



Works Approval

Works approval number W6889/2024/1

Works approval holder Water Corporation
ACN 28 0030434 917
Registered business address Water Corporation
John Tonkin Water Centre
629 Newcastle Street, Leederville WA 6007
DWER file number DER2024/000025

Duration 05/04/2024 to 05/04/2029

Date of issue 05/04/2024

Premises details Water Corporation Roberts Rd Wastewater Pump Station
Reserve No 41500 Roberts Road, Attadale, WA, 6156

Legal description -
Lot 11143 on Deposited Plan 188806
Certificate of Title Volume LR3053 Folio 685
As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed production / design capacity
Category 85A: Sewerage pumping station: premises on which sewerage is pumped (other than to or from septic tanks) and where a discharge of waste from the station may enter the Swan River or Canning River.	N/A

This works approval is granted to the works approval holder, subject to the attached conditions, on 05 April 2024, by:

**A/SENIOR ENVIRONMENTAL OFFICER
REGULATORY SERVICES**

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

Works approval history

Date	Reference number	Summary of changes
05/04/2024	W6889/2024/1	Works approval granted.

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

Management plans

1. The works approval holder must submit a Construction Environmental Management Plan (CEMP) to the CEO prior to construction activities commencing.
2. The CEMP specified in condition 1 should include as a minimum:
 - (a) details of the potential sources of:
 - (i) noise emissions;
 - (ii) dust emissions;
 - (iii) odour emissions; and
 - (iv) wastewater discharge emissions;

during the construction works; and
 - (b) provide mitigation and management measures to reduce and prevent the potential emissions listed under condition 2(a).
3. The works approval holder must submit to the CEO an Emergency Discharge Response Procedure for the management, response and mitigation of impacts from a possible emergency discharge from the sewage pumping station prior to operation of the items of infrastructure as listed in condition 5, Table 1.
4. The Emergency Discharge Response Procedure required by condition 3 must address the following:
 - (a) set out how the minimum obligations of a wastewater service provider will be met consistent with the *Wastewater overflow notification and response procedures* specific to the scope of operations and environmental siting of the premises; and
 - (b) detail sequential response procedures for the possible failure of power supply, pumps and pumping station bypass capacity, including discharge to public open space.

Infrastructure and equipment

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

Table 1: Design and construction / installation requirements

Infrastructure and equipment		Design and construction / installation requirements	Infrastructure location
1.	Pump station upgrades	<p>The design is in accordance with the Water Corporation design standard <i>DS 51 – The Design and Construction of Wastewater Pumping Stations and Pressure Mains</i>.</p> <ul style="list-style-type: none"> a) The pump station upgrade is to include a total of two FLYGT model NT3153.185SH dry mount submersible wastewater pumps capable of 8.5L/s with one for duty and one for standby as contingency. The standby pump must automatically operate if the duty pump fails; b) Bypass pump to be installed within the inlet access chamber; c) Bypass pump set up to be hydrostatically tested prior to operation and any defects or leaks to be resolved prior to use; d) The works approval holder must ensure the access chamber is sealed when tie-in works and associated activities are not being undertaken; and e) Hydrostatic testing of the sewage pump station must be undertaken for a minimum 24 hours and any defects resolved. 	As shown in Schedule 1, Figures 1, 2a and 2b.
2.	Pipework, suction, discharge, and non-return valves replacement	<ul style="list-style-type: none"> a) Pipework upgrades to occur within the existing pumping station within the dry well; b) Pipework to be prefabricated and Mild Steel Cement Lined (MSCL); c) Pumping station and bypass pump setup pipework, fittings and valves to be leak tested and deemed fit for purpose prior to use; d) Daily inspections to ensure bypass pump pipework, fittings and valves are free of leaks and defects; e) Removed and installed in accordance with the Water Corporation design standard <i>DS 65 – Pipe Fittings Standard Drawings</i>; and f) Ductile Iron (DI) valves to be installed up to the manifold and within the dry well. 	As shown in Schedule 1, Figures 1, 2a and 2b.
3.	Emergency alarm system	<ul style="list-style-type: none"> a) All alarms are to be in place during pumping station operation and bypass pump operation to ensure operators are aware of suspected failures or issues with the pumping station. 	Within the pump station as shown in Schedule 1, Figures 1, 2a and 2b.

Infrastructure and equipment		Design and construction / installation requirements	Infrastructure location
		<p>b) The following alarms to be set / fitted to engage when:</p> <ul style="list-style-type: none"> i) the first pump stops working; ii) the second pump stops working; iii) trigger levels within the well are reached following failure of both pumps; iv) system failure occurs - wastewater continues to flow into the well and overflows back into the inlet chamber; v) inlet chamber receiving well overflow is half full; and vi) inlet chamber is completely full and about to overflow into the environment. 	
4.	Electrical upgrades	<p>a) Electrical upgrades to be undertaken in accordance with the following Water Corporation design standards:</p> <ul style="list-style-type: none"> • <i>DS 20 – Design Process for Electrical Works</i>; and • <i>DS 22 – Ancillary Plant and Small Pump Stations – Electrical</i>. <p>b) Switchboards designed in accordance with Water Corporation Drawings under the <i>MN01 Small Pump Station Standard Electrical Drawings</i>;</p> <p>c) The existing underground switchboard and associated wiring to be completely decommissioned.</p>	As defined in Schedule 1, Figures 1, 2a and 2b.

Compliance reporting

6. The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 5 being constructed and / or installed:
- (a) undertake an audit of their compliance with the requirements of condition 5; and
 - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

7. The Environmental Compliance Report required by condition 6, must include as a minimum the following;
- (a) certification by a Qualified Civil or Structural Engineer that the items of infrastructure or component(s) thereof, as specified in condition 5, have been constructed in accordance with the relevant requirements specified in condition 5;
 - (b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 5; and
 - (c) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.

Records and reporting (general)

8. 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.
9. 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 5;
 - b) any maintenance of infrastructure that is performed in the course of complying with condition 5;
 - c) complaints received under condition 8.
10. The books specified under condition 9 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 2 have the meanings defined.

Table 2: Definitions

Term	Definition
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 <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
condition	a condition to which the licence is subject under section 62 of the Environmental Protection Act 1986 (WA).
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.
DS 20 – Design Process for Electrical Works	refers to the design standard document ‘Design Process for Electrical Works’, prepared by the Water Corporation, FEBRUARY 2024. (DWERDT921289)
DS 22 – Ancillary Plant and Small Pump Stations – Electrical	refers to the design standard document ‘Ancillary Plant and Small Pump Stations – Electrical’, prepared by the Water Corporation, MAY 2023. (DWERDT921297)
DS 51 – The Design and Construction of Wastewater Pumping Stations and Pressure Mains	refers to the design standard document ‘The Design and Construction of Wastewater Pumping Stations and Pressure Mains’, prepared by the Water Corporation, JULY 2023. (DWERDT921299)
DS 65 – Pipe Fittings Standard Drawings.	refers to the design standard document ‘Pipe Fittings Standard Drawings’, prepared by the Water Corporation, NOVEMBER 2023. (DWERDT921306)
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.

Term	Definition
EP Act	<i>Environmental Protection Act 1986 (WA).</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA).</i>
Inlet access chamber	Refers to an access point to the sewage system (manhole).
MN01 - Small Pump Station Standard Electrical Drawings	refers to the design standard documents 'Small Pump Station Standard Electrical Drawings', prepared by the Water Corporation, FEBRUARY 2024. (DWERDT921366)
premises	the premises to which this works approval applies, as specified at the works approval 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.
Qualified civil or structural engineer	means a person who: <ul style="list-style-type: none"> a) holds a Bachelor's degree recognised by Engineers Australia; and b) has a minimum of five years' experience working in a supervisory role in 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.
waste	has the same meaning given to that term under the EP Act.
Wastewater overflow notification and response procedures	refers to the document 'Wastewater Overflow Notification and Response Procedures 2021', prepared by the Department of Health, Department of Environment and Conservation, Swan River Trust and Water Corporation, November 2022 (DWERDT921280).
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

W6889/2024/1 (Date of issue: 05/04/2024)
IR-T05 Works approval template (v6.0) (September 2022)



Figure 2b: Site layout plan – Pump and mobile pump locations



Figure 3: Tankering route and discharge manhole locations

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 3.

Table 3: Premises boundary coordinates (GDA 2020 MGA Zone 50)

	Easting	Northing
1.	386604.962585	6456893.82238
2.	386587.864149	6456901.21335
3.	386608.271976	6456941.91876
4.	386624.598296	6456935.74127

Schedule 3: Arrangement of pump house

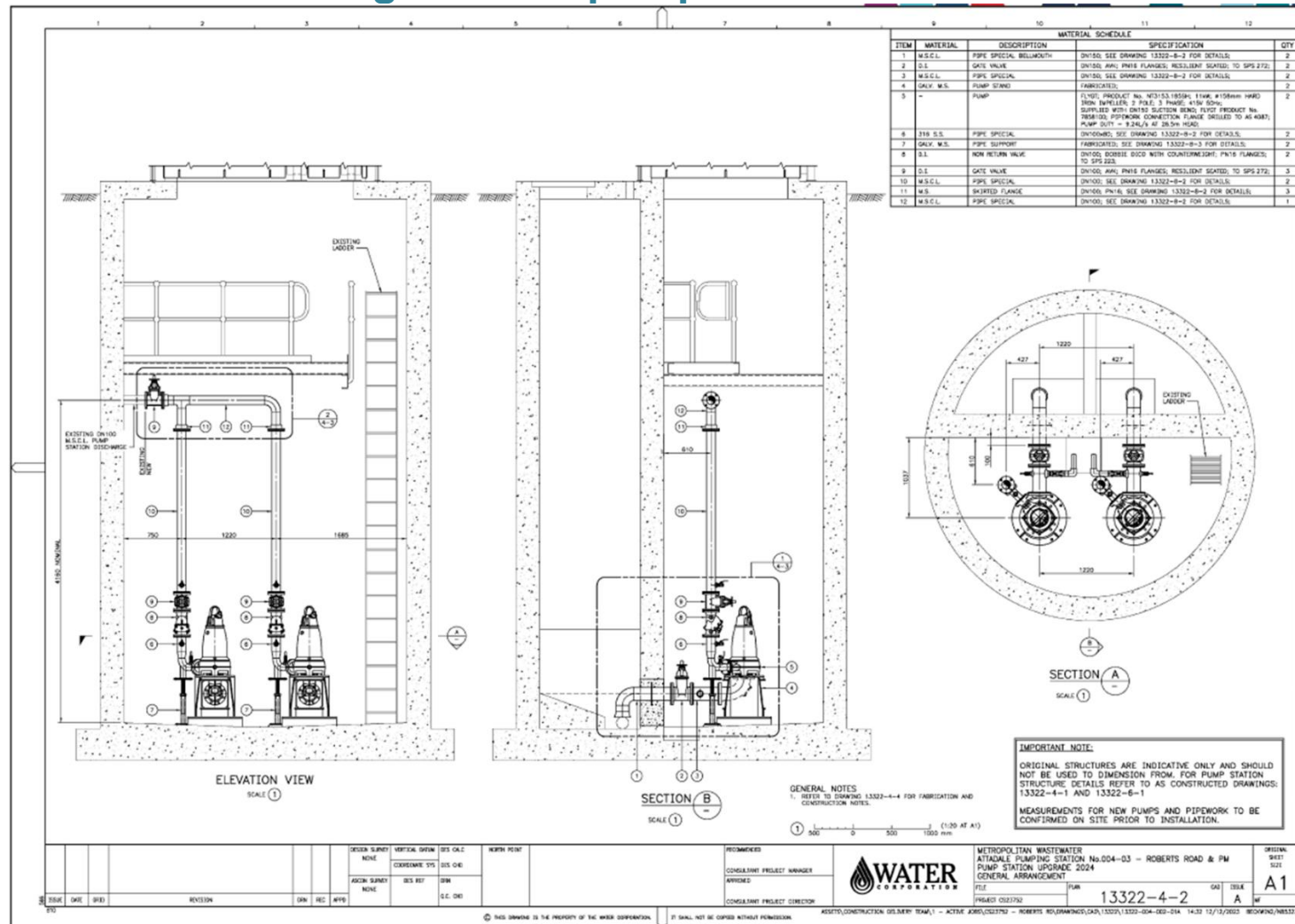


Figure 4: New general arrangement of pump house