Government of Western Australia
Department of Water and Environmental Regulation

Works Approval

Works approval number	W6610/2021/1
Works approval holder	Nationwide Oil Pty Ltd
ACN	066 383 364
Registered business address	Level 4, 441 St Kilda Road MELBOURNE VIC 3004
DWER file number	DER2021/000492
Duration	06/05/2022 to 06/05/2025
Date of amendment	24/11/2023
Premises details	Nationwide Oil Maddington 280 Kenwick Road MADDINGTON WA 6109 Legal description – Lot 801 On Deposited Plan 41305 Certificate of Title Volume 2978 Folio 451

Prescribed premises category description **(Schedule 1, Environmental Protection Regulations 1987)**	**Assessed production / design capacity**
Category 61: Liquid waste facility	25,000 tonnes per year
Category 62: Solid waste depot	10,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 24 November 2023, by:

Digitally signed by Jarrod Abrahams
Date: 2023.11.24 09:56:49 +08'00'

MANAGER WASTE INDUSTRIES

REGULATORY SERVICES

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

Works approval history

Date	Reference number	Summary of changes
06/05/2022	W6610/2021/1	Works approval granted.
23/08/2023	W6610/2021/1	End of time-limited operations period changed to 27 November 2023
24/11/2023	W6610/2021/1	Minor extension to TLO period – to 31 January 2024 (refer to Condition 5). No other changes made.

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 construct and/or install the infrastructure and/or equipment:

(a) in accordance with the corresponding design and construction / installation requirements;

(b) at the corresponding infrastructure location as set out in Table 1; and

(c) in accordance with the design drawings, as submitted with the application, referenced in Table 2.

Table 1: Design and construction / installation requirements

Infrastructure		Design and construction / installation requirements	Infrastructure location
1.	Workshop	• Spray booth - Designed, constructed, installed, and maintained in accordance with AS/NZS 4114.1.	As specified in Figure 2 of Schedule 1
2.	Bunded Warehouse	• Waste acceptance, storage and treatment areas to have bunded concrete floors as specified in Figure 2, Schedule 1. • All waste acceptance, storage and treatment areas to be impervious concrete hardstand and concrete bunded, with the concrete having a grade of N40 MPa. • Joints between concreted sections to be sealed. • All waste acceptance, storage, and treatment areas to be installed in covered warehouse. • Fixation pit/sump (10m x 3m) to be impervious concrete lined, with the concrete having a grade of N40 MPa. • Wastewater tank (volume of 45m^3).	As specified in Figure 2 of Schedule 1.
3.	Bunded Tank Farm	• Constructed in accordance with Figure 3, Schedule 1. • Comprise six total tanks, four 300 kL waste oil storage tanks and two 70 kL separated wastewater tanks totaling 1,340 kL volume, for the storage of liquid waste, hydrocarbons and treated wastewater. • Located within impervious concrete bunds and hardstand with capacity to contain 110% of the largest tank, with the concrete having a grade of N40 MPa.	As specified in Figure 3 of Schedule 1.

Infrastructure		Design and construction / installation requirements	Infrastructure location
		• Joints between concreted sections to be sealed. • Each tank will have a high level visual and audible alarm, and high-high alarm with automatic pump shutoff to prevent overflow. • Below ground wastewater pipework system from warehouse to tank bunded farm to be fitted with secondary containment and flow switches with automatic pump shut-off. • Below ground wastewater pipework system from warehouse to tank bunded farm to be constructed of Durapipe PLX piping or alternative piping material suitable for transferring hydrocarbons and wastewaters containing hydrocarbons.	
4.	Stormwater Drainage	• Stormwater system to be fitted with an automated shutoff valve at the connection point where the stormwater system connects to the local authority stormwater system • The valve will be automatically actuated by a fire signal from the Fire Indicator Panel (FIP). • The stormwater system has a sump with an access lid located at the side of the premises crossover, to provide access from the road for pumping out the storage in case of an emergency. • Culverts and pits on the premises will be underlain by a concrete base and sealed to provide a watertight storage space and prevent pollutants entering the environment.	As specified in Figure 4 of Schedule 1
5.	Diesel Tank (30 kL)	• Self-bunded steel tank. • Tank including bowser in tank cowling to be located on a concrete apron which drains to tank farm bunded area. • Installation to be in accordance with AS 1940-2004 and *Dangerous Goods Safety Act 2004*. • Level indication and level alarm to be installed.	As specified in Figure 3 of Schedule 1
6.	Kerosene Tank (30kL)	• Self-bunded steel tank. • Tank including bowser in tank cowling to be located on a concrete apron which drains to tank farm bunded area. • Installation to be in accordance with AS 1940-2004 and *Dangerous Goods Safety Act 2004*. • Level indication and level alarm to be installed.	As specified in Figure 3 of Schedule 1

Infrastructure		Design and construction / installation requirements	Infrastructure location
7.	Fire Protection System	• Fire detection and fire-fighting equipment to be installed throughout the premises, • Fire detection system is linked to emergency services.	N/A

Table 2: Approved design installation drawing

Item	Drawing Record Number	General Description
1	PC21170-ST-0112-BUILDING SECTIONS - & ELEVATIONS - SHEET 2_A	Building sections & Elevations
2	PC21170-ST-0111-BUILDING SECTIONS - & ELEVATIONS - SHEET 1_A	Building sections & Elevations
3	PC21170-ST-0101-GROUND FOUNDATION AND SLAB LAYOUT_C	Tank Farm foundation and slab layout
4	PC21170-ST-0002-GENERAL NOTES SHEET 2_B	General structural design notes
5	PC21170-ST-0002-GENERAL NOTES SHEET 1_B	General structural design notes
6	P383-01-P-111_0	Tank Farm Piping Detail
7	P383-01-P-100_0	Tank Farm Piping Detail Notes
8	P383-01-C-015_0	Tank Farm Cast in Pipe Detail.
9	P383-01-C-014_0	Hydrocarbon Depot Processing Area Drainage Detail
10	P383-01-C-013_0	Tank Farm Civil Layout & Elevation
11	P383-01-C-012_0	Tank Farm Civil Plan Civil Detail
12	P383-01-C-011_0	Tank Farm Civil Elevation View 1
13	P383-01-C-010_0.	Tank Farm Civil Plan Setout View
14	P383-01-C-009_0	Tank Farm Civil Plan Drainage View
15	19071-C-101, 19071-C-102, 19071-C-103, 19071-C-104, 19071-C-105, 19071-C-106, 19071-C-107 and 19071-C-107.	Stormwater design and plan
16	P383-01-G-010	Tank Farm Plan View

Compliance reporting

2. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 being constructed and/or installed:

(a) undertake an audit of their compliance with the requirements of condition 1; and

(b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

3. The Environmental Compliance Report required by condition 2, must include as a minimum the following:

(a) certification by a suitably qualified Civil or Structural Engineer that the items of infrastructure or component(s) thereof, as specified in condition 1, have been constructed in accordance with the relevant requirements specified in condition 1;

(b) certification from a nationally accredited fire system certifier detailing and stating the installation, the fire protection system and performance of the installed and commissioned system comply with respective codes and standards.

(c) Quality assurance and quality control documentation verification of the integrity and intactness of all respective pipework, hardstand and bunding infrastructure must be included in the certification required by Condition 3(a);

(d) revised site Fire Emergency Plan Management Plan (FEMP), consistent with Section 3 of the Australian Standard AS 3745 -2010. The FEMP must be prepared by a suitably accredited fire safety assessor.

(e) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 1; and

(f) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Time limited operations phase

Commencement and duration

4. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 1 where the Environmental Compliance Report as required by condition 2 has been submitted by the works approval holder for that item of infrastructure.

5. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 1:

(a) until 21 January 2024; or

(b) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, if one is granted before the end of the period specified in sub-provision (a).

Infrastructure and equipment

6. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 3 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 3.

Table 3: Infrastructure and equipment requirements during time limited operations

Site infrastructure and equipment		Operational requirement	Infrastructure location
1.	Workshop	• Filters and Spray booth to be maintained in accordance with AS/NZS 4114.1.	As specified in Figure 2 of Schedule 1
2.	Bunded Warehouse	• All waste acceptance, storage and treatment areas to be impervious concrete hardstand and concrete bunded, with the concrete having a grade of N40 MPa. • Joints between concreted sections to be sealed. • Fixation pit/sump (10m x 3m) to be impervious concrete lined, with the concrete having a grade of N40 MPa.	As specified in Figure 2 of Schedule 1
3.	Bunded Tank Farm	• Comprise six total tanks, four 300 kL waste oil storage tanks and two 70 kL separated wastewater tanks totalling 1,340 kL volume, for the storage of liquid waste, hydrocarbons and treated wastewater. • Located within impervious concrete bunds and hardstand with capacity to contain 110% of the largest tank, with the concrete having a grade of N40 MPa. • Joints between concreted sections to be sealed. • Each tank must have a high level visual and audible alarm, and high-high alarm with automatic pump shutoff to prevent overflow. • Below ground wastewater pipework system from warehouse to tank bunded farm to be fitted with secondary containment and flow switches with automatic pump shut-off. • Below ground wastewater pipework system from warehouse to tank bunded farm to be constructed of Durapipe PLX piping or alternative piping material suitable for transferring hydrocarbons and wastewaters containing hydrocarbons.	As specified in Figure 3 of Schedule 1.

Site infrastructure and equipment		Operational requirement	Infrastructure location
4.	Stormwater Drainage	• Stormwater system to be fitted with an automated shutoff valve at the connection point where the stormwater system connects to the local authority stormwater system • The valve must be automatically actuated by a fire signal from the Fire Indicator Panel (FIP). • Culverts and pits on the premises must be underlain by a concrete base and sealed to provide a watertight storage space and prevent pollutants entering the environment.	As specified in Figure 4 of Schedule 1
5.	Diesel Tank (30 kL)	• Self-bunded steel tank. • Tank including bowser in tank cowling to be located on a concrete apron which drains to tank farm bunded area. • Level indication and level alarm to be maintained.	As specified in Figure 3 of Schedule 1.
6.	Kerosene Tank (30kL)	• Self-bunded steel tank. • Tank and bowser to be located on a concrete apron which drains to tank farm bunded area. • Level indication and level alarm to be maintained.	As specified in Figure 3 of Schedule 1.
7.	Fire Protection System	• Fire detection and fire-fighting equipment to be maintained throughout the premises, • Fire detection system is linked to emergency services.	N/A

Waste acceptance criteria

7. During time limited operations, the works approval holder must only accept onto the premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets the corresponding acceptance specification set out in Table 4.

Table 4: Types of waste authorised to be accepted onto the premises

Waste type	Waste Code	Rate at which waste is received	Acceptance specification
Category 61			
Waste mineral oils unfit for their intended purpose	J100	Total not exceeding 18,500 tonnes during time limited operations.	Tankered into the premises or delivered in intermediate bulk containers (IBC), drums or other containers
Waste oil and water mixtures or emulsions, and hydrocarbon and water mixtures or emulsions	J120		
Oil interceptor wastes	J130		
Waste tarry residues arising from refining, distillation or pyrolytic treatment	J160		
Used oil filters	J170		
Vehicle Coolant	M130		
Oil sludge	J180		

Pre-acceptance verification – all waste types

8. Prior to the acceptance of any waste stream at the premises, the works approval holder must ensure that:

(a) information that adequately characterises the waste type is obtained to ensure that it meets the waste acceptance criteria in condition 7; and

(b) the characteristics of each liquid waste stream corresponds with the details obtained in accordance with condition 7 for that waste.

9. The works approval holder must ensure that waste is not accepted onto the premises unless adequate storage capacity exists for that waste and the site is adequately staffed to receive the waste to ensure the requirements of this works approval are met.

Labelling and waste description requirements

10. The works approval holder must ensure that all wastes accepted in containers (including those stored in IBC's) and other impermeable receptacles are:

(a) accompanied by a written description[1] of the contents and volume contained within each container;

(b) appropriately labelled[1] to match the written description required by sub-provision (a); and

(c) the written description required by sub-provision (a) must be made available to be produced to an inspector or the CEO as required.

Note 1: labels must be computer printed and at least A5 size (114mm x 210mm).

Waste processing

11. The works approval holder must ensure that all wastes are only subjected to the corresponding processes in accordance with the corresponding process requirements set out Table 5.

Table 5: Waste processing

Waste type	Waste Code	Processes	Process requirements
Category 61			
Waste mineral oils unfit for their intended purpose	J100	Receipt, handling, storage and prior to removal off-site to a facility authorised for the acceptance of such waste	All waste must be stored within the infrastructure specified in rows 3, 5 and 6 of Table 3
Waste oil and water mixtures or emulsions, and hydrocarbon and water mixtures or emulsions	J120		
Oil interceptor wastes	J130		
Waste tarry residues arising from refining, distillation or pyrolytic treatment	J160		
Used oil filters	J170		
Oil sludge	J180		
Vehicle Coolant	M130		

12. The works approval holder must immediately recover, or remove and dispose of, any liquid resulting from spills or leaks of liquid waste, whether inside or outside of bunded areas.

13. The works approval holder must manage the removal of waste from the premises by:

(a) transfer of treated liquid wastes[1] to a premises authorised for the acceptance of that waste; or

(b) transfer of solid wastes to a premises authorised for the acceptance of that waste.

Note 1: Additional requirements for the transport of controlled waste are set out in the Environmental Protection (Controlled Waste) Regulations 2004.

Monitoring during time limited operations

14. The works approval holder must record the total amount of waste accepted onto the premises, for each waste type listed in Table 4, in the corresponding unit, and for each corresponding time period, as set out in Table 6.

Table 6: Waste accepted onto the premises

Waste type	Unit	Time period
Waste types as specified in Table 4	Litres	Each load arriving at the premises.

15. The works approval holder must record the total amount of waste removed from the premises, for each waste type listed in Table 4, in the corresponding unit, and for each corresponding time period set out in Table 7.

Table 7: Waste removed from the premises

Waste type	Unit	Time period
Waste types as specified in Table 4	Litres	Each load leaving or rejected from the premises.
Solid waste type as defined in the Landfill Definitions	Tonnes	Each load leaving or rejected from the premises.

Compliance reporting

16. 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 or 90 calendar days before the expiration date of the works approval, whichever is the sooner.

17. The works approval holder must ensure the report required by condition 16 includes the following:

(a) a summary of the time limited operations, including timeframes and amount of waste processed;

(b) a summary of the environmental performance of all infrastructure as constructed or installed;

(c) a review of performance and compliance against the conditions of the works approval; and

(d) where the manufacturer's design specifications and the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures.

Records and reporting (general)

18. The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received 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);

(b) the time and date of the complaint;

(c) the complete details of the complaint and any other concerns or other issues raised; and

(d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.

19. 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 6;

(c) monitoring undertaken in accordance with conditions 14 and 15; and

(d) complaints received under condition 18.

20. The books specified under condition 19 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 8 have the meanings defined.

Table 8: Definitions

Term	Definition
AS/NZS 4114.1:2003	means AS/NZS 4114.1:2003 - Spray painting booths, designated spray painting areas and paint mixing rooms - Design, construction and testing
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the *Environmental Protection Act 1986* Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
Suitably qualified Civil or Structural Engineer	means a person who: (a) holds a Bachelor of Engineering recognised by the Institute of Engineers; and (b) has a minimum of three years of experience working in a supervisory area of civil or structural engineering; and (c) is employed by an independent third party external to the works approval holder's business; or is otherwise approved in writing by the CEO to act in this capacity
Controlled Waste Regulations	*Environmental Protection (Controlled Waste) Regulations 2004 (WA*).
Department	means the department established under section 35 of the *Public Sector Management Act 1994* 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 Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	*Environmental Protection Act 1986* (WA).
EP Regulations	Environmental Protection Regulations 1987 (WA).
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.

Term	Definition
suitably qualified fire safety assessor	means a person who is an accredited practitioner to undertake a Fire Safety Assessment of the performance capability of fire safety measures (FSMs).
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
waste	has the same meaning given to that term under the EP Act.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 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 is shown in the map below (Figure 1).

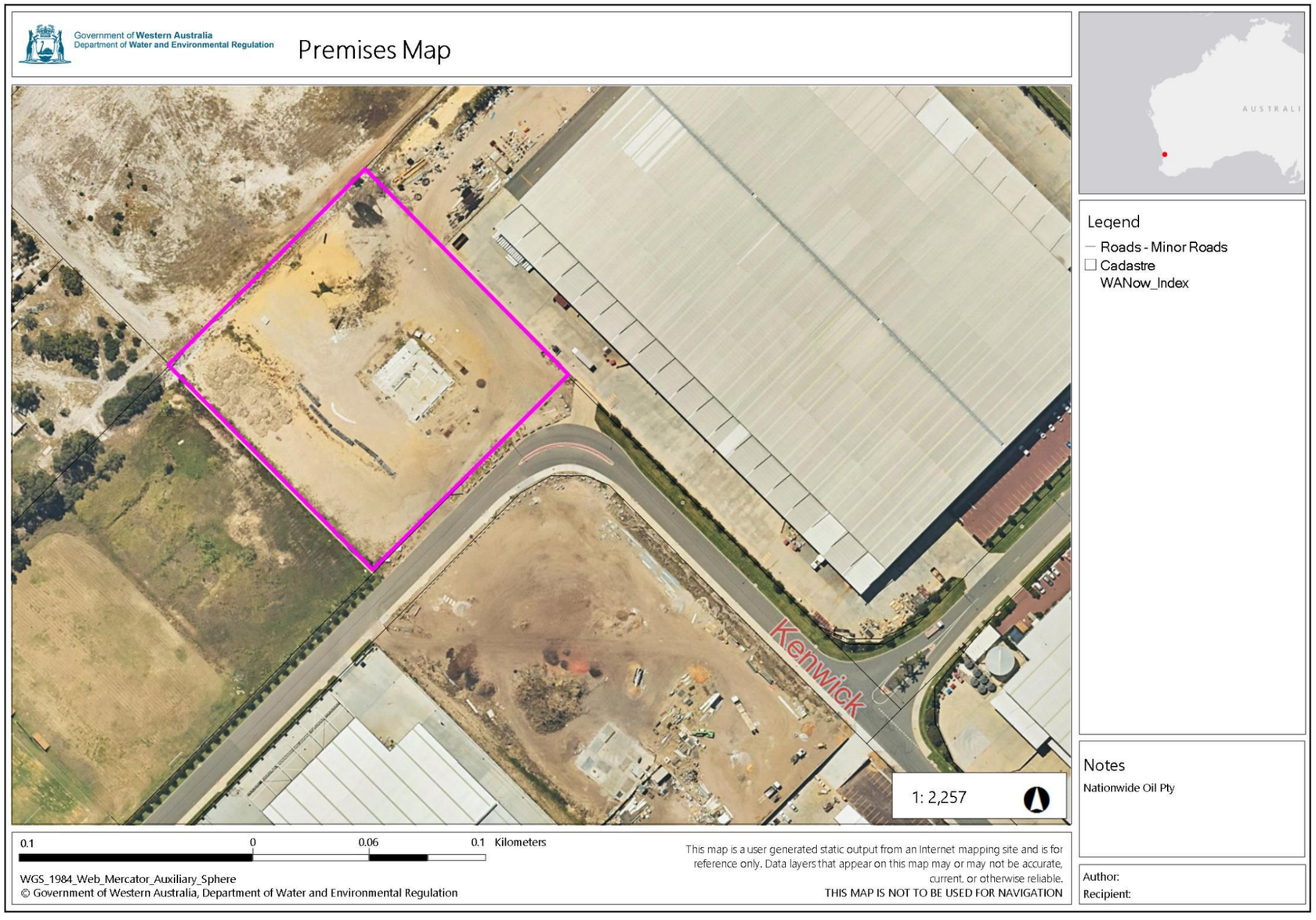


Figure 1: Map of the boundary of the prescribed premises

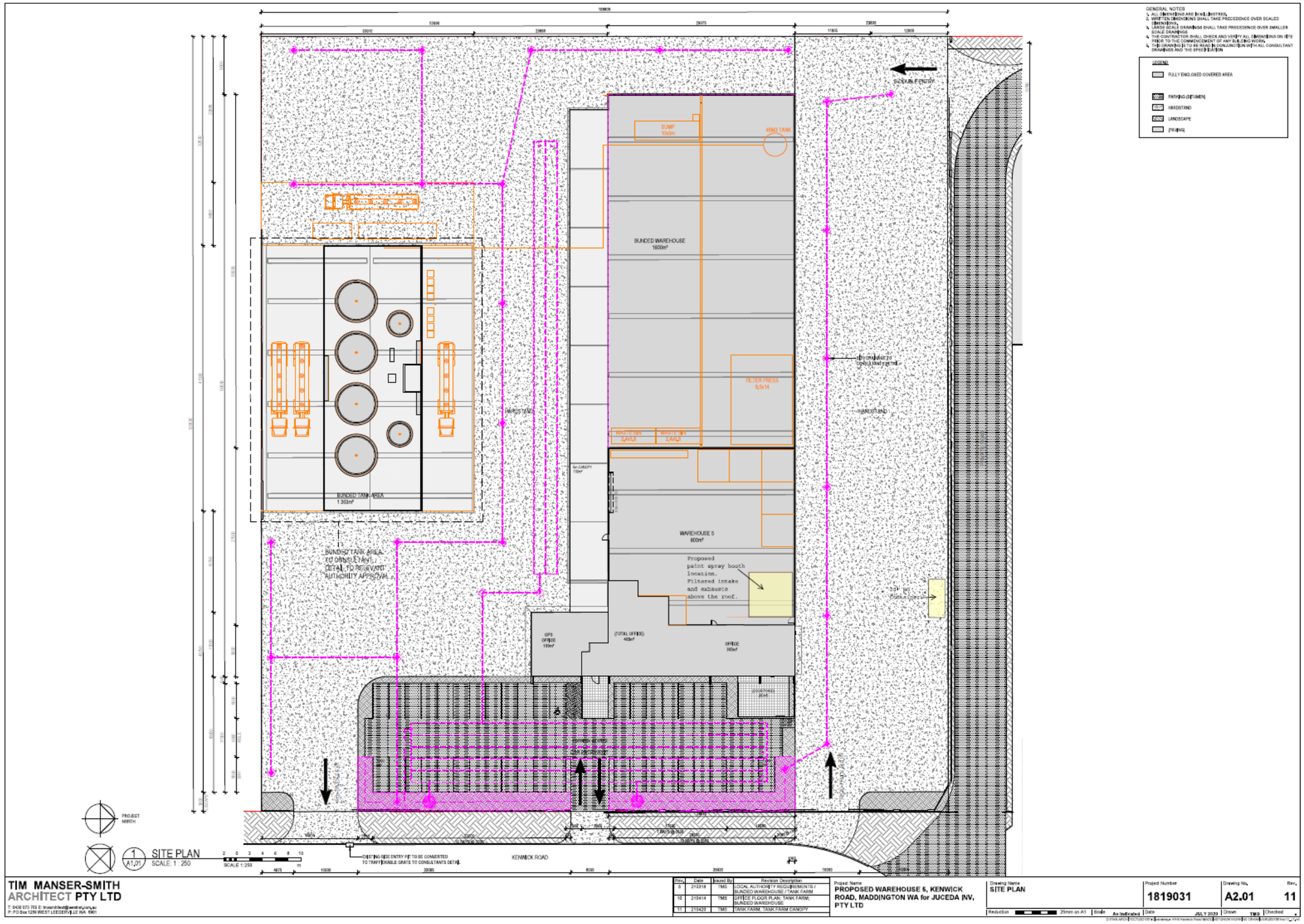
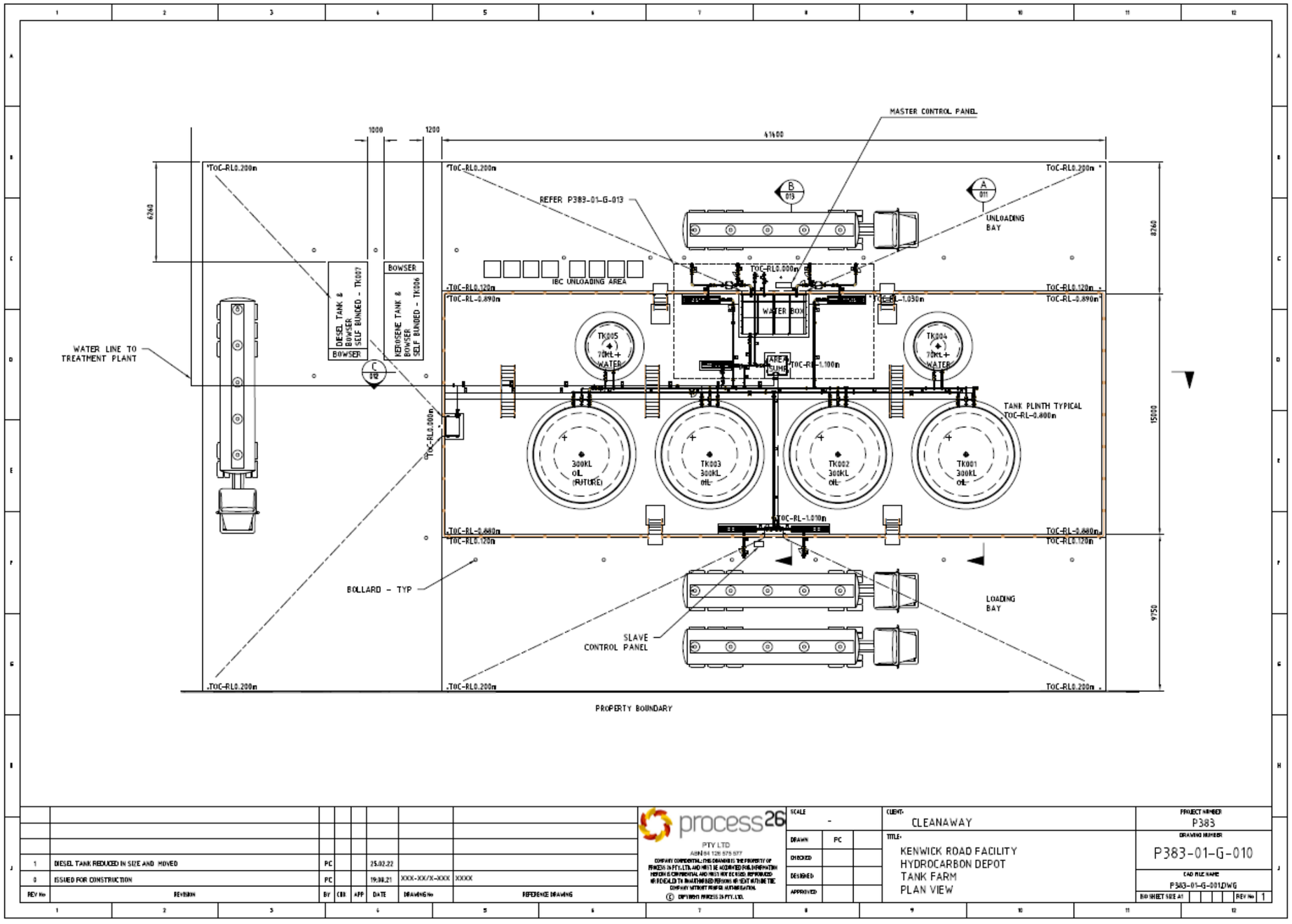


Figure 2: Proposed site Plan



REV No	REVISION	BY	CHK	APP	DATE	DRAWING No	REFERENCE DRAWING
1	DIESEL TANK REDUCED IN SIZE AND MOVED	PC			25.02.22		
0	ISSUED FOR CONSTRUCTION	PC			19.08.21	XXX-XX/X-XXX	XXXX

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SCALE	-
DRAWN	PC
CHECKED	
DESIGNED	
APPROVED	

CLIENT: CLEANAWAY

TITLE: KENWICK ROAD FACILITY
HYDROCARBON DEPOT
TANK FARM
PLAN VIEW

PROJECT NUMBER: P383

DRAWING NUMBER: P383-01-G-010

CAD FILE NAME: P383-01-G-001.DWG

BID SHEET SIZE A1 | REV No 1

Figure 3: Proposed tank farm

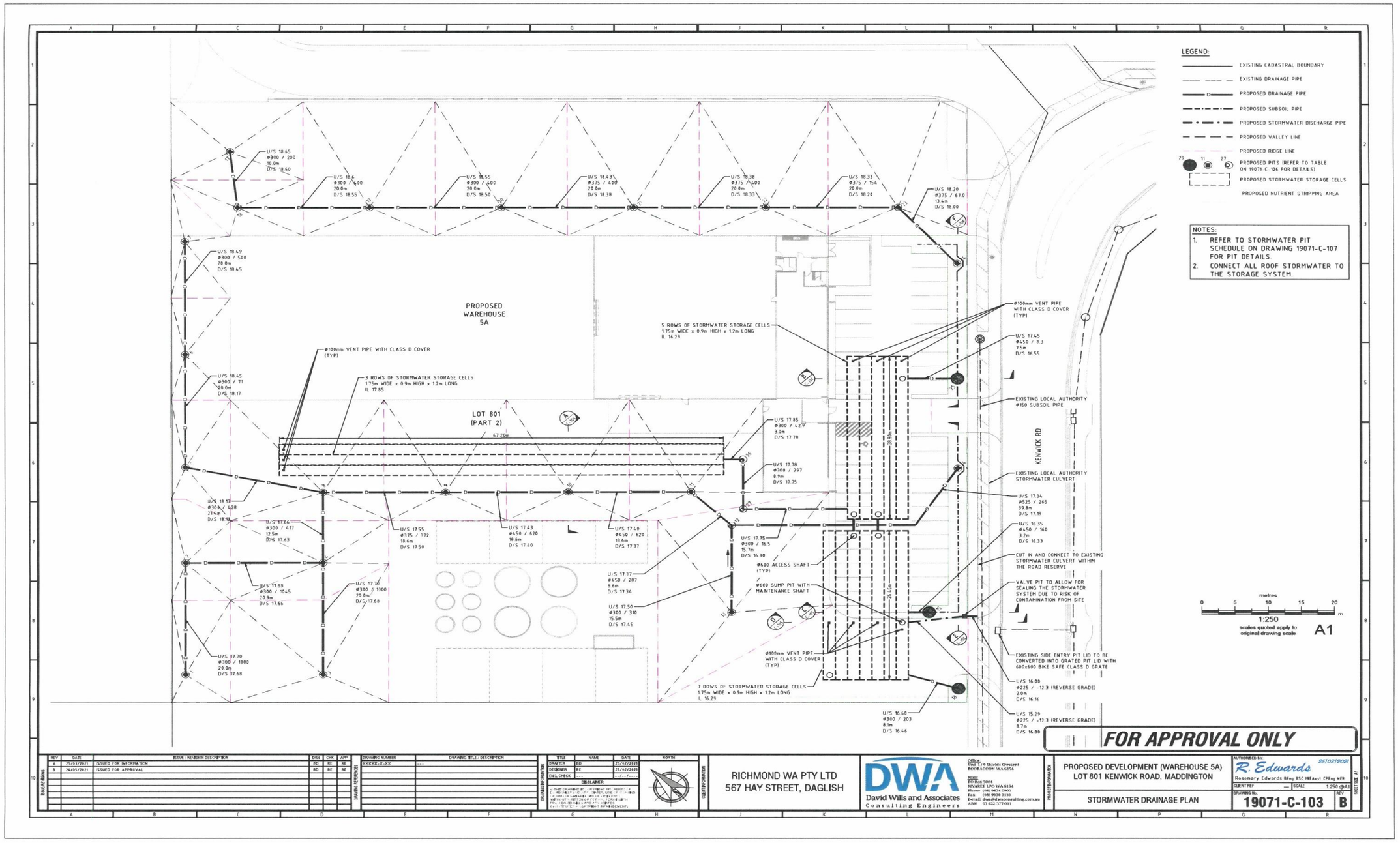

Figure 4: Stormwater drainage network