

Stacy Warren  
Director Infrastructure

24 October 2017  
Ref: 170108-ER-DPE-TSE-Aug 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 August 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 **August 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: 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 at the following sites are summarised below:</p> <p><b>Chatswood:</b></p> <ul style="list-style-type: none"> <li>➤ Installation of shade cloth and upgrading fencing</li> <li>➤ Structural demolition of existing buildings and removal of materials</li> <li>➤ Installation of hoarding and scaffolding</li> <li>➤ Removal of trees and trimming vegetation</li> <li>➤ Service investigation works</li> <li>➤ High voltage and low voltage works</li> <li>➤ Visual inspections, drilling for geotechnical investigations, heritage investigations and soil testing within the site and in Gordon Avenue</li> <li>➤ Decommissioning of substation which was located at the southern end of the site near Mowbray Road conducted under an approved out of hours work on 23-24 August 2017.</li> </ul> <p><b>Crows Nest:</b></p> <ul style="list-style-type: none"> <li>➤ Established site amenities including site offices,</li> <li>➤ All buildings - visual inspections, surveys, drilling for geotechnical investigations and soil testing within the site, established environmental and safety controls, service investigation works, disconnecting building services and established temporary service connections such as water and electricity, removal of internal fixtures and fittings, safe removal of internal hazardous materials using a licensed contractor, installation of fencing and scaffolding at the perimeter of the site and minor construction activities to prepare buildings for demolition.</li> <li>➤ Capping of contaminated ground using a licensed contractor at 477-495 Pacific Highway</li> <li>➤ Hoarding works and removal of awnings commenced during the last week of August 2017.</li> </ul> <p><b>Victoria Cross:</b></p> <ul style="list-style-type: none"> <li>➤ Removal of hazardous materials using a licensed contractor, removal of internal fixtures and fittings (soft strip out), installation of hoarding and site fencing around the perimeter of the site, installation of scaffold around the buildings, minor construction activities to prepare buildings for demolition.</li> <li>➤ Lifting equipment and plant to the rooftop of 181 Miller Street building using a mobile crane located in the Tower Square area, and installation of an external hoist lift to allow workers access to upper floors at 181 Miller Street.</li> <li>➤ Ongoing structural demolition of existing buildings at 155, 181 and 187 Miller Street</li> <li>➤ Hoarding installation commenced on Berry Street 28 August 2017 under an approved out of hours work application.</li> </ul> <p><b>Pitt Street:</b></p> <ul style="list-style-type: none"> <li>➤ Commencement of demolition works in the plant room floor of 175 Castlereagh Street.</li> <li>➤ Ongoing removal of internal fixtures and fittings (soft strip out), installation of scaffolding around the site, installation of an external hoist lift to allow workers access to upper floors, service investigation works, structural demolition works and removal of materials at 175 Castlereagh Street.</li> <li>➤ Out of hours works were also conducted at 175 Castlereagh Street for service investigation works, deliveries of plant and equipment, using a crane to lift and lower plant and equipment to upper floors, safely removal of hazardous materials using a licensed contractor.</li> </ul>



	<ul style="list-style-type: none"> <li>➤ Conducting geotechnical investigations at Park Street.</li> <li>➤ Additional crane mobilisation works at 175 Castlereagh Street was also undertaken under approved out of hours work.</li> </ul> <p>Martin Place:</p> <ul style="list-style-type: none"> <li>➤ Removal of hazardous materials using a licensed contractor, removal of internal fixtures and fittings, Installation scaffolding around the site, minor construction activities to prepare buildings for demolition.</li> <li>➤ Established a load out zone for trucks and internal demolition works and removal of materials at 8-12 Castlereagh Street, 7 Elizabeth Street, and 55 Hunter Street.</li> <li>➤ Installation of an external hoist lift to allow workers access to upper floors and structural demolition of the existing building at 55 Hunter Street.</li> <li>➤ Hoarding works within the perimeter of the s at 8-12 Castlereagh Street, 55 Hunter Street and 7 Elizabeth Street including minor structural work, painting and installing lights.</li> <li>➤ Removal of heritage items from the site and transported to a storage facility in Roseberry for safekeeping that involves trucks accessing the site via Elizabeth Street.</li> </ul> <p>Waterloo:</p> <ul style="list-style-type: none"> <li>➤ Drilling for geotechnical investigations and soil testing within the site, established environmental and safety controls, removal of internal fixtures and fittings (soft strip out), removal of hazardous materials using a licensed contractor.</li> <li>➤ Bundling overhead power cables at Cope Street.</li> <li>➤ Out of hours works were conducted:             <ul style="list-style-type: none"> <li>○ Raglan Street and Cope Street - bundling of overhead power cables.</li> </ul> </li> </ul> <p>Marrickville:</p> <ul style="list-style-type: none"> <li>➤ soil testing within the site, upgrading power lines and augmentation to power poles, substation decommissioning and electrical redistribution works, demolishing existing buildings, conducting service investigation works</li> <li>➤ Out of hours work conducted at 2-30 Edinburgh Road and 5-15 Murray Street for overhead power cables work and replacement of power poles.</li> <li>➤ Utility investigation – Saywell and Shirlow Streets</li> </ul>
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<b>ER Inspections</b>	
<b>Demolition and TSE</b>	<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 August 2017 comprised:</p> <ul style="list-style-type: none"> <li>➤ Victoria Cross – 1/8/17, 15/8/17 and 29/8/17</li> <li>➤ Chatswood 1/8/17, 15/8/17 and 29/8/17</li> <li>➤ Crows Nest – 1/8/17, 15/8/17 and 29/8/17</li> <li>➤ Martin Place – 1/8/17 and 15/8/17</li> <li>➤ Pitt Street – 8/8/17 and 22/8/17</li> <li>➤ Waterloo – 8/8/17 and 22/8/17</li> <li>➤ Marrickville – 8/8/17 and 22/8/17</li> </ul> <p>ER Inspection reports have been prepared and issued to Sydney Metro and TSE Contractor. Actions identified during inspections related to ERSED controls; dust management; storage of fuels and chemicals and implementation of monitoring actions required within the CEMP. These actions were assessed as minor and have been closed out during subsequent inspections.</p> <p>In previous months and at the commencement of the month there had been changes of the Delta</p>



	Environmental Manager with inconsistent approaches being observed in respect of implementing Delta CEMP administrative requirements. This was a focus during ER site inspections in the month and inspections near the end of the month noted improvements in the surveillance of Delta work sites by the Delta Environment Manager.
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Endorsed Document/s	
TSE	<p>The following TSE documents were reviewed by the ER with the assistance of alternate ERs with comments provided to the TSE Contractor and Sydney Metro during August 2017:</p> <ul style="list-style-type: none"> <li>➤ Construction Environmental Management Plan (Rev 01)</li> <li>➤ Construction Heritage Management Plan (Rev 02)</li> <li>➤ Construction Soil and Water Management Plan (Rev 02)</li> <li>➤ Construction Stormwater and Flooding Management Plan (Rev 02)</li> <li>➤ Construction Flora and Fauna Management Plan (Rev 02)</li> <li>➤ Construction Noise and Vibration Management Plan (Rev 02)</li> <li>➤ Construction Traffic Management Plan (Rev 02)</li> <li>➤ CNVIS Site Establishment CNVIS</li> <li>➤ Construction Waste and Recycling Plan (Rev 01)</li> <li>➤ Construction Air Quality Management Plan (Rev 01)</li> <li>➤ Consistency Assessment - CTMP - Pitt Street stage 2</li> <li>➤ E35 Report into alternative methods to rock breaking</li> <li>➤ Early Works Approval (EWA) TSE Site Establishment Risk Assessment</li> <li>➤ EWA Design Risk Assessment for movement of equipment to Marrickville</li> <li>➤ EWA SEP for geotechnical works at Chatswood</li> </ul> <p>The following TSE documents were endorsed by the ER during August 2017:</p> <ul style="list-style-type: none"> <li>➤ E35 Report into alternative methods to rock breaking</li> <li>➤ SEPs Barrangaroo Rev 2; and Chatswood (Rev 4)</li> <li>➤ Consistency Assessment - CTMP - Pitt Street stage 2</li> <li>➤ Early Works Approval (EWA) SEP for geotech works at Chatswood</li> <li>➤ EWA Design Investigation RA - Rev 3 and Rev 4</li> </ul>
Demolition	<p>The following documents related to demolition contracts were reviewed and endorsed by the ER during August 2017:</p> <p><u>Delta</u></p> <ul style="list-style-type: none"> <li>➤ CEMP Rev 6 - Updates for CEMP Approval and Health Risk Assessment</li> <li>➤ CNVIS VC - Rev H</li> <li>➤ CNVIS Waterloo Rev E</li> <li>➤ CNVIS Crows Nest</li> <li>➤ OOHW Chatswood Substation works</li> <li>➤ OOHW VC Hoarding</li> <li>➤ CNVMP Update to address DPE comments CNVMP</li> <li>➤ OOHW Marrickville Cable works</li> <li>➤ OOHW Berry Street Hoarding</li> <li>➤ CNVIS Waterloo Rev E</li> <li>➤ OOHW Crows Nest Awning</li> <li>➤ OOHW extension Chatswood Extension of existing OOHWs</li> <li>➤ OOHW extension Marrickville Extension of existing OOHWs</li> </ul> <p><u>Metropolitan</u></p> <ul style="list-style-type: none"> <li>➤ OOHW Martin Place - Hoarding and Heritage removal</li> <li>➤ CEMP Revision 8- Update following conditions from DPE (still to be endorsed)</li> <li>➤ CNVIS Martin Place to address initial AA/ER conditions</li> <li>➤ CHMP Revision 8- Update following conditions from DPE (still to be endorsed)</li> <li>➤ OOHW Martin Place – Scaffold erection and dismantle within Macquarie Bank building</li> <li>➤ OOHW Martin Place - Elizabeth Street Crane</li> </ul>



	➤ OOHW Martin Place - Saturday afternoons	
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Non-compliance/ Incidents / Complaints	
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TSE	Nil
Demolition	<p>The following complaints were received at the following sites:</p> <ul style="list-style-type: none"> <li>➤ Marrickville – Three (3) complaints were received regarding dust on 18/08/17, 28/8/17 and 29/8/17.</li> <li>➤ Crows Nest – Two (2) complaints were raised regarding asbestos removal works (25/8/17); and noise from OOHWs (28/8/17).</li> <li>➤ Waterloo – one (1) complaint was raised on regarding security - glass and building fragments found on church, identified to be from vandalism and not project works (18/8/17).</li> <li>➤ Victoria Cross – Four (4) complaints were raised regarding crane activity (2/8/17); piece of wire found at the childcare centre balcony (11/8/17); debris found on childcare centre balcony (16/8/17); and noise during standard hours (17/8/17). One night time complaint was received that was not project related.</li> <li>➤ Pitt Street – One (1) complaint regarding traffic during scaffolding removal on 13/8/17.</li> <li>➤ Martin Place – One (1) complaint related to property damaged (found not to be project related).</li> <li>➤ Chatswood – Two (2) complaints from out of hours works during the night on 9/8/17; and vibration during day works on 11/8/17.</li> </ul> <p>All complaints were addressed and closed out or actions defined.</p> <p>The TSE Contractor reported that a truck impacted the awning of the Castlereagh Boutique Hotel (adjacent the Pitt Street site) in early August resulting in slight damage to one corner of the awning. The TSE Contractor reported that the Heritage Consultant and TSE Contractor reviewed the damage; obtained a number of quotes for the repair of the awning and had initiated the process to procure services to repair the damage.</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> <p>Sydney Metro has been communicating with DPE regarding the type of documents required to be placed on the project website. A number of new documents have been added to the website during the reporting period as required by Condition B15.</p>

Audits	
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TSE	Nil
Demolition	Nil

Risks and Recommendations	
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Demolition and TSE	As indicated above, the OAC childcare centre continued to raise complaints regarding some aspects of the work. It is understood these have been raised directly with DPE during an onsite meeting. It is likely their concerns regarding the project will continue. Sydney Metro plan to construct an enclosure around the balcony of the centre to reduce potential impacts of the project on the centre.
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Other	
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Nil	
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