



Amended Works Approval

Works approval number	W6727/2022/1	
Works approval holder	Strike South West Pty Ltd	
ACN	118 251 497	
Registered business address	Level 2, 66 Kings Park Road WEST PERTH WA 6005	
DWER file number	DER2022/000328	
Duration	21/02/2023 to	20/02/2026
Date of issue	21/02/2023	
Date of amendment	18/02/2025	
Premises details	Walyering Processing Facility Brand Highway CATABY WA 6507 Legal description – Part of Petroleum Production Licence L23 As shown in the Map in Schedule 1 and defined by the coordinates in Schedule 2	

Prescribed premises category description (Schedule 1, Environmental Protection Regulations 1987)	Assessed design capacity
Category 10: Oil or gas production from wells: premises, whether on land or offshore, on which crude oil, natural gas or condensate is extracted from below the surface of the land or the seabed, as the case requires, and is treated or separated to produce stabilised crude oil, purified natural gas or liquefied hydrocarbon gases.	250,000 tonnes per year of natural gas (export) 30 terajoules per day (export)

This amended works approval is granted to the works approval holder, subject to the attached conditions, on 18 February 2025, by:

Manager, Process Industries

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Works approval history

Date	Reference number	Summary of changes
21/02/2023	W6727/2022/1	Works approval granted
04/04/2024	W6727/2022/1	Amendment to extend time limited operations.
18/02/2025	W6727/2022/1	Works approval expiry extended until 20 February 2026

Interpretation

In this works approval:

- (a) the words 'including', 'includes' and 'include' in conditions mean 'including but not limited to', and similar, as appropriate;
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a condition, each row in a table constitutes a separate condition;
- (d) any reference to an Australian or other standard, guideline or code of practice in this works approval:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

Construction phase

Infrastructure and equipment

1. The works approval holder must:
 - (a) construct the infrastructure;
 - (b) in accordance with the corresponding design and construction requirements; and
 - (c) at the corresponding infrastructure location,
 as set out in Table 1.

Table 1: Design and construction requirements

	Infrastructure	Design and construction requirements	Infrastructure location
Stage 1 infrastructure			
1	Gas processing infrastructure including: <ul style="list-style-type: none"> – Slug catcher – Gas/gas exchanger – Low temperature separator – Condensate flash vessel – Vent knock out drum – Export gas filter 	<ul style="list-style-type: none"> • The slug catcher, low temperature separator, condensate flash vessel and vent knock out drum must be located within concrete bunds. • The concrete bunds must be installed with at least one lockable drain valve. • The condensate flash vessel outlet must be fitted with a measurement system capable of continuously measuring the mass flow rate of gas vented to the cold vent stack. • A programmable logic controller (PLC) must be installed for operation and monitoring of the production facility. • The PLC must be programmed to respond to emergency shut-down signals from the production facility and the Perth Operations Centre. • A local emergency shut-down button must be installed for the processing infrastructure. • The gas processing infrastructure must be hydrotested and nitrogen purged prior to commissioning. 	2, 3, 4, 5, 6 and 7 as depicted in the 'Infrastructure map' in Schedule 1 Figure 2
2	Methanol and corrosion inhibitor storage	<ul style="list-style-type: none"> • A concrete bunded area that complies with the requirements of section 5.8 of AS 1940 must be constructed for the purpose of methanol and corrosion inhibitor storage. • The concrete bunded area must be installed with at least one lockable drain valve. 	'10' and '11' as depicted in the 'Infrastructure map' in Schedule 1 Figure 2
3	Cold vent stack	<ul style="list-style-type: none"> • A cold vent stack for blowdown and continuous purge must be installed which is connected to the condensate flash vessel and has a minimum height of 5 metres above the as-built ground level. 	'9' as depicted in the 'Infrastructure map' in Schedule 1 Figure 2

	Infrastructure	Design and construction requirements	Infrastructure location
4	Produced water storage. – 2 x 70 m ³ storage tanks – 2 x transfer pumps	<ul style="list-style-type: none"> Tanks must be enclosed and have a minimum working capacity of 70 m³ each. Tanks must be self-bunded or alternatively must be located within a concrete bund with capacity to contain not less than 110% of the volume of one storage tank. Water transfer hoses must have dry break couplings. 	NA
5	Condensate storage – 2 x 110 m ³ storage tanks – 2 x transfer pumps	<ul style="list-style-type: none"> Storage tanks must be enclosed and have a minimum working capacity of 110 m³ each; Storage tanks must have integral secondary containment that complies with the requirements of section 5.9 of AS 1940. Storage tanks must be installed within a concrete and HDPE lined containment bund constructed in accordance with the design in Schedule 1 Figure 3. The containment bund must be installed with at least one lockable drain valve. Storage tanks must be fitted with high and high-high level sensors which activate a shut off valve when triggered. Condensate transfer system must be installed with an automatic cut-off valve. 	'13' and '14' as depicted in the 'Infrastructure map' in Schedule 1 Figure 2
6	Weather monitoring station	<ul style="list-style-type: none"> A Vantage Pro 2 weather monitoring station must be installed on the premises which is capable of continuously measuring the following parameters at a minimum height of five metres above ground level: <ul style="list-style-type: none"> wind speed in m/s; and wind direction in degrees. The weather monitoring station must be established with suitable telecommunication means such that it is capable of being monitored from the Perth Operations Centre. 	Within the premises boundary indicated in the Premises map in Schedule 1 Figure 1 in a flat open area substantially free of obstructions where the anemometer is distant from any obstruction by at least ten times the height of the obstruction.
Stage 2 infrastructure			
7	Water treatment system	<ul style="list-style-type: none"> Must be self bunded or alternatively must be located within a concrete bund. 	NA

Compliance audit and reporting

- The works approval holder must within 30 calendar days of all items of infrastructure being constructed for each of Stage 1 and Stage 2 specified in condition 1:
 - undertake an audit of their compliance with the requirements of condition 1 for all items of infrastructure in the respective stage; and
 - prepare and submit to the CEO an Environmental Compliance Report on that compliance.
- The Environmental Compliance Report required by condition 2, must include as a minimum:

- (a) certification by a suitably qualified engineer, whether or not the items of infrastructure or components thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;
- (b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1; and
- (c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Environmental commissioning phase

Environmental commissioning requirements

4. The works approval holder may only commence environmental commissioning of the Stage 1 infrastructure once the respective Environmental Compliance Report required by condition 2 has been submitted by the works approval holder.
5. The works approval holder may conduct environmental commissioning for the Stage 1 infrastructure and equipment specified in condition 1 for a period not exceeding 10 calendar days.
6. The works approval holder must notify the CEO:
 - (a) at least 7 days prior to, the commencement date of environmental commissioning; and
 - (b) within 7 days after, the completion date of environmental commissioning.

Authorised emission points to air

7. During environmental commissioning, the works approval holder must ensure the emissions listed in Table 2 are only emitted from the corresponding emission point and location specified in that table.

Table 2: Authorised emission points to air

Emission	Emission point	Minimum stack height (m AGL)	Emission point location ¹
Process gas (includes VOCs -BTEX)	Cold vent – A1	5	'9' as depicted in the 'Infrastructure map' in Schedule 1 Figure 2

Infrastructure and equipment

8. During environmental commissioning, the works approval holder must ensure the premises infrastructure listed in Table 3 is maintained and operated in accordance with the corresponding operational requirements set out in Table 3.

Table 3: Infrastructure requirements during environmental commissioning and time limited operations

	Site infrastructure	Operational requirement
1	Gas processing infrastructure	<ul style="list-style-type: none"> • All containment bunds must be maintained: <ul style="list-style-type: none"> – in a fit for purpose condition for containing liquids and free of cracks or damage; and – with capacity to contain not less than 110% of the volume of the largest storage vessel or 25% of the total storage volume if multiple storage vessels occur within the bund; and – with drain valves locked unless they are in use. • The gas processing infrastructure must be operated with continuous monitoring via a PLC programmed to respond to signals from the production facility and the Perth Operations Centre. • Facility blowdown must not be initiated when the wind direction, measured in accordance with condition 10 or 18 is between 160-200°, or 250-335°.
2	Cold vent stack and Condensate flash vessel	<ul style="list-style-type: none"> • The condensate flash vessel must be operated with a measurement system that is maintained to continuously measure the mass flow rate of gas vented from the vessel outlet to the cold vent stack. • The mass flow rate of gas vented from the cold vent during commissioning periods and blow-down events must be manually calculated based on total facility capacity and time taken to blowdown.
3	Methanol and corrosion inhibitor storage and Shed/Chemical store	<ul style="list-style-type: none"> • All hydrocarbons and chemicals must be stored within a containment bund or chemical storage cabinet. • All containment bunds must be maintained: <ul style="list-style-type: none"> – in a fit for purpose condition for containing liquids and free of cracks or damage; – with capacity to contain not less than 110% of the volume of the largest storage vessel or 25% of the total storage volume if multiple storage vessels occur within the bund; and – with drain valves, where present, locked unless they are in use.
4	Produced water storage tanks	<ul style="list-style-type: none"> • Produced water must be stored in the Produced water storage tanks. • Dry break couplings must be used when transferring produced water from storage to tankers for offsite disposal. • Tanks must be operated with a high-level alarm and a high-high level sensor which activate a shut off valve when triggered. • Containment bund must be maintained in a fit for purpose condition with capacity to contain not less than 110% of the volume of one storage tank.
5	Condensate storage	<ul style="list-style-type: none"> • The containment bund must be maintained: <ul style="list-style-type: none"> – in a fit for purpose condition for containing liquids and free of cracks or damage; – with capacity to contain not less than 110% of the volume of one condensate storage tank; and with drain valves locked unless they are in use. • Condensate storage tanks must be operated with high and high-high level sensors. • The condensate storage tank high-high level sensors must activate a shut off valve when triggered. • The condensate transfer system must be operated with an automatic cut-off valve.
6	Weather	<ul style="list-style-type: none"> • The weather monitoring station must be operated with a

Site infrastructure	Operational requirement
monitoring station	<p>telecommunication system that allows monitoring data generated to be viewed and responded to by the Perth Operations Centre.</p> <ul style="list-style-type: none"> The weather monitoring station must be maintained and calibrated in accordance with the manufacturer's specifications.

Emission monitoring

9. The works approval holder must monitor emissions during environmental commissioning in accordance with the requirements specified in Table 4 and record the results of all such monitoring.

Table 4: Monitoring of discharges to air

Emission point	Monitoring location	Parameter	Frequency ¹	Averaging period	Unit	Method
Cold vent '9' in the 'Infrastructure map' in Schedule 1 Figure 2	Condensate flash vessel outlet '5' in the 'Infrastructure map' in Schedule 1 Figure 2	Mass flow rate	Continuous	hourly	kg/hr or g/s	None specified

NOTE 1: If the mass flow rate exceeds the scale of the measurement system during commissioning or blow-down events the mass flow rate must be manually calculated for the event.

Meteorological monitoring

10. The works approval holder must monitor the ambient meteorological conditions at the premises during environmental commissioning in accordance with the requirements specified in Table 5 and record the results of all such monitoring.

Table 5 Monitoring of meteorological conditions

Monitoring location	Parameter	Units	Minimum monitoring height (m AGL)	Frequency	Averaging period	Sampling Method
Weather monitoring station located on the premises	Wind speed	m/s	10 m	Continuous	1 hour	None specified
	Wind direction	degrees				

Environmental commissioning report

11. The works approval holder must, within 30 calendar days of the completion of environmental commissioning, submit to the CEO an Environmental Commissioning Report.
12. The works approval holder must ensure the report required by condition 11, includes as a minimum:
- a summary of environmental commissioning activities undertaken, including timeframes, the duration of venting events, the volume of gas vented from the cold

- vent during each venting event, and the wind direction and speed during each venting event;
- (b) a summary of the environmental performance of all items of infrastructure as constructed or installed;
- (c) a review of the works approval holder's performance and compliance against the conditions of the works approval; and
- (d) where conditions of this works approval have not been met, the measures that are proposed to meet them and the timeframes required to implement those measures.

Time limited operational phase

Commencement and duration

13. The works approval holder may only commence time limited operations when the Environmental Commissioning Report required by condition 11 has been submitted to the CEO.
14. The works approval holder may conduct time limited operations for the infrastructure and equipment specified in condition 1:
 - (a) for a period not exceeding 90 calendar days from the day the works approval holder meets the requirements of condition 11; or
 - (a) until such time as a licence is granted in accordance with Division 3, Part V of the *Environmental Protection Act 1986*.

Emissions, operational requirements and monitoring

15. During time limited operations, the works approval holder must ensure the emissions listed in Table 2 are only emitted from the corresponding emission point and location specified in that table.
16. During time limited operations, the works approval holder must ensure the premises infrastructure listed in Table 3 is maintained and operated in accordance with the corresponding operational requirements set out in Table 3.
17. The works approval holder must monitor emissions during time limited operations in accordance with the requirements specified in Table 4 and record the results of all such monitoring.
18. The works approval holder must monitor the ambient meteorological conditions at the premises during time limited operations in accordance with the requirements specified in Table 5 and record the results of all such monitoring.

Time limited operations report

19. The works approval holder must submit to the CEO a report on the time limited operations within 30 calendar days of the completion date of time limited operations:
20. The works approval holder must ensure the report required by condition 15, must include as a minimum:
 - (a) a summary of time limited operations, including timeframes, the amount of gas produced, the number of blowdown events, the volume and mass flow rate of gas vented from the cold vent during each blowdown event, and the wind direction and speed during each blowdown event;
 - (b) the results of monitoring conducted in accordance with conditions 17 and 18.
 - (c) a summary of the environmental performance of all items of infrastructure as constructed or installed;

- (d) a review of the works approval holder's performance and compliance against the conditions of the works approval; and
- (e) where conditions of this works approval have not been met, the measures that are proposed to meet them and the timeframes required to implement those measures.

Records and reporting (general)

- 21.** The works approval holder must record the following information in relation to complaints received by the works approval holder (whether directly from a complainant or forwarded to them by the department or another party) about any alleged emissions from the premises:
 - (a) the name and contact details of the complainant (if provided);
 - (a) the time and date of the complaint;
 - (b) the complete details of the complaint and any other concerns or issues raised; and
 - (c) the complete details and dates of action(s) taken by the works approval holder to investigate or respond to any complaint.
- 22.** The works approval holder must maintain accurate and auditable books including the following records, information, reports and data required by this works approval:
 - (a) the works conducted in accordance with condition 1;
 - (b) any maintenance of infrastructure that is performed in the course of complying with condition 8 or 16;
 - (c) monitoring programmes undertaken in accordance with conditions 9, 10, 17 and 18; and
 - (d) complaints received under condition 21.
- 23.** The books specified under condition 22 must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;
 - (c) be retained by the works approval holder for the duration of the works approval; and
 - (d) be available to be produced to an inspector or the CEO as required.

Definitions

In this works approval, the terms in Table 6 have the meanings defined.

Table 6: Definitions

Term	Definition
m AGL	means metres above ground level
AS 1940	means the most recent version and relevant parts of the Australian Standard AS 1940 <i>The storage and handling of flammable and combustible liquids</i>
AS 3580.14	means the most recent version and relevant parts of the Australian Standard AS 3580.14 <i>Methods for sampling and analysis of ambient air – Meteorological monitoring for ambient air quality monitoring applications</i>
AS/NZS 3833	means the most recent version and relevant parts of the Australian and New Zealand Standard AS/NZS 3833 <i>The storage and handling of mixed classes of dangerous goods, in packages and intermediate bulk containers</i>
blowdown	Venting of the whole or part of the gas plant gas inventory for environmental commissioning, emergency or maintenance purposes.
Books	has the same meaning given to that term under the EP Act
BTEX	means the volatile organic compounds benzene, toluene, ethylbenzene and xylene
CEO	means Chief Executive Officer of the Department CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 JOONDALUP DC WA 6919 info@dwer.wa.gov.au
condition	means a condition to which this works approval is subject under s.62 of the EP Act
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act
discharge	has the same meaning given to that term under the EP Act
emission	has the same meaning given to that term under the EP Act
environmental commissioning	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications.
Environmental Commissioning Report	means a report on any commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment and other environmental factors
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure has been constructed in accordance with the works approval
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	Environmental Protection Regulations 1987 (WA)
HDPE	means high-density polyethylene

premises	the premises to which this works approval applies, as specified at the front of this works approval and as shown on the map in Schedule 1 to this works approval
prescribed premises	has the same meaning given to that term under the EP Act
Produced Water	means water that is separated from the process gas during the processing of natural gas
Perth Operations Centre	means the location in Perth, Western Australia where the gas processing infrastructure is remotely operated and monitored from.
suitably qualified engineer	means a person who holds a tertiary academic qualification in engineering and has a minimum five years of experience working in the area of civil / construction engineering or mechanical
time limited operations	means operation of the infrastructure identified under this works approval that is authorised for that purpose, subject to the relevant conditions
VOCs	means Volatile organic compounds
works approval	refers to this document, which evidences the grant of the works approval by the CEO under s.54 of the EP Act, subject to the conditions
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises (red line) is shown in the map below (Figure 1)

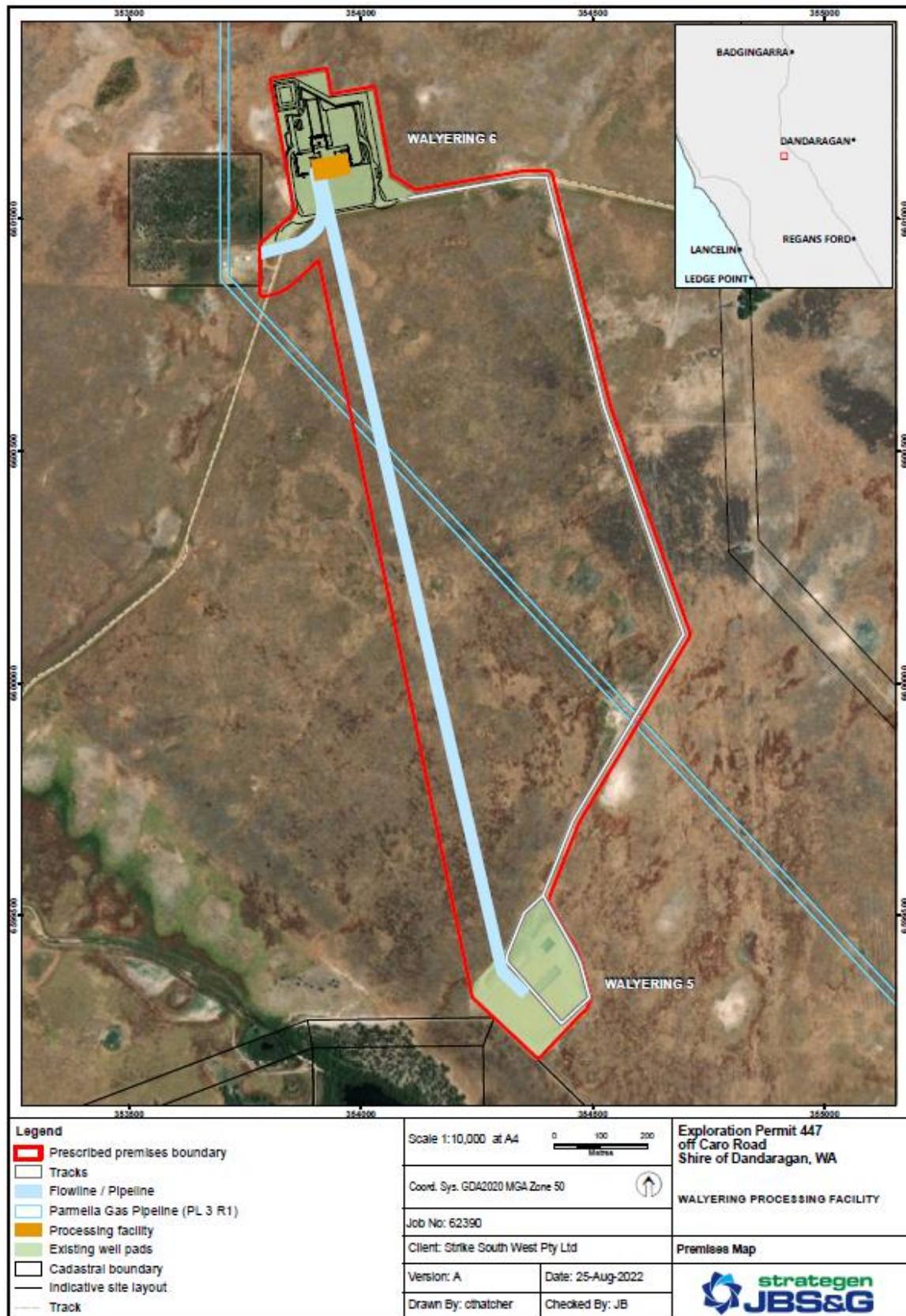


Figure 1: Map of the boundary of the prescribed premises

Infrastructure maps

The location of key infrastructure and emission points is shown in the map below (Figure 2).

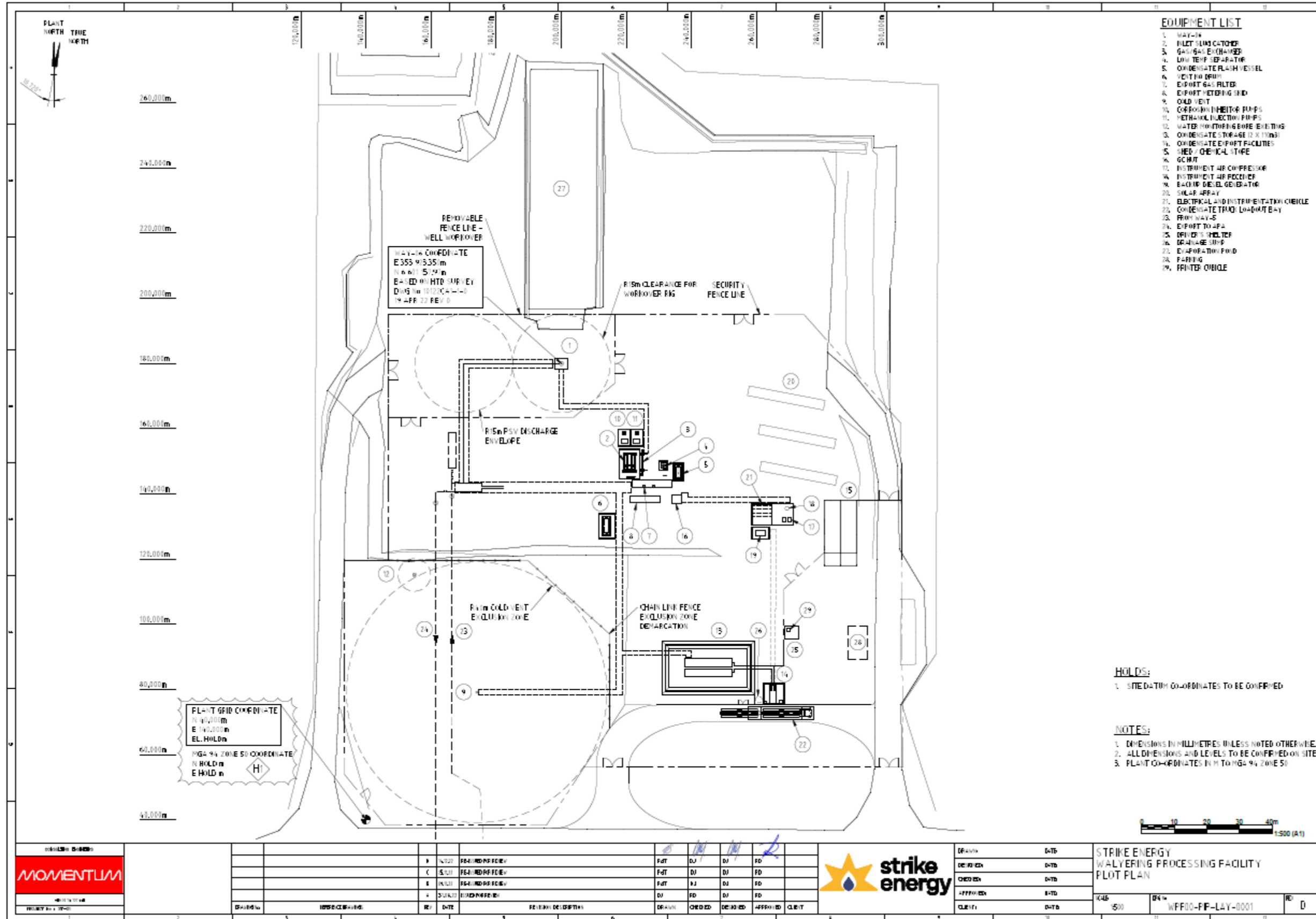


Figure 2: Infrastructure layout and emission point location plan

The design of the condensate storage bund is shown in the plan below (Figure 3).

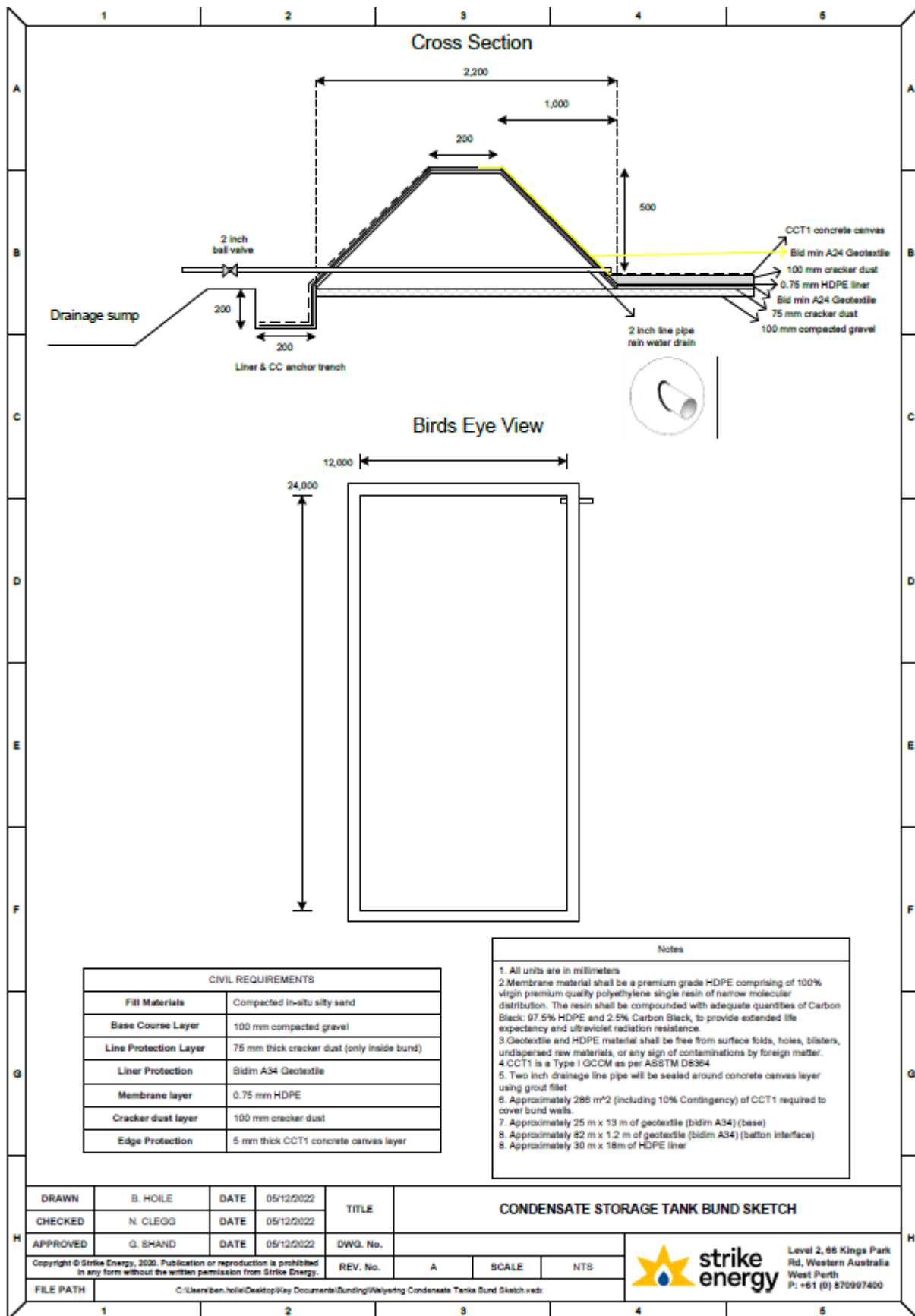


Figure 3: Condensate storage bund design

Schedule 2: Premises boundary coordinates

The premises boundary is defined by the coordinates below

Table 7: Premises boundary coordinates (GDA2020, MGA Zone 50)

Point	Easting	Northing	Point	Easting	Northing
1.	353804.5	6601300	14.	354385	6599552
2.	353921.7	6601323	15.	354473.1	6599420
3.	353936	6601267	16.	354491	6599324
4.	354026	6601284	17.	354498.6	6599314
5.	354064.1	6601094	18.	354381.9	6599190
6.	354117.7	6601061	19.	354240	6599321
7.	354404.3	6601100	20.	353908.3	6600909
8.	354490	6600713	21.	353828.3	6600842
9.	354525.9	6600630	22.	353784.3	6600832
10.	354599	6600563	23.	353781.4	6600944
11.	354640.6	6600173	24.	353857.9	6601013
12.	354605.4	6599925	25.	353856.9	6601019
13.	354419.8	6599645	26.	353853.9	6601023