

Stacy Warren
Director Infrastructure

24 October 2017
Ref: 170108-ER-DPE-TSE-Sep 17

Department of Planning and Environment
GPO Box 39
SYDNEY NSW 2001

Dear Stacy

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for September 2017 – TSE Contract

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
- 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 **September 2017**.

Yours sincerely



Michael Woolley
Environmental Representative

Cc: Sydney Metro: Fil Cerone, Matt Marrinan, Ben Armstrong, Stuart Hodgson, Nicole Williams, Adam Koutsamanis, Caitlin Richards (JHCPBG)
DPE: Swathi Sharma, Rob Sherry



Summary of Contract Packages	Environmental Representative/s
Demolition and Tunnel and Station Excavation (TSE)	Michael Woolley
Alternate	Jo Robertson / Annabelle Reyes

Key Construction Activities	
Demolition and TSE	<p>Works conducted in September 2017 at the following sites are summarised below:</p> <p>Chatswood:</p> <ul style="list-style-type: none"> ➤ Demolition of buildings and removal of material ➤ Demobilisation of demolition contractor ➤ Alterations to boundary fencing ➤ Undertaking service, geotechnical and contamination investigations ➤ Removal hazardous materials using a licensed contractor ➤ Geotechnical investigation at Gordon Avenue. ➤ Service investigations and removal of redundant power poles at Pacific Highway, Mowbray Road, Hampden Road and Nelson Street <p>Crows Nest:</p> <ul style="list-style-type: none"> ➤ Survey and soil testing ➤ Disconnecting building services and establishing temporary service connections such as water and electricity ➤ Safe removal of hazardous materials using a licensed contractor ➤ Removal of internal walls ➤ Installation hoarding and scaffolding at the perimeter of the site ➤ Structural demolition ➤ Delivery of equipment to site and removal of demolition materials ➤ Surveys and geotechnical drilling in the road and temporary lane and footpath closures at Clarke Lane (north of Hume Street) <p>Victoria Cross:</p> <ul style="list-style-type: none"> ➤ Removal of internal fixtures and fittings ➤ Installing hoarding and site fencing around the perimeter of the site ➤ Installation of scaffolding around the buildings ➤ Lifting equipment to and from the rooftop with a mobile crane, lowering materials to the ground in bins using a mobile crane, transferring materials to ground level via an internal chute, and removal of materials by truck at 181 Miller Street and 189 Miller Street ➤ Structural demolition of existing buildings at 155, 181 and 189 Miller Street ➤ Surveys and geotechnical drilling in the road and temporary lane and footpath closures at Miller Street and Denison Street (just south of Berry Street) ➤ Surveys and geotechnical drilling in the road and temporary lane and footpath closures at Corner of Miller Street and McLaren Street <p>Pitt Street:</p> <ul style="list-style-type: none"> ➤ Pitt Street Station north site: Pitt Street / Park Street /Castlereagh Street <ul style="list-style-type: none"> ○ Removing internal fittings and fixtures in recently closed buildings on Park Street and Pitt Street ○ Removing awnings and installing scaffolding and hoarding around the site ○ Ongoing structural demolition works and removal of materials from 175 Castlereagh Street ○ Waterproofing exposed walls of building adjacent 175 Castlereagh Street ➤ 294-308 Pitt Street, 203 Castlereagh Street, 211-217 Castlereagh Street <ul style="list-style-type: none"> ○ Geotechnical investigations under the road surface involving a truck mounted drill rig



	<ul style="list-style-type: none"> ○ Temporary lane and footpath closures <p>Martin Place:</p> <ul style="list-style-type: none"> ➤ Continued demolition of buildings and removal of material ➤ Disconnecting building services and establishing temporary service connections ➤ Removing internal fixtures and fittings ➤ Continued installation of scaffolding around the site ➤ Safe removal of hazardous materials using a licensed contractor ➤ Decommissioning internal lift shafts ➤ Delivery and removal of oversized plant from site ➤ Utility and geotechnical investigations will be undertaken on Phillip Street near Chifley Square <p>Waterloo:</p> <ul style="list-style-type: none"> ➤ Removal of internal fixtures and fittings, including internal walls ➤ Installation of hoarding and scaffolding at the perimeter of the site ➤ Demolition of internal walls and roofing ➤ Survey and geotechnical investigations ➤ Geotechnical investigations including site set up, temporary removal of on-street parking and use of a truck mounted drill rig at Hiles Street, Alexandria <p>Marrickville:</p> <ul style="list-style-type: none"> ➤ Removal of internal fixtures and fittings, including internal walls; Demolition of external wall structures and roofing; Installing perimeter fencing; Surveying and condition surveys ➤ Geotechnical investigations and survey works ➤ Site establishment for tunnelling worksite and precast facility, including establishing environment controls ➤ Delivery of materials and construction equipment ➤ High voltage electrical works including trenching, installing new power poles and bundling overhead cables at Edinburgh Road, Railway Parade and Bedwin Road
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ER Inspections	
Demolition and TSE	<p>Weekly inspections continued under the management of the TSE contractor for the demolition sites. It is anticipated that generally each site will be inspected every second week at this stage of the project.</p> <p>Sites inspected in September 2017 comprised:</p> <ul style="list-style-type: none"> ➤ Victoria Cross – 12/9/17, 26/9/17 ➤ Chatswood – 12/9/17, 26/9/17 ➤ Crows Nest – 12/9/17, 26/9/17 ➤ Martin Place – 5/9/17, 19/9/17 ➤ Pitt Street – 5/9/17, 19/9/17 ➤ Waterloo – 5/9/17, 19/09/17 ➤ Marrickville – 5/9/17, 19/09/17 <p>ER Inspection reports have been prepared and issued to Sydney Metro and TSE Contractor. Actions identified during inspections related to parking, bobcat with tonal beeper, ERSED controls; debris/dust management; storage of fuels and chemicals and implementation of monitoring actions required within the CEMP. These actions were assessed as minor to moderate risk and have been closed out during subsequent inspections.</p>



Endorsed Document/s	
TSE	<p>The following TSE documents were reviewed and endorsed by the ER with the assistance of alternate ERs with comments provided to the TSE Contractor and Sydney Metro during September 2017:</p> <ul style="list-style-type: none"> ➤ OOHs for drilling borehole in Liverpool street ➤ Site Environmental Plan (SEP)- Barrangaroo Rev 3 ➤ Construction Flora and Fauna Management Plan Rev 3 ➤ Construction Air Quality Management Plan Rev 2 ➤ SEPs for geotech at Pitt Street South; Martin Place; VC South ➤ Design Investigation Risk Assessment Rev 5 ➤ SEP 001 Bligh Street ➤ OOHW Bligh Street Sewer Investigation works ➤ SEPs for Geotech at MP and PS ➤ SEPs for Geotech at WL rev 04 and PS Rev 3 ➤ SEP CH005 for Utility Contamination Assessment and MV footings ➤ CNVIS Site Establishment works Rev 5 ➤ Initial Site Establishment Risk Assessment Rev 2 ➤ Pre-CEMP SEPs for CN, MA, and CH ➤ Construction Traffic Management Framework II <p>Others</p> <ul style="list-style-type: none"> ➤ ER endorsement of Staging report 1.2 ➤ Review Sydney Metro - Request for Administrative mods and A6 clarifications - response from DPE ➤ Tree Impact Assessment Report for Demolition Sites - Sydney Metro City & Southwest, Revision H dated 14 September 2017 <p>Consistency Assessments:</p> <ul style="list-style-type: none"> ➤ Consistency Assessment - Barangaroo Additional Land ➤ Consistency assessment - integrated station design to support over station design (OSD) - Crows Nest ➤ Consistency assessment - integrated station design to support OSD - Victoria Cross (South) ➤

Non-compliance/ Incidents / Complaints	
TSE	Nil
Demolition	<p>The following complaints were received at the following sites:</p> <ul style="list-style-type: none"> ➤ Marrickville – worker behaviour on 12/09/17, potential business impact on 14/09/17, Air quality, signage on 21/09/17, dust on 22/09/17, traffic on 25/09/17 ➤ Crows Nest - Out of hours work on 2/09/17, noise on 11/09/17, noise on 12/09/17, community notification on 14/09/17, traffic on 26/09/17 ➤ Waterloo - Objection to OOH works on 4/09/17 ➤ Victoria Cross - Change to work program on 4/09/17, Noise on 5/09/17, Traffic on 11/09/17, property impact on 12/09/17, noise and vibration on 21/09/17, work hours on 22/09/17 ➤ Pitt Street - Noise and vibration on 11/09/17 ➤ Chatswood - Property impact on 11/09/17 <p>The Complaint at Crows Nest on 2 September related to out of hours works where construction activities commenced prior to standard construction hours and, emergency works were required after 1pm. The complaint report provided by the TSE contractor nominated the event as comprising non compliance against Condition E47 and additionally, Condition A24(d) as the demolition contractor commenced work prior to receipt of ER endorsement for the CNVIS. The associated</p>



	<p>action, a Toolbox on the Crows Nest CNVIS OOHW protocol including emergency procedures that was to be given to workers at Crows Nest has been closed out. It is understood that Sydney Metro communicated this event to DPE.</p> <p>On 22 September 2017 TSE reported that emergency works were required to complete works at Victoria Cross due to a maintenance issue with a crane. Sydney Metro and the ER were notified and works were completed by 6:30pm. A complaint was received regarding noise and hours of works. TSE noted that works post 6pm were not noisy.</p> <p>On 26 September a complaint was received in relation to trucks parking outside a Childcare Centre near the Crows Nest site. An update of the complaint report was provided on 4 October that identified the event as a non compliance with the Construction Traffic Management Plan (CTMP) This event has been recorded as a non-compliance with Project Planning Approval Condition E82. TSE reported it was the truck driver's first day on the Project and he was counselled on requirements and a memo was sent to all drivers accessing Crows Nest to reiterate approved routes.</p> <p>It is understood that Sydney Metro has been providing summaries of complaints to DPE.</p> <p>There were no incidents as defined by the project approval definition for incidents reported or observed by the ER during the period or reported to DPE under condition A41.</p>
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Audits	
TSE	Nil
Demolition	Nil

Looking Forward	
Demolition and TSE	<p>Demolition activities are complete at Chatswood and the site has been handed over to the TSE Contractor. Demolition activities are close to complete at Marrickville and the site has been partially handed over to the TSE Contractor. Hence at these sites, TSE Initial Site Establishment activities will commence in these locations in October under the Environment Protection Licence No. 20971 issued on 28 September 2017. At other locations, demolition under the novated Demolition contracts and TSE Investigation works will continue and some initial site establishment activities commence subject to site access and approvals.</p> <p>It is noted that DPE has identified that dust will be a focus of compliance activities across all SSI projects in Sydney. This has been communicated to Sydney Metro and the relevant contractors. Demolition works have been completed at the Chatswood site, and largely completed at the Marrickville site, reducing the challenges of dust management at these locations. ER Inspections will continue to monitor dust management at all sites.</p>