
# EPL 21807 Monitoring Report January 2026

SSMWSASSM-PLD-1NL-NL000-EV-RPT-000070

Parklife Metro D&C

# Approval Record

| Revision | Author | Date | Issue | Reviewed by | Approved by |
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| Signature | | | | [redacted] | [redacted] |

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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 Bradfield 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 Bradfield 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<br><br>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:<br>a) be representative of the premises;<br>b) commence prior to any works that may cause sediment to leave the premises; and<br>c) continue to be operated until soil disturbance activities cease at the premises and the site has been stabilised. | Section 3.1<br>Appendix A |
| **Noise** | | |
| L5.9 | Works outside of standard construction hours – Regulatory Requirements<br>In undertaking any works and activities outside of standard construction hours under condition L5.8, the licensee must comply with the following:<br>a) Prepare a construction noise and vibration impact assessment in accordance with the Interim Construction Noise Guideline (DEC, 2009) that is to include:<br>i. a description of the proposed works and activities outside of standard construction hours;<br>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<br>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.<br>b) Undertake noise monitoring in accordance with the monitoring plan required by condition L5.9(a)(iii). | Section 3.2<br>Appendix B |

| | | |
|---|---|---|
| L5.10 | St Marys Station, Orchard Hills Station and Bradfield Station - Out of Hours Concrete Works<br>Concrete works associated with station box construction at St Marys Station, Orchard Hills Station and Bradfield Station, including concrete pouring, finishing and cleaning, are permitted to be undertaken outside of standard construction hours specified in L5.1 provided that:<br>a) Works are required to achieve compliance with overarching project technical requirements,<br>b) Works had already begun within a reasonable time prior to end of standard construction hours,<br>c) Out of Hours (OOH) works are undertaken from 5am to 7am and 6pm to 12am (midnight), Monday to Friday and 6am to 8am and 1pm to 6pm on Saturday,<br>d) Station box base slab and wall concreting activities and supporting formwork and reinforcement activities are permitted to occur up to 12am (midnight) Monday to Friday a total of 12 times per month until all base slabs and wall pours are completed,<br>e) Station box base slab and wall concreting activities and supporting formwork and reinforcement activities (e.g. using concrete pump, vibrators, concrete trucks, etc) must be completed before 12am (midnight) on Monday to Friday,<br>f) All other concreting activities (e.g. using concrete pump, vibrators, concrete trucks, etc) must be completed before 10pm on Monday to Friday,<br>g) Concrete finishing works (e.g. power floats, hand tools) must be completed before 12am (midnight) on Monday to Friday,<br>h) The licensee is required to undertake noise monitoring in accordance with condition L5.9(b),<br>i) The licensee is required to undertake noise monitoring on a monthly basis at each Station and additionally monitor the first three instances of OOH concrete works at each Station:<br>1. commencing prior to 7am, and<br>2. extending past 10pm<br>j) The licensee is required to provide the EPA with a Noise Monitoring Report within 30 days of the end of each month,<br>k) Works are permitted to occur until 31 May 2026. | Section 3.2<br>Appendix B |
| L5.11 | St Marys, Orchard Hills and Bradfield Station sites - Out of Hours Precast Concrete Beam Installation<br>Precast beam installation for station box construction at St Marys, Orchard Hills and Bradfield Station sites is permitted to be undertaken outside of standard construction hours specified in L5.1, provided that:<br>a) Works are required to achieve compliance with project requirements for unloading oversize/overmass precast beam deliveries and site safety requirements,<br>b) Works and activities are undertaken from 12am (midnight) to 7am, Monday to Friday nights,<br>c) The licensee is required to undertake noise monitoring in accordance with condition L5.9(b),<br>d) The licensee is required to undertake noise monitoring at each Station on a monthly basis, and additionally monitor:<br>1. the first two instances of OOH concrete beam installation at each Station, and<br>2. the first two instances of OOH concrete beam installation at each Station that occurs concurrently with activities permitted under Condition L5.10.<br>e) The licensee is required to provide the EPA with a Noise Monitoring Report within 30 days of the end of each month,<br>f) Works are permitted to occur until 31 May 2026. | Section 3.2<br>Appendix B |

| | | |
|---|---|---|
| L5.12 | Stabling and Maintenance Facility - Out of Hours Concrete Works Concrete works associated with Maintenance & Administration and Operational Control Centre buildings at the Stabling and Maintenance Facility, including concrete pouring, finishing, and cleaning, are permitted to be undertaken outside of standard construction hours specified in L5.1 provided that:<br>a) Works are required to achieve compliance with overarching project technical requirements,<br>b) Works had already begun within a reasonable time prior to end of standard construction hours,<br>c) Out of Hours works (OOH) are undertaken from 5am to 7am and 6pm to 12am (midnight), Monday to Friday, and 6am to 8am, and 1pm - 6pm on Saturday,<br>d) Base slab concreting activities and supporting formwork and reinforcement activities must be completed before 12am (midnight) Monday to Friday,<br>e) Base slab concreting activities and supporting formwork and reinforcement activities are permitted to occur up to 12am (midnight) Monday to Friday a total of 12 times per month until base slabs are completed,<br>f) All other concreting activities (e.g. using concrete pump, vibrators, concrete trucks, etc) must be completed before 10pm on Monday to Friday,<br>g) Concrete finishing works (e.g. power floats, hand tools) must be completed before 12am (midnight) on Monday to Friday,<br>h) The licensee is required to undertake noise monitoring in accordance with L5.9(b),<br>i) The licensee is required to undertake noise monitoring on a monthly basis and additionally during the first three instances of OOH concrete works:<br>1. commencing prior to 7am, and<br>2. extending past 10pm.<br>j) The licensee is required to provide the EPA with a Noise Monitoring Report within 30 days of the end of each month,<br>k) Works are permitted to occur until 31 March 2026. | Section 3.2<br>Appendix B |
| L5.13 | Orchard Hills Station site - Out of Hours Concrete Batch Plant Operation The concrete batch plant located at the Orchard Hills site is permitted to operate outside of standard construction hours specified in L5.1 provided that:<br>a) Operation of the plant is required to achieve compliance with overarching project technical requirements of large concrete pours permitted by condition L5.10 and L5.12<br>b) Concrete works had already begun within a reasonable time prior to end of standard construction hours,<br>c) Out of Hours (OOH) works are undertaken from 5am to 7am and 6pm to 10pm Monday to Friday, and 6am to 8am and 1pm to 6pm on Saturday,<br>d) The licensee is required to undertake noise monitoring in accordance with condition L5.9(b),<br>e) The licensee is required to undertake noise monitoring on a monthly basis and additionally monitor the first three instances of OOH operation of the concrete batch plant:<br>1. commencing prior to 7am, and<br>2. extending past 8pm<br>f) The licensee is required to provide the EPA with a Noise Monitoring Report within 30 days of the end of each month,<br>g) Works are permitted to occur until 31 May 2026. | Section 3.2<br>Appendix B |

| | | |
|---|---|---|
| L5.14 | Works outside standard construction hours - 24-hour works<br>a) The following works are permitted to be undertaken 24 hours a day, 7 days per week for activities at the St Marys Station Site, Claremont Meadows services shaft site, Orchard Hills Station site, Bringelly services shaft site, and Bradfield Station site:<br>i. Tunnel and underground station box fit out works and ancillary surface support works<br>ii. Haulage and delivery of materials to the Claremont Meadows services shaft site and Bringelly services shaft site.<br>b) The licensee is required to undertake attended noise monitoring:<br>1. on the first two occasions of 24-hour works at each site:<br>i. St Marys Station site,<br>ii. Claremont Meadows services shaft site,<br>iii. Orchard Hills Station site,<br>iv. Bringelly services shaft site,<br>v. Bradfield Station site, and<br>2. noise monitoring must occur in the night time period.<br>3. the licensee is required to provide the EPA with a Noise Monitoring Report within 30 days of the end of the month in which noise monitoring was undertaken. | |
| L5.15 | Aluminothermic Welding and Rail Adjustments associated with rail installation at the Stabling and Maintenance facility, including rail cutting, riser removal and shearing and grinding of weld, are permitted to be undertaken outside of standard construction hours specified in L5.1 provided that:<br>a) Works are required to achieve compliance with overarching project technical requirements,<br>b) Works are commenced in the evening work period as soon as technically feasible within the required temperature constraints,<br>c) Out of Hours (OOH) works are undertaken from 6pm to 3am Monday to Friday (completed by 3am Saturday morning),<br>d) The licensee is required to undertake noise monitoring:<br>i) on a monthly basis and during the first three aluminothermic welding and rail adjustment occasions; and<br>ii) provide the EPA with a Noise Monitoring Report within 30 days of the end of the month in which monitoring occurred,<br>e) Works are permitted to occur until 31 March 2026. | Not triggered |
| 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. | Not triggered |
| **Community Agreements**<br>The licensee may work outside standard construction hours (as defined in L5.1) in circumstances other than those permitted under conditions L5.3, L5.4, or any other condition of the licence, subject to the condition outlined Section E1. | | |
| E1.4 | A noise validation monitoring plan must be submitted to the EPA for approval as part of the community agreement documentation prior to any OOHW occurring. | Section 3.2<br>Appendix B |

| | | |
|---|---|---|
| E1.5 | Validation monitoring must be undertaken for any OOHW that are the approved under condition E1.1 and must:<br>a) be undertaken in accordance with the monitoring plan prepared under condition E1.4;<br>b) be performed by a Competent Person;<br>c) be performed on at least the first 2 occasions (day, evening, nights) where OOHW will be undertaken and are likely to impact Noise Sensitive Receivers;<br>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;<br>e) be representative of the impacts in terms of monitoring locations, time and duration of measurements; and<br>f) be recorded and provided to an EPA officer upon request. | Section 3.2<br>Appendix B |
| **Water** | | |

P1.1

The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Section 3.3.2

Table 5

| EPA Identification no | Type of Monitoring Point | Type of Discharge Point | Location Description |
|---|---|---|---|
| 1 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin on the Bradfield 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 |
| 4 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the water treatment plant on the Bradfield site discharging to Thompson Creek |
| 5 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin at the Stabling and Maintenance Facility site discharging to Blaxland Creek referred to in Condition P1.2 |
| 6 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin discharging to Cosgroves Creek referred to in Condition P1.2 |
| 7 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin on Orchard Hills site discharging to South Creek referred to in Condition P1.2 |
| 8 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin near Elizabeth Drive discharging to Badgerys Creek referred to in Condition P1.2 |
| 9 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin at the Claremont Meadows site discharging to local stormwater referred to in Condition P1.2. |
| 10 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin at the Claremont Meadows site discharging to local stormwater referred to in Condition P1.2. |
| 11 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin discharging to an unnamed tributary of Blaxland Creek referred to in Condition P1.2. |
| 12 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin on the Stabling and Maintenance Facility site discharging to Blaxland Creek referred to in Condition P1.2 |
| 13 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin located south of Patons Lane discharging to an unnamed tributary of South Creek referred to in Condition P1.2 |
| 14 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin at the Bringelly site discharging to Badgerys Creek referred to in Condition P1.2. |
| 15 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin near Luddenham Station |

| | | | |
|---|---|---|---|
| | | | discharging to an unnamed tributary of South Creek referred to in Condition P1.2 |
| 16 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin on the Linewide North site discharging to Blaxland Creek referred to in Condition P1.2 |
| 17 | Discharge and Monitoring | Discharge and Monitoring | The outlet of the sediment basin on the Bradfield site discharging to Thompson Creek referred to in Condition P1.2 |

M2.2

Water and/or Land Monitoring Requirements

POINT 1, 3, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17

| Pollutant | Unit of measure | Frequency | Sampling Method |
|---|---|---|---|
| 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 | milligrams per litre | Daily during any Grab sample discharge | Grab sample |
| Ammonia | milligrams per litre | Daily during any Grab sample discharge | Grab sample |
| Chromium (VI) Compounds | milligrams per litre | Daily during any discharge | Grab sample |
| Copper | milligrams per litre | Daily during any discharge | Grab sample |
| Electrical conductivity | microsiemens per centimetre | Daily during any discharge | Grab sample |
| Nitrogen (total) | milligrams per litre | Daily during any discharge | Grab sample discharge |
| Oil and Grease | Visible | Daily during any discharge | Visual Inspection |
| pH | pH | Daily during any discharge | Probe |
| Phosphorus (total) | milligrams per litre | Daily during any discharge | Grab sample |
| TSS | milligrams per litre | Daily during any discharge | Grab sample |
| Zinc | milligrams per litre | Daily during any discharge | Grab sample |

POINT 4

| Pollutant | Units of measure | Frequency | Sampling Method |
|---|---|---|---|
| Aluminium | milligrams per litre | Monthly during discharge | Grab sample |
| Ammonia | milligrams per litre | Monthly during discharge | Grab sample |
| Chromium (VI) Compounds | milligrams per litre | Monthly during discharge | Grab sample |
| Copper | milligrams per litre | Monthly during discharge | Grab sample |
| Electrical conductivity | microsiemens per centimetre | Monthly during discharge | Grab sample |
| Nitrogen (total) | milligrams per litre | Monthly during discharge | Grab sample |
| Oil and Grease | Visible | Monthly during discharge | Visual Inspection |
| pH | pH | Monthly during discharge | Probe |
| Phosphorus (total) | milligrams per litre | Monthly during discharge | Grab sample |
| TSS | milligrams per litre | Monthly during discharge | Grab sample |
| Zinc | milligrams per litre | Monthly during discharge | Grab sample |

Section 3.3.2

Appendix C

M2.3

For the purposes of Condition M2.2 and the Table thereto, 'Special Frequency 1' means:

a) less than 24 hours prior to a controlled discharge and daily for any continued controlled discharge, when it is safe to do so; and

b) when rainfall causes a discharge from a sediment basin which has not been emptied within the design management period following cessation of a rainfall event, when it is safe to do so.

Section 3.3.2

| | | |
|---|---|---|
| E2.1 | The licensee must undertake surface water monitoring of receiving waterways at locations upstream, downstream and adjacent to discharge points 2 and 4 identified in Condition P1.1 at fortnightly intervals and at least once during each discharge event. This monitoring must be undertaken for a minimum of 3 months:<br>a) from the date that point 2 was added to the licence; and<br>b) from the date that discharge from point 4 commences.<br>Surface water monitoring results must include:<br>a) quality and quantity of all parameters that are identified in the table in M2.2 for discharge points 2 and 4; and<br>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:<br>i. from the date that point 2 was added to the licence; and<br>ii. from the date that discharge from point 4 commences. | Section 3.3.1 |
| E3.1 | Water Treatment Plant (WTP) Performance Reporting<br>A) The licensee must undertake water quality sampling of all discharges from the WTP (as identified as Point 2 and 4 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:<br>i) daily during discharge<br>ii) as per condition M2.2, following this sampling frequency or as directed by the EPA. | Not Triggered |
| Additional Monitoring Conditions | | |
| M4.5 | The licensee must undertake monitoring, sampling, video recording and/or take photographs:<br>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 license applies);<br>b) as soon as practicable; and<br>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 January 2026 to 31 January 2026.

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) and Penrith Lakes (Station 067113). Meteorological data for the month of January can be found within Appendix A.

Penrith Lakes Station reported 148.8 mm total rainfall for the reporting period, with 9 days exceeding 1mm, 2 days exceeding 10mm, and 1 day exceeding 20mm of rain.

During the reporting period, 25 days recorded wind gusts greater than 25km/hr, 1 day where the maximum wind gust recorded was greater than 50 km/h, and no days where the maximum wind gust recorded was greater than 60 km/hr.

Badgerys Creek Station reported 149.6 mm total rainfall for the reporting period, with 9 days exceeding 1mm, 2 days exceeding 10mm, and 1 day exceeding 20mm of rain.

During the reporting period, 27 days recorded wind gusts greater than 25km/hr, 2 days where the maximum wind gust recorded was greater than 50 km/h, and no days where the maximum wind gust recorded 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 (Penrith Lakes Station) | Observation | Weather Event (Badgerys Creek Station) | Observation |
|---|---|---|---|
| Minimum temperature (°C) | 15.1 | Minimum temperature (°C) | 13.9 |
| Maximum temperature (°C) | 42.5 | Maximum temperature (°C) | 42.8 |
| Total rainfall (mm) | 148.8 | Total rainfall (mm) | 149.6 |
| Number of days with rain (>1mm) | 9 | Number of days with rain (>1mm) | 9 |
| Number of days with rain (>10mm) | 2 | Number of days with rain (>10mm) | 2 |
| Number of days with rain (>20mm) | 1 | Number of days with rain (>20mm) | 1 |
| Number of days with >25km/h wind gust | 25 | Number of days with >25km/h wind gust | 27 |
| Number of days with >50km/h wind gust | 1 | Number of days with >50km/h wind gust | 2 |
| Number of days with >60km/h wind gust | 0 | Number of days with >60km/h wind gust | 0 |

## 3.2 Noise and Vibration Monitoring

Noise monitoring is required under Conditions L5.9, L5.10, L5.11. L5.12, L5.13, L5.14 and E1.5 to validate noise predications for work undertaken outside of standard construction hours in accordance with the construction noise and vibration assessment and monitoring plan. All noise monitoring performed under EPL (21807) will be included in Appendix B.

TABLE 4 SUMMARY OF NOISE MONITORING FOR REPORTING PERIOD

| Date | Monitoring Location | Attended / Continuous | Description |
|---|---|---|---|
| 19/01/2026 | 4 Chesham Street, St Marys | Attended | House opposite St Marys Station |
| 19/01/2026 | 4 Chesham Street, St Marys | Attended | House opposite St Marys Station |
| 23/01/2026 | 12 Bordeaux Place, Orchard Hills | Attended | Quiet residential area west of the Stabling and Maintenance Facility. |
| 23/01/2026 | 43a Luddenham Road, Orchard Hills | Attended | Secluded resident east of SMF. |
| 28/01/2026 | 40 Landsdowne Road, Orchard Hills | Attended | Residence located on a busy intersection. |
| 28/01/2026 | 7 Bordeaux Place, Orchard Hills | Attended | Quiet residential area west of the Stabling and Maintenance Facility. |
| 29/01/2026 | 4 Chesham Street, St Marys | Attended | House opposite St Marys Station |
| 29/01/2026 | 4 Chesham Street, St Marys | Attended | House opposite St Marys Station |

## 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 the date Point 2 was added to the licence (30 November 2023). This period ended on 30 February 2024, and additional background monitoring was obtained through March and April. This monitoring is now complete.

Additionally, as per Condition E2.1 surface water monitoring will be conducted at discharge Point 4 at fortnightly intervals and at least once during each discharge event for a minimum of 3 months from the date that discharge from Point 4 commences. These water monitoring results will be presented in Appendix D accordingly.

### 3.3.2 Discharge to water

The discharge of water from sediment basins occured at the following discharge point during the reporting period:

- SSTOM-014

The EPL discharge criteria apply to sediments basins identified in condition L2.4 of the approved EPL 21807. Basins and discharge points are summarised in Table 5. Monitoring results for March are 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 | Not Active | 1 | 290807.84 | 6243844.20 | The outlet of the sediment basin on the Bradfield site discharging to Thompson Creek | South Creek | Thompsons Creek | Yes | 14/11/2023 |
| SSTOM-002 | Not 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 | Not 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 | 14/02/2024 |
| SSTOM-004 | Not active | 4 | 291447.72 | 6243909.96 | The outlet of the water treatment plant on the Bradfield site discharging to Thompson Creek | South Creek | Thompsons Creek | No | 15/05/2024 |
| SSTOM-005 | Not active | 5 | 292112.47 | 6257621.18 | The outlet of the sediment basin at the Stabling and Maintenance Facility site discharging to Blaxland Creek | South Creek | Blaxland Creek | No | 28/08/2024 |
| SSTOM-006 | Not active | 6 | 291092.66 | 6252180.95 | The outlet of the sediment basin discharging to Cosgroves Creek | South Creek | Cosgrove Creek | No | 04/09/2024 |
| SSTOM-007 | Not active | 7 | 292065.7 | 6259303.9 | The outlet of the sediment basin discharging to South Creek | South Creek | South Creek | No | 15/11/2024 |
| SSTOM-008 | Not active | 8 | 291981.6 | 6249912.7 | The outlet of the sediment basin discharging to Badgerys Creek | Badgerys Creek | Badgerys Creek | No | 4/12/2024 |
| SSTOM-009 | Not active | 9 | 291981.6 | 6249912.7 | The outlet of the sediment basin discharging to Claremont Creek | South Creek | Claremont Creek | No | 16/01/2025 |
| SSTOM-010 | Not active | 10 | 292018.2 | 6261255.3 | The outlet of the sediment basin discharging to Claremont Creek | South Creek | Claremont Creek | No | 16/01/2025 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SSTOM-011 | Not active | 11 | 291965.4 | 6258444.4 | The outlet of the sediment basin discharging to Badgerys Creek | South Creek | Badgerys Creek | No | 16/01/2025 |
| SSTOM-012 | Not Active | 12 | 291985.4 | 6257951.5 | The outlet of the sediment basin discharging to Blaxland Creek | South Creek | Blaxland Creek | Yes | 16/01/2025 |
| SSTOM-013 | Not Active | 13 | 291528.1 | 6255484.1 | The outlet of the sediment basin located south of Patons Lane to Unnamed Creek | South Creek | Unnamed Creek | No | 23/01/2025 |
| SSTOM-014 | Active | 14 | 289482.8 | 6245852.0 | The outlet of the sediment basin at the Bringelly site discharging to Badgerys Creek. | South Creek | Badgerys Creek | Yes | 23/01/2025 |
| SSTOM-015 | Not active | 15 | 290913.5 | 6253487.3 | The outlet of the sediment basin near Luddenham Station discharging to an unnamed tributary of South Creek | South Creek | South Creek | No | 25/03/2025 |
| SSTOM-016 | Not Active | 16 | 291749.9 | 6257486.0 | The outlet of the sediment basin near Linewide (South Lansdown Road) Station discharging to Blaxland Creek | South Creek | Blaxland Creek | No | 4/06/2025 |
| SSTOM-017 | Not Active | 17 | 290808.06 | 6243841.41 | The outlet of the sediment basin on the Bradfield site discharging to Thompson Creek referred to in Condition P1.2 | South Creek | Thompson Creek | Yes | 14/10/2025 |

Parklife Metro D&C

# Appendices

# Appendix A Weather Observations – Penrith Lakes

TABLE 6 - MONTHLY WEATHER OBSERVATION TABLE (PENRITH LAKES)

## Penrith, New South Wales
## January 2026 Daily Weather Observations

Australian Government
Bureau of Meteorology

| Date | Day | Temps | | Rain | Evap | Sun | Max wind gust | | | 9am | | | | | | 3pm | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Min | Max | | | | Dirn | Spd | Time | Temp | RH | Cld | Dirn | Spd | MSLP | Temp | RH | Cld | Dirn | Spd | MSLP |
| | | °C | °C | mm | mm | hours | | km/h | local | °C | % | eighths | | km/h | hPa | °C | % | eighths | | km/h | hPa |
| 1 | Th | 17.5 | 21.4 | 0.2 | | | SSW | 31 | 07:55 | 18.6 | 74 | | S | 19 | | 20.5 | 59 | | SE | 15 | |
| 2 | Fr | 17.5 | 23.1 | 0 | | | SE | 22 | 13:44 | 19.6 | 63 | | SSW | 6 | | 22.0 | 55 | | ESE | 11 | |
| 3 | Sa | 16.6 | 31.3 | 0.2 | | | ENE | 33 | 14:11 | 20.6 | 73 | | N | 4 | | 30.0 | 46 | | ENE | 13 | |
| 4 | Su | 18.1 | 34.4 | 0.2 | | | SW | 54 | 13:36 | 22.0 | 81 | | WSW | 4 | | 22.2 | 84 | | NE | 19 | |
| 5 | Mo | 16.3 | 31.3 | 11.2 | | | S | 31 | 17:06 | 22.5 | 71 | | SSW | 9 | | 28.0 | 52 | | ESE | 20 | |
| 6 | Tu | 18.3 | 33.2 | 2.8 | | | SE | 26 | 17:10 | 22.6 | 76 | | SSW | 2 | | 30.9 | 44 | | NNW | 6 | |
| 7 | We | 19.0 | 38.4 | 0.2 | | | NE | 31 | 17:01 | 24.3 | 73 | | N | 6 | | 36.4 | 30 | | N | 7 | |
| 8 | Th | 18.9 | 42.1 | 0 | | | E | 31 | 16:28 | 26.4 | 61 | | S | 4 | | 40.3 | 18 | | NW | 9 | |
| 9 | Fr | 18.5 | 42.5 | 0 | | | NNE | 35 | 14:09 | 25.0 | 74 | | SSE | 9 | | 40.8 | 21 | | NNE | 15 | |
| 10 | Sa | 19.8 | 42.5 | 0 | | | NW | 43 | 14:50 | 34.1 | 27 | | NE | 6 | | 41.3 | 19 | | WNW | 28 | |
| 11 | Su | 20.0 | 21.7 | 0 | | | SE | 28 | 07:07 | 20.5 | 70 | | S | 11 | | 19.9 | 69 | | SSE | 11 | |
| 12 | Mo | 16.0 | 21.5 | 8.0 | | | SSE | 19 | 11:34 | 18.6 | 73 | | SW | 7 | | 20.5 | 79 | | SW | 7 | |
| 13 | Tu | 18.4 | 31.3 | 6.4 | | | ENE | 30 | 16:25 | 21.3 | 87 | | ESE | 2 | | 29.6 | 49 | | NNE | 9 | |
| 14 | We | 21.2 | 27.8 | 0 | | | NNE | 31 | 18:46 | 23.7 | 71 | | NNE | 13 | | 26.1 | 61 | | NE | 15 | |
| 15 | Th | 20.3 | 29.4 | 0.6 | | | E | 24 | 18:22 | 23.3 | 79 | | WNW | 4 | | 26.9 | 64 | | SSE | 6 | |
| 16 | Fr | 19.1 | 29.3 | 3.0 | | | SSE | 37 | 13:27 | 21.4 | 81 | | SSW | 9 | | 27.5 | 54 | | ESE | 11 | |
| 17 | Sa | 19.9 | 24.4 | 1.8 | | | SE | 48 | 12:24 | 20.6 | 94 | | S | 9 | | 21.0 | 93 | | SSE | 15 | |
| 18 | Su | 18.2 | 23.4 | 105.0 | | | SSE | 37 | 11:35 | 18.8 | 94 | | S | 11 | | 22.5 | 72 | | ESE | 9 | |
| 19 | Mo | 17.1 | 24.7 | 4.8 | | | ESE | 30 | 15:55 | 17.3 | 96 | | SW | 9 | | 22.0 | 73 | | SSE | 7 | |
| 20 | Tu | 16.8 | 26.6 | 4.2 | | | SE | 28 | 16:57 | 19.6 | 82 | | W | 7 | | 25.3 | 56 | | E | 11 | |
| 21 | We | 15.9 | 29.0 | 0.2 | | | E | 28 | 17:06 | 21.3 | 67 | | S | 6 | | 27.7 | 46 | | NW | 6 | |
| 22 | Th | 16.6 | 28.9 | 0 | | | SSE | 37 | 12:26 | 21.9 | 67 | | S | 9 | | 22.6 | 61 | | SE | 19 | |
| 23 | Fr | 16.5 | 26.0 | 0 | | | ESE | 26 | 16:23 | 19.5 | 64 | | SSW | 6 | | 24.1 | 52 | | E | 11 | |
| 24 | Sa | 17.6 | 32.5 | 0 | | | ENE | 24 | 15:49 | 21.6 | 68 | | NNW | 4 | | 30.8 | 46 | | ESE | 4 | |
| 25 | Su | 17.9 | 40.3 | 0 | | | SSE | 30 | 21:52 | 22.9 | 77 | | N | 4 | | 38.7 | 32 | | S | 2 | |
| 26 | Mo | 20.2 | 27.9 | 0 | | | SE | 30 | 15:17 | 23.8 | 65 | | SW | 6 | | 25.2 | 60 | | SE | 15 | |
| 27 | Tu | 18.8 | 30.5 | 0 | | | ENE | 26 | 17:41 | 23.3 | 60 | | SE | 4 | | 28.8 | 43 | | NW | 6 | |
| 28 | We | 15.1 | 35.1 | 0 | | | ESE | 22 | 11:06 | 20.9 | 77 | | W | 2 | | 31.4 | 43 | | NW | 7 | |
| 29 | Th | 20.8 | 31.9 | 0 | | | ESE | 30 | 14:48 | 24.6 | 74 | | NNW | 6 | | 31.1 | 45 | | WNW | 6 | |
| 30 | Fr | 19.1 | 34.1 | 0 | | | E | 28 | 18:43 | 24.6 | 65 | | NNE | 9 | | 32.1 | 48 | | NNE | 7 | |
| 31 | Sa | 20.9 | 38.6 | 0 | | | SSE | 24 | 20:26 | 25.3 | 75 | | N | 4 | | 37.0 | 33 | | N | 11 | |
| **Statistics for January 2026** | | | | | | | | | | | | | | | | | | | | | |
| Mean | | 18.3 | 30.8 | | | | | | | 22.3 | 72 | | | 6 | | 28.5 | 51 | | | 10 | |
| Lowest | | 15.1 | 21.4 | | | | | | | 17.3 | 27 | | # | 2 | | 19.9 | 18 | | S | 2 | |
| Highest | | 21.2 | 42.5 | 105.0 | | | SW | 54 | | 34.1 | 96 | | S | 19 | | 41.3 | 93 | | WNW | 28 | |
| Total | | | | 148.8 | | | | | | | | | | | | | | | | | |

Observations were drawn from Penrith Lakes AWS {station 067113}

IDCJDW2111.202601 Prepared at 16:00 UTC on 2 Mar 2026

# Weather Observations – Badgerys Creek

TABLE 7 - MONTHLY WEATHER OBSERVATION TABLE (BADGERYS CREEK)

## Badgerys Creek, New South Wales
## January 2026 Daily Weather Observations

Australian Government
Bureau of Meteorology

| Date | Day | Temps | | Rain | Evap | Sun | Max wind gust | | | 9am | | | | | | 3pm | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Min | Max | | | | Dirn | Spd | Time | Temp | RH | Cld | Dirn | Spd | MSLP | Temp | RH | Cld | Dirn | Spd | MSLP |
| | | °C | °C | mm | mm | hours | | km/h | local | °C | % | eighths | | km/h | hPa | °C | % | eighths | | km/h | hPa |
| 1 | Th | 15.3 | 21.4 | 0.2 | | | S | 35 | 08:13 | 18.8 | 69 | | S | 19 | 1015.0 | 20.7 | 53 | | S | 11 | 1015.7 |
| 2 | Fr | 15.0 | 23.6 | 0 | | | E | 24 | 13:05 | 19.7 | 60 | | SSW | 4 | 1018.8 | 21.2 | 60 | | ESE | 13 | 1017.0 |
| 3 | Sa | 16.0 | 30.4 | 0 | | | ESE | 39 | 16:12 | 22.0 | 64 | | N | 13 | 1016.4 | 28.9 | 48 | | ENE | 22 | 1011.7 |
| 4 | Su | 16.6 | 34.5 | 1.2 | | | S | 41 | 14:43 | 22.7 | 75 | | NNW | 4 | 1011.6 | 28.3 | 48 | | NNW | 13 | 1006.8 |
| 5 | Mo | 13.9 | 32.0 | 0.6 | | | ENE | 33 | 13:58 | 24.6 | 58 | | S | 11 | 1012.8 | 30.7 | 43 | | NE | 19 | 1010.4 |
| 6 | Tu | 16.8 | 33.0 | 1.6 | | | E | 31 | 15:06 | 21.9 | 71 | | W | 4 | 1017.5 | 31.9 | 38 | | N | 11 | 1013.9 |
| 7 | We | 17.9 | 38.7 | 0 | | | E | 35 | 15:47 | 25.0 | 70 | | NNE | 6 | 1019.4 | 37.4 | 24 | | ENE | 13 | 1015.2 |
| 8 | Th | 17.5 | 42.2 | 0 | | | E | 31 | 16:07 | 26.9 | 55 | | SSE | 4 | 1016.4 | 40.5 | 14 | | ENE | 9 | 1012.2 |
| 9 | Fr | 15.9 | 42.2 | 0 | | | ENE | 41 | 17:04 | 30.5 | 44 | | NE | 6 | 1012.0 | 40.5 | 16 | | NNE | 17 | 1007.1 |
| 10 | Sa | 18.8 | 42.8 | 0 | | | WNW | 52 | 15:06 | 33.9 | 26 | | NW | 24 | 1005.8 | 41.6 | 18 | | WNW | 26 | 1000.9 |
| 11 | Su | 19.9 | 20.8 | 0 | | | SSE | 28 | 06:32 | 20.7 | 63 | | S | 11 | 1015.3 | 17.2 | 88 | | S | 9 | 1016.5 |
| 12 | Mo | 15.9 | 21.6 | 5.2 | | | ESE | 22 | 15:35 | 18.6 | 70 | | SW | 4 | 1019.8 | 18.9 | 88 | | S | 7 | 1017.6 |
| 13 | Tu | 17.8 | 32.8 | 2.6 | | | E | 37 | 16:26 | 25.8 | 62 | | N | 13 | 1011.9 | 31.2 | 40 | | NNE | 13 | 1009.0 |
| 14 | We | 18.9 | 29.9 | 0 | | | ENE | 39 | 17:58 | 26.3 | 51 | | N | 20 | 1011.5 | 27.8 | 50 | | NNE | 20 | 1009.0 |
| 15 | Th | 19.4 | 28.9 | 8.6 | | | E | 31 | 17:30 | 23.2 | 76 | | NNE | 9 | 1009.3 | 28.1 | 56 | | NE | 9 | 1004.4 |
| 16 | Fr | 17.8 | 30.7 | 0.2 | | | SSW | 35 | 19:08 | 24.4 | 58 | | SW | 15 | 1004.6 | 27.5 | 51 | | SSE | 13 | 1003.1 |
| 17 | Sa | 18.9 | 24.3 | 18.4 | | | S | 52 | 16:45 | 19.4 | 99 | | S | 15 | 1009.3 | 21.0 | 85 | | SSE | 28 | 1009.8 |
| 18 | Su | 17.8 | 26.5 | 100.8 | | | ESE | 43 | 15:08 | 18.1 | 98 | | S | 15 | 1014.3 | 23.1 | 61 | | SE | 24 | 1014.0 |
| 19 | Mo | 16.6 | 25.3 | 6.0 | | | E | 31 | 14:14 | 17.4 | 99 | | SW | 7 | 1015.7 | 24.8 | 63 | | SE | 19 | 1013.1 |
| 20 | Tu | 16.8 | 26.4 | 3.8 | | | E | 30 | 14:56 | 19.3 | 85 | | W | 9 | 1012.0 | 25.0 | 58 | | E | 20 | 1009.6 |
| 21 | We | 14.0 | 28.9 | 0.2 | | | | | | 21.2 | 68 | | SW | 7 | 1008.1 | 26.8 | 46 | | SSE | 7 | 1005.1 |
| 22 | Th | 15.0 | 28.8 | 0 | | | SE | 41 | 11:55 | 22.0 | 64 | | SSW | 9 | 1006.8 | 22.5 | 54 | | SE | 22 | 1010.0 |
| 23 | Fr | 15.7 | 25.4 | 0 | | | E | 28 | 16:41 | 19.0 | 63 | | SW | 7 | 1018.8 | 23.0 | 50 | | ESE | 11 | 1015.5 |
| 24 | Sa | 15.6 | 32.6 | 0.2 | | | E | 31 | 14:50 | 25.4 | 54 | | N | 11 | 1012.8 | 31.2 | 40 | | ENE | 9 | 1008.7 |
| 25 | Su | 16.5 | 41.6 | 0 | | | SE | 28 | 21:26 | 23.4 | 78 | | ENE | 6 | 1008.9 | 36.3 | 37 | | NNE | 9 | 1005.2 |
| 26 | Mo | 19.6 | 28.4 | 0 | | | SSE | 31 | 15:29 | 25.0 | 57 | | SSW | 6 | 1013.4 | 24.2 | 60 | | SE | 19 | 1012.9 |
| 27 | Tu | 16.4 | 29.6 | 0 | | | E | 31 | 16:43 | 23.0 | 60 | | SSW | 2 | 1015.3 | 28.8 | 48 | | E | 17 | 1011.3 |
| 28 | We | 13.9 | 34.2 | 0 | | | ENE | 28 | 13:11 | 25.1 | 57 | | NNE | 9 | 1012.7 | 32.3 | 44 | | E | 15 | 1010.1 |
| 29 | Th | 19.4 | 31.2 | 0 | | | ESE | 30 | 16:37 | 24.7 | 66 | | NNW | 6 | 1019.0 | 30.1 | 49 | | ESE | 17 | 1016.1 |
| 30 | Fr | 18.0 | 33.0 | 0 | | | N | 24 | 15:04 | 22.6 | 78 | | SE | 2 | 1017.9 | 31.0 | 46 | | N | 15 | 1013.7 |
| 31 | Sa | 19.5 | 36.5 | 0 | | | E | 30 | 14:06 | 23.2 | 78 | | | Calm | 1009.7 | 33.8 | 48 | | E | 17 | 1004.0 |
| **Statistics for January 2026** | | | | | | | | | | | | | | | | | | | | | |
| Mean | | 17.0 | 30.9 | | | | | | | 23.0 | 66 | | | 8 | 1013.3 | 28.6 | 49 | | | 15 | 1010.6 |
| Lowest | | 13.9 | 20.8 | | | | | | | 17.4 | 26 | | | Calm | 1004.6 | 17.2 | 14 | | # | 7 | 1000.9 |
| Highest | | 19.9 | 42.8 | 100.8 | | | # | 52 | | 33.9 | 99 | | NW | 24 | 1019.8 | 41.6 | 88 | | SSE | 28 | 1017.6 |
| Total | | | | 149.6 | | | | | | | | | | | | | | | | | |

Observations were drawn from Badgerys Creek AWS {station 067108}

IDCJDW2005.202601 Prepared at 16:00 UTC on 2 Mar 2026

# Appendix B Noise Monitoring

TABLE 8 DETAILED NOISE MONITORING DATA

| Date | Time | Construction Activity | Activity Location | Monitoring Location | NML (dBA) | Predicted (dBA) | Recorded $LA_{eq(15min)}$ (dBA) | LAmax | $LA_{10}$ | $LA_{90}$ | Exceedance of Predicted (dBA) | Exceedance of Predicted | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19/01/2026 | 06:28 | Concrete Pour | STM | 4 Chesham Street, St Marys | 41 | 53 | 51.9 | 74.4 | 53.6 | 45.9 | -1.1 | No | Dominant noise source was local traffic. PLM works audible, with measured noise levels remaining below those predicted by DNVIS. |
| 19/01/2026 | 13:11 | Utility Investigation | STM | 4 Chesham Street, St Marys | 47 | 83 | 64.5 | 77.2 | 70.8 | 51.6 | -18.5 | No | PLM works audible, with measured noise levels remaining below those predicted by DNVIS. |
| 23/01/2026 | 06:18 | Package for Additional Construction and Extension (PACE) | SMF | 12 Bordeaux Place, Orchard Hills | 45 | 56 | 48.3 | 67.3 | 49.9 | 36.2 | -7.7 | No | Dominant noise sources were residential construction and birds. PLM works inaudible. |
| 23/01/2026 | 06:43 | Package for Additional Construction and Extension (PACE) | SMF | 43a Luddenham Road, Orchard Hills | 39 | 55 | 47.6 | 57.1 | 49.7 | 44.5 | -7.4 | No | PLM works audible, with measured noise levels remaining below those predicted by DNVIS. |
| 28/01/2026 | 06:15 | Boral Batch Plant | OHE | 40 Landsdowne Road, Orchard Hills | 40 | 45 | 62.3 | 87.6 | 61.2 | 47.7 | 17.3 | No | Dominant noise source was local traffic. PLM works only faintly audible during brief breaks in traffic, with measured noise levels remaining below those predicted by DNVIS |
| 28/01/2026 | 06:43 | Package for Additional Construction and Extension (PACE) | SMF | 7 Bordeaux Place, Orchard Hills | 45 | 57 | 57.8 | 76 | 61.9 | 44.2 | 0.8 | No | PLM works inaudible during the monitoring session. Dominant noise sources were birds and local traffic on the M4. PLM work was below predicted DNVIS levels. |
| 29/01/2026 | 22:51 | Pre-cast Install | STM | 4 Chesham Street, St Marys | 41 | 59 | 52.3 | 74.6 | 53.2 | 45.2 | -6.7 | No | PLM works audible, with measured noise levels remaining below those predicted by DNVIS. |
| 29/01/2026 | 23:30 | Escalator Install | STM | 4 Chesham Street, St Marys | 41 | 60 | 50.9 | 73.6 | 54.9 | 44.1 | -9.1 | No | PLM works audible, with measured noise levels remaining below those predicted by DNVIS. |

# Appendix C Discharge to water

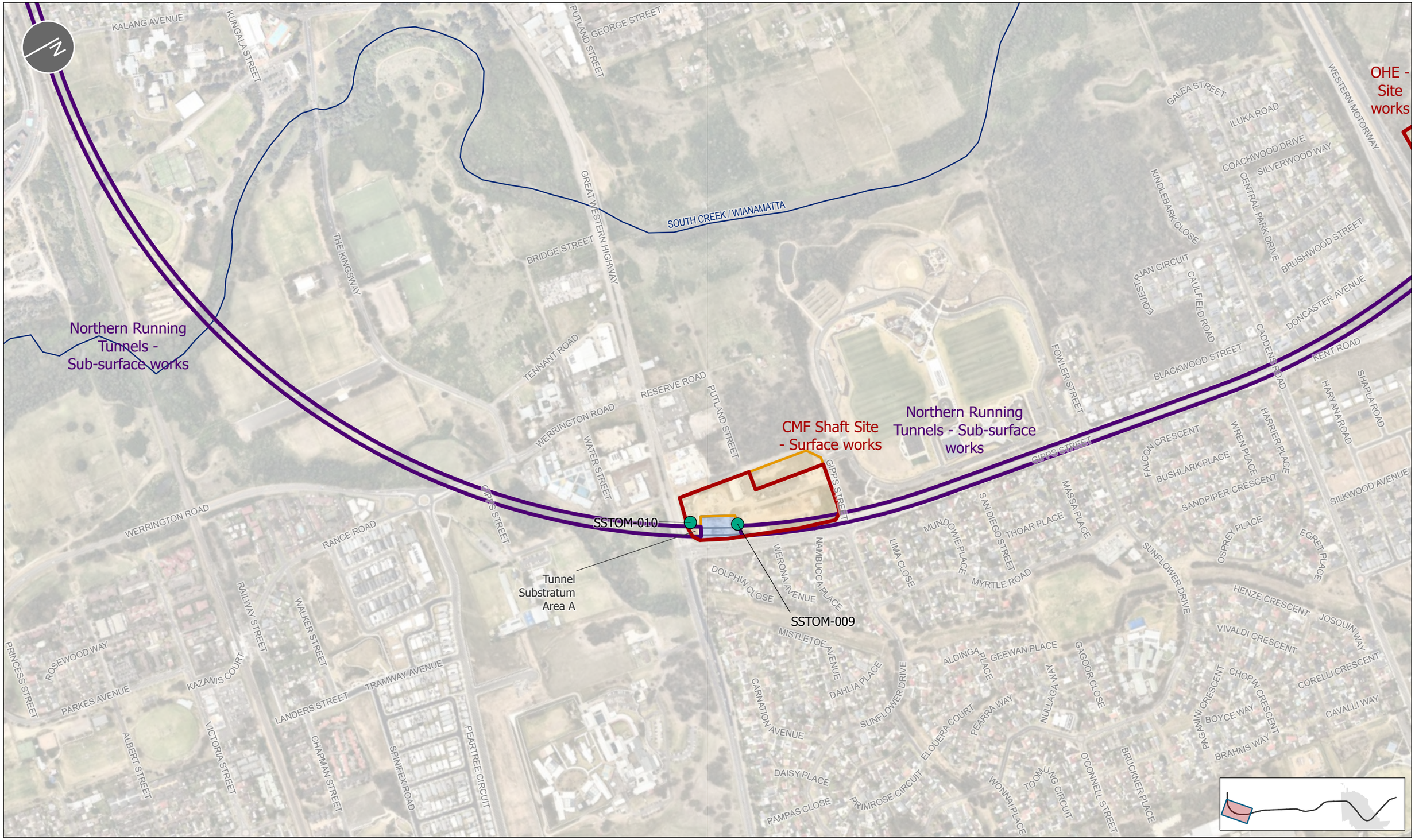
TABLE 9 WATER DISCHARGE TABLE

| 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-14 | Sediment Basin | Discharge into stabilised spillway | 23/01/2026 | PMJV-ENV-DWP-129 | Not Visible | 7.73 | 36.1 |

# Appendix D Surface water monitoring

No surface water monitoring was conducted for this month's monitoring report. Any surface water monitoring conducted as part of Parklife Metro's EPL licence will be presented accordingly.

# Appendix E Premise Maps – January




LEGEND

Discharge Points
- Temporary Sediment Basin

EPL Premise Boundary
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

Site Access Schedule
- Project Site
- Substratum
- Temporary Area

Parklife Metro D&C

NOTES
EPL Premise Boundary Map

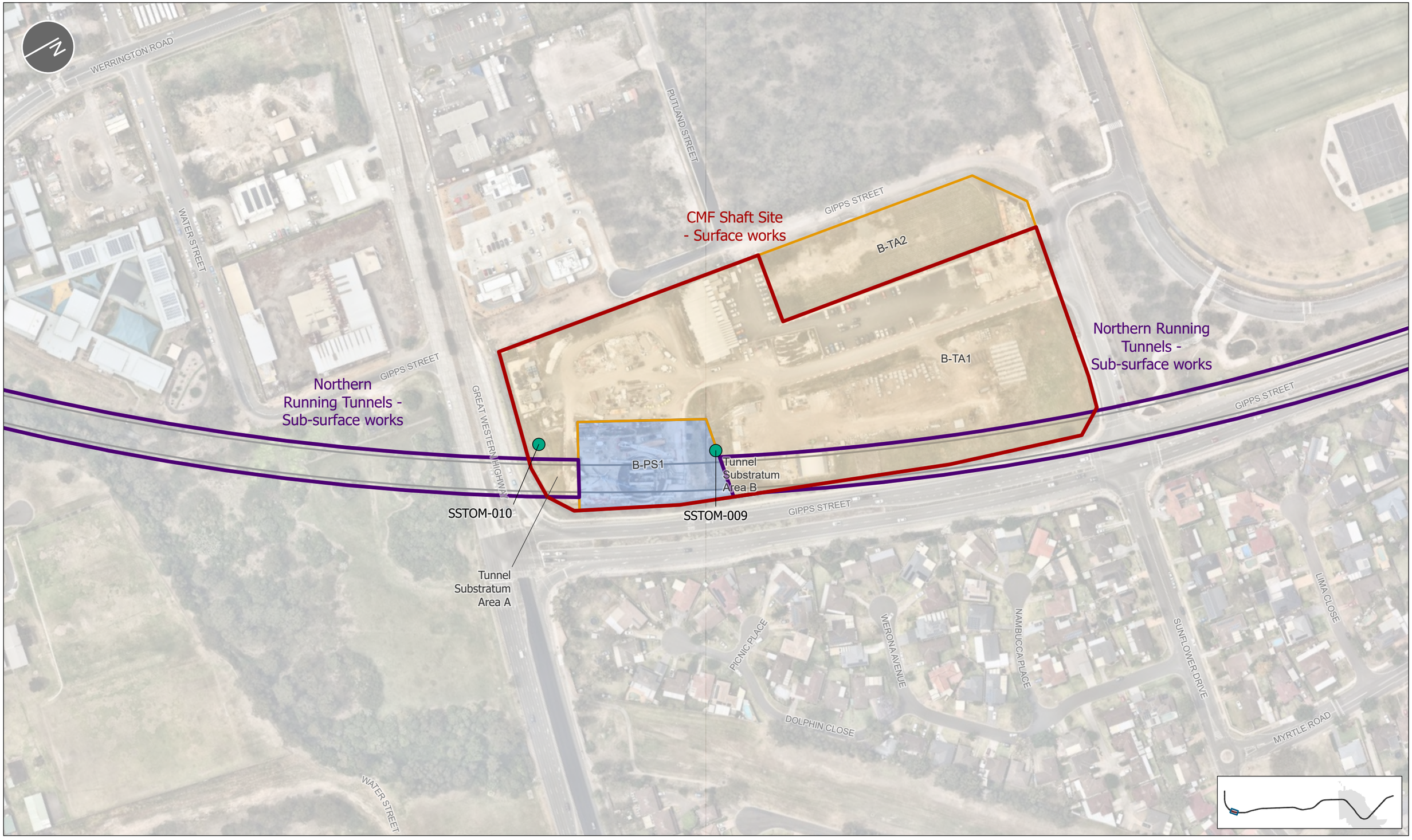
| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
| 44 | 28.10.2025 | Premise Map update |
| 45 | 04.11.2025 | Premise Map update |
| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY
PROJECT: Sydney Metro – Western Sydney Airport - SSTOM
CLIENT: Sydney Metro

0 140 280m

SCALE: 1:7,500 A3
DRAWN BY:
APPROVED:
MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48
REV: 48
SHEET: 2 of 12
COORDINATE SYSTEM: GDA2020 MGA Zone 56
REVIEW:
DATE: 16/01/2026

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx




LEGEND

Discharge Points
- Temporary Sediment Basin

EPL Premise Boundary
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

Site Access Schedule
- Project Site
- Substratum
- Temporary Area

0 40 80m

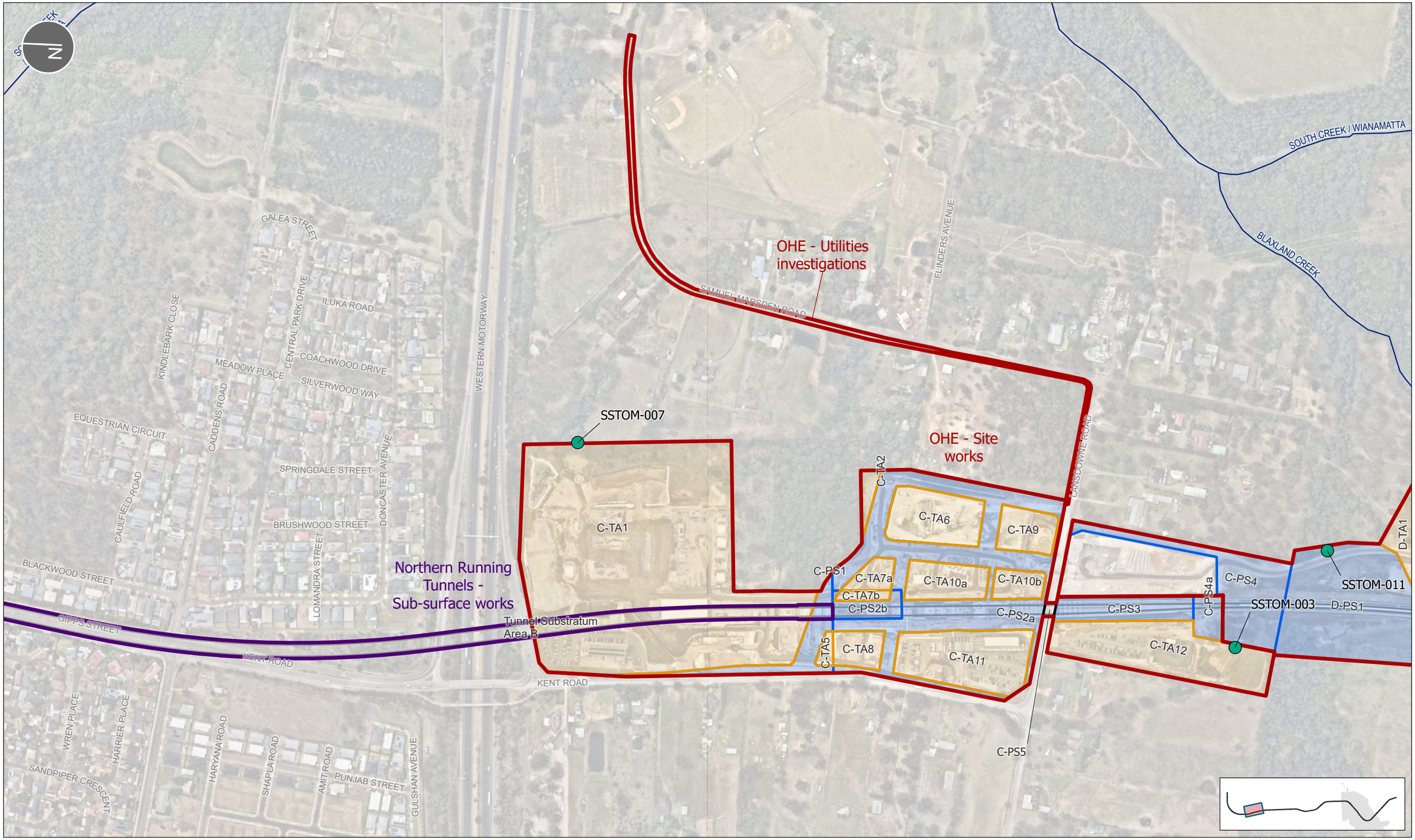
Parklife Metro D&C

NOTES
EPL Premise Boundary Map

| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
| 44 | 28.10.2025 | Premise Map update |
| 45 | 04.11.2025 | Premise Map update |
| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY
PROJECT: Sydney Metro – Western Sydney Airport - SSTOM
CLIENT: Sydney Metro
SCALE: 1:2,000
A3
DRAWN BY
APPROVED
MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48
REV: 48
SHEET: 3 of 12
COORDINATE SYSTEM: GDA2020 MGA Zone 56
REVIEW
DATE: 16/01/2026

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx




LEGEND

Discharge Points
- Temporary Sediment Basin

EPL Premise Boundary
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

Site Access Schedule
- Project Site
- Substratum
- Temporary Area

Parklife Metro D&C

NOTES
EPL Premise Boundary Map

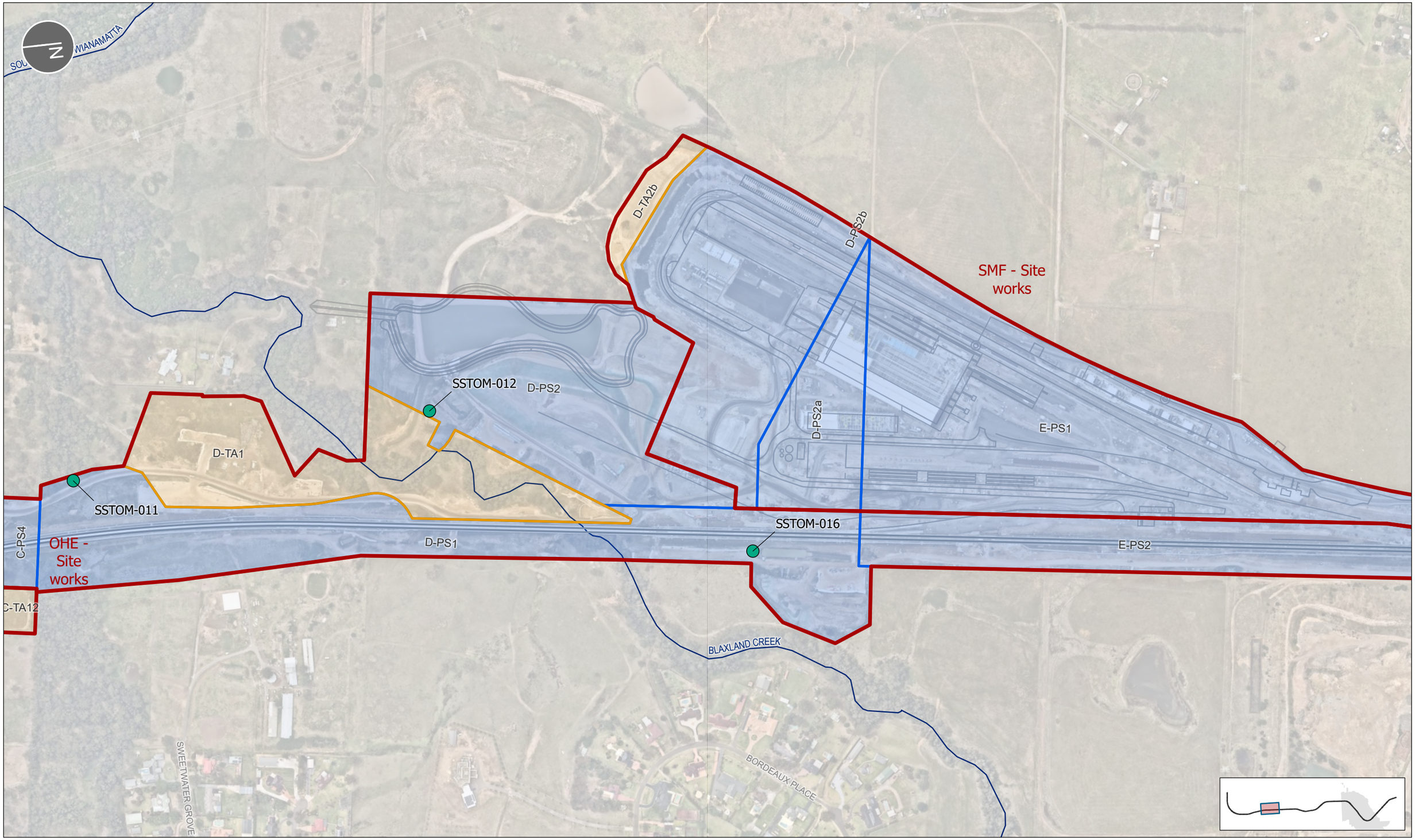
| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
| 44 | 28.10.2025 | Premise Map update |
| 45 | 04.11.2025 | Premise Map update |
| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY
PROJECT: Sydney Metro – Western Sydney Airport - SSTOM
CLIENT: Sydney Metro

0 100 200m

SCALE: 1:5,000 A3
DRAWN BY:
APPROVED:
MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48
REV: 48
SHEET: 4 of 12
COORDINATE SYSTEM: GDA2020 MGA Zone 56
REVIEW:
DATE: 16/01/2026

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx




LEGEND

Discharge Points
- Temporary Sediment Basin

EPL Premise Boundary
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

Site Access Schedule
- Project Site
- Temporary Area

Parklife Metro D&C

NOTES
EPL Premise Boundary Map

| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
| 44 | 28.10.2025 | Premise Map update |
| 45 | 04.11.2025 | Premise Map update |
| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY

PROJECT: Sydney Metro – Western Sydney Airport - SSTOM

CLIENT: Sydney Metro

0 100 200m

SCALE: 1:5,000 A3

DRAWN BY:

APPROVED:

MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48

REV: 48

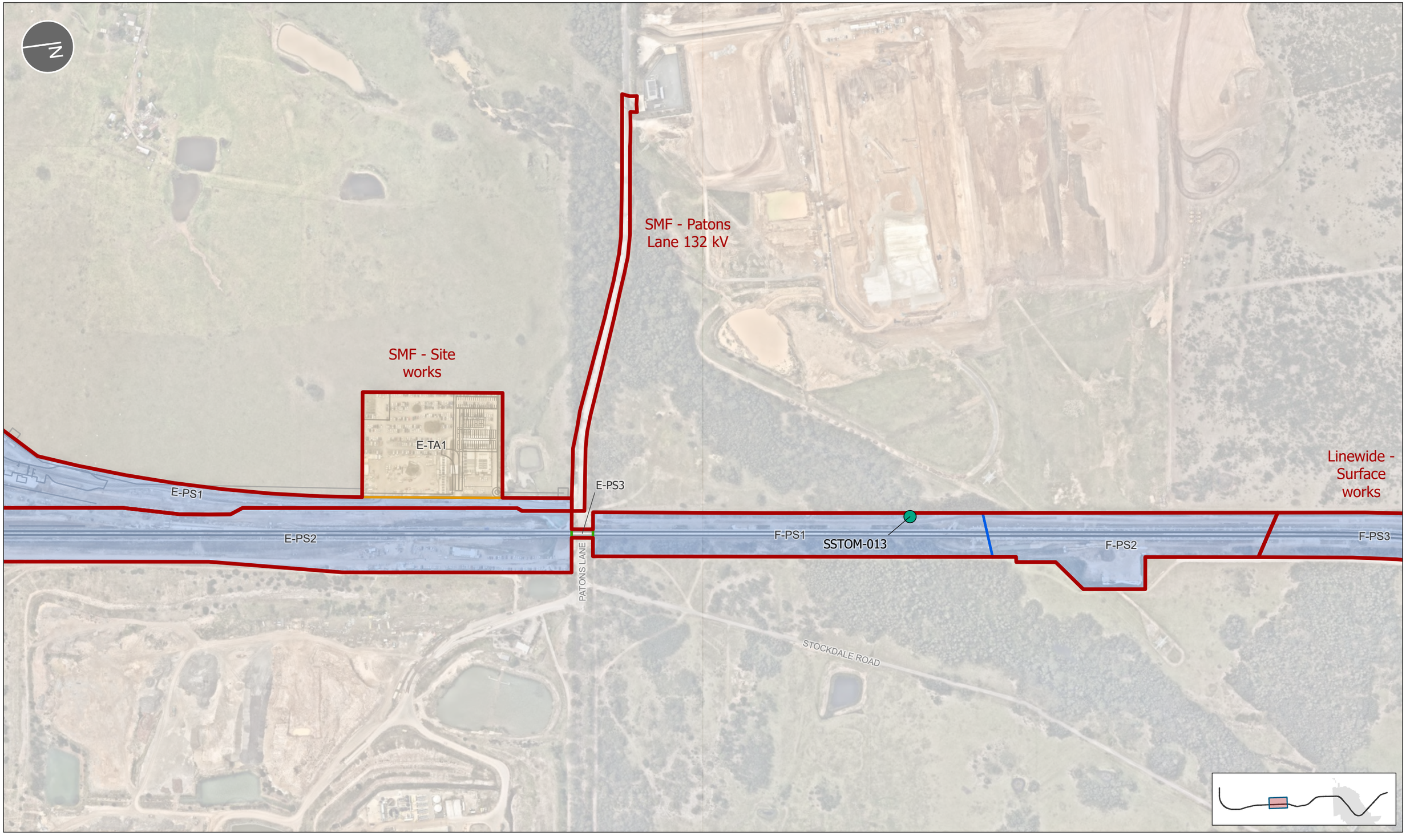
SHEET: 5 of 12

COORDINATE SYSTEM: GDA2020 MGA Zone 56

REVIEW:

DATE: 16/01/2026

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx




LEGEND

Discharge Points
- Temporary Sediment Basin

EPL Premise Boundary
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

Site Access Schedule
- Aerial Stratum
- Project Site
- Temporary Area

Parklife Metro D&C

NOTES
EPL Premise Boundary Map

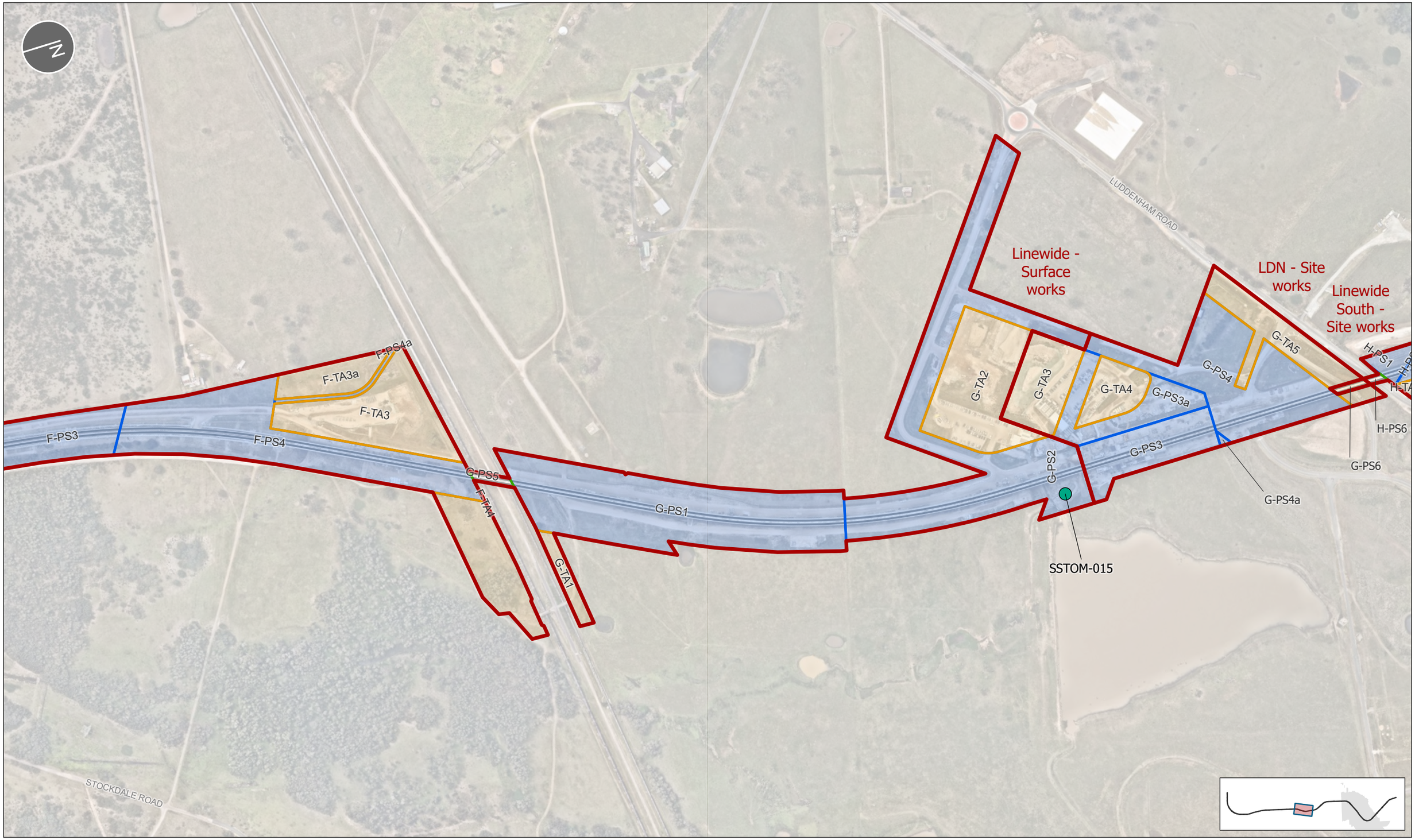
| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
| 44 | 28.10.2025 | Premise Map update |
| 45 | 04.11.2025 | Premise Map update |
| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY
PROJECT: Sydney Metro – Western Sydney Airport - SSTOM
CLIENT: Sydney Metro

0 100 200m

SCALE: 1:5,000 A3
DRAWN BY:
APPROVED:
MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48
REV: 48
SHEET: 6 of 12
COORDINATE SYSTEM: GDA2020 MGA Zone 56
REVIEW:
DATE: 16/01/2026

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx




LEGEND

**Discharge Points**
- Temporary Sediment Basin

**EPL Premise Boundary**
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

**Site Access Schedule**
- Aerial Stratum
- Project Site
- Temporary Area

Parklife Metro D&C

NOTES
EPL Premise Boundary Map

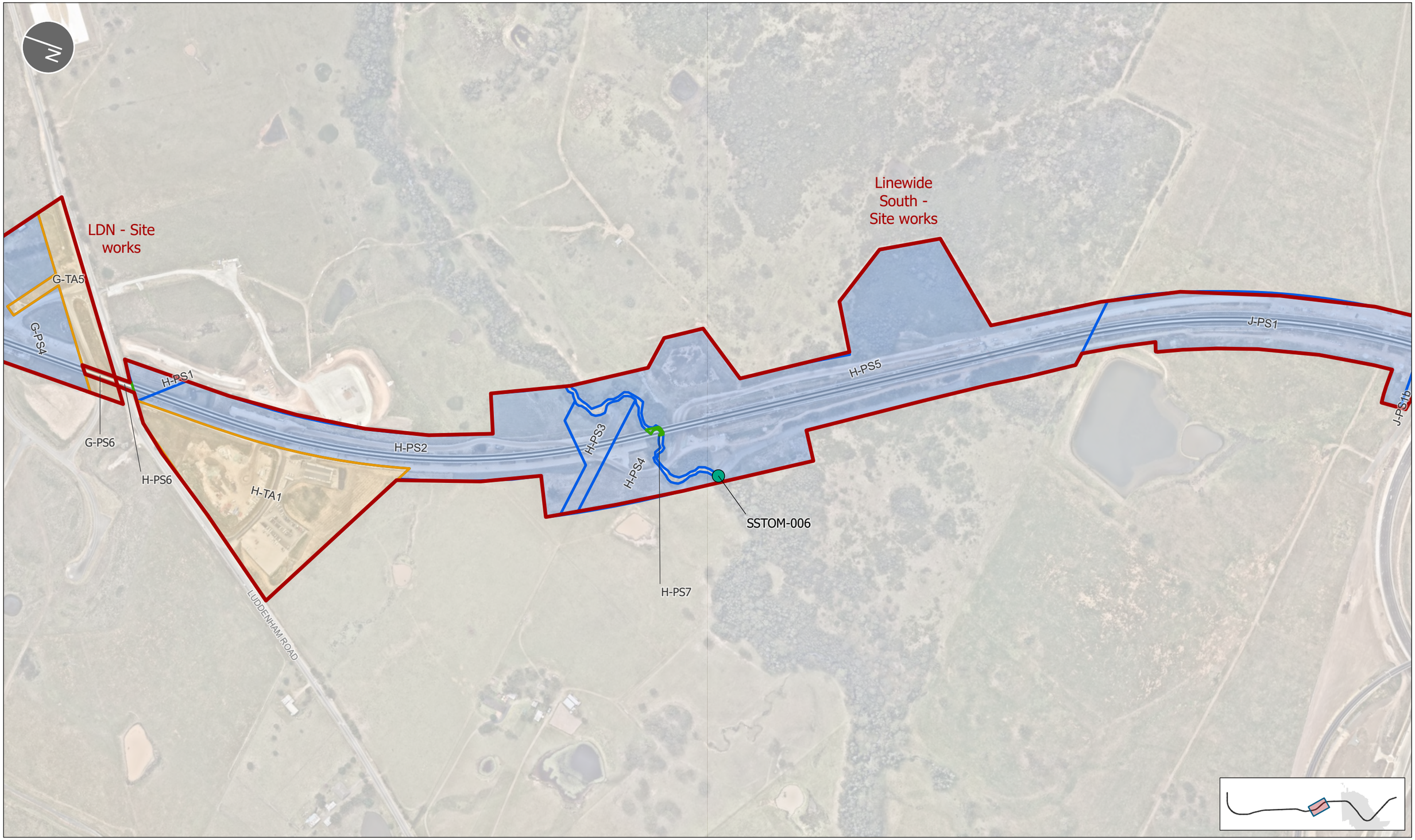
| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
| 44 | 28.10.2025 | Premise Map update |
| 45 | 04.11.2025 | Premise Map update |
| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY
PROJECT: Sydney Metro – Western Sydney Airport - SSTOM
CLIENT: Sydney Metro

0 100 200m

SCALE: 1:5,000 A3
DRAWN BY:
APPROVED:
MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48
REV: 48
SHEET: 7 of 12
COORDINATE SYSTEM: GDA2020 MGA Zone 56
REVIEW:
DATE: 16/01/2026

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx




LEGEND

Discharge Points
- Temporary Sediment Basin

EPL Premise Boundary
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

Site Access Schedule
- Aerial Stratum
- Project Site
- Temporary Area

Parklife Metro D&C

NOTES
EPL Premise Boundary Map

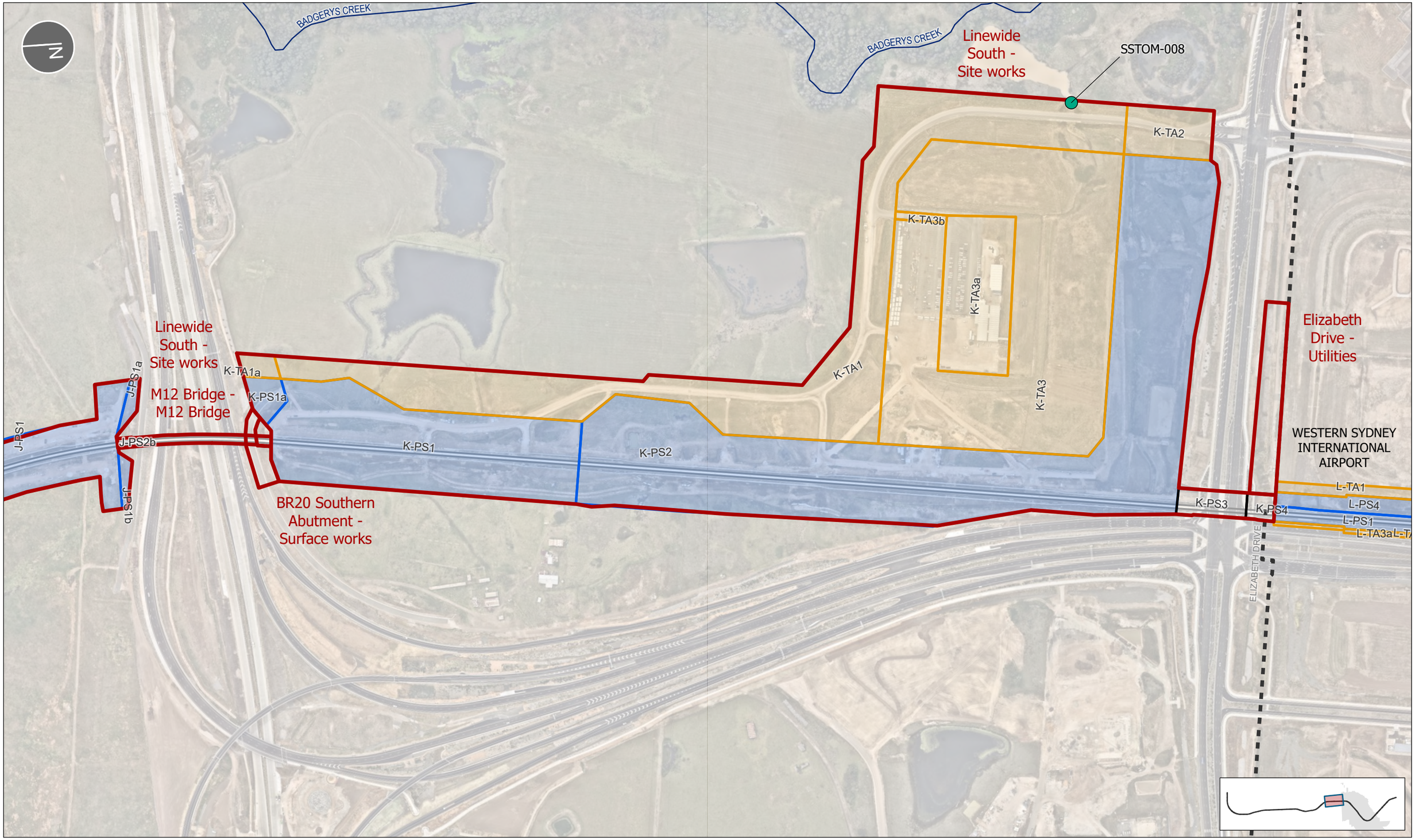
| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
| 44 | 28.10.2025 | Premise Map update |
| 45 | 04.11.2025 | Premise Map update |
| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY
PROJECT: Sydney Metro – Western Sydney Airport - SSTOM
CLIENT: Sydney Metro

0 100 200m

SCALE: 1:5,000 A3
DRAWN BY:
APPROVED:
MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48
REV: 48
SHEET: 8 of 12
COORDINATE SYSTEM: GDA2020 MGA Zone 56
REVIEW BY:
DATE: 16/01/2026

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx




LEGEND

Discharge Points
- Temporary Sediment Basin

EPL Premise Boundary
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

Site Access Schedule
- Aerial Stratum
- Project Site
- Substratum

- Temporary Area

Parklife Metro D&C

NOTES
EPL Premise Boundary Map

| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
| 44 | 28.10.2025 | Premise Map update |
| 45 | 04.11.2025 | Premise Map update |
| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY

PROJECT: Sydney Metro – Western Sydney Airport - SSTOM

CLIENT: Sydney Metro

0 100 200m

SCALE: 1:5,000 A3

WN BY

ROVED

SHEET: 9 of 12

COORDINATE SYSTEM: GDA2020 MGA Zone 56

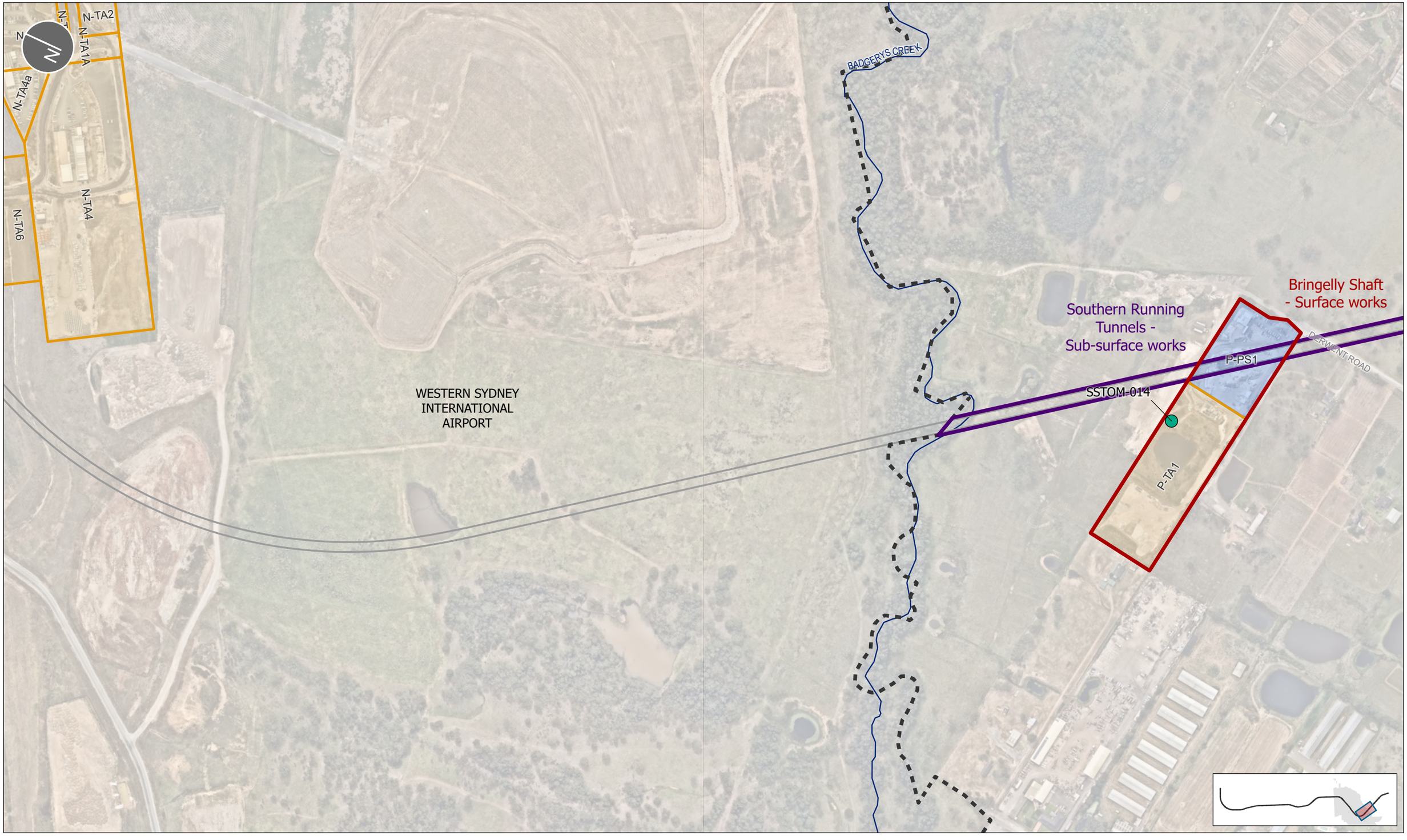
EW

DATE: 16/01/2026

MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48

REV: 48

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx




LEGEND

Discharge Points
- Temporary Sediment Basin

EPL Premise Boundary
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

Site Access Schedule
- Project Site
- Temporary Area

Parklife Metro D&C

NOTES
EPL Premise Boundary Map

| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
| 44 | 28.10.2025 | Premise Map update |
| 45 | 04.11.2025 | Premise Map update |
| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY

PROJECT: Sydney Metro – Western Sydney Airport - SSTOM

CLIENT: Sydney Metro

0 100 200m

SCALE: 1:5,000 A3

WN BY

ROVED

SHEET: 10 of 12

COORDINATE SYSTEM: GDA2020 MGA Zone 56

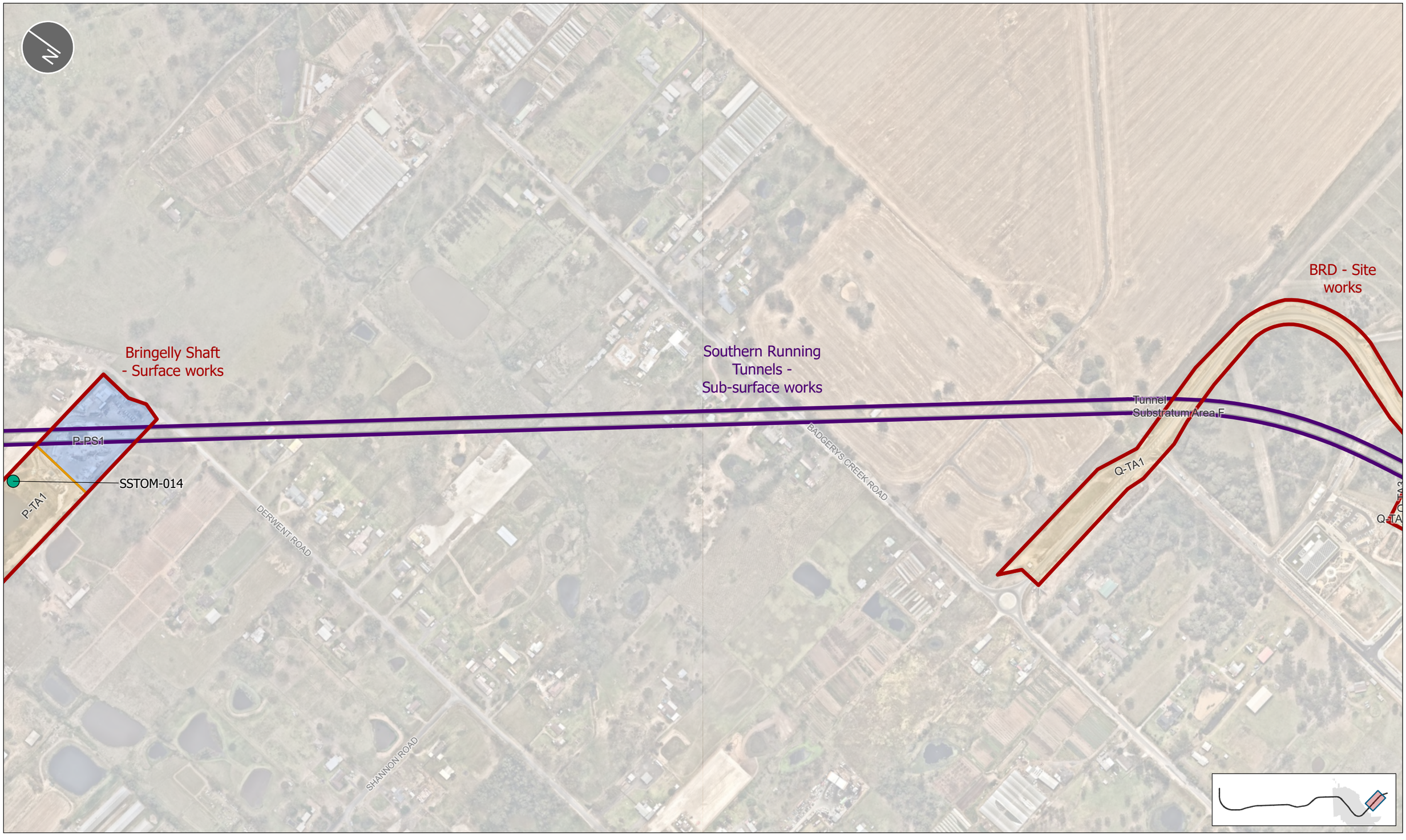
EW

DATE: 16/01/2026

MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48

REV: 48

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx




LEGEND

Discharge Points
- Temporary Sediment Basin

EPL Premise Boundary
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

Site Access Schedule
- Project Site
- Substratum
- Temporary Area

Parklife Metro D&C

NOTES
EPL Premise Boundary Map

| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
| 44 | 28.10.2025 | Premise Map update |
| 45 | 04.11.2025 | Premise Map update |
| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY

PROJECT: Sydney Metro – Western Sydney Airport - SSTOM

CLIENT: Sydney Metro

0 100 200m

SCALE: 1:5,000 A3

DRAWN BY:

APPROVED:

MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48

REV: 48

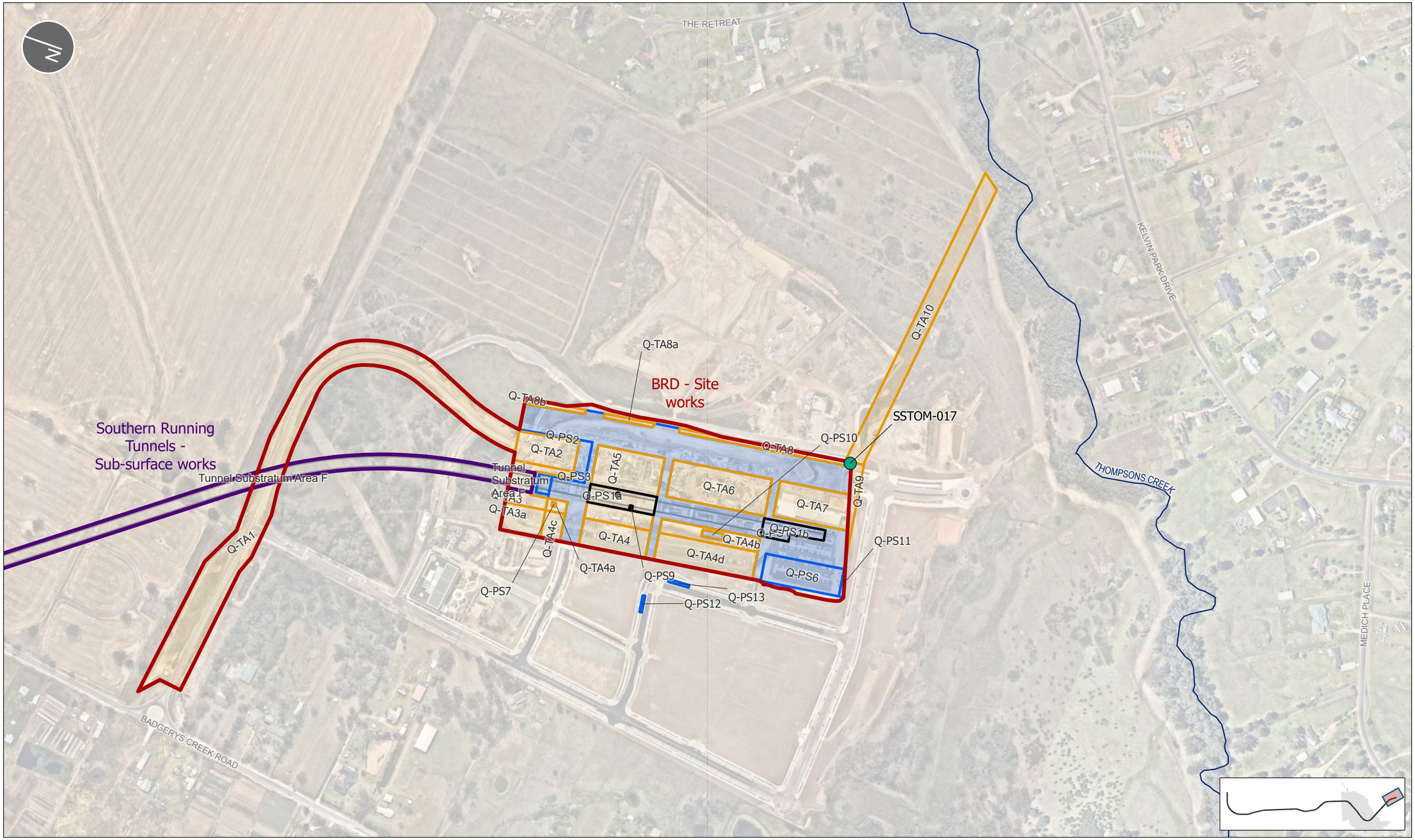
SHEET: 11 of 12

COORDINATE SYSTEM: GDA2020 MGA Zone 56

REVIEW:

DATE: 16/01/2026

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx




LEGEND

Discharge Points
- Temporary Sediment Basin
- Water Treatment Plant

EPL Premise Boundary
- Surface works
- Sub-surface works

- Metro alignment
- Watercourse
- Western Sydney International boundary (WSP)

Site Access Schedule
- Project Site
- Substratum
- Temporary Area

Parklife Metro D&C

NOTES
EPL Premise Boundary Map

| REV | DATE | DESCRIPTION |
|---|---|---|
| 43 | 08.10.2025 | Premise Map update |
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| 46 | 17.11.2025 | Premise Map update |
| 47 | 05.12.2025 | Premise Map update |
| 48 | 16.01.2026 | Premise Map update |

TITLE: EPL 21807 PREMISE BOUNDARY
PROJECT: Sydney Metro – Western Sydney Airport - SSTOM
CLIENT: Sydney Metro

0 100 200m

SCALE: 1:5,000 A3
DRAWN BY:
APPROVED:
MAP #: SMWSASSM-PLD-1NL-ENV-GIS-000001_48
REV: 48
SHEET: 12 of 12
COORDINATE SYSTEM: GDA2020 MGA Zone 56
VIEW:
DATE: 16/01/2026

GIS MAP file : SSTOM_ENV_EPL | C:\Live_Projects\sstom_gis\a_current\maps\Environment\SSTOM_ENV_EPL.aprx