

Mr Rob Sherry
Team Leader Compliance – Government Projects
Department of Planning Industry and Environment
GPO Box 39
SYDNEY NSW 2001

6 April 2020
Ref: 170108-ER-DPIE-TSE-MP-VC-20

Dear Rob

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for March 2020 – TSE , Martin Place ISD, Victoria Cross ISD

Healthy Buildings International (HBI) submits this report to the Secretary in accordance with:

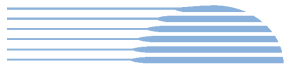
- Condition A24 (I) of the Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 Approval (9 January 2017) and associated modifications MOD1_Victoria Cross and Artarmon (18 October 2017), MOD2_Central Walk (21 December 2017), MOD4_Sydenham Station and Metro Facility South (13 December 2017), MOD 3_ Martin Place Metro Station (22 March 2018), MOD5_Blues Point Acoustic Shed (2 November 2018), and MOD6_Administrative Changes (21 February 2019); and
- As required by the subsequent appointment as the approved Environmental Representative (17 February 2017);

The attached summary details the key activities undertaken by Environmental Representatives for Sydney Metro – City and South West Chatswood to Sydenham during the month of **March 2020**.

Yours sincerely

Michael Woolley
Environmental Representative

Cc: Sydney Metro: Fil Cerone, Matt Marrinan, Ben Armstrong, Hugh Chapman, Adam Koutsamanis, Pam Tummers, Ann Paterson,
Contractors: Rob Muir (JHCPBG), Jason Ambler (LL)
DPIE: Elizabeth Williamson, Alice Pryke, Erica Van Den Honert
CC IEA: Larry Weiss, Julie Dickson



Summary of Contract Packages	Environmental Representative/s
Tunnel and Station Excavation (TSE)	Michael Woolley
Martin Place Unsolicited Proposal USP/ISD Macquarie Bank/Lend Lease	Michael Woolley/Jo Robertson
Victoria Cross ISD (VC-ISD) - Lend Lease	Michael Woolley/Jo Robertson
Crows Nest ISD – Sydney Metro	Michael Woolley
Key Construction Activities	
TSE	<p>Chatswood:</p> <ul style="list-style-type: none"> ▪ Works in the dive continuing including wall construction for future plank installation. ▪ Grout plant removed and shed cleaned as part of tunnelling demobilisation. ▪ Water treatment plant operation. <p>Chatswood NCW:</p> <ul style="list-style-type: none"> ▪ Brand Street works - wall support completed. RISI fence constructed in the rail corridor during a weekend possession. ▪ Road access in use for Laing O’Rourke (LOR) works to the north of Mowbray Bridge. Preparation for painting of retaining wall. ▪ Construction of a piling pad using a vibratory roller adjacent Nelson Street in the rail corridor. <p>Victoria Cross North site:</p> <ul style="list-style-type: none"> ▪ Ongoing works in the cavern including concrete lining and formwork. ▪ Hammering of base of shaft. ▪ Stockpiling and load out of spoil by trucks ongoing. ▪ Water treatment plant operation. Concrete deliveries for concrete pours. <p>Victoria Cross South site:</p> <ul style="list-style-type: none"> ▪ Demolition of the acoustic shed completed. ▪ Preparation for piling works. ▪ Excavation of sandstone using rock hammer. ▪ Support activities. <p>Blues Point Temporary:</p> <ul style="list-style-type: none"> ▪ TBM retrieval works from Chatswood complete. ▪ Removal of Sydney Harbour TBM. <p>Barangaroo Station:</p> <ul style="list-style-type: none"> ▪ TBM 5 completed tunnelling and broke-through at Blues Point on 16.3.2020. ▪ Commencement of Slurry and grout plant decommissioning. ▪ Lining of station box ongoing, and laying of concrete base. ▪ Piling anchors in the shark’s fin area. <p>Martin Place Station-South:</p> <ul style="list-style-type: none"> ▪ Ongoing excavation of the pedestrian adit pillar supports; removal of spoil using kibble and crane. Installation of concrete for wall and roof support. ▪ excavation of shaft to the ESR using small roadheader (24/7 operation) with scrubber unit. <p>Pitt Street North:</p> <ul style="list-style-type: none"> ▪ Ongoing excavation of sandstone and installation of wall supports. ▪ Tunnel lining support. ▪ Hoarding installation commenced along Park Street <p>Pitt Street South:</p> <ul style="list-style-type: none"> ▪ Ongoing excavation of sandstone and wall support. ▪ Construction of shear wall ongoing. <p>Waterloo</p> <ul style="list-style-type: none"> ▪ Cross passage works ongoing and supported from Waterloo. ▪ Excavation of the concrete base and removal of waste concrete. <p>Marrickville dive site:</p> <ul style="list-style-type: none"> ▪ Ongoing excavation in the dive. ▪ WTP operational.

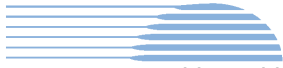


	<ul style="list-style-type: none"> ▪ Spoil generation, stockpiling and load-out. ▪ Ongoing Transgrid works, including bridge construction over HV cabling. ▪ Shed demolition complete. ▪ Ongoing demobilising of tunnelling support sites such as workshops and the grout plant. Some piling works by LineWide contractors. <p>Marrickville precast facility/stabling yard</p> <ul style="list-style-type: none"> ▪ Concrete slab removal ongoing. ▪ Piling along the side of the culvert completed east of the former shed and moved to north of the former shed. Management and removal of scrap materials. ▪ Pre-cast facility demolished including the Boral batch plant. ▪ Bulk earthworks for stabling yard and culvert construction underway.
MP – USP/ISD	<ul style="list-style-type: none"> ▪ Ongoing excavation of sandstone. ▪ Installation of a tower crane. ▪ Underpinning works under 50 Martin Place
VC-ISD	<ul style="list-style-type: none"> ▪ Utility related works – Out of Hours.
CN-ISD	<ul style="list-style-type: none"> ▪ No works undertaken.
ER Inspections	
TSE	<p>Weekly inspections continued of the sites under the management of the TSE contractor up until 17 March 2020. There were three inspections carried out up to this date. Issues identified during the inspections: included:</p> <ul style="list-style-type: none"> ▪ NCW Brand Street –Remove sediment from within drain; repair sections of damaged sediment fence; place recently delivered paint containers into secondary containment; and clarification of the project design for the access road adjacent the works. ▪ Marrickville Dive Site – Remove built up sediment from around drain near Railway Parade; spill from hammer attachment on culvert bridge; use of tonal movement alarm on an EWP; loose dirt on internal haul roads, spilt spoil to be placed back into stockpile; water pumping from chemical containment bunds. ▪ Marrickville Precast/ Stabling Yard – staining at site exits ▪ Barangaroo –minor leak of sediment laden water to wharf; removal of degraded sandbag; and oil drums to be banded. Compressed air was observed bubbling through sediment laden water adjacent Hickson Road. JHCPBG issued a “Near hit” report for this event. ▪ Waterloo – Hardstand near skip bins to be swept. <p>Various notes were made in the inspection reports reflecting commitments made by the JHCPBG and risks identified during inspections. ER Inspection reports for the inspections to 17 March were prepared and issued to Sydney Metro and the TSE Contractor.</p> <p>Prior to the scheduled ER Inspection on 24 March, JHCPBG informed the ER that site access was no longer going to be provided for the ER due to risk management measures in relation to COVID-19 and no inspection was held during this week.. As agreed for trialling, in the place of the ER inspection previously planned for 31 March, JHCPBG conducted a site inspection and prepared an inspection report (for sites located to the South of the project only – as was planned in the ER Inspection schedule). The report was issued to the ER and Sydney Metro as a Draft on 31 March 2020. A virtual conference meeting between JHCPBG, Sydney Metro and the ER was held on 31-March to go through the report, with JHCPBG environmental personnel providing details on the status of works; environmental risks and actions identified during the inspection; and responded to questions and enquiries from the ER and Sydney Metro. JHCPBG then updated the report following the feedback and a final report was issued to the ER on 1 April 2020. The report covered the close out of pre-existing ER Actions (where agreed to by the ER based on evidence provided and discussed during the video conference).</p> <p>Further to this, the ER conducted an inspection of the Northern and city sites from outside the project boundary on 30 March 2020. Issues identified through this process were communicated to JHCPBG and Sydney Metro by email on 30 March 2020. No formal report was generated by this inspection process.</p> <p>Going forward JHCPBG note that access will continue to be restricted for ER site inspections and</p>



	plan to continue with the current reporting and video conference approach. The ER will continue to conduct inspections from outside the project boundary to augment the TSE Contractor inspections; however these will not be to a specific schedule. It is acknowledged that management of COVID-19 risks is a fluid situation and that the ER will continue to work with Sydney Metro and the TSE Contractor to establish suitable alternative arrangements to the previous ER Site Inspection process.
MP – USP/ ISD	There was one inspection carried out on 5 March 2020 of Martin Place North. No new issues were identified during the inspection. Various notes were made in the inspection report. An ER Inspection report was prepared and issued to Sydney Metro and the MP-ISD Contractor. As above, post this inspection, Lendlease also moved to restrict access to the Martin Place North site in response to risks related to COVID-19. Lendlease are working to provide an alternative approach to the inspections, however, this has not been developed to date. It is noted that there remains a time lapse camera that covers the site; hence site activities can have some limited review through this process.
VC-ISD	Nil Inspections conducted.
CN-ISD	Nil Inspections conducted.

Endorsed Document/s	
Sydney Metro	<ul style="list-style-type: none"> ▪ OOHW49 CCTV Utilities investigations around MP by RPS
TSE	<ul style="list-style-type: none"> ▪ SEP for Waterloo Station to include sewer LAUWs ▪ Revised SEP for Martin Place (Sewer investigations Rev 7) ▪ Revised SEP for Chatswood (Rev 7) ▪ Pitt Street SEP Rev 9 ▪ CTR Q4 2019
USP/ ISD- Martin Place	<ul style="list-style-type: none"> ▪ OOH 29 Bulk Excavation extension of hours ▪ OOH 31 Sheet Pile wall construction ▪ OOH 33 Building Monitor Installation ▪ CTR Q4 2019
VC - ISD	<ul style="list-style-type: none"> ▪ Nil this reporting period
CN - ISD	<ul style="list-style-type: none"> ▪ Nil this reporting period. Review of Minor Works Application for Site Establishment
Complaints / Incidents / Non-compliance	
TSE	<p>It is understood that Sydney Metro has been providing summaries of complaints to DPIE daily. Responses to each complaint have been noted in each complaint report provided to the ER, with follow up actions often defined in revised reports.</p> <p>A high number of complaints were recorded in relation to construction of a piling pad in the rail corridor in Chatswood using a vibratory roller. Some complainants were new to the project and were impacted due to being at home due to social distancing requirements for COVID 19.</p> <p>There were no incidents reported by JHCPBG as defined by the project approval definition for incidents under condition A41.</p>
USP/ ISD- Martin Place	<p>No complaints were reported to the ER that related to the MP-ISD project.</p> <p>There were no incidents reported by Lend Lease as defined by the project approval definition for incidents under condition A41.</p> <p>Lendlease advised the ER that vibration levels at 50 Martin Place reached 9mm/s at the vibration monitor on 19 March, exceeding the 7.5mm/s screening criteria. It is understood that LendLease stopped excavation work and adopted alternative methods.</p>
Sydney Metro	<p>Complaints received for Sydney Metro works are included in complaint summaries provided to DPIE daily.</p> <p>There were no incidents reported by Sydney Metro for Sydney Metro conducted works as defined by the project approval definition for incidents reported to DPIE under condition A41.</p>



Audits (specific to TSE, MP ISD , and VIC ISD only)	
The following audits relevant to this report, were conducted during the period:	
<ul style="list-style-type: none"> ▪ Nil Audits conducted 	
Looking Forward – Core Focus Areas	
TSE	<ul style="list-style-type: none"> ▪ Vibration impacts at Northern Corridor Works ▪ Increased daytime impacts on residents working from home due to COVID-19..
MP – USP/ ISD	<ul style="list-style-type: none"> ▪ Management of noise, vibration and dust during bulk excavation activities
VC - ISD	<ul style="list-style-type: none"> ▪ Nil
CN - ISD	<ul style="list-style-type: none"> ▪ Nil

Statement of Limitations

Healthy Buildings International (HBI) has prepared this report in accordance with the requirements of Condition A24(l) of the Sydney Metro Conditions of Approval (CSSI15_7400). The report is for the sole purposes of Department of Planning Industry and Environment (DPIE) and Sydney Metro. It has been prepared based on generally accepted practices and standards at the time it was prepared. No other warranty, expressed or implied, is made as to the professional advice included in this Report. This report did not assess any aspects relating to safety.

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