



EPL 21807 Monitoring Report February 2024

SMWSASSM-PLD-1NL-NL000-EV-RPT-000009

Parklife Metro D&C



Document Approval

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1 Introduction

1.1 Background

Sydney Metro is Australia's biggest public transport program comprising four main packages of work including Metro North-West Line, Sydney Metro City and Southwest, Sydney Metro West, and Sydney Metro Western Sydney Airport (SMWSA, the Project). The SMWSA will become the transport spine for Greater Western Sydney, connecting communities and travellers with the new Western Sydney International (Nancy-Bird Walton) Airport (referred to as Western Sydney International) and the growing region.

The Project involves the construction and operation of a new metro railway line around 23km in length that extends from the existing Sydney Trains suburban T1 Western Line at St Marys in the north to the new Aerotropolis Station in the south at Bringelly. The alignment includes a combination of tunnel, surface, bridges and viaduct sections, and comprises of six new metro stations between St Marys and the Aerotropolis Core precinct, as well as a stabling and maintenance facility and operational control centre to support the operation of the new metro railway line (see Figure 1).

1.1.1 Stations, Systems, Trains, Operations and Maintenance works

Parklife Metro D&C has been engaged to deliver the Stations, Systems, Trains, Operations and Maintenance (SSTOM) works. The scope of the Stations, Systems, Trains, Operations and Maintenance (SSTOM) package comprises:

- construction of the six new stations
- installation of tracks, signalling, mechanical and electrical systems
- supplying new driverless trains
- construction of stabling and maintenance facility at Orchard Hills
- · operation and maintenance of the line and its assets, and
- handback of operations and maintenance at the end of term.



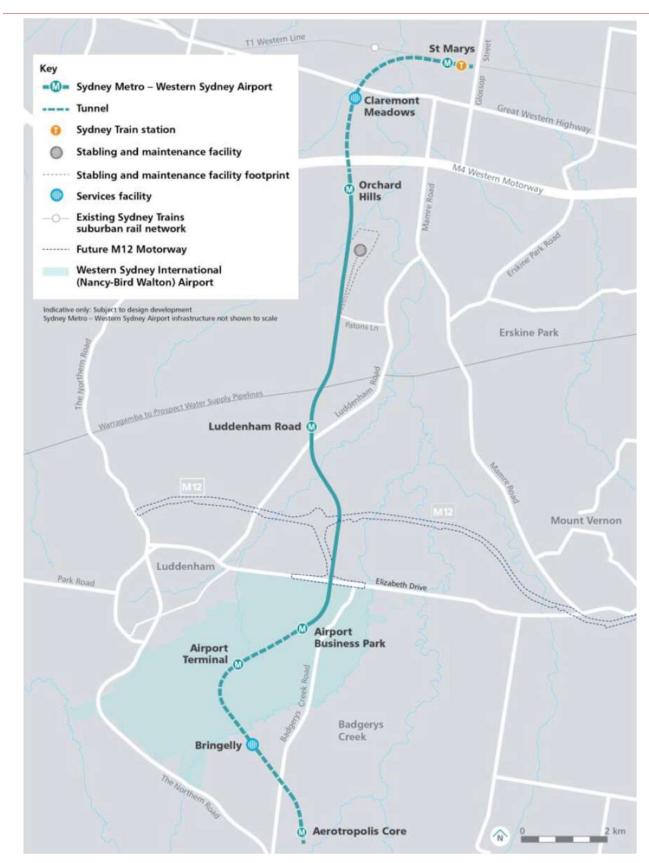


FIGURE 1 OVERVIEW OF SMWSA PROJECT



1.2 Scope of this report

Parklife Metro D&C have been issued an Environment Protection Licence (EPL No. 21807) from the NSW Environment Protection Authority (EPA) for the SMWSA SSTOM Works. The EPL applies to the works approved under the Infrastructure Approval SSI-10051 associated with the delivery of the off-airport portion of the SMWSA SSTOM Works, as detailed in Table 1. This EPL Monitoring Report provides the results of all pollution monitoring required to be measured or monitored by the licensee of EPL 21807 within the reporting period as required by Section 66 of the *Protection of the Environment Operations Act 1997* (POEO Act) and with reference to EPA Publication *Requirements for publishing pollution monitoring data* (Environment Protection Authority, 2013).

TABLE 1 LICENCE DETAILS

Licence Details	
Number	21807
Copy of Licence	Environment & Heritage POEO Licences, Application and Notice Detail (nsw.gov.au)
Anniversary Date	20-July
Licensee	WEBUILD S.P.A
Premises	SYDNEY METRO WESTERN SYDNEY AIRPORT SSTOM PACKAGE FOOTPRINT
	SYDNEY METRO WESTERN SYDNEY AIRPORT-STATIONS, SYSTEMS, TRAINS, OPERATION $\&$ MAINTENANCE PACKAGE
Scheduled Activity	Railway activities – railway infrastructure construction



2 Reporting requirements

Under the POEO Act, holders of environment protection licences (licensees) must publish or make pollution monitoring data available to members of the public.

The POEO Act Section 66 requires:

"Conditions requiring monitoring, certification or provision of information, and related offences

- (1) Monitoring The conditions of a licence may require—
 - (a) monitoring by the holder of the licence of the activity or work authorised, required or controlled by the licence, including with respect to—
 - (i) the operation or maintenance of premises or plant, and
 - (ii) discharges from premises, and
 - (iii) relevant ambient conditions prevailing on or outside premises, and
 - (iv) anything required by the conditions of the licence, and
 - (b) the provision and maintenance of appropriate measuring and recording devices for the purposes of that monitoring, and
 - (c) the analysis, reporting and retention of monitoring data.
- (2) False or misleading information A holder of a licence who supplies information, or on whose behalf information is supplied, to the appropriate regulatory authority under the conditions of the licence is guilty of an offence if the information is false or misleading in a material respect."

The primary objective of the EPL Monitoring Report is that members of the public have access to the results of all pollution monitoring (which a licence specifies must be carried out) in a way that is meaningful to them.

The monitoring data that must be published and/or made available on request is any data that is obtained as a result of a monitoring condition on a licence that relates to air, water (surface or groundwater), noise and/or land pollution. The data to be published or provided is limited to data that relates to pollutants generated, discharged or emitted from the licensed premises.

The data is provided in tabular format that is easy for the general public to understand. Tables definitively display raw data values, while graphs and charts are useful for overviews and visualisation of long-term trends. Raw data will be provided upon request.

This EPL Monitoring Report will provide explanations as to why data may appear to be missing, which may be due to there being no discharge or the level of pollutant being below the detection level of the measurement instrument.

It's possible from time to time that incorrect data may get published in good faith. As soon as practicable after the licensee becomes aware that the published pollution monitoring data is incorrect or misleading, licensees must then publish a correction log to correct this data that is incorrect or misleading.

Table 2 provides a summary of the monitoring requirements of EPL 21807.



TABLE 2 EPL 21807 MONITORING REQUIREMENTS

EPL Condition	Requirement	Report Reference				
Weather		•				
M5.1	The licensee must monitor and record temperature, wind direction, wind velocity and rainfall at either the project weather station, or through analysis of equivalent weather information obtained from the Australian Bureau of Meteorology. Monitoring must:					
	a) be representative of the premises;					
	b) commence prior to any works that may cause sediment to leave the premises; and					
	c) continue to be operated until soil disturbance activities cease at the premises and the site has been stabilised.					
Noise						
L5.9	Works outside of standard construction hours – Regulatory Requirements	Section 3.2				
	In undertaking any works and activities outside of standard construction hours under condition L5.8, the licensee must comply with the following:	Appendix B				
	a) Prepare a construction noise and vibration impact assessment in accordance with the Interim Construction Noise Guideline (DEC, 2009) that is to include:					
	i. a description of the proposed works and activities outside of standard construction hours;					
	ii. predictions of LAeq (15 minute) dB noise levels at noise sensitive receivers from these works and activities, where noise levels are predicted to be greater than those permitted under condition L5.3; and					
	iii. a monitoring plan to validate the noise predictions, based on monitoring at the boundary of representative sensitive receivers during noise generating activities that are representative of the works and activities, including during the period/s predicted to have the highest noise level impacts.					
	b) Undertake noise monitoring in accordance with the monitoring plan required by condition L5.9(a)(iii).					
L5.10	St Marys Station - Out of Hours Concrete Works Concrete works associated with station box construction at St Marys station, including concrete pouring, finishing and cleaning, are permitted to be undertaken outside of standard construction hours specified in L5.1 provided that:	Section 3.2 Appendix B				
	a) Works are required to achieve compliance with overarching project technical requirements,					
	b) Works had already begun within a reasonable time prior to end of standard construction hours,					
	c) Out of Hours (OOH) works are undertaken from 6pm to 10pm, Monday to Friday and 1pm to 4pm on Saturday,					
	d) Station box base slab and wall concreting activities (e.g. using concrete pump, vibrators, concrete trucks, etc) must be completed before 9pm on Monday to Friday,					
	e) Station box base slab and wall concreting activities are permitted to occur up to 9pm Monday to Friday a total of 12 times,					
	f) All other concreting activities (e.g. using concrete pump, vibrators, concrete trucks, etc) must be completed before 8pm on Monday to Friday,					
	g) Concrete finishing works (e.g. power floats, hand tools) must be completed before 10pm on Monday to Friday,					
	h) The licensee is required to undertake noise monitoring in accordance with condition L5.9(b),					
	i) The licensee is required to provide the EPA with a Noise Monitoring Report within 30 days of the end of each month in which OOH concrete works occurred,					
	j) Works are permitted to occur until 8 May 2024.					



M4.4	The licensee must undertake noise and vibration monitoring as directed by an authorised officer of the EPA. Where the monitoring is requested to take place on private land (for example a residential property) the licensee must request permission to access the premises in advance and keep a record of permission requests and responses. If a licensee is unable to obtain permission, the licensee must undertake the monitoring at an indicative location where possible and they must provide the response (including any nil response) to the EPA.								
The license				.1) in circumstances other than thos ne condition outlined Section E1.	se permitted				
E1.4		monitoring plan must b nent documentation pri		PA for approval as part of the urring.	Not triggered				
E1.5	Validation monitori E1.1 and must:	ng must be undertaker	for any OOHW that	are the approved under condition	Not triggered				
	a) be undertaken ir	n accordance with the r	monitoring plan prepa	red under condition E1.4;					
	b) be performed by	a Competent Person;							
		n at least the first 2 occ e likely to impact Noise		nights) where OOHW will be					
	d) be performed on any other occasion (day, evening, night) where the nature of the works is likely to cause greater noise impacts than the first 2 occasions;								
	e) be representative of the impacts in terms of monitoring locations, time and duration of measurements; and								
	f) be recorded and provided to an EPA officer upon request.								
Water	_								
P1.1				s licence for the purposes of the tts to water from the point.	Section 3.3.2				
	EPA Identification no	Type of Monitoring Point	Type of Discharge Point	Location Description	Appendix C				
	1	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin on the Aerotropolis site discharging to Thompson Creek referred to in Condition P1.2					
	2	Discharge and Monitoring	Discharge and Monitoring	The outlet of the water treatment plant on the St Marys site discharging to South Creek					
	3	Discharge and Monitoring	Discharge and Monitoring	The outlet of the sediment basin on the Orchard Hills site discharging to an Unnamed Creek (tributary of South Creek) referred to in Condition P1.2					



M2.2	Water and/or Land Monitoring Requirements POINT 1 and 3								
	Pollutant	Unit of measure	Frequency	Sampling Method	Appendix C				
	Oil and Grease	Visible	Special Frequency 1	Visual inspection					
	pH	pH	Special Frequency 1	Probe					
	Turbidity	nephelometric turbidity units	Special Frequency 1	Probe					
	POINT 2								
	Pollutant	Units of measure	Frequency	Sampling Method					
	Aluminium	micrograms per litre	Daily during any Grab sample discharge	Grab sample					
	Ammonia	micrograms per litre	Daily during any Grab sample discharge	Grab sample					
	Chromium (VI) Compounds	micrograms per litre	Daily during any discharge	Grab sample					
	Copper	micrograms per litre	Daily during any discharge	Grab sample					
	Electrical conductivity	microsiemens per centimetre	Daily during any discharge	Grab sample					
	Nitrogen (total)	micrograms per litre	Daily during any discharge	Grab sample discharge					
	Oil and Grease	Visible	Daily during any discharge	Visual Inspection					
	рН	pH	Daily during any discharge	Probe					
	Phosphorus (total)	micrograms per litre	Daily during any discharge	Grab sample					
	TSS	milligrams per litre	Daily during any discharge	Grab sample					
	Zinc	micrograms per litre	Daily during any discharge	Grab sample					
M2.3	a) less than 24 hours discharge, when it is s b) when rainfall cause	s a discharge from a sec	harge and daily for any	continued controlled not been emptied within the	Section 3.3.2 Appendix C				
	design management p	eriod following cessatio	n of a rainfall event, wh	en it is safe to do so.					
E2.1	upstream, downstream intervals and at least of		irge point 2 identified in rge event. This monitor	Condition P1.1 at fortnightly ing must be undertaken for a	Section 3.3.1 Appendix D				
		ing results must include							
	a) quality and quantity and	oा all parameters that a	re identified in the table	e in M2.2 for discharge point 2;					
	b) results must be submitted to the EPA no more than 2 weeks after each monitoring event has occurred for a minimum of 3 months from the date that point 2 was added to the licence								
E3.1	A) The licensee must identified as Point 2 ur	Water Treatment Plant (WTP) Performance Reporting A) The licensee must undertake water quality sampling of all discharges from the WTP (as identified as Point 2 under condition P1.1) and submit to the EPA a WTP Performance Report within 10 business days of each sample result being taken. Sampling must be undertaken:							
	i) daily during discharg								



Additional Monitoring Conditions						
M4.5	The licensee must undertake monitoring, sampling, video recording and/or take photographs: a) if the EPA or licensee reasonably suspects that an event has occurred at the premises or in connection with the carrying out of the activities that has caused, is causing, is likely to cause or has the potential to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies); b) as soon as practicable; and c) as directed by an authorised officer.	Not triggered				



3 Monitoring

This section presents summaries of the monitoring completed in the reporting period from 1 February 2024 to 29 February 2024.

Detailed monitoring results for each program are presented in the Appendices.

3.1 Weather Monitoring

Meteorological observations were captured using the Bureau of Meteorology Weather Stations - Badgerys Creek (Station 067108). Meteorological data for the month of February can be found within Appendix A.

The total rainfall for this reporting period was 104.6 mm with 7 days exceeding 1mm of rain, 3 days exceeding 10mm of rain and 3 days exceeding 20mm of rain.

During the reporting period, 22 days recorded wind gusts of greater than 25km/hr, 1 day where the maximum wind gust recorded was greater than 50 km/h and 1 day where the maximum wind gust was greater than 60 km/hr. Detailed weather observation records for the reporting period are presented in Appendix A.

This information is used daily on site to assess daily activities and consider mitigation measures as required.

TABLE 3 WEATHER SUMMARY AND TRIGGER WEATHER EVENTS FOR REPORTING PERIOD

Weather Event	Observation
Minimum temperature	13.9°C
Maximum temperature	38.7°C
Total rainfall	104.6mm
Number of days with rain (>1mm)	7
Number of days with rain (>10mm)	3
Number of days with rain (>20mm)	3
Number of days with >25km/h wind gust	22
Number of days with >50km/h wind gust	1
Number of days with >60km/h wind gust	1

3.2 Noise and Vibration Monitoring

Noise monitoring is required under Conditions L5.9 and L5.10 to validate noise predications for work undertaken outside of standard construction hours in accordance with the construction noise and vibration assessment and monitoring plan. Table 4 provides a summary of noise monitoring events during the reporting period. Detailed results and comments are presented in Appendix B.



TABLE 4 SUMMARY OF NOISE MONITORING FOR REPORTING PERIOD

Date	Monitoring Location	Attended / Continuous	Description
01/02/2024	2A Chesham St, St Marys NSW 2760	Attended	Quiet street adjacent to PLM light vehicle route
01/02/2024	11 Phillip St, St Marys NSW 2760	Attended	Busy street opposite south-east of PLM site

3.3 Water Monitoring

3.3.1 Surface water monitoring

As per Condition E2.1 fortnightly sampling is required for at least 3 months from when point 2 is added to the licence and at least once during each discharge event. The samples are taken at the receiving waterway for locations upstream, downstream and adjacent to SSTOM-002 discharge point. The surface water quality results are included in Appendix D.

3.3.2 Discharge to water

The discharge of water from sediment basins occurred at the following discharging monitoring points/locations during this reporting period:

SSTOM-001.

The EPL discharge criteria apply to the sediment basins identified in condition L2.4 of the approved EPL 21807.

Basins and discharge points are summarised in Table 5. Discharge criteria and monitoring results included in Appendix C.



TABLE 5 MONITORING/DISCHARGE POINTS AND AREAS

ID	Construction Status	EPA ID	Easting	Northing	Description of location of discharge point	Catchment name	Name of nearest waters	Direct discharge to waters	Date added to EPL
SSTOM-001	Active	1	290807.84	6243844.20	The outlet of the sediment basin on the Aerotropolis site discharging to Thompson Creek	South Creek	Thompsons Creek	No	14/11/2023
SSTOM-002	Active	2	294041.62	6261905.98	The outlet of the water treatment plant on the St Marys site at former Plaza	South Creek	South Creek	No	15/12/2023
SSTOM-003	Active	3	291819.86	6258565.85	The outlet of the sediment basin on the Orchard Hills site discharging to an Unnamed Creek (tributary of South Creek)	South Creek	Blaxland Creek	No	14/2/2024



3.4 Correction Log

It is possible from time to time for incorrect data to get published in good faith.

As soon as practicable after the licensee becomes aware that the published pollution monitoring data is incorrect or misleading, licensees must then publish a correction log to correct this data that is incorrect or misleading.

There are no matters included in the correction log for this reporting period.



Δ	nna	end	96
			50



Appendix A Weather Observations

TABLE 6 MONTHLY WEATHER OBSERVATION TABLE

	Tempe	rature	Rainfall		Wind Observatio	ns	Mo	orning (9am)	Weather Ol	oservation		A	fternoon (3pr	m) Weather (Observation	
Date	Minimum (°C)	Maximum (°C)	In the 24 hours to 9am (mm)	Direction of maximum wind gust	Speed of maximum wind gust (km/h)	Time of maximum wind gust	Temperature (°C)	9am relative humidity (%)	Wind direction	Wind speed (km/h)	9am MSL pressure (hPa)	Temperature (°C)	9am relative humidity (%)	Wind direction	Wind speed (km/h)	3pm MSL pressure (hPa)
1/02/2024	19	31	0.6	NNE	28	15:10	21.7	78		4	1014.1	29.1		NNE	11	1008.7
2/02/2024	19.4	33.8	0	E	35	15:28	25.4		SSE	7	1007.6	32.2	41		15	1005.1
3/02/2024	20.4	30.4	0	N	26	13:54	23.1	66		13	1013.9	28.6		NNE	13	1010.7
4/02/2024	18.4	37.7	0	ESE	28	16:14	23	74		Calm	1010.7	36.5		NNE	9	1005.4
5/02/2024	23	34.9	0	ESE	30	14:50	29.4	55	ESE	4	1008.4	33.3	46	ESE	13	1007.1
6/02/2024	20.7	25.2	39.8	WNW	43	3:16	21.7	99	SSW	13	1010.2	22.9	80		11	1012
7/02/2024	15.4	25.5	1.6	S	31	17:11	19.6	61	SSW	19	1021.2	24.2	60	SE	19	1020.8
8/02/2024	16.7	24.2	0	SSW	30	11:49	20.6	66	SSW	13	1025.5	23.1	52	SE	9	1023.9
9/02/2024	15.3	27.8	0.2	S	31	21:43	20.7	61	SW	15	1022.7	26.3	57	SSW	9	1019.6
10/02/2024	19.3	26.8	0	SE	41	11:26	22.1	59	SSW	22	1024.7	24.6	46	SE	26	1024.5
11/02/2024	15.5	26.1	0	ENE	22	16:24	20.9	67	WSW	7	1024.5	25.2	54	NE	13	1021.4
12/02/2024	17.7	32.5	0	NNE	28	9:45	23.1	68	N	9	1021.4	30.8	48	NE	11	1016.8
13/02/2024	18.7	35.1	0	W	65	14:43	23.7	79	ENE	2	1016.8	32.9	38	NNE	9	1010.7
14/02/2024	18	31.7	22.6	SSE	35	15:02	22.3	87	NNE	11	1011	28	63	SSE	20	1012.4
15/02/2024	16.7	21.3	1.6	SW	20	0:23	17.9	97	WSW	7	1021.6	18.9	96	SSW	7	1021.8
16/02/2024	17.7	29.8	1	NNE	26	13:51	21.2	92	WSW	6	1022.2	28.5	59	NNE	13	1019.4
17/02/2024	21.1	33.6	0	SE	33	14:05	24.8	82	ENE	4	1021	33	49	ESE	13	1017.7
18/02/2024	18.6	31.4	0	SW	37	18:11	22.8	88	WSW	2	1020.2	27.8	61	N	15	1016.1
19/02/2024	19.9	28.5	0.8	NNE	48	12:53	22	84	SW	7	1018.9	19	100	NNE	7	1019.4
20/02/2024	18	25.5	27.4	NNE	31	11:48	20.6	90	SW	9	1019.1	20.6	97	S	11	1018.2
21/02/2024	18.2	28	5.6	ESE	20	17:50	20.6	99	SW	7	1017.6	24.9	72	SE	9	1015.2
22/02/2024	17.6	32.9	0.2	NE	19	18:02	22	89	SSW	2	1015.3	30.8	55	NNE	6	1010
23/02/2024	18.5	37.1	0	SSW	46	16:17	24.8	80	NNE	2	1008.2	36	38	NNW	19	1004.4
24/02/2024	18	20.6	2.2	S	26	23:31	18.5	100	WSW	6	1016.6	20.3	75	SE	9	1018.1
25/02/2024	13.9	29.1	0.4	NNW	19	11:59	19.4	79	SW	6	1019.4	27.6	51	E	6	1013.8
26/02/2024	16.4	30.8	0	SE	33	15:56	21.5	84	S	4	1014.1	27.4	56	SE	17	1014.4
27/02/2024	18.9	23	0.6	S	24	23:08	20.2	81	SW	9	1019.6	22.1	80	SE	6	1018.1
28/02/2024	19.3	30.7	0	NNE	24	11:17	21.5	100	NNE	2	1019.9	29	62	N	11	1015.9
29/02/2024	20.3	38.7	0	SW	37	14:34	24.5	90	WNW	4	1013.3	37.6	37	SW	11	1010.6



Appendix B Noise Monitoring

TABLE 7 ST MARYS NOISE MONITORING

Date		Time	Construction Activity	Activity Location	Monitoring Location	NML (dBA)	Predicted (dBA)	Recorded LA _{eq(15min)} (dBA)	LAmax	Exceedance of Predicted (dBA)	Exceedance of Predicted	Comments
01/02/	/2024	1:47 pm	Concrete pouring	SSTOM St Marys	2A Chesham St, St Marys NSW 2760	47	69	54.3	70.9	-14.7	No	Predicted noise is provided from the worst impacted receiver identified in the DNVIS, whereas this monitoring point was situated closer to the works, and inside the existing noise walls, providing a very conservative result.
01/02/	/2024	2:06 pm	Concrete pouring	SSTOM St Marys	11 Phillip St, St Marys NSW 2760	47	69	62.4	81.9	-6.6	No	Verification noise monitoring carried out during standard construction hours to support extension of EPL Cond L5.10. Construction activities were dominant noise source.



Appendix C Discharge to water

TABLE 8 WATER DISCHARGE TABLE

Discharge Monitoring Point ID	Type of Monitoring Point	Type of Discharge Point	Date	Discharge Permit No.	Oil and Grease (Visual inspection)	pH (6.5 - 8.5)	Turbidity (50 NTU)
SSTOM-001	Sediment Basin	Discharge into stabilised spillway	05/02/2024	PMJV-ENV- DWP-10	Not visible	7.81	44.3



Appendix D Surface Water Monitoring

TABLE 9 SURFACE WATER MONITORING TABLE 31 JANUARY 2024

		SSTOM-002 Surf	face Water South Creek							
Analyte	Post Rain Event	Yes								
	Date	31/01/2024								
	Unit	Upstream	Adjacent							
рН	рН	7.88	7.59	7.95						
Aluminium	mg/L	0.66	0.71	3.30						
Electrical Conductivity @ 25°C	μS/cm	896	893	747						
Total Suspended Solids	mg/L	25	20	139						
Copper	mg/L	0.004	0.004	0.016						
Ammonia	mg/L	0.07	0.06	0.04						
Nitrogen (total)	mg/L	1.0	9.3	1.3						
Oil and Grease	Visible/Not visible	Not visible	Not visible	Not visible						
Phosphorus (total)	mg/L	0.10	0.13	0.16						
Zinc	mg/L	0.012	0.011	0.058						
Chromium (VI) Compounds	mg/L	<0.01	<0.01	<0.01						



TABLE 10 SURFACE WATER MONITORING 14 FEBRUARY 2024

		SSTOM-002 Sur	face Water South Creek						
Analyte	Post Rain Event	No							
,	Date	14/02/2024							
	Unit	Upstream	Adjacent						
рН	рН	7.95	7.91	7.96					
Aluminium	mg/L	0.27	0.24	1.54					
Electrical Conductivity @ 25°C	μS/cm	893	886	892					
Total Suspended Solids	mg/L	28	32	33					
Copper	mg/L	0.001	0.002	0.003					
Ammonia	mg/L	0.05	0.06	0.04					
Nitrogen (total)	mg/L	2.1	2.1	2.1					
Oil and Grease	Visible/Not visible	Not visible	Not visible	Not visible					
Phosphorus (total)	mg/L	0.14	0.14	0.17					
Zinc	mg/L	<0.005	<0.005	0.008					
Chromium (VI) Compounds	mg/L	<0.01	<0.01	<0.01					

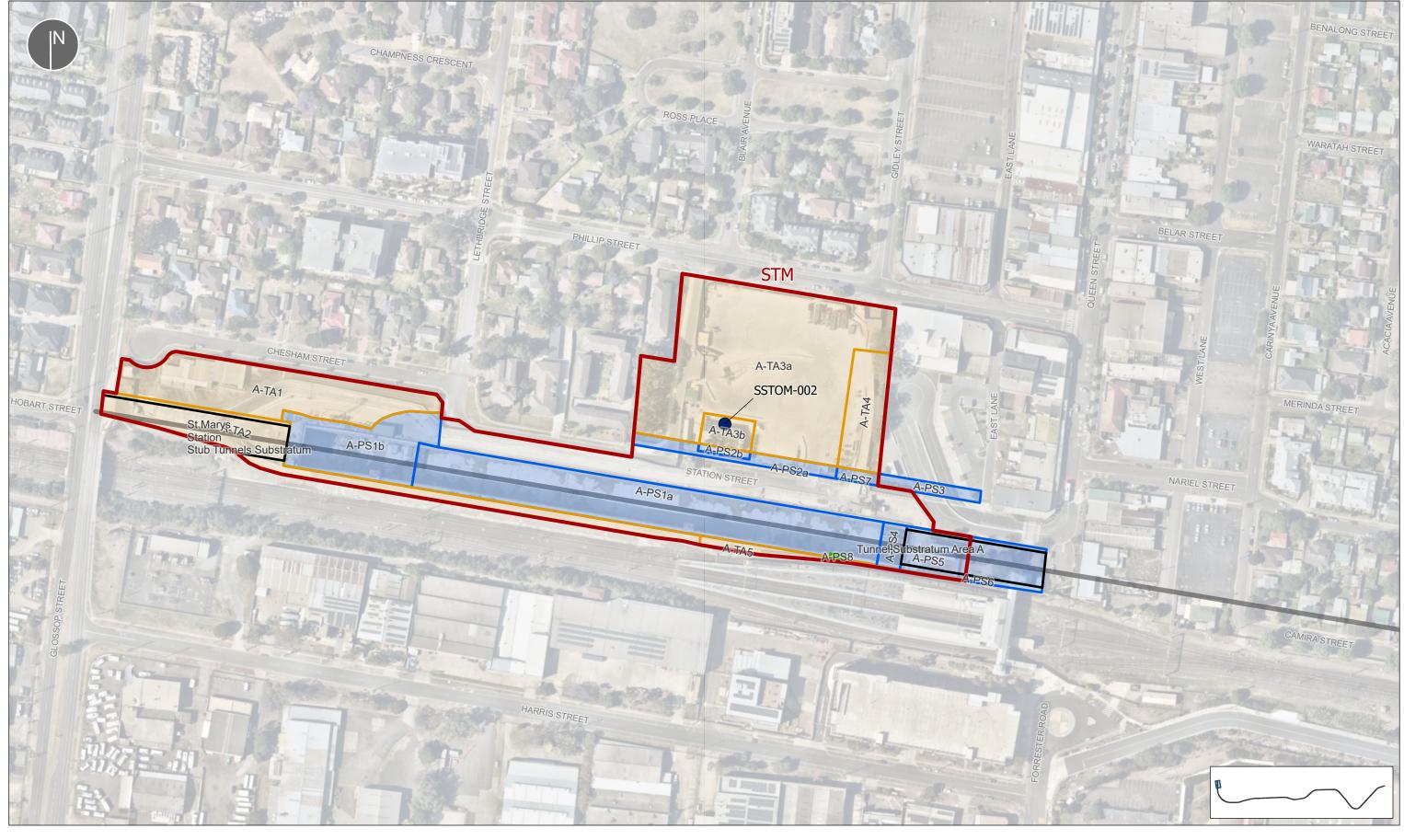


TABLE 11 SURFACE WATER MONITORING 28 FEBRUARY 2024

		SSTOM-002 Surf	ace Water South Creek						
Analyte	Post Rain Event	Yes							
	Date	28/02/2024							
	Unit	Upstream	Adjacent						
рН	рН	7.67	7.74	7.78					
Aluminium	mg/L	1.91	2.64	2.63					
Electrical Conductivity @ 25°C	μS/cm	835	826	824					
Total Suspended Solids	mg/L	94	92	114					
Copper	mg/L	0.005	0.006	0.015					
Ammonia	mg/L	0.06	0.06	0.08					
Nitrogen (total)	mg/L	2.6	2.9	2.8					
Oil and Grease	Visible/Not visible	Not visible	Not visible	Not visible					
Phosphorus (total)	mg/L	0.23	0.25	0.23					
Zinc	mg/L	0.010	0.013	0.020					
Chromium (VI) Compounds	mg/L	<0.01	<0.01	<0.01					



Appendix E Premise Maps - February





Site Access Schedule Aerial Stratum

Project Site Substratum

Temporary Area Discharge Points

Water Treatment Plant



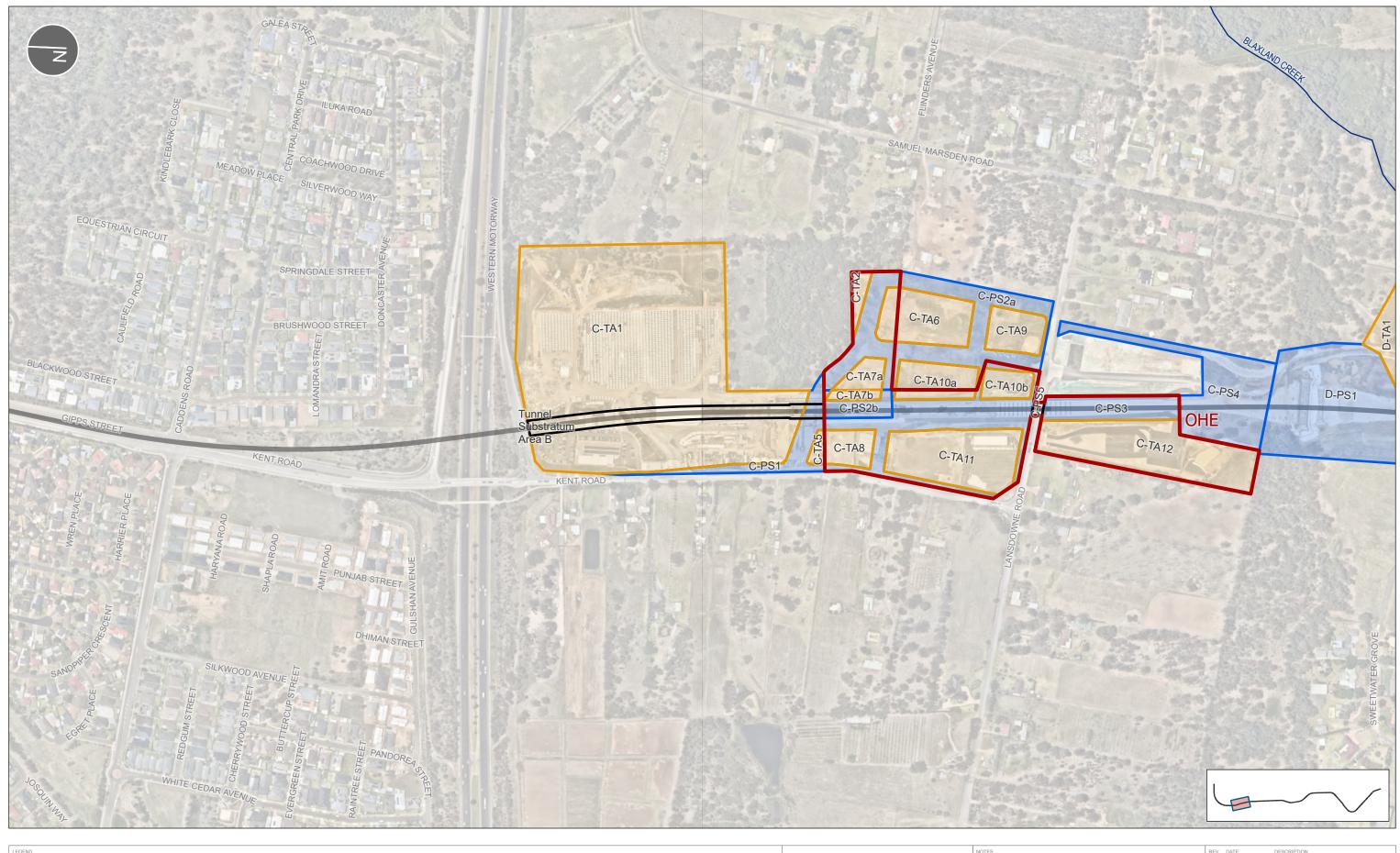
80m

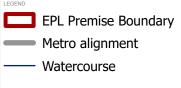
EPL 21807 PREMISE BOUNDARY

40

REV DATE Sydney Metro Sydney Metro – Western Sydney Airport - SSTOM SMWSASSM-PLD-1NL-ENV-GIS-000001_15 A3 DRAWN MS APPROVED 1:2,000

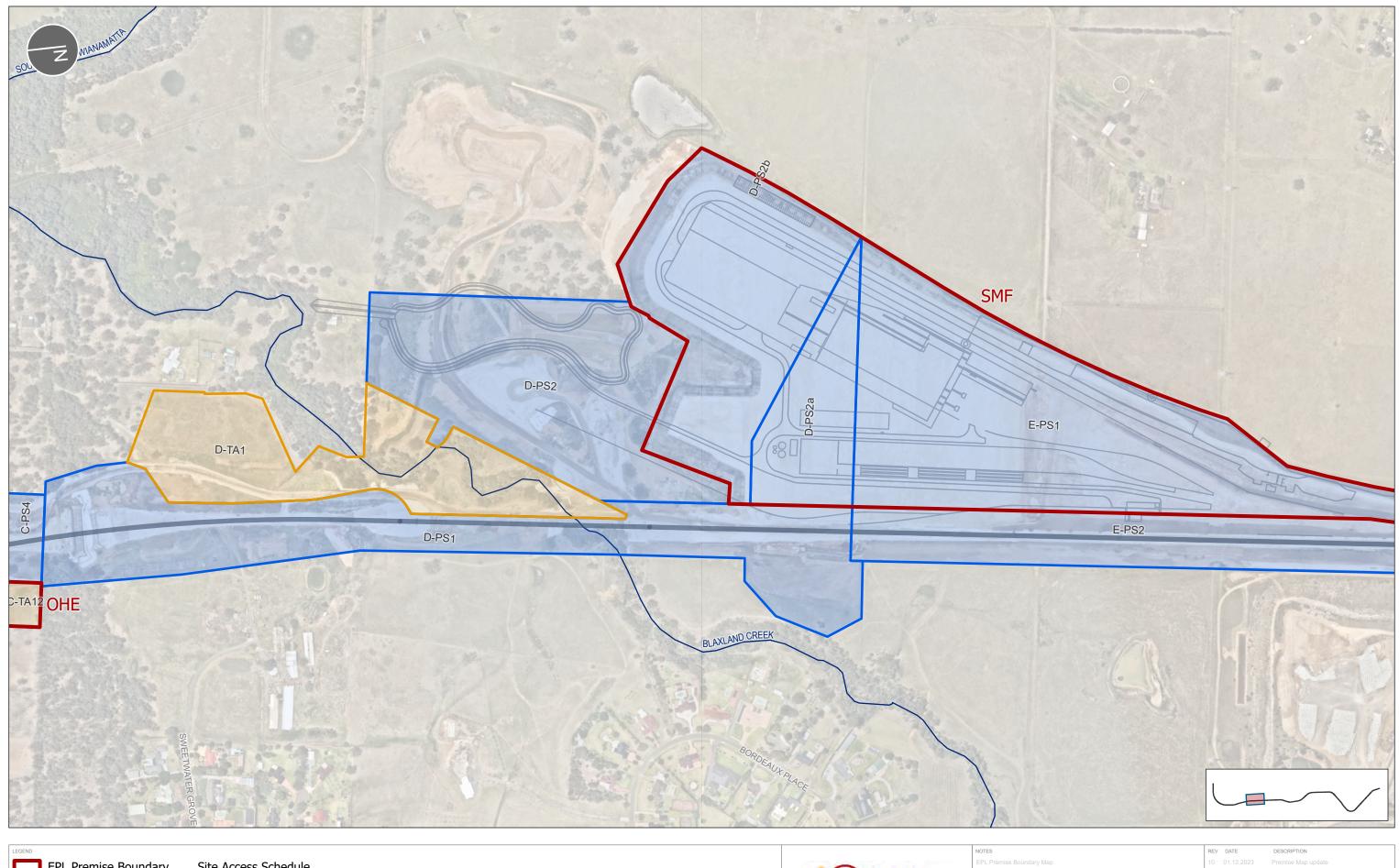
1 of 6 GDA2020 MGA Zone 56 MS 09/02/2024





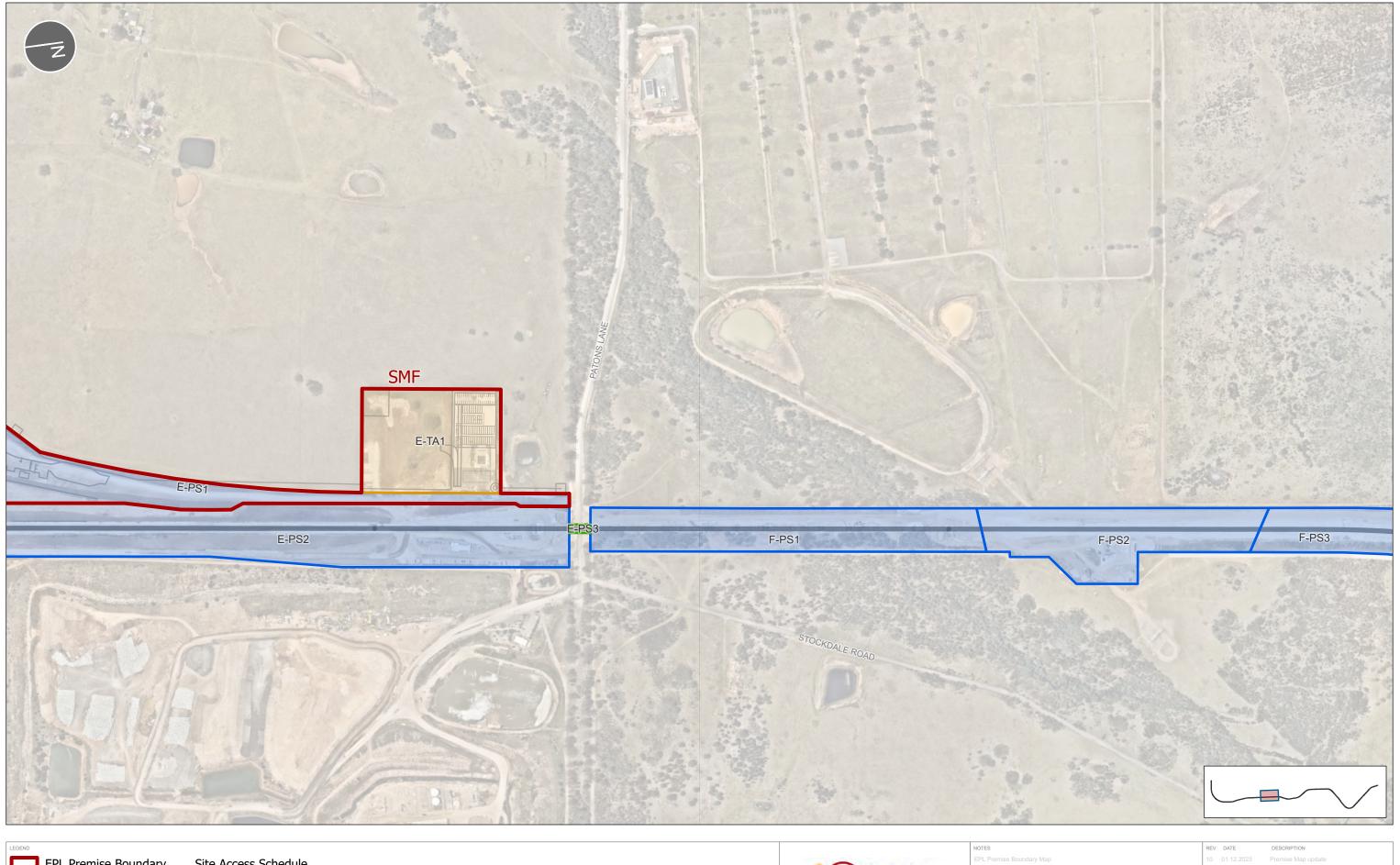
Site Access Schedule
Project Site
Substratum
Temporary Area

			NOTES			REV	DATE	DESCRIPTION
			EPL Premise Bound	lary Map		10	01.12.2023	Premise Map update
	Day	Wlife				11	15.12.2023	Premise Map update
Parklife Metro D&C						12	22.12.2023	Premise Map update
						13	17.01.2024	Premise Map update
1000						14	29.01.2024	Premise Map update
						15	09.02.2024	Premise Map update
EPL 2180	EPL 21807 PREMISE BOUNDARY			– Western Sydney Airport - SST	ОМ	Syc	dney Metro	
			SCALE 1:5,000	A3	DRAWN BY	MS	ROVED	MAP# REV SMWSASSM-PLD-1NL-
0	100	200m	SHEET 2 of 6	GDA2020 MGA Zone 56	REVIEW MS	DATE 09/	02/2024	ENV-GIS-000001_15 15
			MAPOLOG\	for CHBJV - GIS MAP file: SSTOM_ENV_I	PL C:\Live_P	rojects\	sstom_gis\a_curre	ent\maps\Environment\SSTOM_ENV_EPL.aprx





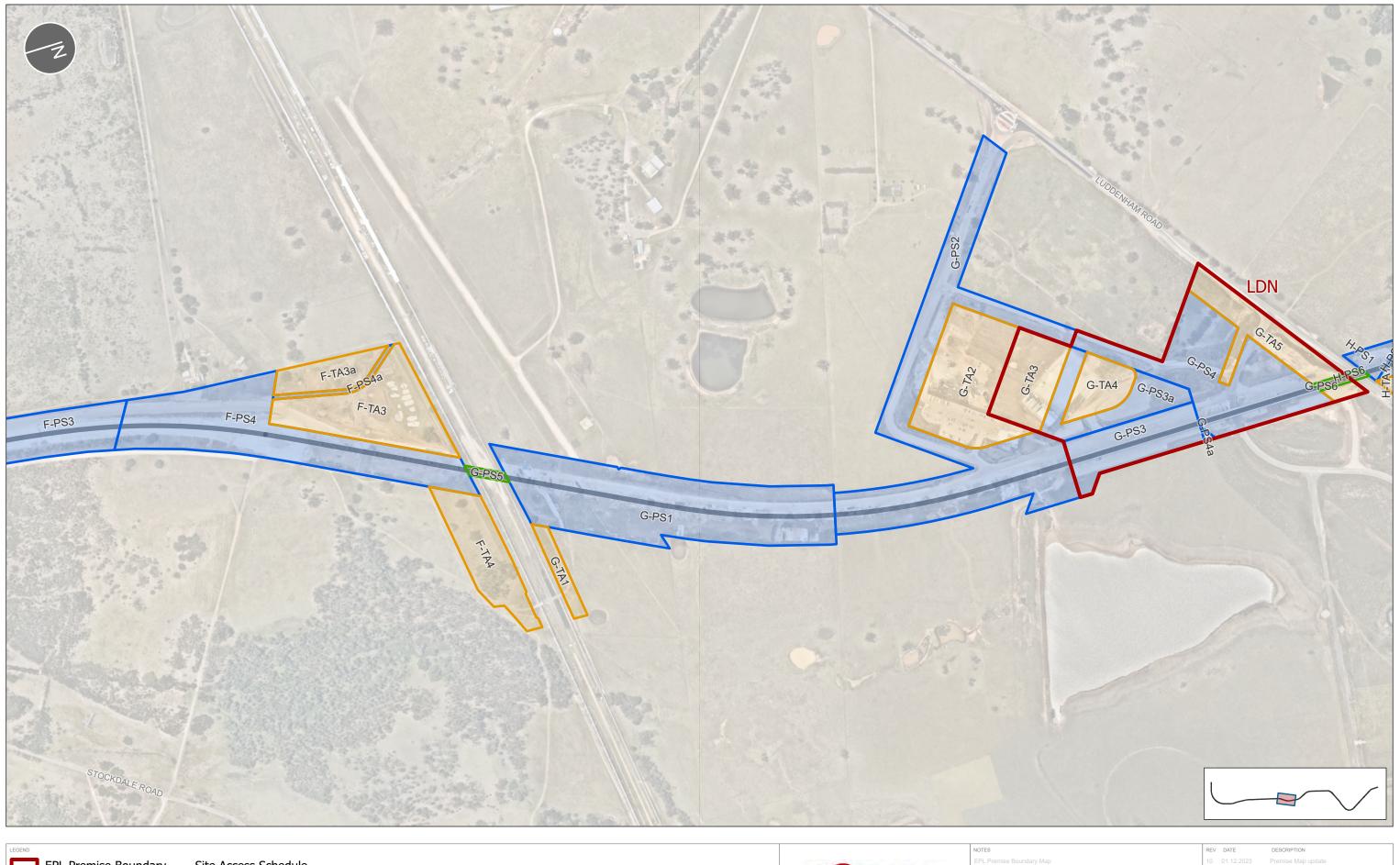
			NOTES			REV	DATE	DESCRIPTION
			EPL Premise Bound	ary Map		10	01.12.2023	Premise Map update
	Par	klifa				11	15.12.2023	Premise Map update
	(\bigcirc)	MILE				12	22.12.2023	Premise Map update
	Parklife Metro D&C					13	17.01.2024	Premise Map update
	11 11 11					14	29.01.2024	Premise Map update
						15	09.02.2024	Premise Map update
EPL:	EPL 21807 PREMISE BOUNDARY			- Western Sydney Airport - SST	ОМ	Syc	dney Metro	
			1:5,000	A3	DRAWN BY DD	MS	ROVED	MAP# REV SMWSASSM-PLD-1NL-
0	100	200m	3 of 6	GDA2020 MGA Zone 56	REVIEW MS	DATE 09/	02/2024	ENV-GIS-000001_15 15
			MAPOLOGY	for CHBJV - GIS MAP file: SSTOM_ENV_B	EPL C:\Live_F	Projects\	sstom_gis\a_curre	nt\maps\Environment\SSTOM_ENV_EPL.aprx







MAPOLOGY for CHBJV - GIS MAP file: SSTOM_ENV_EPL | C:\Live



EPL Premise Boundary

Metro alignment

Watercourse

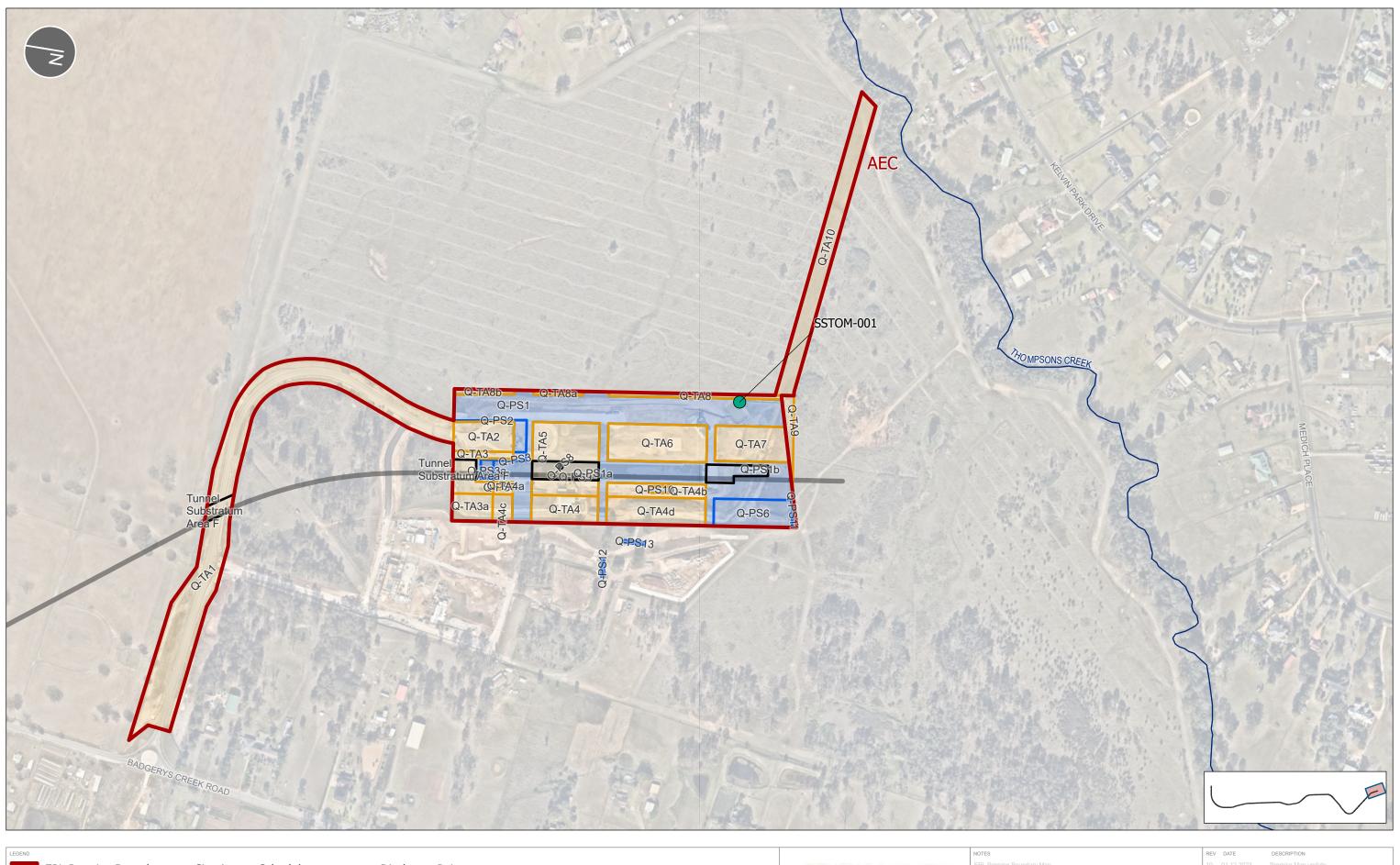
Site Access Schedule

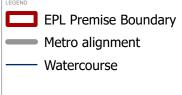
Aerial Stratum

Project Site

Temporary Area







Site Access Schedule
Project Site

Temporary Area

Substratum

Discharge Points

Temporary Sediment Basin

			NOTES			REV	DATE	DESCRIPTION
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Parklife Metro D&C						11	15.12.2023	Premise Map update
						12	22.12.2023	Premise Map update
						13	17.01.2024	Premise Map update
1000						14	29.01.2024	Premise Map update
						15	09.02.2024	Premise Map update
EPL 2180	EPL 21807 PREMISE BOUNDARY			- Western Sydney Airport - SST	ОМ	Syc	dney Metro	
			1:5,000	A3	DRAWN BY	MS	ROVED	MAP# REV SMWSASSM-PLD-1NL-
0	0 100 200n		SHEET 6 of 6	GDA2020 MGA Zone 56	REVIEW MS	DATE 09/	02/2024	ENV-GIS-000001_15 15
-			MAPOLOG'	Y for CHBJV - GIS MAP file: SSTOM_ENV_I	PL C:\Live_F	rojects\	sstom_gis\a_curre	ent\maps\Environment\SSTOM_ENV_EPL.aprx