

Stacy Warren
Director Infrastructure
Department of Planning and Environment
GPO Box 39
SYDNEY NSW 2001

5 October 2018

Ref: 170108-ER-DPE-Sep 18-SYAB CS NCW IW

Dear Stacy

RE: Sydney Metro City & South West Chatswood to Sydenham CSSI 15_7400 – ER Monthly Report for September 2018 – SYAB, CS, NCW, SSJ, and Investigation works

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), and MOD 3_Martin Place Metro Station (22 March 2018) ; and
- As required by the subsequent appointment as the approved Environmental Representative (17 February 2017);

The attached summary details the following key activities undertaken by ERs for Sydney Metro – City and South West Chatswood to Sydenham during the month of **September 2018** for Sydney Yard Access Bridge, Sydenham Station Junction, Central Station Works, Northern Corridor Works and Investigation Works.

Yours sincerely



Jo Robertson
Environmental Representative

Sydney Metro Cc: Fil Cerone, Matt Marrinan, Ben Armstrong, Stuart Hodgson, Adam Koutsamanis, Margarita Ognjanovic, Andrew Hendy, Simon Fisher,
DPE Cc: Swati Sharma, Rob Sherry, Kate Moore,
IEP Cc: Larry Weiss, Julie Dickson



Summary of Contract Packages		Environmental Representative/s
Sydney Yard Access Bridge (SYAB) (Early Works package)		Annabelle Reyes
Sydenham Station Junction (SSJ) (Early works and Main works)		
Central Station (Early Works and Main Works)		
Investigation Works		
Northern Corridor (NCW) (Early Works package)		Annabelle Reyes / Erran Woodward
Alternate for all packages		Jo Robertson
Key Construction Activities		
Sydney Yard Access Bridge (SYAB)	<ul style="list-style-type: none"> ▪ Construction works completed. ▪ SYAB Defect works 	
Sydenham Station Junction (SSJ)	<p>The CEMP and subplans were approved by DPE on 28 August 2018. Construction works commenced on 5 September 2018.</p> <p>The following works were undertaken during the month of September 2018:</p> <ul style="list-style-type: none"> ▪ Location of existing, and installation of new services around Sydenham Station. ▪ Excavation, piling and concrete work on Platforms 4, 5 and 6 in preparation of new aerial concourse, lift and stairs. ▪ Demolition of the heritage building on Platform 6. ▪ Set up of a site compound in Fraser Park. ▪ Set up of work zones along Garden Street. ▪ Location, inspection and installation of new combined services routes. ▪ Modification to overhead wire systems. ▪ Clearing of vegetation inside the rail corridor. ▪ Out of hours work: <ul style="list-style-type: none"> ○ Plant and equipment deliveries. ○ Installation of hoarding on station platforms 4, 5 and 6. ○ Geotechnical investigations. ○ Installation of the new combined service routes, signalling equipment, over-head wiring footings and structures. ○ Installation of new services under the railway line. ○ Clearing vegetation inside the rail corridor. 	
Northern Corridor Works (NCW)	<p>The following works were undertaken during September 2018:</p> <ul style="list-style-type: none"> ▪ Installation of security fencing between Artarmon and Chatswood stations (until end of November 2018). ▪ Drainage improvements between Brand and Drake streets, including construction of a new stormwater detention tank and discharge control pit (until March 2019). ▪ Signalling and electrical upgrades including cable pulling and the installation of new overhead wiring, footings, steel structures (masts), and connecting booms on masts. ▪ Vegetation trimming or removal as required making way for construction work and new infrastructure. ▪ Out of hours work: <ul style="list-style-type: none"> ○ Mid-Week 12: Portion 7a – Install anchor plates, steel protection plates, w-beam barriers, survey set out/track monitoring, and delivery of materials within the rail corridor between Brand Street and Albert Avenue Chatswood. 	
Central Station	<p>The following works were undertaken during September 2018:</p> <ul style="list-style-type: none"> ▪ Central Station precinct and adjoining streets <ul style="list-style-type: none"> ○ Visual inspections, identification and utilities, and survey using cameras, hand tools and survey equipment. 	



	<ul style="list-style-type: none"> ▪ Platforms 10-11 & 12 <ul style="list-style-type: none"> ○ Installation of footings and new overhead wire structures on Platform 11 ○ Saw cutting sections of Platform 12 in preparation for installation of the temporary canopy and permanent timber hoarding. ▪ Platforms 13, 14 & 15 <ul style="list-style-type: none"> ○ Service investigations ○ Removal of platform furniture and canopy, demolition of Platforms 14 and 15 and removing tracks on Platform 13 and 14 ○ Installation of new cables between Platforms 15 and 16. ▪ Platforms 20-21 and 22-23 <ul style="list-style-type: none"> ○ Drilling works ○ Start of excavation and construction of new stairs. ▪ Central Station pedestrian tunnels <ul style="list-style-type: none"> ○ Service investigations during off-peak times ○ Deliveries (on foot) during off-peak times. ▪ Sydney Yard <ul style="list-style-type: none"> ○ Removal of vegetation ○ Demolition of existing Sydney Trains buildings ○ Construction of a temporary site office and logistics yard, installation of services, overhead wiring structures and new fencing. ▪ Out of hours works <ul style="list-style-type: none"> ○ Platforms 20-21 and 22-23 <ul style="list-style-type: none"> ▪ Deliveries using high-rail vehicles, drilling on the platforms, excavation and construction of the new stairs. ▪ Construction of timber hoarding on the southern end of platform 20-21. ▪ Investigation and survey work. ○ Platform 12 <ul style="list-style-type: none"> ▪ Saw cutting behind noise-absorption blankets. ▪ Removal of tiles using hand tools. ▪ Deliveries and waste removal from site. ▪ Piling using excavators and high-rail vehicles. ○ Platforms and tracks 9, 10-11, 13, 14 and 15 <ul style="list-style-type: none"> ▪ Investigations using vacuum excavation truck. ▪ Excavation of services using vacuum excavation pump and concrete pump across platforms and tracks. ▪ Installation of footings on platform 11. ▪ Installation and removal of overhead wiring, track, signalling equipment using high-rail vehicles. ▪ Saw cutting behind noise-absorption blankets. ▪ Removal of tiles using hand tools. ▪ Deliveries and waste removal from site. ▪ Piling using excavators and high-rail vehicles. ○ Sydney Yard <ul style="list-style-type: none"> ▪ Removal of vegetation and potholing using a vacuum excavation truck ▪ Installation of concrete barriers and temporary fencing for site establishment. ○ Central Station pedestrian tunnels <ul style="list-style-type: none"> ▪ Deliveries (on foot) in off-peak times. ▪ Services investigations during off-peak times.
Investigation Works	Nil



ER Inspections	
SYAB	No more inspections required. SYAB construction is complete.
SSJ	One inspection was conducted on 27 September. The ER Inspection report was prepared and issued to Sydney Metro and the SSJ Contractor. Actions identified during the inspections comprised of erosion and sedimentation controls, diesel spill, tree protection and fencing on the boundary of Portuguese Club. Various notes were recorded in the reports reflecting commitments made by the Laing O'Rourke.
NCW	Nil
Central Station	There were two ER inspection conducted in September 2018. The DPE Compliance Officer attended the inspection on 05/09/2018. ER Inspection reports have been prepared and issued to Sydney Metro and the CSMW Contractor. Actions identified during the inspections comprised: <ul style="list-style-type: none"> ▪ CSMW ER Inspection 05 – 05/09/2018 – fuel/chemical storage and handling ▪ CSMW ER Inspection 06 (conducted during possession weekend) - 15/09/2018 – erosion and sedimentation controls. Various notes were recorded in the reports reflecting commitments made by the Laing O'Rourke.
Investigation Works	Nil

Endorsed Document/s	
SYAB	Nil
SSJ	The following documents were reviewed and endorsed by the ER during the month of September: <ul style="list-style-type: none"> ▪ SSJ Tree Impact Assessment Report – Rail Corridor Revision 03 ▪ SSJ-OOHV-011 WE10 Possession ▪ Draft Station Design Precinct Plan (SDPP) ▪ SSJ-OOHV-012 WE11 Possession September 2018. ▪ Tree Impact Assessment Report – External to Rail Corridor Revision 00 ▪ Tree Impact Assessment Report – External to Rail Corridor (Rev 01) ▪ SSJ Consistency Assessment - Sydenham Pit Ramp CA-04
NCW	The following documents were reviewed and /or endorsed by the ER: <ul style="list-style-type: none"> ➤ NCW 7B - CNVMP, CNVIS and CNV Monitoring Program ➤ NCW-OOHV 017 – Midweek 12 ➤ NCW Tree Impact Assessment Report Rev A (3 Sep 2018) ➤ OOHV 018 - Week 14 (Rev 02) ➤ CTMP NCW Portion 7 Revision 9 ➤ OOHV 019 - Week 16 (Rev 01) ➤ NCW Consistency Assessment / 2 Orchard Road ➤ OOHV 019 - Week 16 (Rev 02)
Central Station	The following documents were reviewed and endorsed by the ER: <ul style="list-style-type: none"> ▪ Central Station Main Works Station Box and Sydney Yards- Archaeological Method Statement Revision 4, 31 August 2018 ▪ OOHV- 007 and OOHV-008 Re-endorsement Addendum 1 ▪ Hi-Rail Access George Street, The Rocks - Addendum A to CSMW 06 Consistency Assessment Access Points and Laydown Area ▪ Revised Tree Assessment Report for the rail corridor ▪ OOHV 009 for October 2018 Possessions ▪ Aboriginal AMS Rev 4
Investigation Works	Nil

Non-compliance/ Incidents or Repeat Complaints	
SYAB	Nil



SSJ	<p>There were 2 complaints received during the reporting period. All have been closed.</p> <ol style="list-style-type: none"> Complaint about general parking availability since work started. Assuming workers are parking in residential streets that require permits. Response / Action Taken <ul style="list-style-type: none"> Explained what measures are taken to ensure workers park legally including induction training. Requested any specific information about times, locations and vehicles involved - Resident confirmed she didn't have specific information and just made an observation that more vehicles are parking in residential streets. Offered an onsite meeting which resident declined. Complaint about a stockpile on Sydney Trains land pushing up against the boundary fence and spilling under a fence onto the adjoining property. Response / Action Taken <ul style="list-style-type: none"> Investigated complaint and confirmed it was a temporary stockpile. Organised for the stockpile to be completely removed by close of business the next day and to sweep up any loose material that has spilled under the fence. Updated the resident on action taken and confirmed it was not a contaminated stockpile - resident thanked the team for the prompt response and action taken.
NCW	Nil
Central Station	Nil
Investigation Works	Nil

Audits	
SYAB	Nil
SSJ	Nil
NCW	Nil
Central Station	Nil
Investigation Works	Nil
Looking Forward	
SYAB	<p>Core Focus Areas for the coming month are:</p> <ul style="list-style-type: none"> Compliance Tracking Review (Q2 2018) and associated evidence to satisfy conditions relevant to SYAB (as per the staging report)
SSJ	<p>Core Focus Areas for the coming month are:</p> <ul style="list-style-type: none"> Site establishment and set up of erosion and sedimentation controls in and around laydown areas. Compliance Tracking Review for Q3 2018.
NCW	<p>Core Focus Areas for the coming month are:</p> <ul style="list-style-type: none"> Out of hours works – cumulative noise Compliance Tracking Review for Q3 2018.
Central Station	<p>Core Focus Areas for the coming month are:</p> <ul style="list-style-type: none"> Implementation of archaeological method statements and noise and vibration monitoring, as well as implementation of mitigation measures having regard to the demolition of the buildings, excavation and drilling of the Metro Station box and Olympic stairs work.
Sydney Metro	Sydney Metro Compliance tracking review on retained obligations.
Other	
Nil	