memorandum and Amended Acoustic Report	01	20.12.20
	Acoustics	Noise and Vibration Management Plan by Wilkinson Murray	A	13.01.21
	Hazardous materials	Asbestos Management Plan by Coffey	01	15.01.21
	Demolition & Excavation	Construction Management Plan for Demolition and Excavation near Sydney Metro assets by Richard Crookes	02	19.01.21