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7 August 2020

Mr Rob Sherry Team Leader Compliance – Government Projects Department of Planning, Industry and Environment Locked Bag 5022 PARRAMATTA NSW 2124

A.B.N. 39 003 270 693

Ref:

170108-ERDPIEJul20-SSJCSLWTSOMS2B

Dear Rob

Re: Sydney Metro City and South West - ER Monthly Report for July 2020 – CS, SSJ, LW, TSOM and S2B

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

- Condition A24 (I) of the Sydney Metro City and 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), MOD3_ Martin Place Metro Station (22 March 2018), MOD4_Sydenham Station and Metro Facility South (13 December 2017), MOD5_Blues Point Acoustic Shed (2 November 2018), MOD6_ Administrative Changes (21 February 2019), and MOD7_ Administrative Changes (29 June 2020); and
- Condition A26(j) of the Sydney Metro Sydenham to Bankstown Upgrade SSI_8256 Approval (12 December 2018).

The attached summary details the following key activities undertaken by ERs for Sydney Metro – City and South West Chatswood to Sydenham (C2S) during the month of **July 2020** for Sydenham Station and Junction, Central Station, Line Wide and Train Service Operation and Maintenance works.

It also provides a summary in relation to the Sydney Metro - Sydenham to Bankstown (S2B) for the same period.

Yours sincerely

Jo Robertson Environmental Representative

Sydney Metro Cc: Carolyn Riley, Fil Cerone, Ben Armstrong, Hugh Chapman, Andrew Hendy, Simon Fisher, Tim Solomon, Ann Patterson, DPIE Cc: Elizabeth Williamson, Alice Pryke, Erica van den Honert IEP Cc: Larry Weiss, Julie Dickson

Summary of Contract Packages		Environmental Representative/s
Sydenham Station and Junction (SSJ)		Jo Heltborg
Central Station		Michael Woolley
Northern Corridor (NCW)		Peter Hatton
Line Wide (Tallawong to Bankstown)		Peter Hatton
TSOM (Train Service Operation and Maintenance)		Peter Hatton
· · · · · · · · · · · · · · · · · · ·	kstown Sydney Metro Early Works	
(SMEW)		Jo Robertson
Key Construction	Activities	
Sydenham Station and Junction (SSJ)	 slab of building. Replacement of build Platform 6 - Excavation of footings an new customer service building Hogan Ave – Groundwater monitoring water quality investigation for propose Platforms 1 & 2 – Headstocks complete staircase footings complete; precast of heritage building on Platform 2/3 ong Sydenham Rd triangle area – Cutover 11 Sydenham Rd - Backfilling of precator complete. Excavation of water main t Sydenham Pit and Pumping Station – channel Confluence Structure & Temporary Up confluence structure ongoing (internation and temporary bypass walls demolish Way Street laydown – Temporary stopipes and heritage sandstone blocks XPT laydown – Stockpiling of spoil from 	ve digging (NDD) and service installation in base ling walls d preparation for concrete pour of base slab of g well installation and groundwater level and bed underbore te for the aerial concourse. Lift shaft bases and on station stairs commenced; Refurbishment of going to the existing culverts commenced st culverts continuing. Sewer installation works hrough the centre of the site Reinstatement of open central drainage opstream Connection – Construction of the al works); Bulkhead installed in western channel ed rage of materials including empty IBCs, service m 11 Sydenham Rd. Temporary slurry storage
Central Station	 scrubbers. Ongoing excavation and copours in lower sections Central Walk - Excavating for Central materials and installing new concrete (24/7); Excavating within hoarded worplatform surface excavation during ra Sydney Yard - Water Treatment Plant processing and loadout of excavated in Northern Concourse - Additional and of existing canopies complete. Pre-Casome beams also installed. Preparation Installation of new elevator ongoing. Eastern Entrance: excavation beneath tubes (horizontal piles) below Chalmet Ongoing Combined Services Route (Casomet Concourse) 	Operation; truck access; laydown. Stockpiling, material changed areas of works hoarded off. Removal ast concrete columns for canopies in place with on for arrival and installation of new canopies. Ongoing construction of new escalators a Randle Lane and load out. Installing canopy ers Street.

Line Wide	SMTE (North)
Line wide	SMTF (North) ULX excavation and cable installation:
	 Fire ring mains excavation and installation; Structure installation on test tracks
	 Structure installation on test track; Forming factings
	 Forming footings Construction of site office outputies for TCOM office and packing
	 Construction of site office extension for TSOM office and parking Construction of new second form NTS site to CED building
	 Construction of new access road from MTS site to SER building
	Canterbury to Campsie – Bulk Power Supply Works
	Trenching Cable leaving
	Cable laying
	Remove road plates
	Hand dig services
	Conduit installation
	Backfilling
	 Resurfacing Toff the sector back between the sector back back back back back back back back
	Traffic control and detours
	Northern Connection
	 Signalling & train stop suppression & cable disconnections
	 Survey and pre-flooding track inspections, ULX inspections & piling support
	 Down Shore ballast flooding for piling rig access
	 Intertrack wall piling, drill, casing, install cages & pour concrete
	 Service searching, open dive, ULX and MTS ULX Conserve delivery set on form then store Aug
	 Concrete delivery set-up from Hopetoun Ave COD LUX @10:750
	 CSR ULX @10+750 – service search, excavate 7 install conduits
	Open dive piling – mobile piling rig to site
SMEW	 Foord Avenue, Keir Avenue, Metford Street: works were underway to construct a houl most to support the support to support the subject for installation
	 haul road to support the crane required to lift GST over the culvert for installation. Work on the western side of Foord avenue to prepare the embankment for piling for
	for the western side of roord avenue to prepare the embandment of pring for
	 the bridge GST support Installation of GST along the site boundary at Hutton Street)
	 Retaining Wall 1 (RW1) - Cooks River: Placement of fill and batter trimming
	substantially complete along the corridor behind the carpark area. Exposed faces
	were mostly wrapped in geofabric
	 Retaining Wall 2 (RW2), Panel installation of the retaining wall. Batter stability tests
	 Retaining Wall 2 (RW2), Parel installation of the retaining wall. Batter stability tests Retaining Wall 3 (RW3), Wairoa Street, North and South Parade: Batter Cut and fill
	activities
	Extension Works: GST installation was underway towards Campsie Station. Line Wide
	contractors were also working across the access gate (open trench for the bulk
	power supply)
FR Inspections - F	ER inspections have been modified to observe Coronavirus pandemic protocols
SSJ	There were two inspections conducted by the ER in July 2020. The key issues discussed
333	were:
	 Implementation of the Unexpected Finds Protocol for isolated fragments of bonded
	asbestos
	 Improvements to ERSED management at Burrows Ave and 11 Sydenham Rd
	(including Garden Street)
	 Stockpile management including the application of soil binder and the maintenance
	of ERSED controls at 11 Sydenham Rd and the XPT Laydown
	 Inappropriate concrete washout

	 Improvements to the management of vacuum truck slurry at the XPT Laydown; post-
	incident investigation (overspill of slurry, 11 July 2020)
	 Installation and maintenance of tree protection measures at the Way Street Laydown
Central Station	There were three ER inspections conducted in July 2020 . The key issues raised at these
	inspections were:
	 An excavator was observed un-occupied and idling for an extended period of time.
	 A skip bin was full of rubbish, and rubbish was observed on the ground at the
	Mortuary station compound
	 Silt/slurry had accumulated adjacent the Water Treatment Plant.
Line Wide	There was one inspection in July 2020 for SMTF North. The key issues discussed at this
	inspection was:
	 Earthworks underway to provide for additional TSOM office accommodation and car
	parking.
	 Removal of geofabric from area above and to north of sediment basin has
	commenced. It was noted that the surface under the geofabric has been compacted.
	Light ripping and watering may be required to enable and regeneration of vegetation
	on the site. This is ongoing.
	 On-going dust control actions required, particularly on site side of new Gate A
	entrance.
	 Some areas of waste management and house keeping could be improved including
	replacement of waste bins before reaching capacity, particularly adjacent to Gate A.
	 Final access road into the SMTF expansion site is under construction. It was noted that the shad would have been remeaned.
	that tracked mud has been removed
	 Ballast tamping has been undertaken on some of the recently laid tracks.
	 Construction of the SER building is continuing
	Two increations were conducted in July 2020 for the Contachury to Compare Dully
	Two inspections were conducted in July 2020 for the Canterbury to Campsie – Bulk
	Power Supply Works: Issues discussed included: The works comprise trenching, installation of cables, backfilling and resurfacing
	The works comprise trendming, instantion of cusies, such ming and resultations.
	 Feedback from workers on site indicated that the project has established very good
	relationship with nearby residents – as at the time of the inspection there had been
	no community complaints
	 The site is being maintained in a clean and tidy condition by the contractor.
	 Arborist present when excavation is undertaken within Tree Protection Zone of
	designated trees (Bird Tree Consultancy March 2020)
	 The site is well sign posted and traffic controllers are on site to ensure vehicles and
	pedestrian do not encroach within the construction area
	 Excavation along entire length of Gould Street from South Parade to Canterbury
	Road will be completed by 11/07 in advance of crossing Canterbury Rd scheduled to
	commence Sunday 12/07. It is noted that OOHW approval is in place for the work.
	 It was noted that a temporary storage site had been erected adjacent to the
	commuter carpark on South Parade and that this had not been included in the site
	environmental plan. It is recommended the SEP should be revised that to include this
	and other potential storage sites
	 Works on Canterbury Rd under OOHWA 021 partly complete.
	 Metal covers over excavations in Canterbury Rd generated banging noise when run-
	over by heavy vehicles
	 Excavations and storage site in South Parade adjacent to commuter car parking. Site
	was being managed to provide access to parkers when required. No complaints from
I	

	commuter.
	 Minor oil leak from a roller parked adjacent to a stormwater drain in South Parade.
	There was one inspection in July 2020 for the Northern Connection. The key issues discussed at this inspection was :
	 Concrete delivery system established in Hopetoun Ave - no complaints from residents
	 Site was being managed in general good environmental condition in accordance with
	site environmental plan
	 It was noted that dirt was being tracked from the site onto brand Street. SC advised
	that sweeper truck was engaged for Sunday 19 July to undertake removal of tracked
	dirt from Brand Street
	 Drake Street access was in a stable condition
	 Acoustic curtains have been installed to assist with noise mitigation. It was noted
	that the curtains alongside Valetta Lane storage had been installed back to front.
	Reinstallation was to take place
	 Banging noise from drill auger shaking seemingly much reduced from previous
	possession
	 Concrete washout requires more careful management to reduce overflow from
	containment
	 Graffiti on hoarding adjoining Valetta Lane
SMEW	There were two ER inspections conducted in July 2020. Key issues identified were related
	to:
	 The batters on the southern side of Foord Avenue were exposed – it was discussed
	that some stabilisation strategy should be employed here
	 JHLOR should ensure that the pre condition survey of the proposed footpath closure
	area covers all structures not just the pavement condition prior to taking control of
	this area
	It was noted that the street garden bed had been recently "worked". It is unclear
	who conducted these works, or why. The ER does not have any pre-condition photos
	of this area. Works may be related to a recent complaint about parking on garden
	beds (complaint currently under investigation). JHLOR will monitor the garden bed at
	the entry point to the Charles St compound and stabilised as necessary. JHLOR will
	also consult with the Contractor undertaking the street works and rectify any
	damage
	 Miscellaneous stockpiles should be covered, and controls placed to reduce the risk of
	dust and/or sediment-laden runoff onto the access ramp
	 The extension works will work across the area not previously disturbed by JHLOR
	Preliminary planning for these works will need to be consideration of the impact to
	the swale and flow through surface water, as well as de-vegetation activities
	• The haul road was under construction to enable access for the crane to lift materials
	over the culvert. Although it was noted that works to the haul road had only recently
	commenced, additional attention needs to be focussed on planning for, and
	installation of appropriate ERSED and flood mitigation strategies (to adjacent
	receivers). Strategies need to include catchment reduction, flow velocity techniques
	and the general directing of flow away from the receivers. Silt controls are required
	towards the culvert
	 Previously covered waste material in the corridor was reported to have been tested
	for classification pending disposal
	 The tree protection flagging had been moved towards the trees to allow for haul

	road construction thus reducing the protected dripline area. The TPZ is to be
	reinstated post haul road construction.
Endorsed Docum	nent/s
SSJ	• SSJ- Environmental compliance requirements completion approval - CoA A26 & E49.
Central Station	CTR 2020 Q1 Central
SMEW	 PCMW09 - Utilities Investigations Marrickville Rev01 30.06.2020.
	 CTR 2020 Q1 SMEW Rev3
Line Wide	 Southern Dive Early Access Works – CNVIS Rev5
	 Southern Dive Early Access Works – CNVIS Rev4
	 Crows Nest Early Access Works - CNVIS Rev5
	 Waterloo Station Early Access Works – CNVIS Rev4
	 RfMA C2S Soil Water and Groundwater Management Sub-Plan Rev01
	 OOHWA-023 Crows Nest Station
	 OOHWAS-024 Southern Dive Site
	 OOHWA-022 Waterloo Station
	 OOHWA-021 Canterbury Rd Crossing
	 OOHWA-028 Beamish St Crossing
	 OOHWA-029 SMTF (North)
	 OOHWA-027 SMTF (North)
	 CTR 2020 Q1 LW
Non-compliance	/ Incidents or Repeat Complaints
Responses to eac	as been providing summaries of complaints to DPIE daily and a summary to the ER. ch complaint have been noted in each complaint report, with follow up actions often ad reports. Key or report items of note are discussed below for the respective prejects.
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	 There were no non-compliances raised for SSJ during July 2020. There were two complaints received for SSJ during July 2020: 1. (Property damage): Stakeholder complained about damage to vehicle discovered overnight on street. Stakeholder advises CCTV from local business identifies truck driving when rear door swings open, connects with stakeholder's vehicle causing damage. Stakeholder believes truck related to project works. Investigation - Place Manager requests copy of the footage as stakeholder was unable to identify truck registration/logos. Copy of CCTV footage received is of poor quality. Place manager has arranged to meet with local business owner to review to original CCTV footage and advised stakeholder of update. Resolution – TBD
	2. (Property access): Stakeholder complained about driveway and building access being blocked by works. Investigation and resolution - Place manager confirmed that footpath reinstatement works were being carried out and site inspection confirmed that footpath width in front of building had been temporarily reduced to provide safe work zone however access had been maintained at all times. Place manager contacted stakeholder to advise that in future they would be contacted directly to advise of any work planned near building.
Central Station	Complaint aspects for this site during the period have been provided to DPIE and included complaints relating to daytime and night time noise from various activities; and two related to worker behaviour.
	During the CTR review for Q1, it was established that a Non Compliance had been raised for out of hours works occurring in January where notification had not been provided and that this event had not been previously recorded in the ER Monthly Report for that period. The Non Compliance has been reported in the Sydney Metro CCR dated 24-6-20 as issued to DPIE.
	There were no incidents for Central reported to the ER under conditions A41 to A44 of SSI 7400.
Line Wide	A complaint was received in relation to the Northern Connection Works. A resident in Drake Street complained about number of construction vehicles using the street and contractors parking in area. Suggested more vehicles were parking compared to previous contractor. Requested traffic controllers be in place to restrict access. Drake Street is a primary access point for the rail corridor. Traffic control was in place during the work to manage vehicle movements. All site inductions include an instruction to workers not to park in local streets, along with a map of restricted areas. The resident was a dvised of measures in place to reduce light vehicle usage of street wherever possible and that action would be taken against any worker vehicles found to have parked in restricted area.
	There were no incidents for Line wine reported to the ER under conditions A41 to A44 of SSI 7400. There were 2 minor class 3 incidents:
	 Canterbury to Campsie BPS Works. Class 3 Incident Minor oil leak from a roller in South Parade. During ER inspection on 23/07 two minor leaks from a stationary roller were observed. Spill kit was deployed, spill contained and cleaned up and roller rectified to address the leak Northern Connection Works. A class 3 incident diesel spill of 4-5 litres was reported
	2. Northern Connection Works. A class 3 incident diesel spill of 4-5 litres was reported

	
	by Systems Connect on 20/07 during of-hiring of a daymaker. The unit had been refuelled and fuel has tipped out of the overflow tank while the unit was being lifted into a truck by a bobcat. The operator replaced the daymaker on the ground, spill kit was deployed and spill kit materials and impacted road base disposed of.
TSOM SMEW	A non compliance was raised by Systems Connect on 31/07. Stormwater was discharged from excavation pit during out of hours works without a permit to dewater. The activity was determined to be a non-compliance with the C2B Construction Soil, Water and Groundwater Management Sub-plan and the Water Management Procedure. A number of corrective actions were identified for implementation by the System Connect team. No complaints, incidents or non-compliances There were no incidents reported to the ER under conditions A36 of SSI 8256. The ER is not aware of any non compliances for SMEW for the period. There was one complaints related to the SMEW works in relation to generator use and worker behaviour between Canterbury and Hurlstone Park. JHLOR were to remind all works via the project pre-starts to be courteous to members of public.
	There were no Metron related complaints in the period.
Audits	mere were no werforrelated complaints in the period.
SSJ	SSJ/SMEW Internal Environmental Audit 30/07/2020
Central Station	No audits conducted.
Line Wide	No ER involvement in audit activity including Independent Environmental Audits (IEA
	program).
TSOM	No audits proposed
SMEW	No ER involvement in audit activity including Independent Environmental Audits (IEA program).
S2B	SSJ/SMEW Internal Enviro Audit – 30/07/2020
Looking Forward	– Core Focus Areas
Sydney Metro	 Q1, Q2 2020 Compliance Tracking review
SSJ	 The potential to encounter groundwater during excavations for an underbore from the Sydenham Rd triangle to Hogan Ave & Sydenham Rd. Channel diversion works at the SSJ/TSE during culvert tie-in works at the Sydenham triangle.
	 Management of ERSED controls generally, including stockpile management at 11 Sydenham Rd, and damage to surfaces and tracking at Garden Street. Completion of station structures and noise impacts during OOHW.
Central Station	 Noise and vibration management during works on possessions and at the Eastern Entrance Construction of the canopies at the Northern Concourse Ongoing operation of the Water Treatment Plant

Line Wide	 SMTF (North) construction site works, especially dust management
	 Surry Hills to Waterloo 33 kV works
	 Cumulative impacts from adjacent projects
	 Noise and vibration management during OOHW for construction of portal between Chatswood and Artarmon
	 Stakeholder engagement during transition/ handover between construction contractors
	 Noise and vibration management during construction of 33 kV BPS from Campsie to
	Canterbury as well as resident access disruption and traffic management
	 WaterlooComplaints from adjoining residents during rail delivery operations
	 Waterloo – Management of groundwater discharges
TSOM	Compliance with Line Wide Construction Traffic Management Plan
SMEW	 Environmental controls associated with works in proximity to Cooks River
	 Foord Avenue culvert work
	 Compliance review Q2, 2020

Statement of Limitations

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