

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

7 March 2023
Ref: 170108-ER_DPE February 2023

Dear Rob

RE: Sydney Metro City & South West – ER Monthly Reports for February 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), MOD 3_ 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 February 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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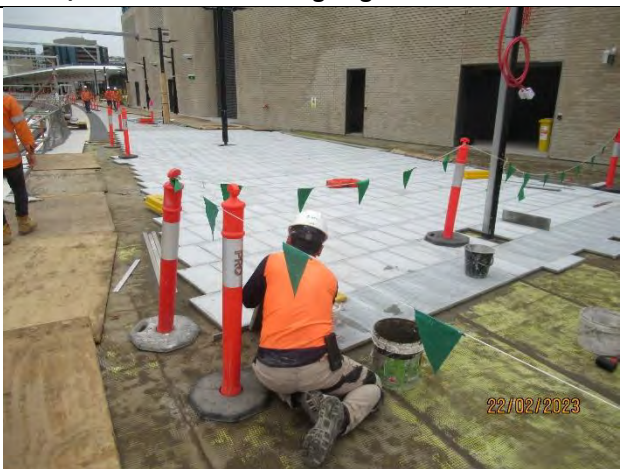
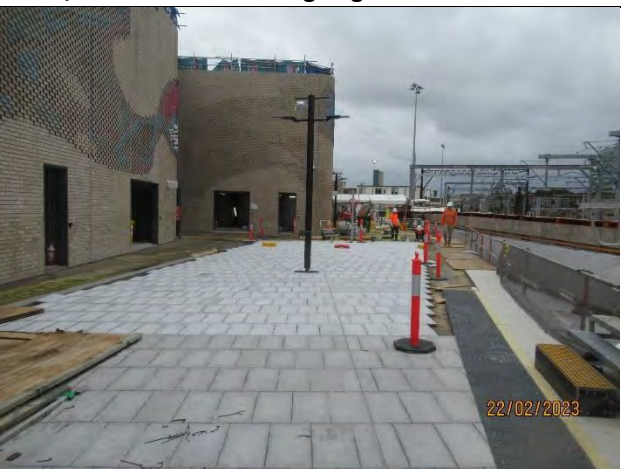
1. Central Station

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. Operation of permanent stormwater system. ▪ 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 some surface waters. Truck access; laydown. Reduced activities due to reduced works on the project. ▪ Northern Concourse – Ongoing works at intersection of Northern Concourse and Metro Box area. ▪ Eastern Entrance – Ongoing fit out and general construction activities. Fit out of escalators continued. Ongoing use of the footpath within the site hoarding in front of the site on Chalmers Street. Ongoing use of scaffolding at the rear of the building along Randle Street. Construction of brick and block wall along Randle Lane. ▪ 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, tiling 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 ▪ Utilities works in Randle Lane OOHs 			
ER Inspections			
<p>There were two ER inspections during the reporting period conducted on 1 February 2023 (reported in the January ER Monthly Report) and 22 February 2023. Issues raised during the later inspection included:</p> <ul style="list-style-type: none"> ▪ Ongoing use of tonal alarms on EWPs at different locations ▪ Use of radios in outdoor areas 			
Photos			
			
Eastern Entrance: View from Chalmers Street.		Eastern Entrance: View towards Chalmers Street	

	
<p>North/South Concourse: Ongoing fit out</p>	<p>North/South Concourse: Ongoing fit out activities</p>
	
<p>Platform 14: Ongoing tiling detail</p>	<p>Platform 14: Ongoing tiling detail and fit out of the canopy.</p>
<p>Endorsed Document/s</p>	
<p>▪ Nil</p>	
<p>Non-compliance/ Incidents or Repeat Complaints</p>	
<p>One complaint relating to noise from use of radios at Regent Street was reported to have been received during the reporting period. No Incidents were reported that would trigger reporting under Condition A41 and no non-compliant events were reported or observed by the ER.</p>	
<p>Audits</p>	
<p>There were no audits conducted during the reporting period.</p>	
<p>Summary of Environmental Performance</p>	
<p>Good environmental performance was generally observed, noting no incidents reported and only low risk issues identified during inspections.</p>	
<p>Looking Forward – Core Focus Areas</p>	
<p>▪ Nil</p>	



2. SSJ

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. Operation of permanent stormwater system. ▪ 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 some surface waters. Truck access; laydown. Reduced activities due to reduced works on the project. ▪ Northern Concourse – Ongoing works at intersection of Northern Concourse and Metro Box area. ▪ Eastern Entrance – Ongoing fit out and general construction activities. Fit out of escalators continued. Ongoing use of the footpath within the site hoarding in front of the site on Chalmers Street. Ongoing use of scaffolding at the rear of the building along Randle Street. Construction of brick and block wall along Randle Lane. ▪ 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, tiling 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 ▪ Utilities works in Randle Lane OOHs 			
ER Inspections			
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Photos			
			
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North/South Concourse: Ongoing fit out	North/South Concourse: Ongoing fit out activities
	
Platform 14: Ongoing tiling detail	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	
One complaint relating to noise from use of radios at Regent Street was reported to have been received during the reporting period.	
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 incidents reported and only low risk issues identified during inspections.	
Looking Forward – Core Focus Areas	
<ul style="list-style-type: none"> Nil 	

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 Line Wide #12208 Sydney Trains	Swathi Gowda
Key Construction Activities During the Period			
<p>Key Construction Activities below -SC Reports:</p> <p>Chatswood Dive Site (CDS): Concrete surface removal and FRP works for detention tank for fire water systems Dive building – Mechanical and electrical (M&E) works; fit out works Chatswood Sewer/Water Connection works (OOHW)</p> <p>Northern Connection - WK 34 Possession Scope largely completed – minor scope/defects left to be completed. Blues Point – No works on-site. Minor defect works expected at later date. Ancillary sites - Hill St (Roseville), Valetta Ln, Cleland Rd, Lambs Rd and Chandos St demobilised</p> <p>SW Corridor Traction Substation sites:</p> <p>Operation of compound and laydown at Belmore Compound</p> <p>Dulwich Hill TSS</p> <ul style="list-style-type: none"> ▪ Remainder of façade panel and steel installation work completed (WE32) ▪ Electrical fit out works in progress <p>Canterbury TSS</p> <ul style="list-style-type: none"> ▪ Steel installation works completed ▪ Electrical fit out works in progress <p>Campsie TSS – No works on-site</p> <p>Lakemba TSS</p> <ul style="list-style-type: none"> ▪ Electrical fit out works ▪ Remainder of façade panel installation completed (WE32) ▪ PKG 620 CSR works commenced <p>Punchbowl TSS</p> <ul style="list-style-type: none"> ▪ Electrical fit out works <p>Pat O'Connor (POC) Reserve, Canterbury – No works. Tree planting remaining on Ausgrid side of cable bridge.</p> <p>BPS Joint Bay worksites (Cooks Ave, Gould St and South Pde)</p> <ul style="list-style-type: none"> ▪ Gould St and South Pde Joint Bay – works recommenced early Feb 2023 and Cooks Ave Joint Bay reopened mid-Feb 2023 for further investigation, cable replacement and testing works. ▪ Dewatering during Standard Hours (as required) at the Joint Bay sites. <p>Southern Dive & SMTF South Marrickville: Operational WTP – Mechanical testing and dry commissioning work ongoing Admin Building - Testing and Commissioning (T&C) ongoing, acoustic louvre installation Maintenance Building - T&C ongoing Fire Pump Room - Electrical testing Stabling Yard – Rail to earth tests and footpath alignment works Southern Dive - Façade installation works ongoing, block work Civil Works -Mulch placement and palisade fencing. Sydney Steel Road - Batter alignment and DGB placement ongoing</p> <p>Surry Hills BPS works – Frog Hollow Reserve Frog Hollow Reserve – Pending hand back to City of Sydney Council</p>			
Key Construction works/activities Look Ahead			
<p>Look-ahead of upcoming activities /works:</p> <ul style="list-style-type: none"> ▪ CTR Q3 2022 reporting/ review process. ▪ Chatswood (intersection of Mowbray/Hampden Rd) OOHW for new sewer/water connections – Sewer Connection scope completed (Feb 2023) with Water Connection scope including investigative works remaining to 			

<p>be undertaken (March 2023, dependent on Sydney Water).</p> <ul style="list-style-type: none"> SW Corridor WE42 possession related OOH works – planning and preparation. Blues Point – minor maintenance/defect activities during Standard Construction Hours. Campsie to Canterbury BPS works [South Pde, Gould St Joint Bay and Cooks Ave (reopened mid-Feb 2023)] – Damaged HV cable removal, followed by new cable install, jointing and testing. SMTF S - Future access road works (near Gate S2) – Reporting for Cap and Containment Remediation works. 	
<p>ER Inspections</p> <p>There were four ER inspections conducted by the ER in February (07/02/2023, 14/02/2023, 21/02/2023 and 28/02/2023). Key new actions/notes raised are summarised below, with close out provided/being provided by SC:</p> <p>Northern Sites - ER Inspection #144 and #147 - 07/02/2023 [Tuesday; 0.0 mm rain (since 9am); Rainfall previous days to inspection: 0.0 mm – 4/02 -6/02] and 28/02/2023 [Tuesday; 2.4mm rain (since 9am); Rainfall previous days to inspection - 0.2mm (25/02) 0.0 mm (26/02) and 1.2mm (27/02)].</p> <ul style="list-style-type: none"> CDS Mowbray Rd – Sewer/water connection worksite (refer #OOHWA 275) – Discussed placement of road plate (safety permitting) on highly trafficable road /tidy up during OOH work shift (under traffic control/ROL). CDS - Observed jerry cans/chemicals without secondary containment in unventilated/unbunded shipping container. Discussed with SC re appropriate storage within bunded/ventilated areas where chemicals are hazardous/DG. CDS Site Egress (Mowbray Rd) – Raised and discussed tidying up of some material observed near site egress and alongside gutter including damaged sand bag (noting requirement for traffic control for safety reasons). <p>SW Corridor Traction Substation sites and BPS works - ER Inspection #145 – 14/02/2023 [Tuesday; Total Rainfall recorded – 0.4mm (14/02); Rainfall previous days to inspection – 0.2mm on 13/02 and 0.0m on 12/02, 11/02]:</p> <ul style="list-style-type: none"> Canterbury TSS and Belmore St Site Compound - Minor housekeeping required at Canterbury TSS and Belmore St Compound. South Pde Joint Bay - Noise blankets require to be reinstalled/adjusted to ensure no gaps around section of joint bay worksite (on residential receiver side). Campsie TSS - Coir log to be reinstated. <p>SMTF South and Surry Hills BPS works - ER Inspection #146 - 21/02/2023 [Tuesday; 0.0 mm rain (since 9 am); Rainfall previous days to inspection: 6.6mm – 19/02]:</p> <p>SMTF S Storage yard adjacent to site compound - It was noted that Jerry Cans and a hazardous storage cabinet, were being stored in an unbunded and unventilated shipping container. Jerry cans were also observed sitting unbunded on top of a hazardous storage cabinet. SC agreed to store Jerry Cans in appropriately bunded/ventilated areas.</p>	
<p>Photos</p>	
	
<p>CDS: Civil worksite for Firewater tank – Material load out underway.</p>	<p>CDS: Concrete surface removal works underway.</p>

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 (February 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"> ○ Cable pulling ○ Radio mast install at Campsie and Dulwich Hill ○ Cabinet installation in station equipment rooms ▪ Southwest Corridor: <ul style="list-style-type: none"> ○ Installation of fibre and cable along Sydney Metro cable containment between Sydenham to Hurlstone; and Lakemba to Punchbowl ○ Delivery and installation of Sydney Metro equipment at Stations and Metro Service Buildings - Dulwich Hill, Belmore, Lakemba and Bankstown ▪ Stations: <ul style="list-style-type: none"> ○ Central, Martin Place, Victoria Cross, Pitt Street, Barangaroo, Waterloo, Crows Nest and Sydenham: Testing and Commissioning (T&C) of Platform Screen Doors (PSDs) and ongoing installation of communications and signalling equipment. 			
Key Construction Activities Look Ahead – March 2023			
<ul style="list-style-type: none"> ▪ Tunnels: Ongoing installation of cables and trackside equipment in tunnels and 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"> ○ Cable pulling, radio mast install at Campsie and Dulwich Hill, Cabinet installation in station equipment rooms ▪ Southwest Corridor: <ul style="list-style-type: none"> ○ Mechanical install of communications equipment at Canterbury Traction Substation ▪ Stations: <ul style="list-style-type: none"> ○ Central, Martin Place, Victoria Cross, Pitt Street, Barangaroo, Waterloo, Crows Nest and Sydenham: T&C of PSDs and ongoing installation of communications and signalling equipment. 			

ER Inspections
▪ No ER inspections conducted in February.
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"> Removal of 3 trees on Clarke Street Demolition of the capping beams at site C was completed Early Feb 2023 Steel fixing and shuttering (Sites A - C). B4 OTE cladding and fit out Concrete pours Girder deliveries for B1/Level 0 Concrete pumping and pouring on Pacific Highway/Clarke Lane. Level 1/Level 0 form, reo and pour (FRP). 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 			
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 Public domain works by Sydney Water Demolition of the capping beam for Site A. Public domain work at Clarke + Oxley Street Concrete Pours on Oxley St 			
ER Inspections			
<p>There were two ER inspections conducted by Brett McLennan on 8 February 2023 and 22 February 2023 (ER inspections are on a fortnightly cycle weather and health permitting). The following issues were raised:</p> <p><u>Inspection of 8/2/23</u></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. <p><u>Inspection of 22/2/23</u></p> <ul style="list-style-type: none"> Erosion and sediment controls held up well against a large storm event (69 mm). Management of external work areas and hand back to the landowner required improvement. Erosion and sediment control of works remains the contractor's responsibility until the area is stabilised or the landowner takes responsibility for the area. 			

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 RO



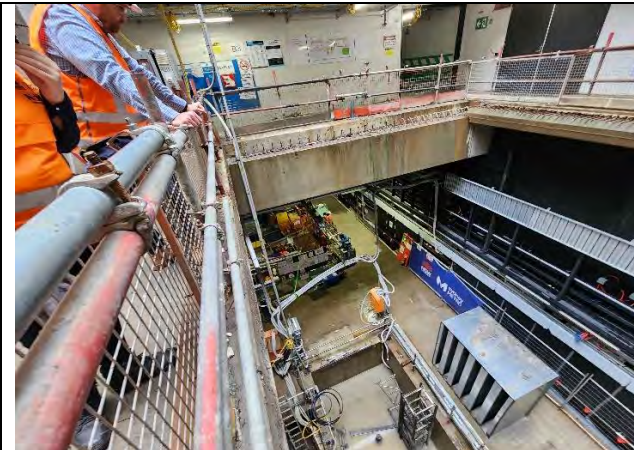
Site C: view northeast



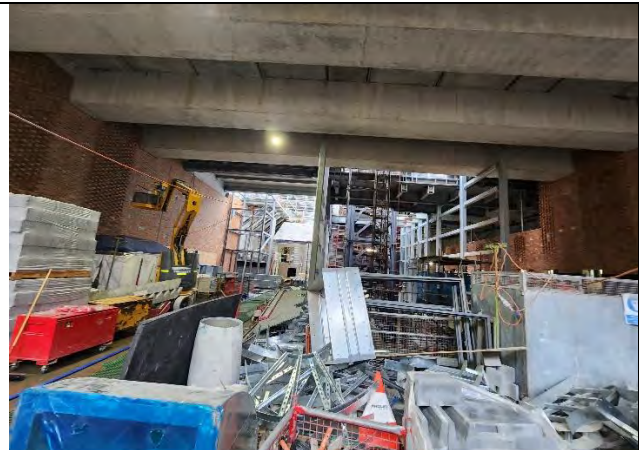
Site A view north: L2 FRP with Hume St FRP foreground



Hume St looking west: Level 0 slab and Bridge FRP



Site A: View to B5 (Platform) from B3 escalator gap



Site A Concourse (B03): View north

Endorsed Document/s

- Clarke Lane North Minor Ancillary Facility – Extension to 1 February
- OOHW 27 – Utilities investigations at intersection of Oxley St and Clarke Street
- OOHW 28 – Precast girder delivery (three nights – 27/02/23, 1/03/23 and 6/03/23)

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 of note was reported to or identified by the ER:

- 24 February – Sydney Metro staff raised the issue of discharge to a stormwater pit outside Site C. Investigation revealed a subcontractor was cleaning out the stormwater drainage line in Clarke Lane prior to upcoming work. Worker admitted to disposing of a bucket of water that “looked clean” taken from one of the pits into the next adjacent downstream pit location. The pit in question was protected by a drain warden with a coir log placed around the drain grate on the surface. The workers were reminded of project requirements and to collect all water and remaining sediment in the two IBCs or suck out with wet vac and do not under any circumstances discharge water from site. An A W Edwards Site Manager called the subcontractor to reinforce the message and organise for the pit to be cleaned out.

Three (3) Non compliances were reported to or identified by the ER:

- 2 February – Non Compliance against Condition E44. While attended noise monitoring was undertaken on 2 February 2023 to verify noise levels predicted in OOHW-25, a forklift associated with the Project was seen moving skip bins from Site C (Hume Street), down Clarke Street. AWE construction team were notified of the event and that it was not in accordance with OOHW-25. The construction team notified the second shift the forklift could not be used to move skip bins from Site C to the MAF after 6pm.
- 22 February – Non Compliance against Condition E44 f). OOHW works 025 not conducted in accordance with the AA conditions of endorsement of 23/12/22. The AA’s conditions of endorsement state “*Until agreed otherwise with the AA, monthly attended noise monitoring to be undertaken to validate noise predictions in this application for evening and night OOH periods. Attended noise monitoring results to be provided to the AA.*” AWE failed to conduct monitoring during January 2023 – first round conducted 2 February 2022.
- 15 February – Non Compliance against Condition B6 (Fail to implement Complaints Management System) or B7 (Failed to maintain Complaints register), or both - Actual circumstances are currently under investigation. A complaint was received on 15 February 2023 (fence restricting access to building, driveway being used/blocked by workers, forklift operations outside standard construction hours), which was not notified nor recorded in the Complaints register. Complainant subsequently raised another complaint on 22 February 2023 regarding disappointment with being ignored, and issues raised not actioned.

There were Five (5) complaints during the period, as follows:

- 10 February (10:19) – North Sydney Council forwarded through a complaint about waste water run off being

sent down the storm water drains on the street, and that it was pouring out of the site the whole day. Upon investigation AWE noted that there is a stormwater outlet near 463 Pacific Highway (south of our site) which routinely discharges water at odd times. The water runs down the Pacific Highway and past Crows Nest site as there is no stormwater pit along the gutter, until it gets to Oxley Street, where the water then runs down Oxley Street into the stormwater pit at Oxley/Clarke Street. AWE also outlined that any dirty water from site goes through tunnel to treatment plant in Chatswood. AW Edwards is currently waiting a response from North Sydney Council to confirm location and further details on the water leaving site.

- 15 February (10:16) – A resident on Pacific Highway contacted the project team expressing concerns on noise, environmental impacts at property, working hours, worker behaviour, and construction fatigue.
- 15 February (14:00) – A resident complained about fence restricting access to building, driveway being used/blocked by workers, forklift operations outside standard construction hours. This interaction was not originally entered as a complaint and has been revised to capture this. The stakeholder was not responded to until a week later, and only after a second complaint came through regarding no response and actions not addressed on site. See Complaint of 22 February below, and Non-compliance above.
- 16 February (10:03) – Stakeholder contacted the communications team and advised that AW Edwards subcontractors were tapping into their building's water.
- 22 February (13:55) – Stakeholder emailed the project team to express dissatisfaction with Place Manager not responding to concerns raised on Wednesday 15 February. Stakeholder approached team member on site on the 15 February, to raise a complaint on activities which were occurring in respect to use of a forklift outside standard construction hours, placement of fencing and use of buildings driveway. The interaction on the 15 February was not originally entered as a complaint, and has been revised to capture this. Stakeholder raised issues again that were discussed last week which were not addressed, and was still waiting for a follow up. Reportedly AWE advised the stakeholder that the site team had been instructed to not use buildings driveways or operate forklift outside standard construction hours, and would pull back fencing to provide access to bins for waste services and until this occurs, would manage the movement of the bins for the building. Reportedly stakeholder was appreciative of the phone call and happy with the solution put forward.

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







Continue to monitor new cut-down regime of extended hours OOHW and adjust as required. Ensure new onsite Environmental Manager is across project specific requirements.

ER Closing Comments:

Some of the momentum created around active and collaborative engagement within AWE appears to have been lost due to changes in the environmental teams, with the existing AWE onsite Env. Manager resigning and being replaced. This is reflected in the new non-compliances and a slight increase in complaints of note relative to the previous reporting period.

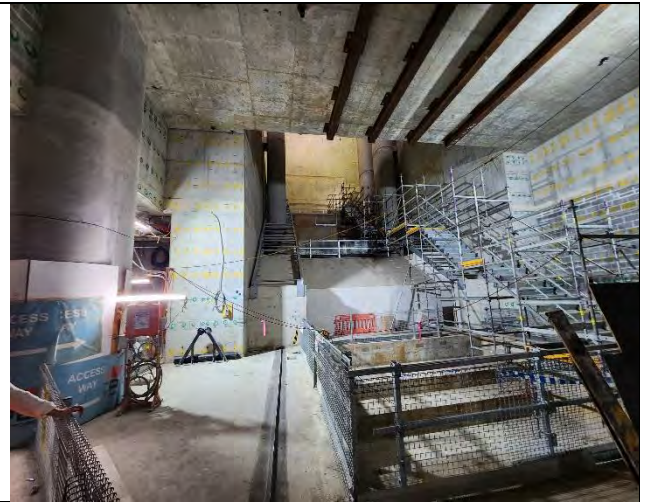
6. ISD – Pitt Street

Project Approval	Contract Package	EPL	Environmental Representative/s
SSI 7400 (C2S)	Pitt Street ISD (PS-ISD) CPB Contractors	No EPL	Brett McLennan/Rui Henriques
Key Construction Activities During the Period			
Pitt Street North <ul style="list-style-type: none"> Escalator void steelwork installation ongoing Blockwork to Level 00 and 01 ongoing Concrete pours and FRP for Level 5 Pitt Street South <ul style="list-style-type: none"> Installation of façade GRC & Aluminium Louvers across levels 3, 4 and 5 Blockwork construction progressing on levels 00 - 05 Fit-out works progressing throughout to FOH Zones on B04 to L5 Sandstone and glazing works and finished ceilings on level B04 and within the atrium zone Services and utilities works progressing throughout all levels 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 and 5 Block-work between levels 00 - 05 Fit-out works on B04 to L5 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 were two ER inspections by Mr Brett McLennan on 04 February and 28 February 2023 (ER inspections are on a three weekly cycle weather and health permitting).</p> <p>No issues of note were raised during the inspections</p>			

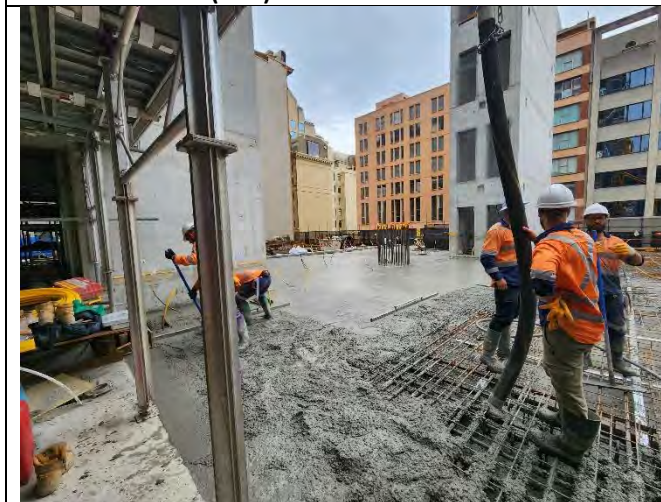
Photos	
	
Pitt St South (PSS): Level 5 podium/Level 6 western façade installation	PSS: Level 5 podium/Level 6 façade walls adjacent to Princeton Apartments
	
PSS Level 5 - Blockwork	PSS: Level 4
	
East Adit: Ceiling cladding installation near completion	South Cavern: Insulation and ceiling cladding installation continues



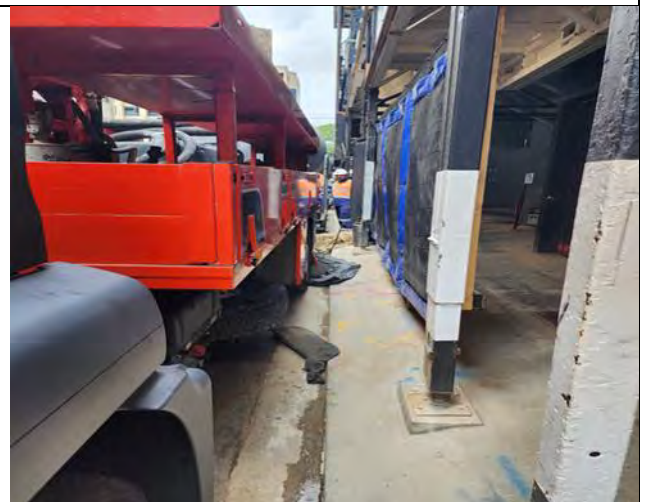
Pitt Street North (PSN): Level 00 Station Atrium



PSN: Escalator steelwork installation in escalator void



PSN – north-eastern side view northeast: Level 5 pour



PSN Castlereagh St delivery area: concrete delivery

Endorsed Document/s

- OOHW 053 – Façade Installation Pitt St North – Updated to include weekend day works and rattle gun use from 9 to 10 PM
- OOHW 050 – Long term OOH project works January to March 2023 Adjustment to reflect earlier start of Road Opening License (ROL)

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 related to the project reported to the ER this period.

There were four (4) complaints during the period, three (3) related to the project:

- 7 February (16:51) – Castlereagh Boutique complaint regarding early morning (6 am) drilling noise from North West end of the Pitt St North site. Upon investigation it was found that there were no drilling works on site at 6 am, the only works involved an oversized delivery to the site. However, this noise may have come from the contractor working on The Galleries.
- 9 February (10:29) – Kimpton Margot hotel complaint regarding noise during the night from North West end of the Pitt St North site. Upon investigation CPB indicated that utility installation work was taking place around the Pitt Street South site during the night. CPB stated they checked the site diary (for night of 8/2/23) and spoke

with the Construction Manager and Senior Engineer. CPB note that high noise activities were completed by 10:15 pm. Crew were off site by 4:50 am. The noise monitor was not triggered during the night - 8/2/23. CPB noted that Noise blankets were installed around the work area and the vacuum truck was turned down to minimise noise in accordance with. CPB Community Place Manager and Construction Manager met with Kimpton Margot representatives to discuss the noise complaints and acknowledged that they were working in Pitt Street on this night. CPB will continue working with Kimpton Margot to ensure utilities are completed on nights they are least busy. However, other factors may impact on when CPB can undertake this work, such as utility provider and sub-contractor availability. The Kimpton Margot representatives acknowledged that they both receive the weekly Pitt Street Station email updates with dates for out-of-hours works.

- 18 February (14:08) – Complaint from business regarding construction impact on business from the Pitt St North site. Reportedly the CPB Community Place Manager door knocked the business on Monday 20/2 and spoke with the owner regarding concerns raised in his email. His main concerns are around impacts to his business. He would like to know how Sydney Metro can help his business because he is losing customers due to construction noise. CPB will arrange “ACCESS OPEN” signs for the businesses on Castlereagh Street near the site, and will also provide the business owner details for the NSW Government Business Connect program. He also asked whether local businesses will be provided the opportunity to lease shops within the new metro station. The business owner appreciated this offer from the CPB CPM.
- 21 February (3:22) – Resident complaint regarding noise during the night from the Pitt St North site. Upon investigation CPB indicated that high noise activities, including saw-cutting and jack-hammering was completed at around 10 pm. Work using a vacuum truck was completed before midnight and the crew were off site at 4:45 am. CPB CPM also reported checking the on-site noise monitor to ensure it was not triggered. Reportedly, CPB emailed the resident providing details on utility work that took place the night prior, and the activities that took place. Including when saw-cutting was completed, why they install steel road plates, requirement to work at night, next scheduled utility night shift at Pitt Street North and mitigation measures implemented. CPB CPM also offered to meet with the residents.

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 well throughout the period, with minimal complaints related to project despite the level of activity in surrounding public domain areas. The project is continually investigating alternative construction sequencing and approaches, including pushing for earlier ROLs 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		
<p>Update provided by Contractor on 16/02/23:</p> <ul style="list-style-type: none"> ▪ 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 ▪ Fit out works and service installation across B5, B3 and Level 1 (North/South) ▪ Electrical cable pulling (Station) ▪ Capping Beam removal ▪ Handover of southern area to the Over Station Developer ▪ Façade installation ▪ Civil works on Cope Street 		
Key Construction/Activities Look Ahead		
<ul style="list-style-type: none"> ▪ Utility investigation and works in local roads around site, including proposed OOH (scheduled to occur Mar 2023 onwards) ▪ Capping beam removal 		
ER Inspections		
<p>ER inspections are on a three weekly cycle weather permitting. One ER inspection was conducted by the ER on 09 February 2023 [Thursday; 27.8mm rain since 9am (09/02) and rainfall (mm) recorded prior to inspection day - 0.0mm (06/02 – 08/02)]. Following issues/actions were raised:</p> <ul style="list-style-type: none"> ▪ Cope St Site Compound: Sediment controls observed around drains on Cope St. Following recent rain including prior to inspection, require maintenance around sediment controls (including any damaged sediment controls) and gutters. ▪ Note raised relating to minor housekeeping required near WTP and AA note relating to EWPs identified on platform level with tonal and squawker movement alarms (noting not necessarily an issue at Platform Level and more of an issue if these EWPs were used at ground and upper levels of the north and south buildings). 		
Photos		
<div>   </div>		
WL ISD - View of Northern Building from Botany Rd.		WL ISD – Northern Building – concrete pour underway.

	
WL ISD – Concourse Level B3 – cladding installation works progressing.	WL ISD – Concourse Level B3 – cladding installation works progressing.
	
WL ISD – Station Platform Level - Escalator testing.	WL ISD – View of Southern Building from Wellington St.
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 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>No minor (Class 3) events reported to the ER during this reporting period.</p> <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 	
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:

- Nil complaints in reporting period (same as Jan 2023 – no complaints). Potentially, due to minimal OOH Utility works being conducted across Dec 22 – Feb 23 period, which were 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.

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 - Update provided by LL on 01/03/23: VC North (VCN): <ul style="list-style-type: none"> ▪ Façade blockworks ▪ Structural works within plenum, concrete pours/steel fixing/formwork (up to level 4) ▪ Fit out works and services within the shaft 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 and Denison 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 5 ▪ 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 St/Miller St 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. Two ER inspections were conducted on 9 February 2023 [Thursday; 27.8mm rain (since 9am) and rainfall (mm) recorded prior to inspection day - 0.0 mm (06/02 -08/02) and 28 February 2023 [Tuesday; 2.4mm rain (since 9am) and rainfall (mm) recorded prior to inspection day - 0.2mm (25/02), 0.0 mm (26/02) and 1.2mm (27/02)]. The following new issues/actions were raised: <ul style="list-style-type: none"> ▪ VCN – North Yard Area: Washout tray placed under Concrete Kibble delivery area and some controls added, to close out previously raised action. Discussed with LL that surrounding area is tidied up further. ▪ Notes raised to restore portable bund capacity (at WTP), following recent rain and expected rain and request for photos post maintenance around ESC/tidy up of Denison St (Stage 3) stormwater worksite. ▪ Stormwater worksite – Miller St: LL to further investigate/assess noise mats (reinstallation/removal of) for current stage of works/plant within excavation during Standard Construction Hours. Shade Cloth installation to be considered/implemented around section of worksite subject to any safety considerations. ▪ Miller St – Footpath Closure Signage - Discussed if additional signage (following 16 Feb 2023 complaint) could be placed to inform pedestrians/commuters of access for bus stop only. LL agreed to install additional signage. 		

Photos

VCN Level 4



View of plenum area from VCN Level 4



VCN: View of VCN Level 4 and plenum area from Level 4

VCN Level 3



VCN Level 2



VCN – Levels 2 and 3: Blockwork for external walls/facade largely completed up to Level 3. Internal blockwork continuing



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





Public Adit: GRC panel installation progressing



VCN Miller St: Façade installation on Southern side commenced



Station Cavern: Escalator install scheduled to occur

	
<p>VCS: View of Carpark and Low-Rise Commercial Building. Level 3 of Low-Rise Commercial Building poured.</p>	<p>VCS - Denison St stormwater worksite: Stage 3 stormwater works have recommenced.</p>

<p>Endorsed Document/s</p>
<ul style="list-style-type: none"> Construction Groundwater Management Plan Rev H
<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>
<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"> 01/02/2023 – VC ISD - Property - Damage/prevention - Complaint received from Denison St motorist stating his car had been damaged due to steep gradient/gutter on Denison St. 04/02/2023 - VC ISD - Worker behaviour - Complaint received from resident regarding smoking around the Victoria Cross south site. Resident stated since the last time he raised concerns (complained previously in Aug 2022) about workers smoking in the area, that situation has recently deteriorated with metro workers having little if any regard for the health and safety of the public. 16/02/2023 - VC ISD - Miller St – Property – Access - Email citing concerns about footpath closure signage near bus stop impacting safe disembarkation from the bus. Complaints unrelated to SM activities for this reporting period: <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>
<p>Looking Forward – Core Focus Areas and ER Closing Comments</p>
<p>Core Focus Areas</p> <ul style="list-style-type: none"> Denison St/Miller St stormwater work (Standard Construction Hours) 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. <p>ER Closing Comments:</p> <ul style="list-style-type: none"> Complaints received during the reporting period are as summarised above. No OOH noise complaints. 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			
<p>Bligh Street:</p> <ul style="list-style-type: none"> Concrete deliveries and pumping. Various other deliveries. Commencement of the demobilisation of the site in preparation for handover to Metro West Project in March. This involved moving of concrete pumping activities to MPN foyer areas off Elizabeth Street. 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 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 <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 operating adjacent Elizabeth Street Facade 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 Works to access the Martin Place station on the ESR. 			
Key Construction/Activities Look Ahead			
<ul style="list-style-type: none"> Activities as described above ongoing Utilities works OOHWs in Elizabeth and Castlereagh Streets 			
ER Inspections			
<p>There was one ER inspection during the reporting period conducted on 3 February 2023. This was reported on in the January ER Report. An ER Inspection was held early in the March reporting period on 2 March 2023. No issues were raised during this inspection. Site activities continue to be repetitive in nature and are building related works rather than civil works.</p> <p>The Bligh Street site will be handed over to ETP contractors in March. In anticipation of this, Lendlease have provided some updated management plans to reflect these changes.</p>			

Photos (taken 2-3-23)



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



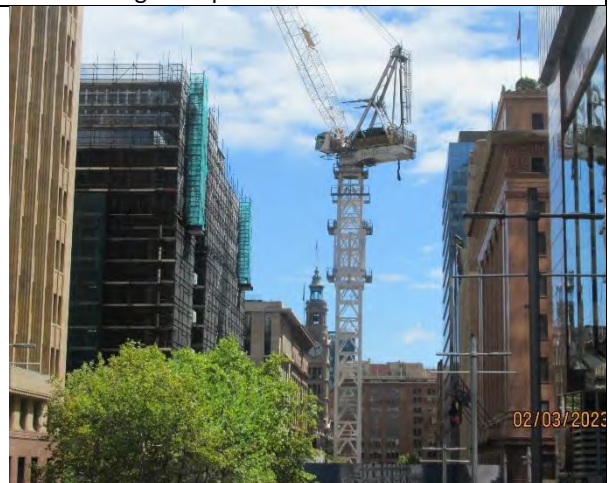
Bligh Street: To be handed over to Metro West in March 2023



Martin Place: Ongoing works in the location of the former bridge footpath



Stations: Link to Martin Place Station on the ESR



Martin Place South (Left of the tower crane): Scaffolding up

Endorsed Document/s
▪ Nil documents approved during the reporting period
Complaints / Incidents / Non-compliance
No complaints were reported to have been received during the reporting period. 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.
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			
Civil: <ul style="list-style-type: none"> Zone 1 (Main Site): <ul style="list-style-type: none"> Excavation and sheet piling for remaining H01-02 stormwater line complete; Preparation for backfill and sheet pile removal Zone 1: Stockpiling of spoil (for H01-02 backfill/reuse) and WTP filter cake Zone 1: Water Treatment Plant (WTP) operation Zone 1: Preparation for future condensed water scope to the north of the WTP, and WTP relocation Zone 1: Stockpiling of imported tunnel spoil from Rozelle Interchange and VENM from Balgowlah and other sources. Zone 2 (Shark's Fin): <ul style="list-style-type: none"> Ongoing backfill of the shark's fin; Preparation for construction of Street D; Excavation of HV pit ongoing. Zone 4 (Hickson Road wall): <ul style="list-style-type: none"> Backfill and compaction around ventilation pods, Hickson Road. Vibration monitoring ongoing for Hickson Road wall. Zone 5 (The Cutaway): <ul style="list-style-type: none"> First section of condensed water pipes pressure tested and backfilled; Scaffold bridge complete and in use, with pedestrian diversion in place. Zone 6 (Hickson Road, under bridge): <ul style="list-style-type: none"> HV installation under approved OOHWA-012 (night works) ongoing; Application for extension in time due to encountering of rock. Station Box: <ul style="list-style-type: none"> Installation of sandstone cladding on platform level B6 / architectural finishes Commissioning of PSDs Lift and escalator installation ongoing Services installation (electrical, fire, hydraulics) Installation of ductwork and containment Tracks, sleepers and platform screen doors complete on Level B5/B6. 			
Key Construction Activities Look Ahead			
<ul style="list-style-type: none"> Stormwater diversion from Hickson Road Landscaping and sandstone reinstatement in Zone 5 Ongoing HV works, Zone 6 Hickson Road under OOHWA-012 Backfill and sheet pile removal for remaining H01-02 stormwater line Clean-out of the H01-02 stormwater connection pipes to Sydney Harbour; subject to confirmation of methodology, risk assessment and CEMP update Preparation for WTP relocation and completion of condensed water main installation and connection Planning for backfill of the northern shaft (proposed 24/7 under CoA E48(e) haulage and delivery of spoil and materials) - future OOHWA-014. 			
ER Inspections			
<p>There were two inspections conducted by the ER in February 2023 (9/02/23 & 23/02/23). Issues raised and discussed were as follows:</p> <ul style="list-style-type: none"> Wayfinding signage for pedestrian diversions and alignment with comms notifications. Review of the method of attachment of the vibration monitor to the Hickson Road wall and compliance with the CNVMP. The proper installation of noise mats around the WTP condenser. The maintenance of Sydney Metro branded shade cloth around the worksite in Zone 5. The compliant storage of small containers of hazardous chemicals in Zone 2 and Zone 4. 			

Photos



Vibration monitor attachment to Hickson Road wall to be reviewed



Shadecloth to be reinstated in Zone 5 (Nawi Cove)



Noise blanket installation required review




Stockpiling of imported VENM and ENM



Sweeper in use across the site



Ongoing installation of the ventilation pods in Zone 4

	
New pedestrian diversion open across Nawi Cove steps	Foundations for the New water Treatment Plant (WTP) location complete
	
Temporary WTP was being established	Preparation for condensed water installation Stage 2 and connection to the station box via the Shark's Fin
Endorsed Document/s	
<ul style="list-style-type: none"> OOHWA-012 - Hickson Road Night Works for HV Installation Rev02, 3/2/2023 OOHWA-015 - Pedestrian Ramps Nawi Cove_Feb 2022 Rev02, 14/2/2023 OOHWA-013 - Fan Delivery Pod 8 Rev01, 15/2/2023 OOHWA-012 - Hickson Road Night Works for HV Installation Rev03, 28/2/2023 	
Non-compliance/ Incidents or Repeat Complaints	
<p>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:</p> <ul style="list-style-type: none"> 26/2/23: A scheduled power outage occurred on Site between approximately 1:30pm and 3:00pm on Saturday 25th February 2023. As a result of this outage the compressor within the WTP was shut down and the backup compressor that is the failsafe for the main compressor had been unplugged. Following a shut down the WTP required a manual restart and therefore the WTP was not functioning from the time of the power outage (Saturday 25th February 1:30pm) until approximately 12:00pm Sunday when it was re-engaged by the WTP operators. Whilst the compressor was inactive, water within the WTP is unable to discharge and eventually overflowed from the bunded area through a carved notch in the SE wall of the bund – the bund water did not escape the site. A coupling in the pipework at the rear of the WTP (on the Western Side) had a minor leak which entered a secondary concrete containment at the rear of the WTP with some of the water splashing and escaping out of the rear of the WTP where it slowly escaped underneath the adjacent site hoarding and onto the Nawi Cove walkway. The ER is currently requesting more information to determine whether a non-compliance with emergency response procedures is associated with this incident. 	

There were no non-compliances (NC) reported to the ER for Barangaroo Station for the period.

The ER is aware of two complaints reported during February 2023 related to BESIX Watpac works:

- **Complaint ID 4396 (Received 3/2/2023, Reported 7/2/2023):** In response to reading OOHWO12 notification (approved installation of high voltage services on Hickson Road), resident complained in advance of the work, saying he will not be able to sleep due to noise and lights coming through his windows. BW has since confirmed the exact location of the work is 130 metres from his balcony, on the other side of the bridges. His property is not identified as a near receiver. There were no complaints or further correspondence received from the resident during the OOHW.
- **Complaint ID 4478 (Received 27/2/2023, Reported 3/3/2023):** A resident on Kent Street (repeat complainant) emailed about noise during approved OOHWO12 to install high voltage services on Hickson Road. The complainant also mentioned dust (contractor is not watering down the site). The night works were not within the near vicinity of the complainant's residence and were compliant with the requirements of the OOH approval. The contractor also confirmed the site had been watered down three times the day of the complaint.

Audits

No ER involvement in audit activity including Independent Environmental Audits.

Summary of Environmental Performance

The following key points were discussed during the period:

- Removal of dried concrete washout deposits associated with pod construction in Zone 4.
- Proposed relocation of the WTP, internal contractor meeting re methodology and high-risk workshop; Archaeological monitoring.
- Proposed clean-out of the H01-02 stormwater connection pipes to Sydney Harbour, associated methodology and risks.
- Updates to WDIA Memo after 24/12/22 environmental incident; and confirmation that errors in plume dispersion modelling would not have underestimated the dilution of contaminants from the WTP discharge.
- The ongoing management of B3 groundwater and contingency measures for high rainfall events; associated risks including plant and asset damage.
- Proposed methodology for backfill of the northern shaft (24/7 under CoA E48(e)), deliveries and noise impacts.
- Attachment of vibration monitor to Hickson Road wall and compliance with the CNVMP.
- Correct installation of noise blankets around the WTP compressor.
- Compliant storage of fuel jerry cans and other hazardous chemicals (Zone 2 & Zone 4)
- 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 updated to confirm compliance with NEPM. Further confirmation of compliance pending.
- Confirmation of the remediation approach for the site remains outstanding; advice from contamination consultant pending; Meeting with Douglas Partners.

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			
Southwest Metro Corridor (SMC): <ul style="list-style-type: none"> GST snag list complete; All culvert and relining works complete Track survey works ongoing Stage 2 & 3 design review for security fencing Weekend 32 Possession (WE32) 3-5th February 2023 complete. Included installation of segregation fencing between Sydney Metro and ARTC lines in various locations. Bankstown Early Works (BEW): <ul style="list-style-type: none"> Nil. Bankstown Station & Additional Corridor (BAC): <ul style="list-style-type: none"> Nil. 			
Key Construction Activities Look Ahead			
Out of Hours Work: <ul style="list-style-type: none"> 6th and 8th March – Punchbowl Hi-rail access. Night shift for mill edges and spray seal asphalt. WE42 Possession (15-16th April 2023) - Bolting in piles for segregation fence, ULX install, survey work, signal and comms work, commissioning of crossovers at Campsie. Punchbowl - screen install at Stacey Street. WE43 Possession (20-23rd April 2023) WE45 Possession (6-7th May 2023) WE47 Possession (20-21st May 2023). 			
ER Inspections			
<p>There was one ER inspection conducted in February 2023 (28/2/23) due to minimal activity and low environmental risk. There were no actions raised and the inspection was mainly focussed on SSJ, which will be reported separately. 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			
Nil			
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 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 three Class 3 environmental incidents reported to the ER during the period:</p> <ul style="list-style-type: none"> SMC-INC-031 (5/2/2023): Between Melford and Church St bridges, Hursltone Park. An auger attachment being transported between work locations leaked ~3L hydraulic oil from a loose hose connection. The oil was limited to a surface streak on sleepers and ballast over a length of 240m. 5L of OilGone200 was applied to the leak. SMC-INC-032 (5/2/2023): Wairoa St Bridge, Campsie area on track in CESSS. Hydraulic hose squirted oil onto ballast during drilling operations. Penetration into ballast limited to surface. Ballast removed to small, localised spot in corridor and treated with +-4L of OilGone200. SMC-INC-033 (6/2/2023): Ewart St Dulwich Hill on track. Hydraulic oil from burst hose splashed onto ballast during lifting operations. Penetration into ballast limited to surface. Treated with +-4L of OilGone200. <p>The ER is not aware of any complaints received during February 2023 related to the SMC works:</p>			

<ul style="list-style-type: none"> ▪ Complaint ID #4411 (Received 5/2/23; reported 8/2/23): Resident complained about dust/silica landing on cars and homes during use of a hydraulic hammer. Upon investigation the hammer was in use for less than 30 minutes and controls were being applied (water cart and sweeper for roads and access gates and IBCs with hoses for inside the rail corridor). ▪ Complaint ID #4403 (Received 5/2/23; reported 7/2/23): Resident complained about noise during the WE32 possession. The out of hours work was approved and the complainant was offered respite vouchers prior to works starting. The Environmental team attended the location however no noise monitoring was conducted as zero construction activities in proximity to property. ▪ Complaint ID #4420 (Received 7/2/23; reported 14/2/23): Dulwich Hill resident complained about not being offered alternative accommodation (AA). The resident was offered respite vouchers and requested a review of noise impacts. Noise data (real time continuous monitoring) for WE32 works was reviewed to validate the predictions for the SSJ works. The noise levels were within the predictions. Appropriate additional mitigation measures including RO was undertaken/offered. Note: the complainant has been eligible and offered AA previously but did not meet the criteria on this occasion.
Audits
No ER involvement in audit activity including Independent Environmental Audits.
Summary of Environmental Performance
Environmental risks on site are generally low. The commencement of the next major scope of work is pending. 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.
Looking Forward – Core Focus Areas
<ul style="list-style-type: none"> ▪ Management of ERSED controls generally ▪ Management of noise during OOH Work e.g. WE42 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 (S2B)	Marrickville, Canterbury & Lakemba Station Upgrades (MCL) (HSEJV)	Brett McLennan
Key Construction Activities During the Period		
<p>Possessions WK31 (30/01-2/02/2023), WE32 (4-6/02/2023), WK32 (6-09/02/2023)</p> <p>Marrickville:</p> <ul style="list-style-type: none"> ▪ Anti-throw screens station side completed ▪ MSB external works, boundary fencing, irrigation works, soft landscaping, FRP carpark ongoing ▪ Construction of the shared user path ongoing ▪ Station Street re-grading works ▪ Station secondary containment installation ongoing ▪ GST rectification works completed ▪ Hearing loops installed ▪ Radio mast earthing, LCR and pits completed ▪ Platform 2 landscaping works completed <p>Canterbury:</p> <ul style="list-style-type: none"> ▪ MSB - continuation of service installation and utility connections, blockwork completed, roof installed ▪ Platform 0 and 2 fences completed ▪ Platform 2 CSR and stormwater completed ▪ GST brackets and containment city and country end ongoing ▪ Installation of Lift 1 and 2 equipment ongoing ▪ HV pit installation ongoing ▪ Lift landing awning installation completed ▪ Lift 1 and 2 asphaltting works completed ▪ Stair steel and glazing works completed ▪ Installation of louvres, downpipes, guttering and flashing ▪ Canopy cutback works ongoing ▪ Radio mast cable installation ▪ Station Masters Room MEP works ongoing ▪ ARTC CTR works completed <p>Lakemba:</p> <ul style="list-style-type: none"> ▪ MSB internal fit-out and utility installation continued ▪ GST Installation continued ▪ Platform high-level containment works ongoing ▪ MSB stormwater connection and backfilling ongoing ▪ Hearing loops installation commenced ▪ Negative bus bar installation ongoing ▪ Security fencing installation commenced ▪ GST installation ongoing ▪ Platform condenser works commenced ▪ Anti-throw glazing works completed ▪ Platform stairs installation works completed 		
Key Construction Activities Look Ahead		
<p><u>All sites</u></p> <ul style="list-style-type: none"> ▪ Planning, coordination and monitoring of approved minor impact OOHW ▪ 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 ▪ MSB external works. Boundary fencing, irrigation works, soft landscaping, FRP carpark ▪ Station Street re-grading – asphalt stencil pending. 		

Canterbury

- Station precinct works
- MSB cladding
- Lift commissioning works
- Complete fencing works
- Installation of hearing loops
- Concourse cable containment
- Landscaping
- Fencing works

Lakemba

- MSB fit-out and cable pulling
- Landscaping works
- Stormwater backfilling
- Installation of hearing loops
- GST installation
- Fencing works

ER Inspections

Two ER inspections were conducted for MCL on 4 and 15 February 2023. It was noted that the sites erosion and sediment controls had been generally maintained after significant rain events during the month. Issues raised during the inspections included:

Marrickville:






- Traffic control detour signage was not installed for the Station Street Road closure as per the approved consistency assessment. This was immediately rectified by site staff.
- Fuel containers required bunding.
- High noise works (standard hours) required noise mitigation installed as required under the NVMP.
- Minor maintenance of erosions and sediment controls (ESC).

Canterbury:

- Plant was observed using a tonal alarm during mobilisation for possession works.
- Cutting works adjacent to sensitive receptors required works to be relocated or noise mitigation installed.
- Illegal parking was discussed with HSEJV during possession. It was noted that this was raised as an issue by HSEJV during the pre-start to their contractors.
- Minor maintenance of ESC and minor tracking onto Charles Street.
- Housekeeping to remove items stored in the compound garden bed.

Lakemba

- Minor maintenance of ESC.
- Materials stored in the corridor and to the east of the MSB was required to remove unneeded work materials and general housekeeping.
- EWP's were operating on the platforms and concourse were using standard movement alarms. HSEJV were reminded that non-tonal alarms were required during Construction works.

Photos	
	
Marrickville Platform 2 landscaping and fencing works	Marrickville Station Street re-grading works.
	
Canterbury Platform 1 saw cutting with noise blankets	Canterbury compound minor tracking and MSB
	
Lakemba lower compound (post rain event)	Lakemba Haldon Street Bridge anti throw glass

Endorsed Document/s
<ul style="list-style-type: none"> OOHWA-044 WE32 OOHWA-045 Lakemba low-impact works 6-10/2/2023
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 MCL.</p> <p>The ER is aware of no new NCRs for the month and seven complaints relating to MCL works. There were no incidents for MCL 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"> Two noise complaints were received at Marrickville that were not related to Sydney Metro activities. One complaint was received at Canterbury for illegally parked vehicles. Three noise complaints were received at Canterbury for OOH works. Two were general noise with no further information provided, one was for grinding works that were not related to HSEJV's activities. One complaint was received at Canterbury for a leaking Sydney Water pipe that was not related to Sydney Metro activities.
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 OOH compliance was the focus throughout the month. Ongoing discussions with Sydney Metro are ongoing regarding the remaining contractor scope and identifying potential low-risk OOHW, 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 endorsement Stabilisation of landscaped areas 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		

Possessions WK31 (30/01-2/02/2023), WE32 (4-6/02/2023), WK32 (6-9/02/2023)

Hurlstone Park

- 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)

Belmore

- MSB landscaping 90% completed
- Fencing behind MSB conducted during evening and night periods completed
- Rectification work to RMS fence 50% completed.

Wiley Park

- Security fence and segregation fence installation ongoing
- Platform and concourse building refurbishment works continued; high-level containment works continued
- Paving complete to the main concourse completed
- Platform Balustrade works completed
- Concourse works ongoing – roofing installation 80% completed, acoustic sheet installation 20% completed.
- Plaza and King Georges Rd paver installation completed
- Public artworks installed

Dulwich Hill:

- Precinct FRP for walkway ongoing
- Footbridge fit out continued, roof insulation installed and glazing commenced.
- Public art works installed
- MSB fit out Works commenced
- GST rectification works

Campsie:

- Concourse MEP, Rough-In Works - 90% completed
- GST at MSB - Ongoing ~40% completed
- Hydraulic Connections and works at platforms and in the rail corridor ~30% - complete
- Concourse Structural Steel New Canopy Works recommenced
- Station room aircon, bike room and shop 3 ~35% completed
- Canopy containment works ~95% completed – Pending HV Concession
- Lillian Lane footpath ~75% completed
- Security fencing works ongoing
- Platform 2 PID and DEC footing ~90% completed
- Platform 1 footings completed
- Installation of the station building and concourse distribution boards ongoing
- GST Dropper at MSB ~30% completed.

Punchbowl:

- MSB fit out continued
- MSB landscaping works re-shaping of MSB embankment
- MSB security fencing installation commenced
- Concourse roof electrical works completed
- Platform fit-out ongoing
- Southern plaza landscaping works continued
- Lift commissioning continued – Platform furniture ~80%, Lighting 100%, Aco drain lift 2 ~30%, platform station buildings ~50%
- 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

Hurlstone Park

- Chiller installation
- Lift installation for platforms one and two
- Ramp paving works
- Landscape to batter adjacent to MSB
- PID footing works

Belmore

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

Wiley Park

- Landscaping platforms
- Concourse works ongoing including fit out and services
- Remaining balance of fencing. To be completed during standard hours ~70% complete

Dulwich Hill

- Glazing of Footbridge
- Under stair steel
- Platform Brickwork
- Lift commissioning

Campsie

- Builder works – Station room aircon, bike room and shop 3
- Concourse installation, installation of structural steel
- MSB fit-out
- GST works

Punchbowl

- Landscaping to MSB batter, south landscaping and surrounds
- Plaza landscaping
- GST works

ER Inspections

Two ER inspections were conducted for HBW and DCP on 4 and 15 February 2023. . It was noted that the sites ESC was generally maintained after significant rain events during the month. Issues raised during the inspections included:

Punchbowl

- Arborist report indicated that tree dieback was not likely a result of Construction activities.
- Minor concrete spillage from fencing works
- Minor Erosion and Sediment Control (ESC) maintenance

Wiley Park

- Minor maintenance of ESC
- Minor concrete washout outside of designated area/bund
- Contractor parking
- Installation of noise mitigation for high noise works during standard hours.

Dulwich Hill

- Graffiti management
- Minor maintenance of ESC

Hurlstone Park

- Minor maintenance of ESC

Campsie

- Signage for directions to relocated bike facility location

Photos



Dulwich Hill: Footbridge stairs and roof installation



Campsie: Concourse structural steel installation



Punchbowl: glazing works at concourse.



Hurlstone Park: MSB transformers and fit out works



Belmore: MSB landscaping works



Wiley Park: fencing and landscape works adjacent to Platform 1

Endorsed Document/s
<ul style="list-style-type: none"> OOHWA#29 - WK32 OOHWA#30 - Campsie Concourse structural steel install OOHWA#31 - Belmore GST works
Non-compliance/ Incidents or Repeat Complaints
<p>Sydney Metro has been providing daily summaries of complaints to the Department of Planning and Environment (DPE) 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 11 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"> Three complaints regarding noise at Campsie, two were not attributed to Metro activities. One was related to the installation of structural steel and is to be raised as a non-compliance in the March reporting period One complaint at Campsie regarding traffic control on the pedestrian footpath One complaint at Dulwich Hill regarding the standard of alternate accommodation One complaint at Dulwich hill regarding noise that was not attributed to Sydney Metro activities Two complaints at Hurlstone Park regarding contractor parking One complaint at Hurlstone Park of grass damage of the nature strip from an excavator not related to Sydney Metro activities <p>Two complaints at Hurlstone Park regarding noisy work during standard hours and consultation timeframes for noisy work.</p>
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 discussed potential environmental issues with Downer throughout the month, in particular maintenance of ESC after storm events, and noise mitigation. Community and contractor construction fatigue remains an ongoing issue for the project. Discussions continue for appropriate notifications to the community throughout the month, in particular, the scheduling of high-noise works.</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 endorsement, commence Q4 2022 review. Coordination meetings with Sydney Metro and contractors for OOHWA. <p>Package 5 and 6 conditions of approval closeout procedures.</p>

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	▪ Nil	
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 remains 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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