

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

7 October 2022
Ref: 170108-ER_DPE September 2022

Dear Rob

RE: Sydney Metro City & South West – ER Monthly Reports for September 2022

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

- Condition A24 (l) 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), MOD3_Martin Place Metro Station (22 March 2018), MOD5_Blues Point Acoustic Shed (2 November 2018), MOD6_Administrative Changes (21 February 2019), MOD7_Administrative Changes (29 June 2020), MOD8_Blues Point Access Site (25 November 2020), and MOD9_Extension to Standard Construction Hours (30 June 2022); and
- Condition A26 (j) of the Sydney Metro Sydenham to Bankstown Upgrade SSI_8256 Approval (12 December 2018) and associated modifications MOD1_Bankstown Station.

The attached summaries detail the key activities undertaken by Environmental Representatives for Sydney Metro – City and South West Chatswood to Sydenham for the month of **September 2022**.

Yours sincerely

Jo Robertson
Environmental Representative

Cc: Sydney Metro: Carolyn Riley, Fil Cerone, Ben Armstrong, Dylan Jones, Ann Paterson, Julia Diamond, Chris Berg
AA: Available on Sydney Metro Website
Contractors: Available to Contractors on Sydney Metro Website
DPIE Compliance: Portal
DPIE Post Approvals: Available on Sydney Metro Website



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1. Central Station

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S)	Central Station	Michael Woolley
Key Construction Activities During the Period		
<p>Works conducted during the reporting period included:</p> <ul style="list-style-type: none"> ▪ Metro Box – Ongoing construction activities for the Chillers and Ventilation Building. Fit out of platform Canopies ongoing. Fit out of the Platform and other levels. Various FRP works for platform edges. Installation of escalators and fit out within the various levels. Waterproofing and installation of ballast on the Traffic Deck. ▪ Central Walk – Ongoing installation of new escalators and final panels around the new escalators. Other fit out activities. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. Excavation of spoil from all escalator access points on northern side of Central Walk completed. Set up for public access to some areas of the Central Walk and North-South Concourse. ▪ Sydney Yard – Small capacity WTP operating to treat surface waters with other water largely directed to Marrickville – subject to capacity restraints there. Water pumped from the Track slabs via various tanks to the WTP. Truck access; laydown. Stockpiling and loading out of spoil now completed from Sydney Yard. ▪ Northern Concourse – Ongoing works at intersection of Northern Concourse and Metro Box area. Facia panels under the TCAC building completed. ▪ Eastern Entrance – Ongoing fit out and general construction activities. Plans to do fit out works 24/7. ▪ Devonshire Street Tunnel - In operation and used by commuters. ▪ CSR works Rail Institute – Works completed, however use of access to manhole in the area continues. ▪ ESR Concourse - Ongoing use of the area for laydown and construction support. Fit out and other construction activities ongoing. Public pedestrian access moved onto some completed areas. ▪ Ghost Platforms (above ESR Platforms 24-25) - Ongoing electrical and other fit out. 		
Key Construction Activities Look Ahead		
<ul style="list-style-type: none"> ▪ Ongoing activities as described above 		
ER Inspections		
<p>There were two ER inspections conducted during the reporting period on 7th and 28th September 2022. Issues raised during these inspections included:</p> <ul style="list-style-type: none"> ▪ Rubbish observed in the wastewater bin; and ▪ Management of wash water and ERSED controls in the Sydney Yard. <p>LOR were generally responsive to closing out actions raised during inspections; however, some actions related to graffiti and noise management/monitoring remained outstanding at the end of the reporting period.</p>		



Photos



Eastern Entrance works



Fit out activities at the Eastern Entrance



Construction of temporary pedestrian access in the North-South Concourse



Northern Concourse: Completed cladding of the beam under the ICAC Building.



Traffic Deck: Placement of ballast on the northern section of the traffic deck completed.



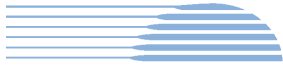
Central Walk: Completed excavation and removal of spoil from the escalator shafts at Platforms 16/17 and 18/19



Endorsed Document/s
▪ Nil
Non-compliance/ Incidents or Repeat Complaints
Sydney Metro has been providing summaries of complaints to DPE daily as well as to the ER. No complaints were reported to have been received during September. No Incidents were reported that would trigger reporting under Condition A41 and no non-compliant events were reported or observed by the ER.
Audits
There were no audits conducted during the reporting period.
Summary of Environmental Performance
Good environmental performance was generally observed, noting no complaints received; no incidents reported and only low risk issues identified during inspections.
Looking Forward – Core Focus Areas
▪ Water Management ▪ Heritage Reporting

2. SSJ

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Sydenham Station and Junction (SSJ)	#21147	Jo Heltborg
Key Construction Activities During the Period			
<ul style="list-style-type: none"> ▪ Fraser Park Ancillary Facility: Pavement works completed as per lease agreement. ▪ Geotechnical Area: Area removed from JHLOR PC. Completion of gate remains on hold due to design. ▪ Main Site (11 Sydenham Road): Works complete. ▪ Sydenham Station: JHLOR station works complete. PC handed over to Linewide, including maintenance. ▪ Sydenham Pit and Pumping Station: Formal handover to Sydney Water complete (awaiting records, ITP). ▪ Way Street Laydown Areas: Materials removal ongoing for transfer to the John Holland Laing O'Rourke (JHLOR) Southwest Metro Corridor (SMC) and Bankstown Additional Corridor (BAC) Works. ▪ XPT Laydown: JHLOR still has approval for use of the area, which may be utilised for BAC (awaiting confirmation). ▪ Carrington Road Laydown: Some materials, including a stockpile of DGB and concrete barriers remain, and stabilisation required. Handover process to be formalised (either to SMC_BAC or Sydney Water). Sydney Water conditions to be met regarding heritage for ongoing use. ▪ Bedwin Road: Fencing complete. Handed over to Linewide. Bedwin Road Bridge awaiting formal handover to Council, including graffiti removal. ▪ All areas Up-track of the Geotech have been removed from the JHLOR Environmental Protection Licence (EPL) Premise Maps. Extension may be required for scope (see below). ▪ Diamond crossover works commenced (stabling tracks), including buffer stops at Sydenham Station. Scope to be completed during WE13-16 Possession. 			
Key Construction Activities Look Ahead			
<ul style="list-style-type: none"> ▪ Graffiti removal, Sydenham Pit ▪ Geotechnical Area: Final gate design and installation ▪ Way Street and XPT Laydown Areas: Preparation for formal handover to XPT, Sydney Trains, or further use for SMC_BAC ▪ Carrington Road Laydown: Awaiting handover to Sydney Water, or confirmation of further use for SMC_BAC as an ancillary facility. Dilapidation survey of underground heritage structures required by Sydney Water (site adjacent to State Heritage listed sewage pumping station) ▪ Ongoing defect work ▪ Fraser Park Ancillary Facility: Boom gate to be installed and handed back to the Portuguese Club. 			
ER Inspections			
<p>There were no ER inspections conducted by the ER in September 2022 due to limited scope and low risk. The following actions remain open from previous ER inspections:</p> <ul style="list-style-type: none"> ▪ Bedwin Road: Graffiti remains on Bedwin Road bridge; pending removal in accordance with the Visual Amenity Management Plan (VAMP). <ul style="list-style-type: none"> ○ ER update Sept 2022: Awaiting finalisation of the Road Safety Audit prior to close-out. ▪ Sydenham Pit Confluence Area: Graffiti remains on the Sydenham Pit confluence structure; pending removal in accordance with the VAMP. Outcome pending formal handover to Sydney Water. <ul style="list-style-type: none"> ○ ER update Sept 2022: Graffiti to be removed. Awaiting completion prior to close-out. 			
Photos			
<ul style="list-style-type: none"> ▪ Nil 			
Endorsed Document/s			
<ul style="list-style-type: none"> ▪ Sydney_Metro_Upcoming_Compliances_Ssj_Q2-2022 Rev01_ER, 8/9/2022 ▪ Environmental compliance requirements completion approval Q2 SSJ, 27/9/2022 			
Non-compliance/ Incidents or Repeat Complaints			
<p>Sydney Metro has been providing summaries of complaints to The Department of Planning and Environment (DPE) daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for SSJ.</p>			



- The ER is not aware of any non-compliances for SSJ during the period.
- There were no incidents for SSJ reported to the ER under conditions A41 of SSI 7400.
- There were no minor Class 3 environmental incidents reported to the ER during the period.
- The ER is not aware of any complaints during September 2022 that could be attributed to the SSJ works.

Audits

No ER involvement in audit activity including Independent Environmental Audits.

Summary of Environmental Performance

The scope of works conducted during the reporting period was small and low risk. The project is winding down with most project scope complete, with mainly defects remaining. The ER is waiting on the completion of all scope and materials removal from laydown areas before handover and condition completion is finalised. Some laydown areas may be approved for ongoing use by SMC_BAC, though confirmation is pending.

Looking Forward – Core Focus Areas

- Completion of selected Conditions of Approval and Revised Environmental Mitigation Measures
- Completion of the SSJ Compliance Tracking Report (CTR) Q3 2022.

3. Line Wide (Tallowong to Bankstown)

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Line Wide (Tallowong to Bankstown) Systems Connect (SC)	#21423 ST #12208 LW	Swathi Gowda (ER) George Kollias (Alternate ER)
Key Construction Activities During the Period			
<p>Key Construction Activities below:</p> <p>Northern Hub (Incorporating Chatswood Dive Site, Northern Connection, Hopetoun Ave and Valetta Lane)</p> <p>Northern Connection</p> <ul style="list-style-type: none"> ▪ Preparation and assembly of Delkor Plates ▪ De-stressing works underway (with EWP) <p>Chatswood Dive Site</p> <ul style="list-style-type: none"> ▪ Northern Dive Building - installation of framing for façade underway <p>Valetta Lane (largely possession related use)</p> <ul style="list-style-type: none"> ▪ Valetta Lane – no works at time of inspection <p>Artarmon Traction Sub-station (TSS)</p> <ul style="list-style-type: none"> ▪ TSS energised. <p>Artarmon BPS Works Site – Carlotta St</p> <ul style="list-style-type: none"> ▪ No works reported. Not inspected. <p>Blues Point – Streetscaping works:</p> <ul style="list-style-type: none"> ▪ Drainage alteration works completed and two slabs poured. ▪ Pavement removed and excavated to level required; with road base scheduled to be installed to build up level to sub-grade. <p>SW Corridor Traction Substation sites - Rail Shutdown in progress (24 September – 9 October 2022)</p> <ul style="list-style-type: none"> ▪ Dulwich Hill TSS - GST works, asphaltting, man drilling conduits from TSS building, mechanical and electrical fit out and structural works in progress ▪ Canterbury TSS - Façade panel installation in progress ▪ Campsie TSS - Civil works for two bi-access stairways and electrical fit out in progress ▪ Lakemba TSS - mechanical and electrical fit out works in progress ▪ Wiley Park - Zone 23.1 Wiley Park HV cabling is in progress ▪ Punchbowl TSS - CSR works and electrical fit out works in progress <p>Canterbury to Campsie BPS</p> <ul style="list-style-type: none"> ▪ Pat O'Connor (POC) Reserve, Canterbury – only some tree planting remaining at cable bridge worksite (Ausgrid side) ▪ Campsie BPS Joint Bay worksites (Anzac St, Cooks Ave, Gould St and South Parade) – SC reports Cooks Ave worksite backfilled and demobilised. Dewatering at Anzac St Joint Bay and no works at remainder of Joint Bay worksites at time of inspection. <p>Southern Dive & SMTF South Marrickville:</p> <ul style="list-style-type: none"> ▪ Operational WTP – internal cable connection; internal pipe works by Enviro Pacific ▪ Administration Building – internal works (cable installation/connections) ▪ Bin Store - installation of structural steel ▪ Fire Control Room – cable pulling ▪ FRP works for fence installation ▪ Track slab - Aco drainage works, light pole installation ▪ Stabling Yard - installation of droppers on OHW structures, defect works ▪ SSJ Area – Bulk out for carpark and internal access roads ▪ Southern Dive – not inspected. SC reports GST installation works ▪ Operational WTP –electrical installation, internal fit out <p>Surry Hills BPS works - Frog Hollow Reserve and Randle Ln</p> <ul style="list-style-type: none"> ▪ Frog Hollow Reserve – works completed. Area to be re-sprayed. ▪ Randle Ln Joint Bay – no SC works; works by other Contractor (LOR) at time of inspection. 			



Key Construction works/activities Look Ahead

Look-ahead of upcoming activities /works:

- Two week shutdown continuing along Southwest Corridor (24 September – 9 October 2022)
- Chatswood Station rail possession October 2022(3 – 9 October 2022)
- CEMP and sub plans review/endorsement continuing
- Q2 2022 CTR reporting and review process continuing
- Blues Point streetscaping/enhancement works during Standard Construction Hours along Blues Point Road and Henry Lawson Avenue – scheduled between Jul 2022 with completion by Q4 2022 (continuing).
- Surry Hills BPS (Randle Ln Surry Hills) – preparatory works for permanent cable pull and cable pulling to Central Station largely during standard construction hours and Sunday daytime OOH works (with some Sundays as contingency).
- Canterbury to Campsie BPS works – Cooks Ave Joint Bay backfilled and worksite demobilised in Aug 2022. Sealing works (Anzac St and South Parade joint bays) to avoid water ingress, further testing for water leakage and determining further actions for management.

ER Inspections

There were three ER inspections conducted by the ER in September 2022 (6/09/22, 13/09/22, 27/09/22). Key new issues/actions raised are summarised below, with actions either closed out/ in the process of being closed out by SC:

SMTF South and BPS works - ER Inspection #125 - 6/09/22 [Tuesday; Rainfall previous days to inspection – 3.8 mm (05/09); 18.2mm (04/09); 3.8 mm (03/09)]:

- SMTF S - Some general housekeeping required (removal of waste/litter and primer container) near Covered Shed and along footpath adjacent to tunnels pre-start area.
- SMTF S (near Gate No. E1) - Minor sediment observed on internal site access road, near Gate No. E1.
- SMTF S (Sydney Steel Road) - Minor graffiti observed on non-branded shade cloth installed (near graffiti lane).

Northern Sites and Barangaroo laydown area - ER Inspection #126 - 13/09/22 [Tuesday; Rainfall previous days to inspection: 0.0mm - 12/09 and 11/09; 2.0 mm 10/09]:

- Barangaroo Laydown Area - General housekeeping/waste removal (minor) required, near site sheds.

SW Corridor Traction Substation sites- ER Inspection #127 – 27/09/22 [Tuesday – Possession work related inspection; Rainfall previous days to inspection: 0.2mm - 26/09; 1.8 mm 25/09 and 1.0mm on 24/09]:

- Campsie TSS - with the exception of minor tagging on Project Signage, no other graffiti observed along boundary fence. Action raised.
- Dulwich Hill TSS [site access/egress (Randall St)] - Note raised for ongoing monitoring required and street sweeper to be mobilised by SC, following asphaltting works scheduled on the day for section excavated section near gate.



Photos



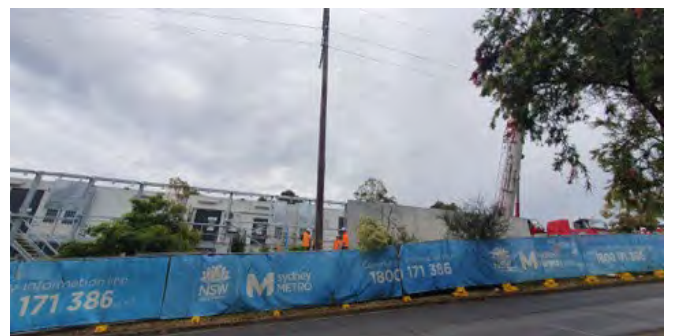
Dulwich Hill TSS – Man drilling conduits from TSS building



Dulwich Hill TSS- Asphalting works underway at TSS.



Canterbury TSS - Façade panel installation in progress with crane set-up on City End



Canterbury TSS - Façade panel installation in progress with crane set-up on City End



Campsie TSS – Civil works for bi-access stairways underway



Zone 23.1 Wiley Park HV cabling – rollers set up on GST and running cable into GST.





Zone 23.1 Wiley Park HV Cabling - Noise blankets installed around site shed generator (operational)



Northern Dive Building – installation of framing for façade, underway.



Northern Dive - FRP for section of fire wall underway



Blues Point Road – Streetscaping worksite: Drainage alteration works completed and two slabs poured.



Pat O'Connor (POC) Reserve: Noticeable green growth at previous SC Ancillary Facility

South Parade Joint Bay worksite (BPS works): Noise blankets installed around generator



SMTF S: Aco drainage works along track slab.

SMTF S - Stabling yard: Installation of droppers on OHW structures.

Endorsed Document/s

- OOHWA-247 Dulwich Hill TSS Civil Works WE13
- OOHWA -238 Southwest Padmount Transformers WK13-WK14 Rev 2 and Rev 3
- OOHWA-234 Punchbowl TSS CSR WE13-WE14 Rev.1.1
- OOHWA-245 Lakemba TSS Facade WK14 Rev C
- OOHWA-232 Southwest HV Cabling Zone 8 September 2022 - Rev 02
- OOHWA-244 Southwest HV Cabling WE13-WE15
- OOHWA -248 Dulwich Hill TSS - Façade Installation WE15
- OOHWA -245 Punchbowl TSS Façade WK14 Rev D
- OOHWA 250 Fire hydrant installation Artarmon

- OOHWA-244 Southwest HV Cabling WE13-WE15 Rev B
- OOHWA-239 Waterloo Cable pulling Rev 04
- OOHWA-254 Surry Hills BPS Randle Lane HV Cabling Sunday Work Rev 0 and Rev 1
- Consistency Assessment - TfNSW64 Chatswood Station Rail Possession October 2022 Draft 2.0

Non-compliance/ Incidents or Repeat Complaints

Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for the respective projects.

No non-compliances reported to the ER in this reporting period. There were no incidents for Line Wide reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256.

One minor Class 3 event reported to the ER, for this reporting period is summarised below:

- 27/09/2022- Class 3 - Resin applied to grout the water-leaking cracks at cross passage XP34 (within tunnel) near Blues Point was, leaked out into the tunnels mixed with water. The slurry was noted to have solidified at cross passage XP32 within the tunnel and was noted to be not moving further. Impacted area was cleaned up and water leak fixed by the grouting process.

Complaints during this reporting period are summarised below:

- 06/09/2022 – Chatswood Dive Site - Noise & vibration (OOHW)- Resident complained about metal clanging around 10pm at night. She requested follow up call on the next day. Work was ceased on complaint being relayed to Site Team. Complaint triggered SC to further review and revision of applicable OOHW on surface including toolboxing relevant site team.
- 12/09/2022 - Blues point – Cumulative impacts (Std hours) - Resident complained about the ongoing construction work at Blues Point, stating that the loud noise from the works is excessive and has been going on for months. Further investigation by SC noted provision of respite hours by SC (for high impact noise activities) and noted other contractor [engaged by North Sydney Council (NSC)] have also been upgrading activities on-site which included jack hammering activities that concluded at 5:30pm whilst SC works conclude between 3-4pm. Further, SC also notified NSC of complaint and was advised that the works will be investigated to ensure completion with minimal impact.
- 16/09/2022 - Blues Point - Property Access - Resident has sent a follow up email in regard to beach access being reinstated, stating that the commitment made to the community has not been reached and would like resolution ASAP.
- 19/09/2022 – Crows Nest ISD (LWW) – Worker behaviour - Building owner emailed about workers sitting on the footpath outside the designated break areas and in front of the fire safety door. This is third complaint raising this issue from that area.
- 29/09/2022 – Southwest Corridor (LWW) – Cumulative Impacts – resident emailed regarding garbage trucks being unable to collect rubbish from Railway St, Hurlstone Park as part of the pad mount lifts occurring.
- 30/09/2022 - Campsie to Canterbury power upgrade (LWW) - Traffic, Transport & Parking - Resident concerned about the rectification and reinstatement of the traffic island/roadblock at the end of Onslow Ln onto Onslow St, Canterbury.
- 30/09/2022 – Northern Connection (Chatswood)- Traffic, Transport & Parking - Resident called to express frustration that a truck was in the way of his driveway when he returned home. Asked that the truck please be moved. Resident later thanked the project team for their speedy response.

Complaints during this reporting period unrelated to SM activities:

- 15/09/2022 – Waterloo (LWW) - Noise & Vibration – OOHW - Resident emailed stating that for the last three nights, they have been hearing tunnelling noise and sensing vibrations. Further investigation of complaint deemed that works were not related to SM/SC activities based on resident’s location, distance to SC works/Station works/tracks and that SC have concluded all civil work and have light mechanical & electrical fit out activities within the tunnels. At the location closest to the resident, no activities occurring overnight except for the operation of a high rail (low impact and consistent activity over the past 6 months).
- 22/9/2022– Campsie Substation - Noise & Vibration – OOHW -Resident called to complain about excessive noise from the construction site next to his house. Further investigation deemed that works were not related to SC/ Downer and that it could be local council works currently being undertaken.

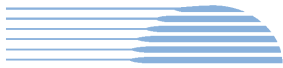
Audits

- Nil this reporting period

ER Closing Comments and Looking Forward

Key Points:

- All complaints received in reporting period are summarised above. Further analysis of this shows only one of these related to OOH Noise complaint regarding metal clanging around 10pm at night (related to Chatswood Dive Site). The



ER notes that this complaint triggered SC to act promptly, further review and revise applicable OOHW work practices on surface including delivering a toolbox to relevant site team.

- No OOH Noise/Vibration complaints received from the Southwest Corridor two-week shutdown that is in progress related to LWW works.
- Current works at LWW sites continue to be managed appropriately; ER Inspections across this month (including possession inspection) continued to identify generally minor actions and improvements.
- Overall, the Project performed well in the reporting period. The Project Team continue to be responsive to queries/comments raised in document reviews and recommendations made by the ER.

Looking forward:

- Water/ERSED management from wet weather
- Two week shutdown continuing along Southwest Corridor (24 September – 9 October 2022)
- Chatswood Station rail possession October 2022(3 – 9 October 2022)
- Blues Point streetscaping/enhancement works during Standard Construction Hours along Blues Point Road and Henry Lawson Avenue – scheduled between Jul 2022 with completion by Q4 2022 (continuing).
- Surry Hills BPS (Randle Ln Surry Hills) – preparatory works for permanent cable pull and cable pulling to Central Station largely during standard construction hours and Sunday daytime OOH works (with some Sundays as contingency).
- Canterbury to Campsie BPS works – Cooks Ave Joint Bay backfilled and worksite demobilised in Aug 2022. Sealing works (Anzac St and South Parade joint bays) to avoid water ingress, further testing for water leakage and determining further actions for management.
- Contingency OOHW for dewatering (dependant on wet weather) – extended with anticipated completion in mid-November 2022. To date SC has reported no OOHW undertaken for dewatering.

4. TSOM

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Train Service Operation and Maintenance (TSOM)	Swathi Gowda (North /South) George Kollias (Alternate ER)
Key Construction Activities During the Period (September 22)		
<ul style="list-style-type: none"> ▪ SMTF-North: Dynamic train testing between SMTF North and Chatswood ▪ SMTF-South: <ul style="list-style-type: none"> ○ Cable tray, cables and cabinet installation in Administration Building ○ Installation of trackside equipment and cable pulling in the stabling yard ▪ Southwest Substations: Installation of radio mast at Campsie and Bankstown Substations ▪ Southwest Corridor: <ul style="list-style-type: none"> ○ Installation of radio mast at Canterbury, Lakemba and Campsie ○ Installation of new signal equipment and cables between Dulwich Hill and Wiley Park ○ Site inspection and survey works along Bankstown Line ▪ Northern Corridor: Cable pulling and termination at Chatswood Station (days and nights – 3 to 4 September) ▪ Tunnels: Ongoing installation of cables and trackside equipment in tunnels, Cross Passages (XPs) and 5G Installation ▪ Stations: <ul style="list-style-type: none"> ○ Central, Waterloo, Martin Place, Victoria Cross, Crows Nest, Pitt Street and Barangaroo: Installation of Platform Screen Doors (PSDs), communications and signalling equipment and cables ○ Sydenham: Platform Edge Barrier (PEB) defect work. Testing and commissioning communications equipment. 		
Key Construction Activities Look Ahead – October 2022		
<ul style="list-style-type: none"> ▪ SMTF-North: Dynamic train testing between SMTF North and Chatswood ▪ SMTF-South: <ul style="list-style-type: none"> ○ Cable tray, cables and cabinet installation in Administration Building ○ Installation of trackside equipment and cable pulling in the stabling yard ▪ Southwest Substations: Installation of radio mast at Campsie and Bankstown Substations ▪ Southwest Corridor: <ul style="list-style-type: none"> ○ Installation of radio mast at Canterbury and Lakemba ○ Installation of new signal equipment and cables between Sydenham and Punchbowl ○ Site inspection and survey works along Bankstown Line ▪ Northern Corridor: Cable pulling and termination at Chatswood Station ▪ Tunnels: Ongoing installation of cables and trackside equipment in tunnels, XPs and 5G Installation <p>Stations</p> <ul style="list-style-type: none"> ○ Central, Waterloo, Martin Place, Victoria Cross, Crows Nest, Pitt Street and Barangaroo: Installation of PSDs, communications and signalling equipment and cables ○ Sydenham: PEB defect work. Testing and commissioning of PEBs and communications equipment. 		
ER Inspections		
<ul style="list-style-type: none"> ▪ No ER inspections conducted in September. 		
Photos		
<ul style="list-style-type: none"> ▪ N/A 		
Endorsed Document/s		
<ul style="list-style-type: none"> ▪ Nil 		
Non-compliance/ Incidents or Repeat Complaints		
<p>Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for the respective projects.</p> <ul style="list-style-type: none"> ▪ The ER is not aware of any complaints or non-compliances. There were no incidents for TSOM reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256. 		
Audits		
<ul style="list-style-type: none"> ▪ No audits proposed 		
Looking Forward – Core Focus Areas		
<ul style="list-style-type: none"> ▪ Nil 		

5. ISD – Crows Nest

Project Approval		Environmental Representative/s
SSI 7400 (C2S) No EPL	Crows Nest ISD (CN-ISD) AW Edwards	Rui Henriques / George Kollias
Key Construction Activities During the Period		
<ul style="list-style-type: none"> ▪ Waterproofing (patch works), steel fixing and shuttering (Sites A - C) ▪ Concrete pumping and pouring (Level 0 pours) ▪ B4 OTE and fit out works ▪ Services, finishes, and fit out of B5 platform, B4 OTE, B3 plant room. ▪ Line Wide fit out works on B6 (Platform) ▪ Dewatering the surface water from the site due to heavy rain ▪ Demolition of Hume Street Bridge structural steel members ▪ Steel Truss deliveries ▪ Demolition of Hume Street Bridge structural steel members ▪ Demolition of the southern capping beam ▪ Demolition of the capping beam at site C. ▪ Public domain work at Clarke street ▪ Installation of steel trusses ▪ Slab and Wall pours ▪ Extension of Tower crane 2 		
Key Construction/Activities Look Ahead		
<ul style="list-style-type: none"> ▪ Demolition of the capping beams ▪ Steel fixing and shuttering (Sites A - C). ▪ B4 OTE cladding and fit out ▪ B2 to B1 and ground Perimeter walls FRP and concrete pours ▪ Girder deliveries for B1/Level 0 ▪ B1 FRP ▪ Services, finishes and fit out of B5 platform, B4 OTE, B3 plant room. ▪ Line Wide Fit-out works on B6 ▪ Potholing, service investigations and removing the Gantry ▪ Preparation works for Tower crane 3 for Jump Work of Site C ▪ Disassembly of Tower crane 1 and replacement ▪ Tree removal on Oxley and Clarke Streets ▪ Installation of Class B hoarding around Site C. ▪ Public domain work at Clarke street ▪ Installation of steel trusses ▪ Service investigation work Pacific Highway 		
ER Inspections		
<p>There was one ER inspection on 21 September 2022 (ER inspections are on a fortnightly cycle weather and health permitting). The inspection was conducted by the ER. The following issues were raised:</p> <ul style="list-style-type: none"> ▪ Minor ancillary facility (MAF) on Clarke Lane North has been extended beyond the approved limits (to 26 Clark Lane carpark access), and materials are not stored in accordance with REMM LV1. These occurrences constitute Non-Compliances with Conditions of Approval (CoA) A18 and A19, as well as with REMM LV1. AWE to limit use of Clark Lane as an MAF to no more than the footprint approved by the ER (see below) and in a manner consistent with the requirements of CoA A19 and REMM LV1. AWE to raise Non-compliance/s and prepare an NCR with adequate preventative measures. ▪ Clarke Lane south stormwater pit erosion and sediment controls require maintenance. 		



Photos



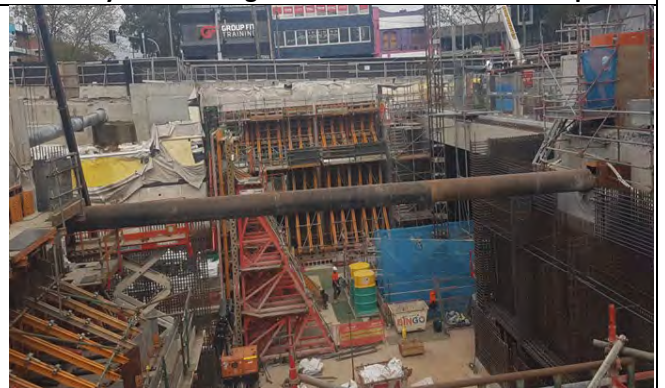
Clarke Lane North MAF – Extended north beyond approved boundary.



Clarke Lane North MAF – Deliveries at extended boundary encroaching on access to 26 Clarke St carpark.



South: Jump form at Level 2.



Site C view west– Capping beam remaining



View north of B1/0 slab showing steel trusses in place



Hume St - Concrete Bridge removal completed



View Northwest - B/B0 central slab



Site C view west – Perimeter wall shuttering and FRP



View south at Clarke St (No.28 to 30 20): Utilities works area well managed



Site A - B2 to B0 concourse internal structural and slab platform steel

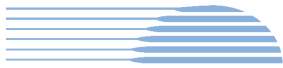
Endorsed Document/s

- Extension of approval of Clarke Lane minor Ancillary Facility to 1 November 2022 to align with extension to ROL
- Extension of approval of OOHW 010 – Extended Hours Works to the end of October
- OOHW 17 - Service investigations Pacific Highway West (26 and 27 September or 28 to 30 September)

Complaints / Incidents / Non-compliance

Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to complaints have been noted in each complaint report, with follow up actions often defined in revised reports. Complaints are discussed where relevant for each package below.

There were no incidents for any of the ISDs reported to the ER under conditions A41 to A44 of SSI 7400. Where the ER is aware of minor events and non-compliances, these are as documented below.



Three (3) potential or actual non-compliances were reported to or identified by the ER:

- 21 September – At an ER inspection the ER observed Clarke Lane North Minor Ancillary Facility (MAF) was extended north beyond the approved limits, and materials were not stored in accordance with REMM LV1. Non-Compliances with Conditions of Approval (CoA) A18 and A19, as well as, with REMM LV1. An NCR has been received for ER review.
- 28 September - Non-Compliance with Condition of Approval (CoA) E44. Stakeholder expressed concern over loud noise (self-measured at 70 dBA) from concrete hammering on Level 0 occurring outside her window at 18:15 (outside construction hours). ER awaiting additional information.
- 28 September - Stakeholder communicated she heard drilling noise at 57 dBA (self-monitored) after standard construction hours (19:25). Upon investigation AWE confirmed that “drilling” was going on Pacific Highway due to a. internal miscommunication. AWE indicated that a Non-Compliance (NCR) was raised in the project complaints log. The ER is awaiting additional information.

There were twelve (12) complaints during the period, as follows:

- 7 September – Complaint related to TSS rather than the Crows Nest ISD Project
- 12 September – Clarke St Stakeholder expressed dissatisfaction with no prior consultation on delayed reopening of Clarke Lane (south) due to crane extended boom install delays due to windy conditions during works. AWE provided paid parking until wind dropped and install was completed.
- 12 September – Stakeholder complaint about water turned off without no prior notification. Upon investigation complaint was considered unrelated to Crows Nest station works.
- 14 September – Stakeholder expressed concern over vibration levels felt at property last week between the hours of 12am -1am. Work was not occurring at Crows Nest during this time. Complaint forwarded to Systems Connect. Possible works from council, Ausgrid, Sydney Water etc.
- 14 September – Stakeholder expressed dissatisfaction with noise levels during standard hours, respite hours, and OOH. Stakeholder has an infant who is having trouble sleeping. Her residence faces the Cranes. AWE informed stakeholder this is being investigated with internal team, provided stakeholder with current communications, and added stakeholder to comman for future work updates, and offered ear bud respite offer to stakeholder. Awaiting additional information
- 19 September - Building owner sent an email to the Crows Nest station team about workers sitting on the footpath outside the designated break areas, and in front of the fire safety door. Upon investigation AWE found the issue to be connected to Linewide works, not ISD.
- 20 September - Stakeholder expressed concerns in Clarke Lane (north) around traffic management and worker behaviour including workers being in the middle of the laneway, and forklift driver not being guided by traffic controller(s). AWE included complaint/topic in general toolbox talk and toolbox talk for forklift drivers, placed two traffic controllers on Clarke Lane (north) at all times and communicated to workers to keep laneway clear at all times, with forklift activities to be reduced unless required. The ER noted similar issues on Clarke Lane north during the inspection of 21 September.
- 21 September - Stakeholder expressed discontent with not receiving her request of noise cancelling headphones (as requested during initial consultation on Tuesday 20 September for upcoming potholing OOH work (scheduled 26 and 27 September). AWE Rang back stakeholder and offered respite offer of personalised earbuds. Offer was declined. Stakeholder only wants noise cancelling headphones and requested her complaint be escalated. AWE then responded in writing with possible solutions and next steps should she want to escalate the matter. Note that the works have been re-scheduled to early October. ER awaiting further information on the matter.
- 23 September - Director of Kids' childcare centre in park across the road from utility works on Clarke Street approached subcontractor team member to enquire on approved noise levels during respite hours (12pm - 2pm) as it was inconveniencing children's nap time. AWE advised the stakeholder that the noise during respite hours is within approved noise levels. Reportedly the stakeholder was comfortable with work to continue, and AWE advised they will monitor noise levels Clark St utilities work moving forward.
- 28 September (17:03) - Stakeholder expressed concern over loud noise on site (self-measured at 70 dBA) occurring outside her window. Stakeholder has a 3-month-old baby who's bedroom faces Clarke Lane north. Upon investigation AWE confirmed it was jackhammering of a slab. AWE informed stakeholder that noise is acceptable for less 6 hours in any given day, provided assurance the noise would stop at 6pm, and organised in house noise monitoring for the following week. ER awaiting further information.
- 28 September (18:15) - Stakeholder called to complain that noisy work (jackhammering of the slab) was continuing until approximately 6.30pm when it was supposed to stop at 6pm as informed. AWE rang back to apologise and



stakeholder confirmed the noisy work stopped at approximately 6.30pm. The ER is awaiting further information on the matter.

- 28 September (19:25) - Stakeholder (no location provided) communicated she heard drilling noise at 57 dBA (self-monitored) after standard construction hours (19:25). Upon investigation AWE confirmed that “drilling” was going on Pacific Highway due to a. internal miscommunication. AWE indicated that works were stopped immediately, and it was recorded in the communication log that a non-compliance (NCR) was raised. ER awaiting additional information.

Audits (specific to packages reported in this report)

No ER involvement in audit activity including Independent Environmental Audits.

Looking Forward – Core Focus Areas and ER Closing Comments

Core Focus Areas

Feasible and reasonable mitigation measures and methodologies proposed for upcoming capping beam removal works, , upcoming utilities investigation and installation works, and noise intensive works on Level 0.

ER Closing Comments:

The consistency of community consultation and engagement declined during the period due to various changes in community relations personnel and, it appears, some communication breakdown with the environmental team. An appreciable increase in noise and vibration related complaints was noted as a result.

6. ISD – Pitt Street

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) No EPL	Pitt Street ISD (PS-ISD) CPB Contractors	Rui Henriques / Michael Woolley
Key Construction Activities During the Period		
<p>Pitt Street North</p> <ul style="list-style-type: none"> ▪ Level 2 FRP ongoing, close to completion ▪ Capping beam demolition along Park Street – ongoing. ▪ FRP for Level 3 started from the east and west to the centre ▪ OSD high-rise core establishment ▪ Level 04 FRP ▪ Level 01 complete ▪ OSD Central Core (kicker) wall reinforcement installation and concrete pours in progress from L02-L03. ▪ Speed Panels (All Basement Levels) <p>Pitt Street South</p> <ul style="list-style-type: none"> ▪ Main jump at Level 7 (1st Over station Construction SSD level) ▪ Level 06 FRP ▪ Precast Façade Panels Level 03 - 06 ▪ Perimeter Scaffolds Princeton Apartments, The Edinburgh Castle, FRNSW, Pitt Street & Bathurst Street ▪ B1 Blockwork ▪ Speed Panels (All Basement Levels) ▪ Mechanical, Electrical and Plumbing to B4 - 00 ▪ Partitions & Ceilings B4 – 00 ▪ B2 Critical Equipment Deliveries: Mechanical Switchboards, LV Switchboards & HV Switchgear <p>Adits and Platform Caverns</p> <ul style="list-style-type: none"> ▪ GRC (lower internal cladding) panel installation nearing completion (47 out of 616 panels to be installed) ▪ Installing cladding subframes above GRC panels ▪ Platform Screen door cladding 70% complete ▪ Platform Screen door installation 75% complete ▪ Services containments install to platforms ▪ Ceiling cladding installation 75% complete 		
Key Construction/Activities Look Ahead		
<p><u>Pitt Street North</u></p> <ul style="list-style-type: none"> ▪ Capping beam demolition along Park Street. ▪ FRP for Level 3 from the east and west to the centre ▪ OSD high-rise core establishment ▪ Level 4, 5 and 6 FRP ▪ OSD Central Core (kicker) wall reinforcement installation and concrete pours L02-L05. ▪ Speed Panels (All Basement Levels) <p><u>Pitt Street South</u></p> <ul style="list-style-type: none"> ▪ Level 06 FRP ▪ Precast Façade Panels Level 03 - 06 ▪ Perimeter Scaffolds Princeton Apartments, The Edinburgh Castle, FRNSW, Pitt Street & Bathurst Street ▪ B1 and Ground Blockwork ▪ Speed Panels (All Basement Levels) ▪ Mechanical, Electrical and Plumbing to B4 - 00 ▪ Partitions & Ceilings B4 – 00 ▪ B2 Critical Equipment Deliveries: Mechanical Switchboards, LV Switchboards & HV Switchgear <p><u>Adits and Platform Caverns</u></p> <ul style="list-style-type: none"> ▪ GRC (lower internal cladding) panel installation completion 		

- Installing cladding subframes above GRC panels completion
- Platform Screen door cladding
- Platform Screen door installation
- Services containments install to platforms
- Ceiling cladding installation

ER Inspections

There was one ER inspection on 27 September 2022 (ER inspections are on a three weekly cycle weather and health permitting). The following issues were raised during the inspection:

- CPB to investigate improvements to visual and acoustic segregation to improve Princeton apartments resident privacy and acoustic exposure.

Photos



Pitt St South (PSS): Level 6 slab FRP.



PSS: Core jump form at Level 7 - into OSD space.



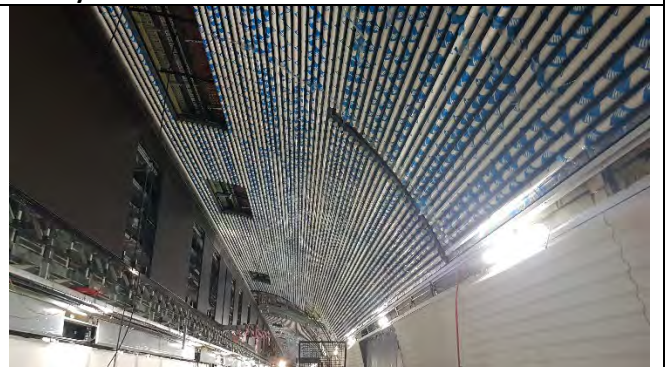
PSS - Level 6 FRP underway adjacent Princeton Apartments.



PSS - North west corner adjacent Princeton apartments' courtyard and balconies



West Adit: Platform Sliding Door and cladding installation nearing completion



West Adit: Ceiling insulation and cladding installation nearing completion.

	
<p>Northern Cavern: Installation of Ceiling claddings.</p>	<p>PSN: South-eastern Level 4 Slab FRP.</p>
	
<p>PSN south-eastern (Castlereagh Boutique Hotel)side : Central Level 5 FRP and OSD Jumpform</p>	<p>PSN south-western side: Level 5 and 6 FRP</p>
<p>Endorsed Document/s</p>	
<ul style="list-style-type: none"> ▪ OOHW 040 - Facade Installation - extended to end of October due to weather and program delays ▪ OOHW 043 – Utilities Installation to commence in August - extended to 15 October due to program delays, ROL dates and attendant lack of adequate verification monitoring. ▪ OOHW 046 - Extended Work hours October to December 2022 ▪ OOH_0047 – One Long Running (4am to 2am) concrete pour and finishing to occur once between October and November 2022 ▪ OOHW 048 – Footpath Reinstatement at Pitt Street North – 2 day shifts (8 am to 7 pm) one weekend between October and December. 	
<p>Complaints / Incidents / Non-compliance</p>	
<p>Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to complaints have been noted in each complaint report, with follow up actions often defined in revised reports. Complaints are discussed where relevant for each package below.</p>	
<p>There were no incidents for any of the ISDs reported to the ER under conditions A41 to A44 of SSI 7400. Where the ER is aware of minor events and non-compliances, these are as documented below.</p>	
<p>There were no non-compliances/incident reported to the ER this period.</p>	
<p>There was one complaint and two compliments during the period:</p>	
<ul style="list-style-type: none"> ▪ 14 September (22:21) - Resident complaint about noise from Pitt Street South site. Upon investigation it was found that works underway on top level at the time was drilling into plywood which was stopped immediately. CPB spoke with the resident to advise of the work taking place and source of the noise, and that the Site Supervisor stopped the drilling. Resident appreciated the update and quick action. Noise generated did not exceed levels and did not trigger real-time monitor alarm. CPB team reiterated noise requirements to night shift construction workers in the context of the complaint. ▪ 29 September – A compliment was received from Eurotower stating: <i>“Just letting you know (and it’s probably far gone, the window of opportunity) I won’t need a sit down to discuss any of the construction time changes. I’ve moving house in about three weeks. So I’ll report any Donna Summer or AC/DC until then. But I just wanted to say: Thank you for being so proactive and helpful with any of the emails I’ve sent, enquiries, feedback etc. Although we’ve only spoken on the phone, I appreciate it and I wanted to remark: you’re stellar!”</i> 	



- 29 September – A compliment was received from the Krimptom Margot Hotel stating: *“Thank you for the advance notice for this major job and the consistent communications. We greatly appreciate the efforts you and the site crew make towards minimising impact on our guests.”*

Audits (specific to packages reported in this report)

No ER involvement in audit activity including Independent Environmental Audits.

Looking Forward – Core Focus Areas and ER Closing Comments

Core Focus Areas

Out of hours planned to continue, including utilities installation in surrounding streets.

ER Closing Comments:

Project has performed very well throughout the period, with frequency of complaints related to project remaining negligible despite the continued level of activity on the site and surrounding public domain areas. This can be credited to the project’s level of community engagement effort as evidenced by the compliments received.

7. ISD – Waterloo

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) (Does not include associated SSDs)	Waterloo ISD – John Holland	Swathi Gowda/Jo Robertson
Key Construction Activities During the Period		
Update provided by Contractor on 01/09/2022:		
<ul style="list-style-type: none"> ▪ Utilities works ongoing for HV/LV & Sydney Water scope ▪ Investigative works to remove redundant Ausgrid cables ▪ Cranage works from Cope Street South (moving towards North) and internal site ongoing ▪ General deliveries ongoing ▪ FRP conducted from surface level to level 2, Northern end ▪ Tiling of Platform - Level B5 ▪ Electrical cable pulling in the station ▪ Earthing pit related works on Cope Street ▪ Capping beam removal - Southern capping beam (Wellington St side) being removed using wire saw 		
Key Construction/Activities Look Ahead		
<ul style="list-style-type: none"> ▪ CTR Q2 2022 reporting/ review continuing ▪ Consistency Assessment for Cope St Closure ▪ Ongoing utility works ongoing in local roads around site, including OOH ▪ Concreting works, including OOH ▪ Sections of capping beam removal continuing with wire saw methodology (during standard hours) 		
ER Inspections		
ER inspections are on a three weekly cycle weather permitting. No scheduled ER Inspection on 22 September 2022 due to declared Public Holiday.		
One ER inspection was conducted by the ER on 01 September 2022 [Thursday; Rainfall (mm) recorded prior to inspection day – 0.0mm (31/08), 0.4mm (30/08), 0.0mm (29/08)]. No new issues/actions were raised. Following notes were raised:		
<ul style="list-style-type: none"> ▪ Cope St compound – ongoing monitoring required by JHG, to address minor gaps in installed noise blankets. ▪ Cigarette butt disposal observed around pre-start area. Raised and discussed with JHG and noted that issue had already been raised internally by JHG ESM with Project. To be observed/monitored for improvement. 		

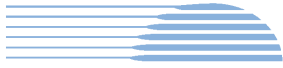
Photos





<p>WL ISD: Above Ground Service Building 1 (Southern end of Cope/Wellington St) - Level 2 completed. Propping and blockwork continuing.</p>	<p>WL ISD: Northern Building – Cranage works ongoing.</p>
	
<p>WL ISD: Section of capping beam removed on Cope St, using wire saw.</p>	<p>WL ISD: Investigative works to remove redundant Ausgrid cables near section of Capping Beam (Cope St side).</p>
	
<p>WL ISD: Capping beam removal with wire saw on the Southern End (Wellington St side).</p>	<p>WL ISD – Station Box: Waterproofing works underway for the roof.</p>
	
<p>WL ISD – Level B3: Top hats installed on the wall for cladding.</p>	<p>WL ISD - Station Platform: Platform tiling works underway.</p>

Endorsed Document/s
<ul style="list-style-type: none"> ▪ Construction Environmental Management Plan Rev 3 ▪ Spoil Management plan Rev 3 ▪ Heritage Management Plan Rev 3 ▪ Groundwater Management Sub Plan Rev 3 ▪ Visual Amenity Management Sub Plan Rev 3 ▪ OOHWA #44 – Sep Oct Nov 2022 (Utilities) Rev C
Complaints / Incidents / Non-compliance
<p>Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to complaints have been noted in each complaint report, with follow up actions often defined in revised reports. Complaints are discussed where relevant for each package below.</p> <p>There were no incidents for any of the ISDs reported to the ER under conditions A41 to A44 of SSI 7400. Where the ER is aware of minor events and non-compliances, these are as documented below.</p>
<p>Two minor (Class 3) event and nil non-compliances (NC) were reported to the ER during this reporting period. Summary of minor events provided below:</p> <p>Incidents:</p> <ul style="list-style-type: none"> ▪ 12/09/22 – Class 3 – WL ISD – Cope St - After refuelling Crane whilst packing up, leak from connection point on truck tank occurred leading to minor spill (~9L) on-site (hardstand). Equipment was shutdown, leak stopped and spill kit materials used to clean spill. ▪ 28/09/22 – Class 3 – WL ISD – Waterloo Site Station Box Level B3 - leak in radiator of Melrose crane leading to minor spill (around 1-2L) on-site (hardstand). Equipment was shut down and spill kit material used to clean up spill. <p>Complaints during reporting period are summarised below:</p> <ul style="list-style-type: none"> ▪ 2/09/2022 - Worker behaviour - Caller made a complaint regarding security guard at the Waterloo Project ▪ 20/09/2022 - Noise & Vibration -OOHW - Caller advised they are 70m from the Metro station and there are currently works taking place. Appears to be concrete being cut with a saw or a chainsaw running and that its nearly 23:00. Resident was contacted and advised that all saw cutting was now complete as of 10.40pm. Works (approved OOHW) would continue but noise levels would be lower. Resident was also advised that there would be work tomorrow night but its further down Wellington St towards Botany Rd, which should lessen the noise. ▪ 21/09/2022 - Noise & Vibration - OOHW - Excessive noise past Midnight. Sounds like cement cutting or some motorised machine. Intermittently going off and on. OOHW approved and AA offered to residents close by however, this property was not triggered by AA. Contacted resident to advise no works are planned for tonight. Note this resident complained previously on 20/09 about the same noise (refer above complaint). ▪ 21/09/2022 - Noise & Vibration – Standard hours/ Worker behaviour: Noise complaint re: works. Issue occurred approximately at 16:30 on 21/09. Caller advised that a van which caller believes belongs to the workers had music blaring very loudly and disturbing residents for approximately 30-45 minutes. Caller stated that it happens periodically. S&CLM spoke to resident and apologised for music and worker behaviour and advised resident that JHG speak to workers in induction regarding music and behaviour and will also re-toolbox workers on these topics. Resident sent though footage but van could not be identified nor workers; could just hear music through a tree. ▪ 27/09/2022 - Noise & Vibration OOHW - Complaint regarding noise at night after 11pm and effects on community and sleep. Resident described the noise as sheet metal banging. CSM apologised for disturbance and offered ear moulds and explained some works (approved under OOHWA) need to be done at night and JHG try and minimise noise where possible at night. <p>Complaints unrelated to SM activities during reporting period:</p> <ul style="list-style-type: none"> ▪ 6/09/2022 - Waterloo Station – Noise and vibration OOH - Caller advised excessive noise from works occurring on Botany Rd, Waterloo. Caller declined to leave details. JHG checked site hive data for noise levels and activities - noting only traffic noise was reported before and after call was received. No activities taking place on Botany Rd by JHG. Deemed unrelated to SM/JHG activities.
Audits (specific to packages reported in this report)
<p>No ER involvement in audit activity including Independent Environmental Audits.</p>



Looking Forward – Core Focus Areas and ER Closing Comments


Core Focus Areas

- Continue to review/monitor OOHs planned and approved and promote the inclusion of noise mitigation wherever practicable.
- Continue to review/monitor complaint numbers and issues.

ER Closing Comments:

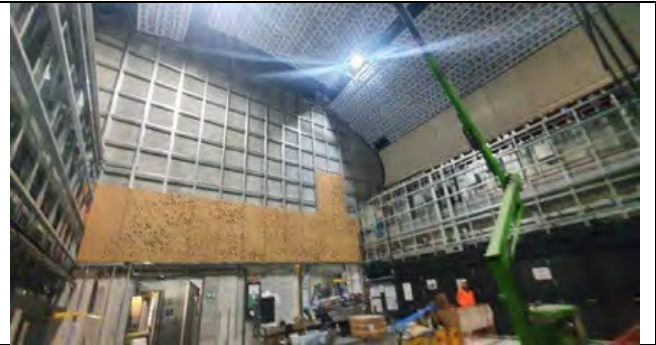
- All complaints received in reporting period were as noted above.
- Three complaints related to OOH noise and complaint numbers remain consistent with the previous month. Of the three OOH noise complaints, two OOH noise complaints were received from the same resident on 20/09 and 21/09.
- Contractor's Community and Stakeholder Manager continued providing complaint details/follow-up and close-out as requested, to ER and AA.
- Project has performed generally well throughout the period and has been responsive to queries/comments raised in document reviews and any recommendations made by the ER.

8. ISD – Victoria Cross

SSI 7400 (C2S) No EPL	Victoria Cross ISD (VC-ISD) Lend Lease	Swathi Gowda / Michael Woolley
Key Construction Activities During the Period		
Construction Activities - Update provided by Contractor on 14/09/22:		
VC North (VCN):		
<ul style="list-style-type: none"> ▪ Level 2 concrete pour completed ▪ Plenum Level B08 ▪ Structural works within plenum, concrete pours/steel fixing/formwork (up to ground level) ▪ Fit out works and services within the shaft 		
Station Cavern:		
<ul style="list-style-type: none"> ▪ Trackway handed over to Line Wide ▪ Blockwork and GRC panels installation ▪ Station fit-out 		
VC South (VCS):		
<ul style="list-style-type: none"> ▪ Carpark slab (up to B01)/station slabs concrete pours (B02), steel fixing and formwork ▪ Station Jumpform Level 2 ▪ Jumpform pours and lifts ▪ Waterproofing, blockwork ▪ Denison St stormwater works (Stage 3)- ongoing for next two months 		
Key Construction/Activities Look Ahead		
<ul style="list-style-type: none"> ▪ Investigation of capping beam removal methodology (potentially using wire saw where feasible) ▪ Denison Street stormwater work ▪ Review of management plans (scheduled review) ▪ CTR Q2 2022 reporting/ review continuing ▪ Victoria Cross South site – Ongoing OOH (evening & weekend) October – December 2022 ▪ Victoria Cross North site – Ongoing OOH works (evening/ weekend OOH) October – December 2022 		
ER Inspections		
ER inspections are on a three weekly cycle weather permitting. One ER inspection was conducted on 13 September 2022 (Tuesday; Rainfall on previous days to the inspection: 0.0mm - 12/09 and 11/09; 2.0 mm 10/09). The following issues/actions were raised:		
<ul style="list-style-type: none"> ▪ VCN – McLaren St: Some disturbance on concrete/bitumen surface observed at the site access/egress. Stormwater drain noted in proximity. Discussed with LL regarding monitoring area/tidying up including addressing disturbed surface. ▪ Station Cavern /Level B6: Noted tonal reversing alarm on EWP operating within Station Cavern and tonal vertical movement alarm on EWP at Level B6. Discussed with LL to investigate and swap out to non-tonal movement alarms. ▪ VCS - Minor tagging observed on VCS site hoarding at the time of the inspection. ▪ Denison St - Minor maintenance required around kerb drain ESC. 		
Photos		
		
Victoria Cross North – McLaren St: Tree protection noted to remain in place.	VCN – North Yard Area: Concrete deliveries in acoustic enclosure.	



View of VCN (North Shaft area) from Miller St.



Station Cavern: Façade installation works noted to have commenced within Station Cavern.



Victoria Cross South: Station Level B2 - concrete pour underway.



Victoria Cross South: Level B1 Carpark - concrete pour underway.



Denison St: Stage 3 stormwater works underway.



Denison St: Stage 3 stormwater worksite with noise blankets installed along section of worksite.

Endorsed Document/s

- OOHWA #17 - Victoria Cross South evening & weekend site works (Oct – Dec 2022) Rev 9
- OOHWA #15 - Victoria Cross North Site evening OOH (Oct – Dec 2022) Rev 17
- OOHWA #20 - North site weekend OOH (Oct – Dec 2022) Rev 9
- OOHWA #22 - Utilities Investigations North Site Rev 4

Complaints / Incidents / Non-compliance

Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to complaints have been noted in each complaint report, with follow up actions often defined in revised reports. Complaints are discussed where relevant for each package below.

There were no incidents for any of the ISDs reported to the ER under conditions A41 to A44 of SSI 7400. Where the ER is aware of minor events and non-compliances, these are as documented below.



- Nil incidents or non-compliances reported to the ER during this reporting period.
- Three Project related complaints during the reporting period are summarised below:
- 19/09/2022 – Worker behaviour/ Noise & Vibration OOH – resident complained about music from the worksite playing at a high volume and that she is fed up with it. Resident was informed that the site team has been repeatedly reminded not to have music on in the early hours, never at excessive volumes and that music will be banned from level 00 and up on the northern site. Complainant has complained previously re worker behaviour.
 - 26/09/2022 - Noise & Vibration – OOH – Complaint from resident regarding loud construction noise, trucks and concrete cutter noise coming from Miller Street. Wanted to understand how long/how many nights the work will take place and that the noise had finished as he was on the call. SCLM confirmed these noisy works will take place again tonight however the concrete cutting (loudest works) had been completed and if resident would like to be added to the upcoming works emails (resident declined).
 - 27/09/2022 - Noise & Vibration – OOH – Complaint from resident regarding noise and that it was occurring for more than one night in a row. Wanted to know when the late nights will stop. SCLM outlined the nature of the Miller St (utilities investigation) works to the resident, confirmed that the works had been completed and that the site will go back to normal hours, with low noise OOH activities from 6pm to 10pm.

Complaints unrelated to SM activities for this reporting period:

- 31/08/2022 - Noise & Vibration – OOH – Local resident calling about second night of road works. Wanted to understand what was to be expected. Disturbed by construction on freeway ramp starting 20:40. Further investigation of complaint deemed that works were not related to Sydney Metro/ Vic Cross ISD activities.

Audits (specific to packages reported in this report)

No ER involvement in audit activity including Independent Environmental Audits.

Looking Forward – Core Focus Areas and ER Closing Comments



Core Focus Areas





- Denison Street stormwater work (potential OOH maybe required - TBC)
- Investigation of capping beam removal methodology continuing (potentially using wire saw where feasible)
- Continue to review/monitor OOHs planned and approved:
 - Victoria Cross South site – Ongoing OOH (evening & weekend) extended to October – December 2022
 - Victoria Cross North site – Ongoing OOH works (evening/ weekend OOH) extended to October – December 2022
- Continue to review OOH noise monitoring including any new modelled scenarios in OOHs, any associated complaints and issues.

ER Closing Comments:

Complaints in reporting period are noted above. Two OOH related complaints received in September 2022 for Utilities Investigation Works on section of Miller St approved under OOH#22 for two nights; with these works now completed. The Project continues to be responsive to any queries/ considerations or recommendations made by the ER/AA.

9. ISD – Martin Place

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) No EPL	Martin Place ISD (MP-ISD) Macquarie Bank/Lend Lease	Michael Woolley / Rui Henriques
Key Construction Activities During the Period		
<p>Bligh Street:</p> <ul style="list-style-type: none"> ▪ Concrete deliveries and pumping. Various other deliveries. ▪ Ongoing operation of the Water Treatment Plant (WTP) and discharge of water to stormwater. <p>Martin Place South (MPS)</p> <ul style="list-style-type: none"> ▪ Ongoing construction (FRP) of walls; columns, beams and floor slabs up to street level, with jump form above this level. ▪ FRP for the slab in Martin Place that will form the pedestrian way of Martin Place. ▪ Other general construction activities. ▪ Utilities and hoarding works (OOHWs). <p>Martin Place North (MPN)</p> <ul style="list-style-type: none"> ▪ Various building work activities ongoing such as FRP for columns; lift shafts; walls; floor slabs and other various items. Various works within the SSD well above the SSI level. ▪ Tower crane installed and operating adjacent Elizabeth Street. ▪ Façade and glass installation on Hunter and Elizabeth Streets. <p>Station Caverns and Adits</p> <ul style="list-style-type: none"> ▪ Installation of ventilation/exhaust systems ▪ Other fit out activities including installation of panelling, services and fire safety systems. ▪ Line Wide works in the station caverns – separated from Lend Lease activities. 		
Key Construction/Activities Look Ahead		
<ul style="list-style-type: none"> ▪ Activities as described above ongoing. ▪ OOHWs relating to utilities and hoarding and other construction activities. ▪ Planned removal of the temporary pedestrian bridge with pedestrians to walk over the MPS site. 		
ER Inspections		
<p>There was one ER inspection conducted by the ER on 20th September 2022. No issues were raised during the inspection. Site activities continue to be repetitive in nature and are building related works rather than civil works.</p>		
Photos		
		
<p>Martin Place North: Views from street level on Castlereagh and Hunter Streets. SSI works that top out at Level 7. Installation of glass façade ongoing</p>	<p>Pedestrian Tunnel</p>	

	
<p>Station: Ongoing Fit out of stations and caverns</p>	<p>Caverns: Ongoing Fit out of stations and caverns</p>
	
<p>Caverns: Ongoing Fit out of stations and caverns</p>	<p>Martin Place South: FRP works for the concrete slab that comprises the Martin Place pedestrian thoroughfare.</p>
<p>Endorsed Document/s</p>	
<p>MP-ISD OOH96 - Ausgrid works Rev 2 MP-ISD OOH95 - North Site Facade works Rev 2 MP-ISD OOH94 - North Site hoarding works Rev 8</p>	
<p>Complaints / Incidents / Non-compliance</p>	
<p>Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to complaints have been noted in each complaint report, with follow up actions often defined in revised reports. Complaints are discussed where relevant for each package below.</p>	
<p>There were no incidents for any of the ISDs reported to the ER under conditions A41 to A44 of SSI 7400. Where the ER is aware of minor events and non-compliances, these are as documented below.</p>	
<p>There were no complaints reported to have been received by Lendlease during the reporting period. Nil incidents under the MCoA or non-compliances were reported to or observed by the ER during this reporting period for the Martin Place site.</p>	
<p>Audits (specific to packages reported in this report)</p>	
<p>No ER involvement in audit activity including Independent Environmental Audits.</p>	
<p>Looking Forward – Core Focus Areas and ER Closing Comments</p>	
<p>Nil</p>	

10. Barangaroo Station (BESIX Watpac)

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Barangaroo Station (BESIX Watpac)	N/A	Jo Heltborg
Key Construction Activities During the Period			
<p>Civil:</p> <ul style="list-style-type: none"> ▪ Demolition of Hickson Road bridge deck complete ▪ Construction of ventilation pods along Hickson Road including waterproofing; preparation for concrete pours ▪ Demolition of remaining capping beams and headwall surrounding the shark's fin complete; backfill continued ▪ Stormwater works, including sheet piling, trenching, pipe installation and backfill ▪ Commencement of construction of the western civil pit ▪ Dewatering of trenches ▪ Stockpiling of imported tunnel spoil from Rozelle Interchange ▪ Stockpiling and management of asbestos and coal tar contaminated spoil ▪ Water Treatment Plant (WTP) operation ▪ Ongoing enabling works for the seawater cooling system in The Cutaway including tree and street furniture removal; works on hold pending permits for sandstone block removal and excavation from INSW ▪ Pedestrian detour in place for service relocation and planned works in The Cutaway. <p>Station Box:</p> <ul style="list-style-type: none"> ▪ Installing structural steel, scaffolding, concrete and blockwork ▪ Continued lift installation ▪ Escalator and lift installation ongoing ▪ Installation of sandstone cladding on platform level B6 / architectural finishes ▪ FRP works to station box ▪ Services, ductwork and containment installation (electrical, fire, hydraulics) ▪ Interface works with Linewide. 			
Key Construction Activities Look Ahead			
<ul style="list-style-type: none"> ▪ Continuation of sheet piling and excavation for stormwater trunk relocation ▪ Continuation of backfilling of the shark's fin ▪ Concrete pours and construction of ventilation pods along the base of the Hickson Road wall ▪ Sandstone block removal, excavation and pipe installation at The Cutaway ▪ Ventilation pod FRP ▪ Escalator installation - 3 more to go (B1 to B3), not OOH, via Shark's Fin access ▪ Blockwork and services installation to continue in the station box ▪ Station fit-out works - doors, painting services rooms etc. ▪ Surveying on High Street as per Environmental Review for transfer of B3 groundwater to sewer proposal; potholing postponed until review from Heritage NSW. 			
ER Inspections			
<p>There were three inspections conducted by the ER in September 2022 (2nd, 15th & 29th September). Issues raised and discussed were as follows:</p> <ul style="list-style-type: none"> ▪ Sediment had built up in the gutter under the bridge adjacent to the acoustic shed, increasing risk of sediment entering the stormwater system. ▪ Discussion of requirements for sandstone block removal at The Cutaway, listed on the INSW Heritage Register, INSW Permit required prior to removal and protection during tree removal. Approval pathway and inclusion in the CHMP prior to potential impact to be agreed. Methodology for recording, removal and reinstatement documented. ▪ Non-compliances in relation to the Nawi Cove seawater cooling pipe works. Pruning was conducted prior to the required update to the FFM-P being approved and prior to website upload. Pruning was also not conducted by a qualified arborist. ▪ Proposed extension of site hoarding to enable a second phase of the seawater cooling water scope. CA and INSW approval required. ▪ State of the WTP and surrounds, including accumulated mud and debris, overflowing filter cake bins etc. Improvements were noted during the ER Inspection on 29/9/22 with mud and debris removed from the hardstand and filter cake bins emptied. ▪ Controls in place around the tunnelling spoil stockpiles, and main stockpile covered. ▪ The provision of compliant hazardous chemical storage and signage at the ventilation pod site on Hickson Road. 			

- Stockpiling and ex-situ waste classification, review of the current Stockpile Location Plan. Outcome of the stockpile audit and further information requested from Ward Civil. Stockpile SP04 had been removed from site but sourced from Zone 3.1, being potentially restricted/hazardous (impact from former gas works). The ER has requested the waste classification is confirmed and the waste/spoil tracked from its source to disposal location.
- Confirmation of the remediation approach for the site; advice from contamination consultant (still pending).
- Discussion of planning for the discharge of water from the western civil pit (direct to harbour) and compliance with the approved DPE CEMP & Procedures including water quality monitoring and contingency. Checklist to be compiled by BESIX Watpac and reviewed/discussed to reduce the risk of non-compliance and another pollution event.
- Options considered for the management of B3 groundwater and Environmental Review for surveying works.
- Disposal methods for used hazardous chemical containers.
- Close-out of actions from NC's raised in August 2022, and actions raised during ER Inspections and project meetings.
- Maintenance of stockpile controls including covers and base controls to reduce dust.

Photos



Sediment in the gutter on Hickson Road



Demolition of the Hickson Road corbels



Demolition of the Shark's Fin headwall and capping beams



Tree removal works complete at The Cutaway



Western civil pit works commenced. Implementation of procedures for discharge of water direct to harbour to be monitored.



WTP and surrounds required clean up on 15/9/22



Clean up of the WTP and surrounds noted on 29/9/22



WTP discharge controls improved from inspection on 2/9/22 and later on 29/9/22

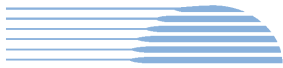


Controls for tunnelling spoil improved from inspection on 2/9/22 and later on 29/9/22





<p>Construction of ventilation pods under Hickson Road wall</p>	<p>Groundwater via exposed wall on Station Box Level B3</p>
<p>Endorsed Document/s</p>	
<ul style="list-style-type: none"> Barangaroo Station OOHWA-002.5 - Oct-Dec 2022 Station works 	
<p>Non-compliance/ Incidents or Repeat Complaints</p>	
<p>Sydney Metro has been providing summaries of complaints to DPE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for Barangaroo Station.</p>	
<p>There were two reported non-compliances reported to the ER for Barangaroo Station for the period:</p> <ul style="list-style-type: none"> 2/9/2022: A non-compliance with CoA E6 was raised by the contractor on 2/9/22. The NCs resulted when trees located in The Cutaway were pruned before the Flora and Fauna Management Procedure (FFM-P) in the CEMP had been approved to incorporate the tree pruning and removal scope, and before upload of the document to the project website. The pruning was not carried out by a suitably qualified arborist, which forms a requirements of CoA E6: “Any approved pruning and/or tree removal work is to be carried out by an arborist with a minimum AQF Level 3 qualification in Arboriculture”. Notwithstanding the above, the necessary updates to the FFM-P had been made at the time that the pruning occurred, and the document was in the process of being finalised and approved. As such a secondary non-compliance with CoA B15 has also occurred. 2/9/2022: A non-compliance with A8 was raised by the contractor. Demolition of the temporary Hickson Road concrete structural supports using a hydraulic hammer was observed during the ER inspection on 2/9/22. The CNVMP and Civil Works CNVIS sets a safe working distance from an excavator with <i>hydraulic</i> hammer to a reinforced structure of 5m. The activity was within 5m. It was also confirmed that vibration monitoring was not being undertaken as required by the CNVMP. The CNVIS for civil construction activities is to be revised to nominate that attended vibration monitoring should be carried out when working within 1 metre of the Hickson road wall (rather than 5 metres). The CNVMP will also be updated accordingly. <p>The ER is aware of one complaint received during September 2022 related to BESIX Watpac works:</p> <ul style="list-style-type: none"> ID 28/9/2022 (reported 4/10/2022): Customer complained about lack of wayfinding signage for diverted pedestrian access from the Barangaroo ferry and on Hickson Road. The customer wasted time on their journey re-routing around the foreshore. Opportunities for additional signage are being reviewed. 	
<p>Audits</p>	
<p>An internal environmental audit was conducted by BESIX Watpac on 20/9/22. The ER did not attend, and no Independent Environmental Audits have been scheduled.</p>	



Summary of Environmental Performance

Focus has been made in the implementation of corrective actions raised as a result of non-compliances, ER inspections, and as documented in meeting minutes. To provide additional assurance that compliance is being managed effectively, and adequate planning and assessment of environmental risks is taking place, ER inspection frequency has been increased temporarily to weekly. ER inspections are now being attended by members of the BESIX Watpac senior leadership team.

The management of stockpiles and waste classification remained an ongoing issue. Further assurance is being sought to confirm that waste tracking processes are being managed in accordance with legislative and other requirements. Conditions of approval and legislative requirements associated with site contamination and remediation are in the process of being reviewed by the contractor's contamination consultant, though the results of the review and remediation approach has not yet been communicated to Sydney Metro or the ER.

September saw a reduction in the number of complaints received, which aligned with a reduction in out of hours works, and noise and vibration intensive work in general, with the majority of the current demolition scope (Hickson Road bridge deck and Shark's Fin) complete.

Issues with compliance at the new works area at The Cutaway were ongoing in September 2022 and relate to sandstone block removal, tree removal, landowner consent and project approvals. The contractor needs to communicate upcoming works to the environment team, including the ER and Sydney Metro, and environmental issues need to be raised ahead of time to allow for an assessment of environmental risks, review of approval mechanisms etc. This has been communicated to the contractor and new methods for communication of this information have been minuted and will be implemented in October 2022.

Looking Forward – Core Focus Areas

- Plan for dewatering of the western civil pit direct to harbour and focus on the implementation of mitigation measures in the CEMP and Soil and Water Procedure.
- Compliance with water quality parameters in the WDIA during discharge from the WTP
- Landowner consent, approvals, biodiversity, contamination and heritage management for planned seawater cooling water installation works at Nawi Cove
- The transfer of water from Line Wide to BESIX Watpac from the surface and Level B6
- The management of works in zones with high-moderate archaeological potential and the reporting of unexpected finds
- The management, storage and disposal of coal tar and asbestos-contaminated spoil
- Completion of the Compliance Tracking Report (CTR) Q1 and Q2 2022.

11. Sydenham to Bankstown Sydney Metro Corridor (SMC) and Bankstown Early Works (BEW) & Additional Corridor (BAC)

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 8256 (S2B)	Southwest Metro Corridor (SMC), Bankstown Early Works (BEW), and Bankstown Station & Additional Corridor (BAC)	#21147	Jo Heltborg
Key Construction and Low Impact Works Activities - During the Period			
<p>Southwest Metro Corridor (SMC):</p> <ul style="list-style-type: none"> ▪ Canterbury Compound: Site offices and amenities, fuel and gas storage. ▪ Victoria Road Bridge, Marrickville: Removal of piling pad and clean up works. On hold pending redesign of crash beam. ▪ Wairoa Street Bridge, Campsie: Construction of the retaining wall, pile caps, spoon drain and final concrete pours complete. Crash beam and swale scope to be complete under future works. ▪ Park Street, Campsie: Completion of turn-around. Installation of stormwater pit and pipe connection to South Terrace. ▪ Belmore Triangle, Redman Parade: Stockpiling and materials storage. Spoil load-out. Vacuum truck slurry storage. Concrete slab and layback at Redman Parade access gate complete, including completion of turfing at site entrance. ▪ Stansfield Avenue, Punchbowl: Installation of GST ongoing, Non-destructive digging (NDD) for services and tree roots ongoing. Installation of GST and security fence posts ongoing. Services hut removed. <p>Bankstown Early Works (BEW):</p> <ul style="list-style-type: none"> ▪ North Terrace Compound: Site offices and amenities, fuel and gas storage. ▪ Metro Services Building (MSB): Installation of building façade, internal fit-out ongoing. Building scope mostly complete. ▪ Southern Down Platform: Limited defects work only (additional scope to be continued under a new contract). ▪ Stacey Street Bridge – Countryside, Bankstown: Bolt installation and bridge throw screen installation ongoing during possessions. <p>Bankstown Station & Additional Corridor (BAC):</p> <ul style="list-style-type: none"> ▪ Tree removal scope complete under Pre-Construction Minor Works Approval (PCMWA) 005, includes trees in the public domain on North and South Terrace for the future elevated pedestrian walkway, and trees along the culvert in preparation for future backfill and access to the northern platform. 			
Key Construction Activities Look Ahead			
<p>Out of Hours Work:</p> <ul style="list-style-type: none"> ▪ October Shutdown (Possession 24th September – 9th October 2022) ▪ BAC station track slab and service investigation <p>SMC:</p> <ul style="list-style-type: none"> ▪ Marrickville: (possession): Livingstone Rd portal installation; Install hoarding under bridge; overhead wiring (OHW) structure and footing removal; Arcadis dilapidation survey of fence line; Pruning of overhanging vegetation on fence. ▪ Dulwich Hill: (possession): OHW structure and footing removal; Segregation (SEG) fence installation. ▪ Hurlstone Park: (possession): OHW structure and footing removal; SEG fence installation; Culvert works, installation of new SW pits; Church Street bridge throw screens. ▪ Canterbury: (possession): SEG fence installation. ▪ Campsie: (possession): SEG fence installation; OHW structure and footing removal; CSR trackside equipment install; BAC – NDD investigation on potential OHW footings. ▪ Belmore: Moreton Street bridge throw screen installation on hold (design). Belmore triangle: Waste classification testing of stockpile SP60. (possession): Loch St bridge GST transition from bridging structures to GLT; Belmore/Loftus St URX trenching; Hi-rail pad – completion work. ▪ Lakemba: (possession): BAC – NDD investigation on potential OHW footings. ▪ Wiley Park: (possession): BAC – NDD investigation on potential OHW footings. ▪ Punchbowl, Stansfield Ave: GST installation continuing. (possession): BAC – NDD investigation on potential OHW footings; GST transition to GLT; Pit and pipe installation in CESS. ▪ Bankstown: (possession): Stacey St bridge; Post installation followed by mesh screens; Sewer investigations on the corner of South & West terrace / AA offered. <p>BEW:</p> <ul style="list-style-type: none"> ○ Finishing works to service building and civils. Landscaping likely to occur in the near future. ○ (possession): ULX and sundry activities; Install new pits and pipes. <p>BAC:</p> <ul style="list-style-type: none"> ○ Low impact investigation works under PCMWAs. 			



ER Inspections

There were two ER inspections conducted in September 2022 (6th and 20th September). Actions raised during the inspections were related to site restoration. Corrective actions were addressed by the contractor and evidence of close-out provided.

Photos



Victoria Road Bridge, Marrickville: Controls in place above culvert



Wairoa Street Bridge, Campsie: Traffic control in place for lane closure for concrete pours



Wairoa Street Bridge, Campsie: Controls in place over road and drain during backfill of the retaining wall



Belmore Triangle: New concrete driveway installed



Stansfield Street, Punchbowl: Stabilised internal haul road



<p>Stansfield Street, Punchbowl: Stabilised site access</p>	<p>Belmore Triangle: Proposed new ancillary facility</p>
<p>Endorsed Document/s</p>	
<ul style="list-style-type: none"> ▪ SMC & BEW Environmental compliance requirements completion approval Q2 2022_ER, 8/9/2022 ▪ PCMWA_004_Utility Relocation & Connection Work - Campsie to Marrickville, WE13-15, updated, 23/9/2022 ▪ SMC_BEW CTR Q2 2022 Environmental Completion Form, 13/9/2022 ▪ PCMWA_005 Vegetation Clearing Bankstown Station Precinct, 23/9/2022 	
<p>Non-compliance/ Incidents or Repeat Complaints</p>	
<p>Sydney Metro has been providing summaries of complaints to the Department of Planning and Environment (DPE) daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for SMC, BEW and BAC.</p>	
<p>There were no non-compliances reported to the ER during the period. There were no incidents reported to the ER under Condition A41 of SSI 7400. There were no Class 3 environmental incidents reported to the ER during the period. The ER is aware of one complaint received during September 2022 related to the SMC_BEW_BAC works:</p> <ul style="list-style-type: none"> ▪ ID TBC, 26/9/2022 (not yet reported): Resident at Loftus Street, Belmore called about noise affecting their sleep (shift worker) during daytime hours. It is understood a vacuum truck was in use at the time of the complaint. The complainant was contacted by Comms and closed-out. 	
<p>Audits</p>	
<p>No ER involvement in audit activity including Independent Environmental Audits.</p>	
<p>Summary of Environmental Performance</p>	
<p>The avoidance of impact to mapped TECs, and identified threatened species as defined in Revised Environmental Mitigation Measure (REMM) B4 remains an ongoing focus. All TEC and threatened species locations inspected during ER inspections have been appropriately barricaded and sign-posted and workers tool-boxed at pre-start as required. Erosion and Sediment Control Plans (ESCPs) are consistently reviewed and updated for new work areas and changed activities. The ESCPs demonstrate that Erosion and Sediment (ERSED) issues have been reviewed in detail before applying required controls. The BAC CEMP and Sub-plans have been approved by DPE, and works will be able to commence under the Plans once the PCCR is submitted to DPE. Low impact works for BAC were ongoing in September 2022, including tree removal at Bankstown Station. Tree removal within station precincts and compliance with tree numbers in the SPIR remains an ongoing focus, particularly in relation to upcoming security fencing design. Review of proposed sites for use as ancillary facilities for BAC was ongoing during September.</p>	
<p>Looking Forward – Core Focus Areas</p>	
<ul style="list-style-type: none"> ▪ Management of ERSED controls generally ▪ Maintenance of tree protection measures, particularly in the vicinity of TECs and threatened species <i>Acacia pubescens</i> ▪ Implementation of the Tree Report during vegetation pruning and removal ▪ Management of risks under low impact works approvals for BAC ▪ Management of noise during OOH Work including possessions ▪ Completion of the Q3 2022 Compliance Tracking Report (CTR). 	

12. Marrickville, Canterbury & Lakemba Station Upgrades (MCL)

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Marrickville, Canterbury & Lakemba Station Upgrades (MCL) (HSEJV)	Brett McLennan
Key Construction Activities During the Period		
<p>Possessions Shutdown 4 commenced</p> <ul style="list-style-type: none"> ▪ Out of Hours (OOH) Works for all stations. <p>Marrickville:</p> <ul style="list-style-type: none"> ▪ MSB fit out continued. ▪ Construction of the shared user path continued. ▪ Station building electrical fit out, installation of platform lighting, install new and upgrade existing pits. ▪ ULX installation ongoing, excavating, and shoring pits within the CESS continued. ▪ HV and CRS conduit works. ▪ Hearing loops installed. <p>Canterbury:</p> <ul style="list-style-type: none"> ▪ Continuation of service installation and construction of the MSB, structural steel installation completed. ▪ MSB stormwater and CSR works commenced ▪ Electrical commissioning and cable management works on platforms. ▪ Plaza works commenced. ▪ Lift Landing 2 – Glazing, Louvers, Roofing and Downpipes installation commenced ▪ GST installation <p>Lakemba:</p> <ul style="list-style-type: none"> ▪ External brickworks, internal fit out, and utilities installation continued in the MSB. ▪ GST Installation. ▪ Anti-throw screen installation commenced. ▪ PSD containment. ▪ Concourse Ticket Office - Service Containment. ▪ Releveling of platform completed. 		
Key Construction Activities Look Ahead		
<p><u>All sites</u></p> <ul style="list-style-type: none"> ▪ Planning, co-ordination and monitoring the OOHW (Wk16 midweek 17-20 October, WE19 4-6 November; Shutdown 5 24 December 2022-13 January 2023). ▪ Continuation of platform / station building fit-out at all stations. ▪ Continuation of MSB construction and/or fit-out at all stations. ▪ GST/CSR routes and cable pulls ongoing. <p><u>Marrickville</u></p> <ul style="list-style-type: none"> ▪ Footpath work/sewer lining with interflow. ▪ Completion of shared user path. <p><u>Canterbury</u></p> <ul style="list-style-type: none"> ▪ Lift commissioning works. <p><u>Lakemba</u></p> <ul style="list-style-type: none"> ▪ Landscaping works. 		
ER Inspections		
<p>There were two ER inspections conducted for MCL on 14 and 28 September 2022. The key issues raised during the inspections were:</p> <p>Marrickville:</p> <ul style="list-style-type: none"> ▪ Erosion and sediment controls (ESC) required minor updates and maintenance. ▪ Removal of minor graffiti. <p>Canterbury:</p> <ul style="list-style-type: none"> ▪ Erosion and sediment controls (ESC) required minor updates and maintenance. ▪ Bunding for diesel tank <p>Lakemba:</p> <ul style="list-style-type: none"> ▪ Nil 		



Photos



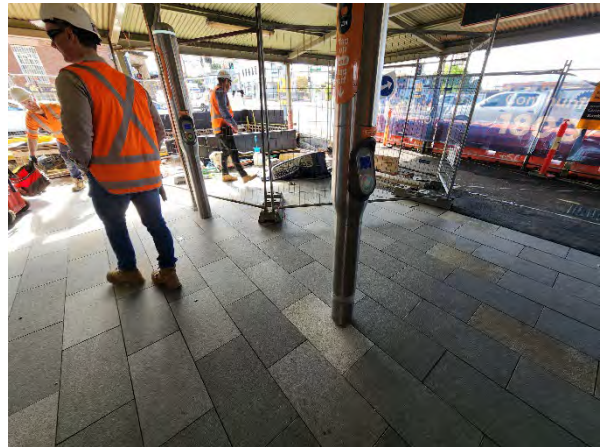
Marrickville CESS – ULX and shoring box installation



Marrickville platform electrical works and lighting pole installation



Canterbury MSB and loadout of spoil



Canterbury Plaza works



Lakemba – MSB and transformer / chiller slabs.



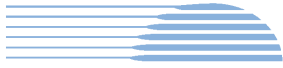
Lakemba– lower Railway Parade compound

Endorsed Document/s

- OOHWA Shutdown 4
- Minor amendment to A17 Canterbury Laydown area (HF-003)

Non-Compliance/ Incidents or Repeat Complaints

Sydney Metro has been providing summaries of complaints to the Department of Planning and Environment (DPE) daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for MCL.



The ER is aware of one new NCR for the month and 30 complaints relating to MCL works. There were no incidents for MCL reported to the ER under condition A36 of SSI 8256.

The NCR was summarised as follows:

NCR041 (under investigation) - Unapproved out of hours work at Canterbury Station. Contractor informed the ER that a concrete overpour had occurred at Canterbury and the contractor had used a hammer attachment during the night period contrary to the approved OOHWA.

Regarding the previously raised NCR041 – Community bike facilities were not reinstated on Charles Street, Canterbury - this had been re-numbered to NCR039 by the contractor after the previous monthly ER report was issued.

The complaints are summarised as follows:

- One for business impacts at Marrickville
- 25 complaints from Canterbury for general noise respite, of which 12 included more specific noise and vibration impacts (i.e. beeper, banging).
- One complaint from Canterbury for consultation, water and soil management and traffic impacts.

Audits

No ER involvement was requested in audit activity including Independent Environmental Audits.

An Independent Environmental Audit report of the CTMP undertaken on 31/08/2022, is pending.

ER Closing Comments and Looking Forward – Core Focus Areas





The ER has continued to hold meetings with HSEJV and Sydney Metro to discuss the ongoing issues and closeout of ER actions. It was noted that the site controls and communication had improved during Shutdown 4, with exception of the one NCR raised for unapproved works. It is noted that the increased complaints at Canterbury were expected as the previous shutdown and possessions had been descoped thus moving works into this possession period.

Looking forward:

- Continued implementation checks for CEMP and sub plans, focusing on noise and OOHWA scheduling.
- CTR Q2 2022 review and endorsement.
- OOHWA approvals
- Coordination meetings with Sydney Metro and contractors for OOHWA.
- Review Independent audit of CTMP.

13. Hurlstone Park, Belmore, and Wiley Park Station Upgrades (HBW) and Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP) (Downer)

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (S2B)	Hurlstone Park, Belmore, and Wiley Park Station Upgrades (HBW) (Downer) Dulwich Hill Campsie and Punchbowl Station Upgrades (DCP) (Downer)	Brett McLennan
Key Construction Activities During the Period		
<p>Possessions Shutdown 4 commenced</p> <ul style="list-style-type: none"> ▪ Out of Hours (OOH) Works for all stations. <p><u>Hurlstone Park</u></p> <ul style="list-style-type: none"> ▪ Metro Services Building (MSB) –Structural steel installation completed; blockwork installation commenced; transformers lifted onto pads. ▪ ULX installation completed. ▪ GST installation continued. ▪ Concourse canopy roof sheets and flashing construction continued. ▪ Platform and concourse replacement of platform equipment and light posts commenced. ▪ Segregation fencing works commenced. <p><u>Belmore</u></p> <ul style="list-style-type: none"> ▪ MSB - fit out works continued. ▪ Landscaping on hold pending Council’s pram ramp approval. ▪ Platform electrical high-level containment commenced; installation of new light posts completed. ▪ ULX installation completed. ▪ GST works continued. ▪ Tobruk Ave carpark medium strip reinstated. <p><u>Wiley Park</u></p> <ul style="list-style-type: none"> ▪ MSB – Fit out and drainage works continued. ▪ Security fence installation commenced. ▪ Platform and concourse building refurbishment works continued; high level containment works commenced. ▪ Concourse glazing commenced, fit out ongoing. ▪ GST post installation completed. ▪ Elevator commissioning trials continued. <p><u>Dulwich Hill:</u></p> <ul style="list-style-type: none"> ▪ Structural steel installation for footbridge commenced. ▪ Relocation of 701 and 687 HV feeders completed. ▪ GST works/CSR/LCR ongoing. ▪ Platform light replacement works commenced. ▪ MSB – Final lifts for structural steel installation, brickworks ongoing. Preparation for MSB transformer installation ongoing. ▪ Kiss and ride work commenced. ▪ Plaza ramp works commenced. <p><u>Campsie:</u></p> <ul style="list-style-type: none"> ▪ MSB – Blockwork installation commenced. ▪ Concourse structural steel installation and plumbing works commenced ▪ Platform fit out and LV works continued. ▪ GST works continued. <p><u>Punchbowl:</u></p> <ul style="list-style-type: none"> ▪ MSB – Fit out continued. ▪ Concourse installation works continued, structural steel over southern stairs installed. ▪ Concourse ceiling asbestos removal and reconstruction commenced. ▪ Elevator commissioning trials continued. ▪ South Plaza works and installation of planter boxes continued. ▪ Platform lighting works commenced. 		

<ul style="list-style-type: none"> GST works continued. Preparation for MSB transformer installation ongoing. 	
<p>Key Construction Activities Look Ahead</p> <ul style="list-style-type: none"> Construction / fit-out of the MSB's at all stations. Construction of the pedestrian bridge, lift shaft, and stairs at Dulwich Hill (ARTC possession during Shutdown 4). GST/CSR routes and cable pulls ongoing. Landscaping for station Plaza(s) and MSB areas Planning, co-ordination and monitoring the OOHW (Wk16 midweek 17-20 October, WE19 4-6 November; Shutdown 5 24 December 2022-13 January 2023). 	
<p>ER Inspections</p> <p>There were two ER inspections conducted for HBW and DCP on 14 and 28 September 2022. The key issues raised during the inspections were:</p> <p><u>All Stations</u></p> <ul style="list-style-type: none"> Minor erosion and sediment control updates. <p><u>Hurlstone Park</u></p> <ul style="list-style-type: none"> Minor graffiti required removal from Floss Street Carpark. 	
<p>Photos</p>	
	
<p>Dulwich Hill: Installation of pedestrian bridge, stairs and lift shaft.</p>	<p>Campsie: MSB structural steel and access gate</p>
	
<p>Punchbowl: Installation of concourse canopy.</p>	<p>Hurlstone Park: MSB blockwork installation.</p>



Belmore: High Level electrical fit out commenced

Wiley Park: plaza and concourse installation.

Endorsed Document/s

- OOHWA Shutdown 4
- OOHWA Hurlstone Park MSB Concrete Pour
- MAFF extension Hurlstone Park MSB

Non-compliance/ Incidents or Repeat Complaints

Sydney Metro has been providing summaries of complaints to the Department of Planning and Environment (DPE) daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow-up actions often defined in revised reports. Key or repeat items of note are discussed below for DCP and HBW.

The ER is aware of no non compliances for the month and 13 complaints relating to DCP and HBW works. There were no incidents reported to the ER under condition A36 of SSI 8256.

The complaints are summarised as follows:

- One complaint for respite and Aa at Dulwich Hill,
- One noise complaint from Campsie
- One complaint for worker behaviour at Belmore (potentially not Sydney Metro related) and one from Wiley Park.
- Nine complaints raised at Hurlstone Park consisting of 2 for noise and vibration, 1 for consultation, 2 for worker behaviour, 2 for safety, and 2 for traffic and parking.

Audits

No ER involvement was requested in audit activity including Independent Environmental Audits. An Independent Environmental Audit report of the CTMP undertaken on 30/08/2022, is pending.

ER Closing Comments and Looking Forward – Core Focus Areas

The ER discussed ongoing environmental issues with Downer throughout the month and preparation for the works during Shutdown 4. It is noted that community construction fatigue is an ongoing issue for the project, with actual construction works recommencing this month after several descoped possessions leading to an increase in complaints. High impact noise and vibration works post Shutdown 4 are likely to be reduced from the Sydney Metro sites.

Looking forward:

- Continued implementation checks for CEMP and sub plans, focusing on ESC and community impacts
- Finalise Compliance Tracking Q2 2022 review and endorsement, commence Q3 2022 review.
- Coordination meetings with Sydney Metro and contractors for OOHW.
- Review Independent audit of CTMP.

14. Sydney Metro Retained Obligations (SM) /Other

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B)	Sydney Metro Retained Obligations (SM) /Other	Jo Robertson
Key Construction Activities		
SM	The ER is not aware of any CSW related SM construction activities other than as referred to on a package basis above.	
ER Inspections		
SM	▪ Nil	
Endorsed Document/s		
SM	Compliance Tracking Program Updates: <ul style="list-style-type: none"> ▪ CSW SSJ CTR Q2, 2022 - 19/09/22 ▪ CSW MP ISD CTR Q2, 2022 – 05/09/22 ▪ CSW WL ISD CTR Q1, 2022 – 09/09/22 ▪ CSW MP ISD CTR Q1, 2022 – 09/09/22 Finalised during September as marked. Updated submissions received by the ER in relation to Sydney Metro retained obligations.	
Non-compliance/ Incidents or Repeat Complaints		
Sydney Metro has been providing summaries of complaints to DPIE daily and a summary to the ER. Responses to each complaint have been noted in each complaint report, with follow up actions often defined in revised reports. Key or repeat items of note are discussed below for the respective projects. There were no non compliances or incidents raised by the ER against Sydney Metro for the period.		
Audits		
SM	Sydney Metro is working with the Independent Auditor to deliver the audit program in accordance with the Compliance Tracking and Monitoring Program Report (Rev 2.5). The ER understands that this is ongoing.	
Looking Forward – Core Focus Areas		
SM	Continued focus on noise impacts by Sydney Metro and team as the ISD sites approach ground level including review of noise models and potential impacts. Short term focus on possession planning and performance on S2B (October shut down)	

15. 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 (CSSI 15_7400) and Condition A26(j) of the Sydney Metro Conditions of Approval (CSSI 17_8256). 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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