

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

7 February 2023
Ref: 170108-ER_DPE January 2023

Dear Rob

RE: Sydney Metro City & South West – ER Monthly Reports for January 2023

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 **January 2023**.

Yours sincerely





Jo Robertson
Environmental Representative


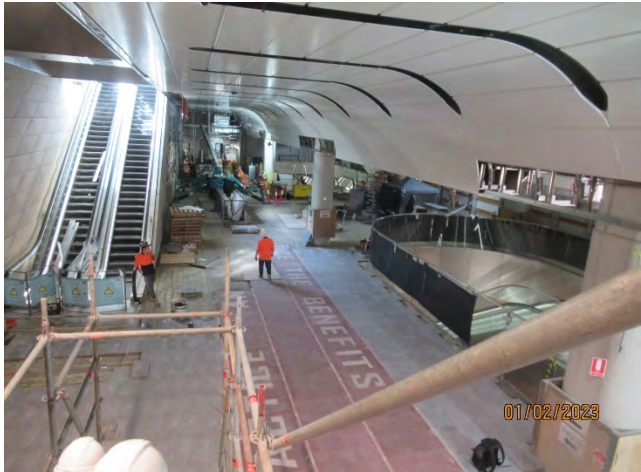


Cc: Sydney Metro: Carolyn Riley, Fil Cerone, Ben Armstrong, Dylan Jones, Ann Paterson, Julia Diamond, Chris Berg, David Virtue
AA: Available on Sydney Metro Website
Contractors: Available to Contractors on Sydney Metro Website
DPE Compliance: Portal
DPE Post Approvals: Available on Sydney Metro Website

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1. Central Station

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Central Station	#21148 Central Main Works	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 use of Platform 12 by the public. Waterproofing and tiling largely completed on Platform 15. Ongoing fit out activities for the Chillers and Ventilation Building – near complete. Ongoing fit out and commissioning of Metro Platform and other levels. OSD continues to be operational with most of the Metro Box area draining to the OSD with is connected to stormwater. Central Walk – Ongoing use of south side of the Central walk and some of the north-south concourse for public while works are completed on the northern side. Ongoing fit out of new escalators. Other fit out activities. Works within hoarded work zones on suburban Platforms 16-23 and platform surface excavation during rail possession weekends. Sydney Yard – Small capacity WTP operating to treat surface waters with other water largely directed to Marrickville. Water pumped from some areas of the Track slabs via various tanks to the WTP. Truck access; laydown. Reduced activities due to reduced works on the project. Some hazardous waste removed since last inspection. Northern Concourse – Ongoing works at intersection of Northern Concourse and Metro Box area. Eastern Entrance – Ongoing fit out and general construction activities. Installation and fit out of escalators continued. Ongoing use of the footpath within the site hoarding in front of the site on Chalmers Street. Window louvres installed. Scaffolding installed at the rear of the building along Randle Street. Devonshire Street Tunnel - In operation and used by commuters. CSR works Rail Institute – Works completed. 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, ventilation 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 no ER inspections during the reporting period, however there was an inspection conducted on 1 February 2023. Issues raised during this inspection included:</p> <ul style="list-style-type: none"> Use of tonal alarms on EWP's at different locations 20L containers not bunded. A loose noise blanket observed on Platform 13 noise barrier Graffiti on banner mesh outside the Eastern Entrance. 			
Photos (taken 1-2-23)			
			
Eastern Entrance: Louvres installed along Chalmers Street.		Eastern Entrance: View from Chalmers Street	

	
Metro Station: Ongoing fit out and commissioning	Northern Concourse: Ongoing fit out activities
	
Platform 14: Ongoing tiling detail and fit out of the canopy.	Platform 14: Ongoing tiling detail and fit out of the canopy.
Endorsed Document/s	
<ul style="list-style-type: none"> Nil 	
Non-compliance/ Incidents or Repeat Complaints	
<p>One complaint relating to potential property damage was reported to have been received during the reporting period however was considered to be more likely relevant to Systems Connect works.</p> <p>No Incidents were reported that would trigger reporting under Condition A41 and no non-compliant events were reported or observed by the ER.</p>	
Audits	
<p>There were no audits conducted during the reporting period.</p>	
Summary of Environmental Performance	
<p>Good environmental performance was generally observed, noting no incidents reported and only low risk issues identified during inspections.</p>	
Looking Forward – Core Focus Areas	
<ul style="list-style-type: none"> Nil 	

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: Handover to Portuguese Club complete, awaiting final inspection and record of handover / condition acceptance Geotechnical Area: Completion of gate and pit dewatering remains on hold due to design Sydenham Station: Area under Linewide PC Sydenham Pit and Pumping Station: Formal handover to Sydney Water complete (awaiting records, ITP) Way Street Laydown Areas: Materials removal complete; photos and asbestos clearance record provided. Awaiting formal record of return to the landowner. Carrington Road Laydown: Some materials, including a stockpile of DGB and concrete barriers remain, and stabilisation required. Materials removal, final inspection/photos and record of return to the landowner pending. 			
Key Construction Activities Look Ahead			
<ul style="list-style-type: none"> Sydenham Station: New construction works proposed including buffer stops and track alignment within the station precinct – PC likely to be handed to John Holland Laing O'Rourke (JHLOR) to complete these works (TBC) Formalisation of handover of laydown areas back to landowners Ongoing defect work – 11 potentially open. 			
ER Inspections			
<p>ER inspections for SSJ have been agreed to take place as part of the SMC_BEW_BAC ER inspections. The SSJ Way Street laydown was inspected on 31/1/23 during the SMC ER Inspection. No new actions were raised. No other SSJ areas were included due to limited activity and low risk.</p> <p>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 January 2023: 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 January 2023: Graffiti to be removed. Awaiting completion prior to close-out. 			
Photos			
			

	
Material collection was underway at the time of inspection. The ER has requested documented evidence of the handback records to Sydney Trains as assurance the landowner is satisfied with the condition of the site.	
Endorsed Document/s	
<ul style="list-style-type: none"> SSJ Environmental Completion Form CTR Q3 2022, 13/1/23 	
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 SSJ.	
<ul style="list-style-type: none"> 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 January 2023 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 and work during the WE42 possession. The ER is waiting on the completion of all scope and materials removal from laydown areas before handover and condition completion is finalised.	
Looking Forward – Core Focus Areas	
<ul style="list-style-type: none"> Completion of selected Conditions of Approval and Revised Environmental Mitigation Measures Completion of the SSJ Compliance Tracking Report (CTR) Q4 2022 	

3. Line Wide (Tallawong to Bankstown)

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Line Wide (Tallawong to Bankstown) Systems Connect (SC)	#21423 Sydney Trains #12208 Line Wide	Swathi Gowda
Key Construction Activities During the Period			
<p>Key Construction Activities below -SC Reports:</p> <p>Northern Connection</p> <ul style="list-style-type: none"> WE29 Possession Scope largely completed Site clean -up and demobilisation of plant/equipment post WE29 Possession <p>Chatswood Dive Site</p> <ul style="list-style-type: none"> Earthworks and shaft backfill ongoing Concrete pour in progress <p>Valetta Lane (possession related use) – not used in WE29 possession</p> <p>Artarmon Traction Sub-station (TSS) and BPS Works Site - TSS energised; commissioning works.</p> <p>Blues Point</p> <ul style="list-style-type: none"> Streetscaping and Henry Lawson Reserve works largely completed and handed back to Community /NSC <p>Barangaroo Laydown Area</p> <ul style="list-style-type: none"> SC laydown area demobilised and handed back to INSW (23 December 2022) <p>SW Corridor Traction Substation sites:</p> <p>Dulwich Hill TSS</p> <ul style="list-style-type: none"> Transformer roofs installed and façade panels largely installed Electrical fit out works <p>Canterbury TSS</p> <ul style="list-style-type: none"> Electrical fit out works <p>Campsie TSS – no works on-site</p> <p>Lakemba TSS</p> <ul style="list-style-type: none"> Electrical fit out Façade panels largely installed –10 panels remain to be installed on WE32 <p>Punchbowl TSS</p> <ul style="list-style-type: none"> Electrical fit out <p>Padmount transformer installation at Dulwich Hill Station - completed OOHW (6-7 Jan 2023)</p> <p>Pat O'Connor (POC) Reserve, Canterbury – No works.</p> <ul style="list-style-type: none"> Campsie BPS Joint Bay worksites (Anzac St, Gould St and South Pde) <ul style="list-style-type: none"> Gould St and South Pde Joint Bay – Intermittent HV cable testing works and dewatering during Standard Hours (as required) at the Joint Bay sites. <p>Southern Dive & SMTF South Marrickville:</p> <ul style="list-style-type: none"> Operational WTP – Painting of external pipes, cable pulling and mechanical testing Administration Building - Testing and commissioning (T&C), padmount cable pulling and installation of louvres Maintenance Buildings – T&C continuing, hot water pump terminations Landscaping works continuing Stabling Yard – Overhead wiring (OHW) works ongoing; rail grinding completed Fire Pump Room – Electrical testing Southern Dive – Solar panel installation ongoing, façade steel installation, blockwork riser builds Sydenham Station – OHW works (SC) Sydney Steel Road Civil Work - Drainage works, light footings completed <p>Surry Hills BPS works – Frog Hollow Reserve</p> <ul style="list-style-type: none"> Frog Hollow Reserve – Pending hand back to City of Sydney Council 			

Key Construction works/activities Look Ahead

Look-ahead of upcoming activities /works:

- CTR Q3 2022 reporting/ review process
- WK31 and WE32 Northern Connection possession works; WE33 (contingency)
- Chatswood (intersection of Mowbray/Hampden Rd) OOHW for new water and sewer connections (05 – 22 Feb 2023)
- SW Corridor WE 32 and Mid WK 31/32 possession works – remainder façade installation at Lakemba and Dulwich Hill TSS (WE32), HV Cabling work, Traction Negative Bar Install (Hurlstone/Wiley Park), Fibre Cable install (Marrickville)
- Blues Point – minor improvement/maintenance activities (drainage, turf and garden bed maintenance, footpath restoration at bottom of Blues Point Rd) during Standard Construction Hours – Feb 2023
- Campsie BPS works (South Pde and Gould St Joint Bay) re-commencing in Feb 2023 – Damaged HV cable removal, followed by new cable install, jointing and testing
- SMTF S - Future access road works (near Gate S2) – Construction of road base layers is scheduled to occur followed by reporting (Cap and Containment Remediation worksite)

ER Inspections

There were four ER inspections conducted by the ER in January (10/01/2023, 17/01/2023, 24/01/2023 and 31/01/2023). Key new actions/notes raised are summarised below, with close out provided/being provided by SC:

SMTF South and Surry Hills BPS works - ER Inspection #140 and #143 - 10/01/2023 [Tuesday; Rainfall previous days to inspection: 55.8mm – 7/01, 3.4mm on 8/01 and 0.0 mm 9/1; 31/01/2023 [Tuesday; Rainfall of 63.0 mm on 31/01 (rain since 9 am) and rainfall prior to inspection day - 1.4mm – 28/01, 0.2mm (29/01) and 1.6mm (30/01)]:

- SMTF S (near Gate S2) - Discussed and raised general housekeeping required around pedestrian walkway
- SMTF S – near Fire Control Room - Observed small pile of concrete waste requiring removal/tidy up

Northern Sites - ER Inspection #141 - 17/01/2023 [Tuesday; Total rainfall recorded on 13/12– 22.6mm. Rainfall previous days to inspection: 0.0mm - 16/01, 3.6mm on 15/01 and 2.6mm on 14/01]:

- No new issues/actions raised

SW Corridor Traction Substation sites and BPS works - ER Inspection #142 – 24/01/2023 [Tuesday; Rainfall (mm) recorded prior to inspection day – 40.6mm on 23/01, 2.4mm on 22/01 and 1.4mm on 21/01]:

- Canterbury TSS: Observed tagging on signage installed on gate. SC to address in accordance with Project VAMP
- Lakemba TSS: Some maintenance/tidy up of sand from previous crane pad establishment required near protected drain.
- Gould St Joint Bay – Note raised for SC to re-install/adjust noise blankets to ensure no gaps prior to commencement of works at joint bay worksite.

Photos



CDS: Excavation for firewater tank underway. Observed dust suppression during the Inspection (positive observation).



Northern Connection: View from Mowbray Rd Bridge. Final compaction/trimming works completed during WE29.



HBI

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Blues Point: Example photos of Streetscaping works and Henry Lawson Reserve






Blues Point: Example photos of Heritage Interpretation including signage.



Dulwich Hill TSS: Transformer roof and façade panels largely installed - one panel and structural steel remains to be installed on WE32.



Lakemba TSS: Façade panels largely installed – ten panels remain to be installed on WE32.

	
SMTF S: Administration Building – installation of louvres on building.	SMTF S - Future Carpark Area - Cable pulling in progress.
	
SMTF S – Stabling Yard: O&H works continuing.	SMTF S – Southern Dive Area: Concrete Pour underway.
Endorsed Document/s <ul style="list-style-type: none"> OOHW #282 - Surry Hills BPS Minor Ancillary Facility Demobilisation Rev B OOHW #273 - Lakemba TSS - Façade Lift and Install - REV.01 OOHW #278 - Dulwich Hill TSS - Façade and Steelwork REV 01 OOHW #281 - Southwest HV Cabling Zones 8 and 12 - REV B OOHW #287 - Southwest TNB Installation Punchbowl to Campsie WE32 Rev B OOHW #286 - Southwest fibre cabling Marrickville WE32 Rev B 	
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> <p>Nil non-compliances reported to the ER in this reporting period.</p> <p>There were no incidents for Line Wide reported to the ER under conditions A41 to A44 of SSI 7400 or A36 of SSI 8256.</p> <p>No minor Class 3 events reported to the ER, for this reporting period.</p> <p>Complaints during this reporting period are summarised below:</p> <ul style="list-style-type: none"> 12/01/2023 – Surry Hills BPS (LWW) - Property Damage - Complaint regarding alleged cracked window on a business close to the Randle Ln Surry Hills joint bay. 30/01/2023 – SMTF S and Marrickville Dive Site (LWW) – Worker behaviour - complaint regarding vehicles parking across the shared bike/pedestrian walkway at the end of Sydney Steel Road. The complainant alleges that the ‘No parking’ signs and plastic barriers preventing from vehicles parking are regularly removed, and vehicle continue blocking the path 31/01/2023 – Chatswood - Northern Connection (LWW) – Worker behaviour - complaint regarding truck drivers allegedly speeding down Drake St. 31/01/2023 – Campsie to Canterbury Power Upgrade (LWW)- Cumulative impacts/Property access –complainant concerned about when Gould St joint bay would be closed, work concluded, street parking reinstated and lack of communication on when milestones will be reached and also claimed that one -off respite offer had not been received. <p>Complaints during this reporting period unrelated to SC/SM activities:</p> <ul style="list-style-type: none"> Nil 	



Audits
<ul style="list-style-type: none">▪ Nil this reporting period
ER Closing Comments and Looking Forward
Key Points: <ul style="list-style-type: none">▪ Four complaints received in reporting period are summarised above.▪ Nil OOH noise complaints received in reporting period.▪ Overall, the Project continues to generally perform well, with ER Inspections across this month identifying generally minor actions and improvements.▪ The Project Team continue to be responsive to queries/comments raised in document reviews/discussions and any recommendations made by the ER.
Looking forward: <ul style="list-style-type: none">▪ WK31 and WE32 Northern Connection possession works; WE33 (contingency)▪ Chatswood (intersection of Mowbray/Hampden Rd) OOHW for new water and sewer connections (05 – 22 Feb 2023)▪ SW Corridor WE 32 and Mid WK 31/32 possession works▪ restoration at bottom of Blues Point Rd) during Standard Construction Hours – Feb 2023▪ Campsie BPS works (South Pde and Gould St Joint Bay) re-commencing in Feb 2023 – Damaged HV cable removal, followed by new cable install, jointing and testing▪ SMTF S - Future access road works (near Gate S2) – Construction of road base layers is scheduled to occur followed by reporting (Cap and Containment Remediation worksite)▪ Campsie BPS works (South Pde and Gould St Joint Bay) re-commencing in Feb 2023 – Damaged HV cable removal, followed by new cable install, jointing and testing. Contingency OOHW for dewatering (weather dependant) BPS joint bays with anticipated completion in mid- February 2023. SC reports no OOHW dewatering undertaken till date.

4. TSOM

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S) SSI 8256 (S2B) SSI 5931 (SMTF)	Train Service Operation and Maintenance (TSOM)	MTS EPL 21247 (Dynamic train testing between SMTF-N and Chatswood)	Swathi Gowda
Key Construction Activities During the Period (January 2023)			
<ul style="list-style-type: none"> ▪ Tunnels: Ongoing installation of cables and trackside equipment in tunnels and Cross Passages (XPs) ▪ SMTF-North: Dynamic train testing between SMTF North and Chatswood and mixed fleet operations ▪ SMTF-South: <ul style="list-style-type: none"> ○ Cable tray, cables and cabinet installation in Administration Building ○ Installation of signalling equipment in the yard ▪ Southwest Substations: <ul style="list-style-type: none"> ○ Cabinet works in service equipment building (Marrickville to Bankstown) ○ Campsie radio mast install ○ Cabinet works in station equipment rooms at Lakemba and Belmore ▪ Southwest Corridor: No works planned ▪ Northern Corridor: Cable pulling and termination at Chatswood Station ▪ Stations: <ul style="list-style-type: none"> ○ Central, Martin Place, Victoria Cross, Pitt Street: Testing and Commissioning (T&C) of Platform Screen Doors (PSDs) and ongoing installation of communications and signalling equipment ○ Sydenham: Platform Edge Barrier (PEB) defect work, T&C of communications equipment ○ Crows Nest and Barangaroo: Installation of PSDs, communications and signalling equipment and cables ○ Waterloo: Finishing work on PSDs, installation of communications and signalling equipment and cables 			
Key Construction Activities Look Ahead – February 2023			
<ul style="list-style-type: none"> ▪ Tunnels: <ul style="list-style-type: none"> ○ Ongoing installation of cables in tunnels and XPs ○ Final cable pulling at Crows Nest ○ Final mechanical installation ○ Terminations and T&C, to follow ▪ SMTF-North: Dynamic train testing between SMTF North and Chatswood and mixed fleet operations ▪ SMTF-South: <ul style="list-style-type: none"> ○ Cable tray, cables and cabinet installation in Administration Building ○ Installation of signalling equipment in the yard ▪ Southwest Substations: <ul style="list-style-type: none"> ○ Cabinet works in service equipment building (Marrickville to Bankstown) ○ Campsie radio mast install ○ Cabinet works in station equipment rooms at Lakemba and Belmore ▪ Southwest Corridor: <ul style="list-style-type: none"> ○ WE32 - Fibre and cable install along SM cable containment (Sydenham to Hurlstone; Lakemba to Punchbowl) ○ Midweek (Mon-Fri) - Delivery and installation of SM equipment at Stations and Metro Service Buildings - Dulwich Hill, Belmore, Lakemba and Bankstown ▪ Northern Corridor: Cable pulling and termination at Chatswood Station (4/5 Feb 2023) ▪ Stations: <ul style="list-style-type: none"> ○ Central, Martin Place, Victoria Cross, Pitt Street: T&C of PSDs and ongoing installation of communications and signalling equipment ○ Sydenham: PEB defect work and T&C, T&C of communications equipment ○ Crows Nest, Waterloo, and Barangaroo: Finishing work and T&C for PSDs, installation of communications and signalling equipment and cables 			



ER Inspections
▪ No ER inspections conducted in January.
Photos
▪ N/A
Endorsed Document/s
▪ Nil
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.
▪ 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
▪ No audits proposed
Looking Forward – Core Focus Areas
▪ Nil

5. ISD – Crows Nest

Project Approval		EPL	Environmental Representative/s
SSI 7400 (C2S)	Crow's Nest ISD (CN-ISD) AW Edwards	No EPL	Rui Henriques / Brett McLennan
Key Construction Activities During the Period			
<ul style="list-style-type: none"> Demolition of the capping beams at site C Steel fixing and shuttering (Sites A - C). B4 OTE cladding and fit out Concrete pours Girder deliveries for B1/Level 0 Level 1/Level 0 form, reo and pour (FRP) Concrete pumping and pouring on Pacific Highway/Clarke Lane. Services, finishes and fit out of B5 platform, B4 OTE, B3 ,B2plant room. Line Wide Fit-out works on B6 Public domain work at Clarke + Oxley Street Rotary piling works Site C 			
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 Level 1/Level 0 form, reo and pour (FRP) Concrete pumping and pouring on Pacific Highway/Clarke Lane. 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 Tree removal on Oxley and Clarke Streets Installation of Class B hoarding around Site C Public domain work at Clarke + Oxley Street Concrete Pours on Oxley St Delivery of PCB one 			
ER Inspections			
<p>There were two ER inspections conducted by Brett McLennan on 11 January 2023 and 25 January 2023 (ER inspections are on a fortnightly cycle weather and health permitting). The following issues were raised:</p> <ul style="list-style-type: none"> Ongoing active and collaborative engagement across all facets of the project, including the construction, communications, and environment teams. 			

Photos



Oxley St west of Clark St – Utility and public domain works .



Clark Lane North – View south.



Clarke Lane South - Clarke Lane South, used under ROL.



Site C view southwest: Excavation, capping beam removal and pilling continue.



Site A view north: Level 2 FRP



Clarke St looking south



Oxley St South – Sediment controls in place

Clarke St looking north with Site C on the left

Endorsed Document/s

- Clarke Lane North Minor Ancillary Facility – Extension to 1 February
- OOHW 24 – Long Concrete Pour Site A Oxley St
- OOHW 26 – Precast girder delivery (one night – 1/02/23)

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.

One (1) incident was reported to or identified by the ER:

- 19 January – A stakeholder contacted the project team to advise that fines laden water was coming through the carpark at 20 Clarke Street, and that they had driven through the water, which resulted in splash back onto his car. It was noted by AWE that the external wall of 20 Clarke Street had no waterproofing, and due to the absence of waterproofing and small gaps in the structure of 20 Clarke Street, water laden with sediment was able to escape Site C. The lack of waterproofing had not been known to AWE.

There were three (3) complaints during the period, as follows:

- 19 January– A stakeholder contacted the project team to advise that fines laden water was coming through the carpark at 20 Clarke Street, and that they had driven through the water, which resulted in splash back onto his car. Refer to incident above. AWE offered reimbursement for stakeholder vehicle to be professionally cleaned. Site team cleaned up impacted area immediately after site visit in carpark, and installed a coir log to prevent any further seepage.
- 24 January – Stakeholder approached a traffic controller on site to express concern with the pole removal on Pacific Highway, which had exposed two cut poles. Stakeholder advised someone could cut their foot open.
- 24 January – Stakeholder advised that Metro subcontractors were tapping into their building's water.

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

Monitor new cut-down regime of extended hours OOHW and adjust as required.

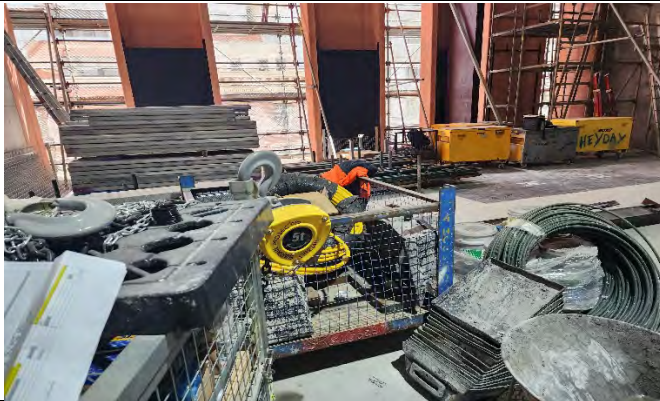
ER Closing Comments:

Active and collaborative engagement continues to be observed across all facets of the project, including the construction, communications and environment teams. This is reflected in the absence of non-compliances and the considerable decline in complaints relative to the previous reporting period.

6. ISD – Pitt Street

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Pitt Street ISD (PS-ISD) CPB Contractors	No EPL	Rui Henriques / Brett McLennan
Key Construction Activities During the Period			
Pitt Street North <ul style="list-style-type: none"> Escalator void scaffold removal complete, steelwork commenced Hoist removal Adit infills complete Blockwork to Level 00 and 01 ongoing Concrete pours and FRP for Level 4 – Level 5 core and plenum, including walls and slabs Pitt Street South <ul style="list-style-type: none"> Installation of façade GRC & Aluminium Louvers across levels 3, 4 & 5. Blockwork construction completed in basement levels with blockwork progressing on levels 00 - 05. Fit-out works progressing throughout to FOH Zones on B04 i.e., FOH ceilings in paid concourse zone and fit-out of bathrooms. Sandstone and glazing works and finished ceilings on level B04 and within the atrium zone. Services and utilities works progressing throughout all levels. Level 05 monorails complete. Adits and Platform Caverns <ul style="list-style-type: none"> GRC (lower internal cladding) panel installation Platform Screen door cladding Platform Screen door installation Ceiling cladding installation 			
Key Construction/Activities Look Ahead			
Pitt Street North <ul style="list-style-type: none"> Escalator void steelwork installation ongoing Level 5 and 6 FRP and pours Blockwork to Levels 00 and 01 ongoing Pitt Street South <ul style="list-style-type: none"> Installation of façade GRC & Aluminium Louvers across levels 3, 4 & 5. Block-work between levels 00 - 05. Fit-out works on B04 i.e., FOH ceilings in paid concourse zone and fit-out of bathrooms. Sandstone and glazing works and finished ceilings on level B04 and within the atrium zone. Services and utilities works throughout basement levels and services risers up to level 04. Adits and Platform Caverns <ul style="list-style-type: none"> GRC (lower internal cladding) panel installation Platform Screen door cladding ongoing Platform Screen door installation ongoing Ceiling cladding installation 			
ER Inspections			
<p>There was one ER inspection by Mr Brett McLennan on 17 January 2023 (ER inspections are on a three weekly cycle weather and health permitting). The following issues were raised during the inspection:</p> <ul style="list-style-type: none"> Pitt St South: EWP using a tonal alarm adjacent to sensitive receptors Pitt St South: Radio use adjacent to sensitive receptors Pitt St South: Relocation or implementation of additional noise mitigation for Block Saw. 			

Photos



Pitt St South (PSS): Level 5 podium/Level 6 western façade installation.



PSS: Level 5 podium/Level 6 façade walls adjacent to Princeton Apartments



PSS Level 5 - Blockwork.



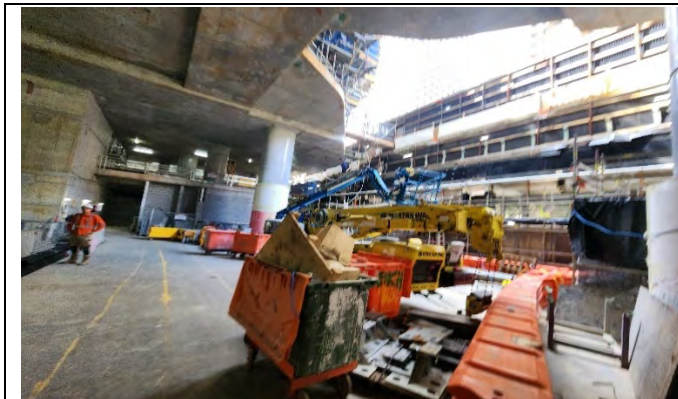
PSS: Level 4.



West Adit: Ceiling cladding installation and Terazzo paver installation



East Adit: Cladding installation continues. PSD installed.



Pitt Street North (PSN): Level 00 Station Atrium.



PSN: Escalator void



PSN – north-eastern side view southeast: Level 4



PSN Castlereagh St delivery area: View south

Endorsed Document/s

- OOHW 053 – Façade Installation Pitt St North
- OOHW 050 – Long term OOH project works January to March 2023 (Adjustment to plant used)

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.

There were no non-compliances/incidents nor complaints related to the project reported to the ER this period.

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



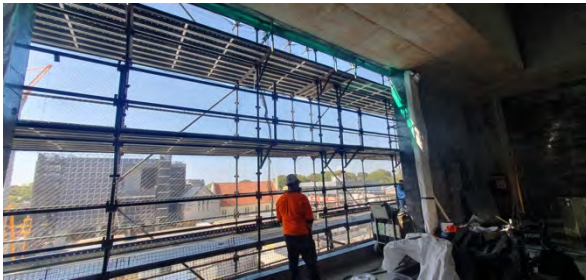

Out of hours planned to continue, including utilities installation in surrounding streets.

ER Closing Comments:

Project has performed very well throughout the period, with no complaints related to project despite the level of activity in surrounding public domain areas. The project is continually investigating alternative construction sequencing and approaches to ensure impacts from out of hours works are minimised.

7. ISD – Waterloo

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) (Does not include associated SSDs)	Waterloo ISD – John Holland	Swathi Gowda
Key Construction Activities During the Period		
Update provided by Contractor on 25/01/23: <ul style="list-style-type: none"> Utility works – redundant cable removal on Cope St Cranage works from Cope Street and internal site ongoing General deliveries ongoing FRP conducted from Surface Level to Level 2, Northern end and plaza Block work install and fill occurring across B3 and Level 1 (Southern side) Block work on Level 1 (Northern Building) Fit out works and service installation across B5, B3 and Level 1 (North/South) ongoing Electrical cable pulling in the station ongoing Energisation of Station Box rooms Section of Capping Beam removed (South Eastern end) removed Site sheds demobilised (South Western side) Handover of southern area to the Over Station Developer 		
Key Construction/Activities Look Ahead		
<ul style="list-style-type: none"> Utility investigation and works in local roads around site, including proposed OOH (JHG reports works are currently on hold) Capping beam removal – Northern end 		
ER Inspections		
ER inspections are on a three weekly cycle weather permitting. One ER inspection was conducted by the ER on 25 January 2023 [Wednesday; Total rainfall of 3.2mm (mm) recorded on 25/01 and rainfall (mm) recorded prior to inspection day - 0.2mm (24/01), 9.6mm (23/01) and 0.6mm (22/01)]. Following issues/actions were raised: <ul style="list-style-type: none"> Cope St Site Compound and near Northern Building: Observed some chemical storage without secondary containment within Cope St Site Compound. Further protection required for chemicals in delivery phase on-site near the Northern Building (stored with plastic wrapping on pallets - not in use yet). Cope St Plaza: Some housekeeping (removal of waste /tidy up of area) required around ground floor slab. Near Water Treatment Plan (WTP): Discussed weed management and removal required along the western side of the site. Waterproofing works and blockwork on Level 1 underway. ER/AA queried use of generator at Northern building Some notes raised relating to minor adjustment of delineation fencing around tree, replacement of couple noise blankets on south-eastern side of Cope St, to provide evidence of correspondence with Heritage Consultant for expected find and use of generator at Northern building. 		
Photos		
<div>   </div>		
WL ISD: View of Northern Building from Botany Rd		WL ISD: View of Southern Building from Wellington/ Cope St

	
<p>WL ISD – Level 1 Northern Building: Blockwork progressing.</p>	<p>WL ISD - Façade installation works progressing on Southern Building (view from Cope St Site Compound).</p>
	
<p>WL ISD – Level 1 Northern Building: Waterproofing works progressing.</p>	<p>WL ISD – Cope St Site Compound - Noise blankets installed</p>
<p>Endorsed Document/s</p>	
<ul style="list-style-type: none"> OOHW#50 Feb Mar Apr 2023 OOH Work (General) (Rev B) 	
<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 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>Nil non-compliances (NC) were reported to the ER during this reporting period.</p>	
<p>One minor (Class 3) event was reported to the ER during this reporting period, as summarised below:</p>	
<ul style="list-style-type: none"> 16/01/2023 – WL ISD - Cope St - Minor hydraulic oil spill (approximately 500 ml, on hard stand) from damaged hose on excavator on. Spill contained and spill kit materials used to clean spill immediately. 	
<p>Complaints during reporting period are summarised below:</p>	
<ul style="list-style-type: none"> Nil 	
<p>Complaints unrelated to WL ISD/SM activities during reporting period:</p>	
<ul style="list-style-type: none"> Nil 	
<p>Audits (specific to packages reported in this report)</p>	
<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:

- Nil complaints in reporting period and reduction in complaints noted. Potentially, due to minimal OOH Utility works being conducted across Dec 22 – Jan 23 period, which are currently on hold (as reported by JHG to ER/AA).
- Project has performed generally well throughout the period and continues to be responsive to queries/comments raised in document reviews/discussions and any recommendations made by the ER.

ER notes community engagement sessions/other initiatives reported and discussed by JHG below:

- JGH reports Project Team will be present at the Summer on the Green event (organised by LHAC) on Raglan St on 3 Feb 2023.

8. ISD – Victoria Cross

Project Approval	Contract Package	Environmental Representative/s
SSI 7400 (C2S) No EPL	Victoria Cross ISD (VC-ISD) Lend Lease	Swathi Gowda Michael Woolley
Key Construction Activities During the Period		
Construction Activities VC North (VCN): <ul style="list-style-type: none"> Structural works within plenum, concrete pours/steel fixing/formwork (up to Level 2) Plenum L03 Formwork, steel fixing Fit out and services works within the shaft Façade blockworks Station Cavern: <ul style="list-style-type: none"> Blockwork and GRC panels installation Station fit-out progressing VC South (VCS): <ul style="list-style-type: none"> Stormwater works on Miller St Carpark slab (up to B00 – Ground Level)/station slabs concrete pours (B00), steel fixing and formwork Low rise commercial building – Level 3 Concrete works on Level 4 Station Jumpform Level 4 Jumpform pours and lifts Blockwork Service and fit out below the top deck 		
Key Construction/Activities Look Ahead		
<ul style="list-style-type: none"> Denison Street stormwater work Review and endorsement of management plans (scheduled review) Victoria Cross South site – Ongoing OOH (evening & weekend) extended to Feb-Mar 2023 Victoria Cross North site – Ongoing OOH works (evening/ weekend OOH) extended to Jan – Mar 2023 		
ER Inspections		
ER inspections are on a three weekly cycle weather permitting. One ER inspection was conducted on 17 January 2023 [Tuesday; Rainfall (mm) recorded prior to inspection day - 0.0 mm - 16/01, 3.6 mm on 15/01 and 2.6 mm on 14/01]. The following new issues/actions were raised: <ul style="list-style-type: none"> VCN – Miller St: Minor tagging noted on hoarding at VCN. Tagging to be addressed in accordance with Project VAMP VCN – WTP / North Yard Area: Discussed weed removal and management required near WTP and in North Yard Area. VCN – North Yard Area: Observed some spillage of concrete waste near Concrete Kibble delivery area. Discussed tidy up of concrete waste spillage and implementing controls/practices to ensure containment of concrete waste/washout. VCS – Miller St: Observed minor rips in geofabric placed on drains (potentially due to location in trafficable areas). Discussed maintenance/replacement of geofabric (on two drains) near Concrete Delivery Area /Stormwater Worksite. 		

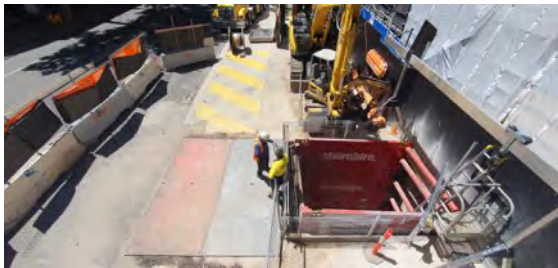
Photos



VCN: View of plenum area from Level 4 of VCN – previously noted slip form removed. Plenum L03 formwork, steel fixing underway.



VCN - Level 3: Blockwork and formwork progressing for Level 3 walls.



VCS – Miller St: View of stormwater worksite on Miller St.



Public Adit: GRC panel installation underway.



Station Cavern: Façade installation above trackway, station fit out and GRC panels progressing.



VCS: View of Carpark and Low-Rise Commercial Building.



Endorsed Document/s
<ul style="list-style-type: none"> ▪ Nil
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>
<ul style="list-style-type: none"> ▪ Nil incidents and non-compliances reported to the ER during this reporting period. ▪ Project related complaints during the reporting period are summarised below: <ul style="list-style-type: none"> - Nil ▪ Complaints unrelated to SM activities for this reporting period: <ul style="list-style-type: none"> - Nil
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
<p>Core Focus Areas</p> <ul style="list-style-type: none"> ▪ Denison Street stormwater work ▪ Investigation of capping beam removal methodology continuing (potentially using wire saw, where feasible). ▪ Continue to review/monitor complaint numbers and issues. ▪ Continue to review/monitor OOHs planned and approved and promote the inclusion of noise mitigation wherever practicable – particular example for the reporting period is OOH for Victoria Cross South Site following complaints in Nov/Dec 2022 <ul style="list-style-type: none"> - Victoria Cross South site – Ongoing OOH (evening & weekend) extended to Feb-Mar 2023 on further review/approval by ER/AA (endorsed on 1/02/2023) - Victoria Cross North site – Ongoing OOH works (evening/ weekend OOH) extended to Jan – Mar 2023 <p>ER Closing Comments:</p> <ul style="list-style-type: none"> ▪ Nil complaints received during the reporting period. ▪ Project has performed generally well throughout the period and continues to be responsive to queries/comments raised in document reviews/discussions and any recommendations made by the ER during the reporting period.

9. ISD – Martin Place

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Martin Place ISD (MP-ISD) Macquarie Bank/Lend Lease	No EPL	Michael Woolley / Rui Henriques

Key Construction Activities During the Period

Bligh Street:

- Concrete deliveries and pumping. Various other deliveries
- Ongoing operation of the Water Treatment Plant (WTP) and discharge of water to stormwater

Martin Place South (MPS)

- Ongoing construction (FRP) of walls; columns, beams and floor slabs well above street level
- Other general construction activities
- Utilities and hoarding works (OOHWs)
- Ongoing use of new temporary pedestrian crossing of Martin Place between Elizabeth and Castlereagh Streets under B Class Hoarding
- Works in the area of the former temporary pedestrian crossing bridge
- General OOHWs including ongoing utility works on Elizabeth Street

Martin Place North (MPN)

- 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 operating adjacent Elizabeth Street
- Façade and glass installation on Hunter and Elizabeth Streets

Station Caverns and Adits

- 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
- Works to access the Martin Place station on the ESR.

Key Construction/Activities Look Ahead

- Activities as described above ongoing





ER Inspections

There were no ER inspections during the reporting period given the Christmas shutdown period, however there was an inspection conducted on 3 February 2023. One issue was raised during the inspection relating to provision of building for small fuel containers within the Bligh Street Shed. Site activities continue to be repetitive in nature and are building related works rather than civil works.

It was discussed that the Bligh Street site would be handed over to ETP contractors in March, hence plans were being considered to set up a replacement WTP within the footprint of the Martin Place North site.

Photos (taken 3-2-23)



Martin Place: Views from street level on Martin Place looking west across Elizabeth Street.	Martin Place North: View from street level on Elizabeth Street. SSI works top out at Level 7. Use of work zone on Elizabeth Street to deliver materials using the tower crane attached to the building.
	
Martin Place north: Escalator Installation	Martin Place: Ongoing works in the location of the former bridge footpath. Site sheds above temporary walkway.
	
Stations: Ongoing fit out works.	Martin Place South: Concreting works ongoing
Endorsed Document/s <ul style="list-style-type: none"> Nil documents approved during the reporting period 	
Complaints / Incidents / Non-compliance <p>One complaint was reported to have been received during the reporting period, however, upon investigation was found to be unrelated to Sydney Metro works.</p> <p>No non-compliances were reported to or observed by the ER during this reporting period for the Martin Place site. There were no incidents reported to the ER under conditions A41 to A44 of SSI 7400 for Martin Place.</p>	
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	
Nil	

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> <p>Zone 1 (Main Site):</p> <ul style="list-style-type: none"> Asbestos contaminated spoil transported offsite early January 2023 Sheet piling for H01-02 stormwater line; awaiting connection of final outlet to harbour Enabling works for WTP relocation commenced Stockpiling of imported tunnel spoil from Rozelle Interchange and Virgin Excavated Natural Material (VENM) from other import sites including Balgowlah Water Treatment Plant (WTP) operation. <p>Zone 2 (Shark's Fin):</p> <ul style="list-style-type: none"> Backfill continued Form Reo Pour (FRP) for retaining walls for Street D (boundary with future Aqualand development) complete Excavation of HV pit near Dalghety House. <p>Zone 4 (Hickson Road wall):</p> <ul style="list-style-type: none"> Backfill around ventilation pods to height of future permanent road alignment commenced. <p>Zone 5 (The Cutaway):</p> <ul style="list-style-type: none"> First stage of condensed water pipe installation complete and backfilled; Pressure testing complete Planning for Stage 2 condensed water installation works underway, including pedestrian diversion and high voltage (HV) works on the foreshore, subject to approval of an Environmental Review (ER Form) and Out of Hours Work Application (OOAHWA). <p>Zone 6 (Hickson Road, under bridge):</p> <ul style="list-style-type: none"> Nil. <p>Station Box:</p> <ul style="list-style-type: none"> Installation of structural steel ongoing Cable pulling, low voltage (LV) reticulation Sandstone cladding almost complete / architectural finishes Services, ductwork and containment installation (electrical, fire, hydraulics) Interface works with Linewide and TSOM on Level B5: Platform Screen Doors (PSDs) installed and scheduled for commission, rail, sleepers and dewatering infrastructure Energisation of all HV rooms complete on 22/12/22 (major milestone). 			
Key Construction Activities Look Ahead			
<p>Zone 1 (Main Site):</p> <ul style="list-style-type: none"> Completion of H01-02 stormwater line Clean out (by divers) of outlet to harbour and final connection of western civil pit (subject to approval of variation). <p>Zone 2 (Shark's Fin):</p> <ul style="list-style-type: none"> Continuation of backfilling of the shark's fin; Installation of NBN services Connection of Stage 2 condensed water pipes to the station box. <p>Zone 4 (Hickson Road wall):</p> <ul style="list-style-type: none"> Continue backfill and compaction; vibration monitoring. <p>Zone 5 (The Cutaway):</p> <ul style="list-style-type: none"> Preparation for pedestrian diversion over Nawi Cove and extension of hoarding for second stage of condensed water installation and HV and stormwater works Waterfront footpath closure for one night in February 2023 Removal of cables and lighting poles. <p>Zone 6 (Hickson Road, under bridge):</p> <ul style="list-style-type: none"> HV installation works at night subject to out of hours works (OOHW) approval Temporary sewer diversion next to office carpark. <p>Station Box:</p> <ul style="list-style-type: none"> Continue sandstone cladding installation and architectural finishes Lift installation including glazing ongoing Services, ductwork and cable containment installation ongoing (electrical, fire, hydraulics, security) 			

- Headland Park carpark works.

ER Inspections

There was one inspection conducted by the ER in January 2023 (25/01/23). Issues raised and discussed were as follows:

- Maintenance of erosion and sediment (ERSED) controls as per the Erosion and Sediment Control Plan (ESCP) for works in Zone 5 close Nawi Cove.
- Identification of improvement opportunities related to the management of concrete washout in Zone 4.

Photos



ERSED controls required maintenance in Zone 5



Backfill of Stage 1 condensed water pipes almost complete in Zone 5



Random concrete washout deposits in Zone 4 – Subcontractors to be tool-boxed on best practice environmental management



HV pit excavation was underway near Dalghety House



Planning for the relocation of the WTP was discussed



Internal haul roads were damp; no dust issues observed



The foundation and parapet for the new WTP location was being prepared



The final section of the H01/02 stormwater trunk main – see discussion of incidents for more information



All reuse and import stockpiles were well covered



Backfill and compaction of ventilation pods; vibration monitoring ongoing on Hickson Road wall

Endorsed Document/s

- Nil

Non-compliance/ Incidents or Repeat Complaints

There was one potential incident for Barangaroo Station reported to the ER under condition A41 of SSI 7400 for the period. The incident remains under investigation, including analysis of water quality monitoring results, and confirmation of incident classification:

- **24/1/23:** A sediment plume was observed in Nawi Cove near the H01-02 future stormwater outlet. Work was ceased and an investigation found that excavation activity was underway for the H01-02 Stormwater Pit, which was thought to have disturbed the base of the trench, resulting in sediment bypassing controls (steel plates) and sediment laden water entering the pit and outlet pipe. Highly graded aggregate at the base of the pit and pipe allowed for free flow of tidal waters through the aggregate. A sediment boom was placed within the H01-021 excavation. At the time of the incident the tide was dropping to an extreme low tide of 0.16m at 5:45pm, and the water within the excavation was being pulled out via the aggregate into Nawi Cove, causing the sediment plume. Water samples were collected immediately by consultants on site at the time. Preliminary results indicate a significant elevation in Turbidity (174.9 NTU); a finalised water quality monitoring report with analysis of results for other analytes including metals, was pending at the time of writing this ER monthly report. Works are understood to have since recommenced after a new proposed methodology was developed, including measures to reduce the risk of a recurrence.

There were no non-compliances (NC) reported to the ER for Barangaroo Station for the period. It is possible a NC may be raised in relation to the above incident, once the investigation is complete.

The ER is aware of one complaint reported during January 2023 related to BESIX Watpac works:

- Complaint received about the volume of a radio playing next to the Cutaway during an exhibition. After follow-up with the complainant, BESIX Watpac has banned radio use at surface level where there is a public domain interface. A Toolbox was communicated to the site team, with record provided for review, dated 30/1/23.

Audits

No ER involvement in audit activity including Independent Environmental Audits.

Summary of Environmental Performance

The following key points were discussed during the period:









- Approval of the ER Form and commencement of works to enable HV installation and associated pedestrian diversion in the form of a scaffold bridge over Nawi Cove.
- Preparation of the methodology to relocate the WTP is ongoing. WSP Consultants have confirmed an update to the WDIA will not be required, though a memo is being prepared to provide assurance that water quality objectives will be met throughout the process.
- Requirements for archaeological monitoring associated with the WTP relocation.
- Elevated cyanide detected in harbour during incident on 24/12/22, further investigation and preparation of exceedance report.
- Potential water pollution incident on 24/1/23 ~4.15pm when cloudy water was observed in the harbour adjacent to the western civil pit outlet.



- Pending variation approval by Sydney Metro for clean-out of the western civil pit outlet and alternatives.
- Rectification of Ausgrid power outage in station box and associated complications with timing for generator use and interpretation of emergency works between BESIX Watpac and Linewide contractors.
- Approval of OOHWA-012 for HV works and associated CNVIS review and update.
- Vibration monitoring at the Hickson Road wall during backfill and compaction of the ventilation pods.
- Stockpiling and ex-situ waste classification, and reuse on site of material sourced from Zone 3.1 (near former gasworks) (SP04) - letter from EP Risk to be reviewed to confirm compliance with contaminated land and remediation requirements (related to contamination hot spot remaining in-situ).
- Confirmation of the remediation approach for the site remains outstanding; advice from contamination consultant pending.

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"> Combined service route (CSR) defects complete across various locations, e.g. Belmore, Hurlstone Park and Punchbowl Culvert relining works at Hutton Street Hurlstone Park, Lakemba and Rosemount Street Punchbowl. Pit complete, sealed, connected and backfilled at Lakemba. Heritage sandstone block removal from Way Street laydown complete – ENM certification complete and reuse arranged at Bankstown Station, and by Downer (SWM Stations) and Willoughby City Council Non-destructive digging (NDD) service investigations in several locations CSR Pit dewatering ongoing (water treatment at Belmore Triangle laydown) Planning for WE32 Possession (3-5th February 2023), including materials deliveries Canterbury Compound: Site offices and amenities, fuel and gas storage. Quenos pipe relocation to Canterbury compound Marrickville, Dulwich Hill, Hurlstone Park, Canterbury: Survey out of hours (Mon-Thurs) and track monitoring of the ARTC line <p>Bankstown Early Works (BEW):</p> <ul style="list-style-type: none"> Nil. <p>Bankstown Station & Additional Corridor (BAC):</p> <ul style="list-style-type: none"> Nil. 			
Key Construction Activities Look Ahead			
<p>Out of Hours Work:</p> <ul style="list-style-type: none"> Weekend 32 Possession (WE32) 3-5th February 2023. Main scope will be the installation of segregation fencing between Sydney Metro and ARTC lines in various locations. <p>Other:</p> <p>SMC:</p> <ul style="list-style-type: none"> Marrickville, Dulwich Hill, Hurlstone Park, Canterbury: Survey out of hours (Mon-Thurs) and track monitoring of the ARTC line Marrickville: Livingstone Road bridge works – girder repair to commence mid-February Hurlstone Park: Church Street bridge pile installation and FRP of cap to commence mid-February. <p>BEW:</p> <ul style="list-style-type: none"> Nil. JHLOR scope complete; working towards environmental completion. <p>BAC:</p> <ul style="list-style-type: none"> Limited to works under PCMWA-006 during WE32 Nil BAC specific as contract not awarded. JHLOR scope complete; working towards environmental completion. 			
ER Inspections			
<p>There was one ER inspection conducted in January 2023 (31/1/23). There were no issues raised during the inspection. Inspections have been reduced to monthly due to limited activities and low environmental risk, as determined by JHLOR and Sydney Metro in consultation with the ER.</p>			

Photos	
	
Controls maintained at Victoria Rd Bridge, Marrickville	Completion of layback and turf restoration at Ewart St, Dulwich Hill
	
Segregation fence pile caps were complete between the future Metro and ARTC line, Melford St Hurlstone Park	North Terrace compound, Bankstown Station
	
No active JHLOR works on North or South Terrace, Bankstown Station. No issues identified	
	
Internal fitout of the MSB was ongoing and temporary ERSED controls maintained in good condition	

Endorsed Document/s
<ul style="list-style-type: none"> SMC_BEW Environmental Completion Form Q3 2022_Final 13/1/23
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 SMC.</p> <p>There were no non-compliances reported to the ER during the period.</p> <p>There were no incidents reported to the ER under Condition A41 of SSI 7400.</p> <p>There were no Class 3 environmental incidents reported to the ER during the period.</p> <p>The ER is not aware of any complaints received during December 2022 related to the SMC works.</p>
Audits
No ER involvement in audit activity including Independent Environmental Audits.
Summary of Environmental Performance
<p>Planning was underway for the WE32 Possession, which involves the installation of segregation fencing between the future Sydney Metro and current ARTC lines. Potential exists for noise impacts. Noise modelling and respite has been offered, with relevant records provided to the ER for information. Out of hours permits have been self-assessed by JHLOR as per their internal system under their EPL as usual.</p> <p>Other than the possession, environmental risks on site are generally low and mostly confined to erosion and sediment (ERSED) control at site accesses, and the stabilisation of batters and site surfaces.</p> <p>The Bankstown Station and Corridor Works (BAC) contract was not awarded so all scope under the DPE approved CEMP and Sub-plans has been cancelled, this includes all plans for the establishment of ancillary facilities and track slab installation.</p> <p>Tree removal within station precincts and compliance with tree numbers in the SPIR remains an ongoing focus, particularly in relation to security fencing design. The scope and details for construction of this element is also pending.</p>
Looking Forward – Core Focus Areas
<ul style="list-style-type: none"> Management of ERSED controls generally Management of noise during OOH Work, e.g. WE32 Possession Completion of the Q4 2022 Compliance Tracking Report (CTR) Condition completion and close-out of environmental issues and sites for BAC and BEW utilising the ER inspection process.

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

Project Approval	Contract Package	Environmental Representative/s
SSI 8256 (\$2B)	Marrickville, Canterbury & Lakemba Station Upgrades (MCL) (HSEJV)	Brett McLennan
Key Construction Activities During the Period		
<p>OOHW Wk30 (23-25/01/2023), OOHW WK31 (30/01-2/02/2023)</p> <p>Marrickville:</p> <ul style="list-style-type: none"> ▪ Anti-throw screens station side mostly completed (pending possession) ▪ MSB fit-out ongoing, landscaping ongoing ▪ MSB security fencing install ongoing ▪ Construction of the shared user path ongoing ▪ Station secondary containment installation ongoing <p>Canterbury:</p> <ul style="list-style-type: none"> ▪ MSB - continuation of service installation and utility connections, blockwork ongoing ▪ Platform 0 and 2 fences are mostly complete (pending possession) ▪ Platform 2 CSR and stormwater are mostly complete (pending possession) ▪ GST brackets and containment city and country end ongoing ▪ Installation of Lift 1 and 2 equipment ongoing ▪ Paver sealing on the concourse completed ▪ HV pit installation ongoing <p>Lakemba:</p> <ul style="list-style-type: none"> ▪ MSB internal fit-out and utility installation continued ▪ GST Installation continued ▪ Landscaping works near the station entrance are on hold ▪ Concourse installation of structural steel completed WK30 ▪ Roller Shutter Delivery and Installation 		
Key Construction Activities Look Ahead		
<p><u>All sites</u></p> <ul style="list-style-type: none"> ▪ Planning, coordination and monitoring the OOHW WE31 (4-5/02/2023) and Wk31 (6-10/02/2023) ▪ Continuation of high-level containment at all stations ▪ Continuation of MSB construction and/or fit-out at all stations ▪ Landscaping works <p><u>Marrickville</u></p> <ul style="list-style-type: none"> ▪ Temporary finish of SUP to allow re-opening (Final design pending) ▪ Radio mast earthing ▪ MSB external works. Boundary fencing, irrigation works, soft landscaping, FRP carpark ▪ Platform buildings. Cable Reticulation MSB to Platform. Planned for early Feb. ▪ Minor LCR works ▪ Completion of anti-throw screens ▪ Station Street re-grading ▪ Landscaping <p><u>Canterbury</u></p> <ul style="list-style-type: none"> ▪ Station precinct works finalisation ▪ MSB cladding ▪ MEP Works - Station Masters Room ▪ Lift commissioning works ▪ Lift Landings 1 and 2 (Remaining Structural Steel, Roofing, Guttering and Glazing) ▪ Canopy cutback works ▪ Complete fencing works ▪ Installation of hearing loops ▪ Concourse cable containment ▪ Landscaping <p><u>Lakemba</u></p>		



- MSB fit-out and cable pulling
- Landscaping works
- CSR and Handover SD5
- Stormwater backfilling
- Negative bus bar and NDD works
- Installation of hearing loops
- Ticket office upgrades
- GST installation
- Station roller shutter installation
- Fencing works

ER Inspections

One ER inspection was conducted for MCL on 18 January 2023. The key issues raised during the inspections were:

Marrickville:

- Minor updates of erosion and sediment (ESC) where drainage works had been installed at the MSB
- Deteriorated banner mesh required replacement
- Replacement of missing heritage protection signs and weed management

Canterbury:

- Minor ESC maintenance and update ESC for new potential flow paths after reshaping MSB batters/ramps
- Dust mitigation

Lakemba

- Re-cover the relocated accessible parking marking within the compound gate

Photos



Marrickville MSB landscaping and drainage works, and heritage protection



Marrickville MSB driveway and security fence installation



Canterbury MSB access ramp (ESC discussed with HSEJV)



Canterbury compound



Lakemba MSB and haul road



Lakemba MSB housekeeping (rubbish removal) is required.

Endorsed Document/s
<ul style="list-style-type: none"> OOHWA-043 WK 30 OOHWA-041 WK 31
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 no new NCRs for the month and one complaint relating to MCL works. There were no incidents for MCL reported to the ER under condition A36 of SSI 8256.
The complaint is summarised as follows: <ul style="list-style-type: none"> A vehicle had parked over the complainant's driveway at Canterbury.
Audits
No ER involvement was requested in audit activity including Independent Environmental Audits.
ER Closing Comments and Looking Forward – Core Focus Areas
<p>The ER has continued to hold meetings with HSEJV and Sydney Metro to discuss the ongoing issues. Focus on noise, ESC and site startup was the focus throughout the month. Ongoing discussions with Sydney Metro are ongoing regarding the remaining contractor scope and identifying potential medium to high-risk works, as well as implementing Package 4 closeout procedures.</p> <p>Looking forward:</p> <ul style="list-style-type: none"> Continued implementation checks for CEMP and sub plans, focusing on noise, dust and ESC. CTR Q3 2022 review and endorsement OOHWA approvals

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		
OOHW WK31 (30/01-2/02/2023) <u>Hurlstone Park</u> <ul style="list-style-type: none"> Metro Services Building (MSB) –Cladding for MSB roof and west wall continued (steel installation pending power outage), and internal fit-out commenced MSB chiller piling works completed MSB OSD tank concrete completed MSB earthworks for paving works commenced High-level containment works ~25% completed (possession dependent) <u>Belmore</u> <ul style="list-style-type: none"> MSB landscaping continued ~75% completed <u>Wiley Park</u> <ul style="list-style-type: none"> MSB fit out and landscaping ongoing, blockwork and roofing completed Lifts installed and commissioned Security fence and segregation fence installation ongoing Platform and concourse building refurbishment works continued; high-level containment works continued Platform Balustrade works ongoing Concourse works ongoing Plaza and King Georges Rd paver installation continued <u>Dulwich Hill:</u> <ul style="list-style-type: none"> Precinct FRP for walkway ongoing 		



- Footbridge fit out continued
- MSB chiller and transformer installed

Campsie:

- Concourse MEP, Rough-In Works - 90% completed
- GST at MSB - Ongoing ~20% completed (pending possession)
- Hydraulic Connections and works at platforms and in the rail corridor ~30% - complete (pending possession)
- Concourse Structural Steel New Canopy Works ongoing (on hold pending design approval)
- Station room aircon, bike room and shop 3 ~30% completed (on hold pending design approval)
- Canopy containment works ~95% completed
- Lillian Lane footpath ~75% completed
- Security fencing works ongoing
- Platform 2 PID and DEC footing ~90% completed
- Platform 1 footings ongoing ~50% completed
- MSB Blockwork completed
- Installation of the station building and concourse distribution boards commenced

Punchbowl:

- MSB fit out continued
- MSB landscaping works re-scoped for upper batter, to commence in February
- Concourse roof electrical works ~85% completed
- Platform fit out ongoing
- Southern plaza landscaping works continued
- Lift commissioning continued
- MSB transformer installation completed.
- GST accessories ~80% completed (Pending design approval)
- Cable pulling ~80% completed (Pending design approval)

Key Construction Activities Look Ahead

All Stations

- Landscaping for station Plaza(s) and MSB areas
- 701HV Feeder Testing and Commissioning
- 687HV UGOH VLF Testing and Commissioning
- Planning, coordination and monitoring the OOHW WE31 and Wk31
- Completion of scope listed in the current period (above).

Hurlstone Park

- Chiller installation
- Lift installation Mid-Feb for platform one
- Ramp paving works

Belmore

- MSB and Station small; scale electrical fit-out ongoing.
- Rectification work to RMS fence

Wiley Park

- Installation of artwork
- Paving King Georges Road
- Landscaping platforms

Dulwich Hill

- Glazing of Footbridge
- Structural Steel Canopies over new stairs, under stair steel
- Roofing to the footbridge
- Trackside Equipment - NBB ULX Works, DCS Antenna Footings
- Platform Brickwork
- Station Submain Replacement
- Lift installation and commissioning

Campsie

- Builder works – Station room aircon, bike room and shop 3

Punchbowl

- Landscaping to MSB batter and surrounds

- Lift glazing works

ER Inspections

One ER inspection was conducted for MHBW and DCP on 18 January 2023. The key issues raised during the inspections were:

Punchbowl

Ongoing surveillance of trees previously identified as dying back in the PAD. Pending Downer's arborist report.

provision of Council hand back evidence

Minor Erosion and Sediment Control (ESC) updates

Wiley Park

Minor ESC updates

Minor concrete/grout washout outside of designated area/bund

Maintenance of landscaped areas and provision of Council hand back evidence

Dulwich Hill

Installation of noise mitigation for high-impact work

Photos





Dulwich Hill: hammering without appropriate noise mitigation



Campsie: MSB block work



Punchbowl: transformer installation 	Hurlstone Park: MSB chiller pad installation 
Belmore: MSB landscaping works	Wiley Park: Southern entrance and landscape works
Endorsed Document/s	
<ul style="list-style-type: none"> OOHWA-41 Wk31 	
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 DCP and HBW.</p>	
<p>The ER is aware of no non-compliances for the month and three complaints relating to DCP and HBW works. There were no incidents reported to the ER under condition A36 of SSI 8256.</p>	
<p>The complaints are summarised as follows:</p>	
<ul style="list-style-type: none"> One complaint at Dulwich Hill regarding stormwater runoff during a large storm event. One complaint at Dulwich Hill regarding alternate accommodation offers mid-week, property values, MSB visual impacts and construction fatigue. One complaint at Hurlstone Park regarding noisy work during standard hours and consultation timeframes for noisy work. 	
Audits	
<p>No ER involvement was requested in audit activity including Independent Environmental Audits.</p>	
ER Closing Comments and Looking Forward – Core Focus Areas	
<p>The ER discussed potential environmental issues with Downer throughout the month, in particular maintenance of ESC after storm events and dust mitigation. Community and contractor construction fatigue remains an ongoing issue for the project. Landscaping works continued and the environmental risks of the site continue to reduce as more areas are completed. Ongoing discussions have occurred throughout the month regarding community consultation and notifications.</p>	
<p>Looking forward:</p>	
<ul style="list-style-type: none"> Continued implementation checks for CEMP and sub plans, focusing on ESC and community impacts Compliance Tracking Q3 2022 review and endorsement, commence Q4 2022 review (~ Late Feb). Coordination meetings with Sydney Metro and contractors for OOHW. Package 5 and 6 conditions of approval closeout procedures. 	

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	Activities were reduced for most packages over the Xmas/New Year break. 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	▪ The ER was provided an updated SM CSW Construction Monitoring/Tracking and Program Reporting Report (Rev 4, 19 December 2022) for consideration and endorsement as appropriate. This was endorsed on 19 Jan 2023.		
Non-compliance/ Incidents or Repeat Complaints			
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 the respective projects.			
There were no non compliances or incidents raised by the ER against Sydney Metro for the period.			
Audits			
SM	The ER is yet to be updated on the Audit program for 2023.		
Looking Forward – Core Focus Areas			
SM	Sydney Metro is planning an OOHW Lessons Learnt / forward planning workshop with the Southwest Metro PCs, in response to recent observations of highly conservative noise models used in applications. The timing of this is to be confirmed.		



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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