



Works approval number	W6716/2022/1
Works approval holder	Water Corporation
ACN	28 003 434 917
Registered business address	629 Newcastle Street LEEDERVILLE WA 6007
DWER file number	DER2022/000369
Duration	28/10/2022 to 28/10/2025
Date of issue	28/10/2022
Premises details	Lancelin Wastewater Treatment Plant Lot 1 on Diagram 66878 Lancelin Road LANCELIN WA 6044 As depicted in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 54: Sewage facility: premises – (a) On which sewage is treated (excluding septic tanks); or (b) From which treated sewage is discharged onto land or into waters.	Less than 200 cubic metres per day
Category 61: Liquid Waste Facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed treated or irrigated.	More than 100 but less than 10,000 tonnes per year

This works approval is granted to the works approval holder, subject to the attached conditions, on 28 October 2022, by:

Adam Green
SENIOR ENVIRONMENTAL OFFICER, INDUSTRY REGULATION

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

Works approval history

Date	Reference number	Summary of changes
28/10/2022	W6716/2022/1	Works approval granted for the addition of a second infiltration pond and associated emergency overflow pipework.

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
1.	Infiltration pond	<p>The infiltration pond must be designed and constructed to meet the following specifications:</p> <ol style="list-style-type: none">a) Constructed in accordance with the design drawings provided in Schedule 1, Figures 2, 3 and 4b) Constructed to the following dimensions:<ol style="list-style-type: none">i. depth of 2.0mii. width of 40.0miii. length of 70.0mc) Subgrade shall be compacted to 95% of Maximum Dry Density (MDD), firm and unyielding. Subgrade shall be prepared free from any protruding edges, stones, construction debris, abrupt elevation changes, voids and cracks free from standing water.d) A layer of crushed limestone shall be placed on the internal faces of the pond banks.e) Compacted gravel shall be placed on top of the banks as per Figure 3.f) The external faces of the banks must be covered with 100mm of gravel and compacted.g) Fill used to construct embankments shall consist of material containing no more than 15% of particles passing a 25 micron sieve and have a MDD at optimum moisture content of not less than 1,750kg/m³	<p>Within prescribed premises boundary as depicted in Schedule 1 Premises map, Figure 1</p> <p>Positioned in accordance with Figures 2 and 4</p>

	Infrastructure	Design and construction requirements	Infrastructure location
2.	Pipework	<p>a) Installation of emergency overflow pipework and pipework between the existing ponds and the secondary infiltration pond must be installed in accordance with the design drawings provided in Schedule 1, Figures 2 and 4</p> <p>b) The overflow pipes and fittings shall be Polyvinyl Chloride (PVC) SN 8, concrete encased.</p> <p>c) Polyethylene (PE) pipes shall be manufactured to AS/NZS 4130, colored black and shall comply with AS1159.</p> <p>d) PE Pipeline shall have a minimum pressure rating of PN 12.5.</p> <p>e) Pipes must be examined for faults and cleaned on the inside before they are laid. Any damaged or defected pipe shall be rejected and removed from site.</p> <p>f) All pipe joints must be sealed and the pipeline hydrostatically tested for leaks prior to trench backfill.</p>	<p>Within prescribed premises boundary as depicted in Schedule 1 Premises map, Figure 1</p> <p>Positioned in accordance with Figures 2 and 4</p>
3.	Security Fence	<p>a) A fence is to be erected around the new infiltration pond as depicted in Schedule 1, Figures 2 and 4</p> <p>b) Security fence and gates shall be PVC coated heavy galvanized Rail-less Chainwire, 2130mm high with cranked extension posts and three strands of barbed wire</p>	

Compliance reporting

2. The works approval holder must within 30 calendar days of an item of infrastructure required by condition 1 being constructed:
 - (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 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) 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.

Emissions

4. The works approval holder must manage dust generation from construction activities at the premises by wetting down unsealed roads and exposed areas
5. The works approval holder must ensure that all reasonable and practicable measures are taken to ensure that no windblown waste escapes from the premises.
6. The works approval holder must ensure that excavation and construction activities at the premises only occur between the hours of 07:00 to 19:00, and on the days of Monday through to Saturday.
7. All hazardous chemicals and hydrocarbons must be stored on a hardstand in bunded areas or in an appropriate containment system to prevent runoff of environmentally hazardous materials into the environment.
8. The works approval holder shall immediately recover, or remove and dispose of, spills of environmentally hazardous materials including sewage, fuel, oil, or other hydrocarbons, whether inside or outside an engineered containment system.
9. The works approval holder shall ensure that all material used for the recovery, removal, and/or disposal of environmentally hazardous materials is stored in an impermeable container prior to disposal at an appropriately authorised facility.

Time limited operations phase

Commencement and duration

10. 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.
11. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 1:
 - (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 10 for that item of infrastructure; 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 condition 11(a).

Time limited operations requirements

12. During the time limited operations, the works approval holder must ensure that the premises infrastructure listed in Table 2 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 2.

Table 2: Infrastructure and operational requirements during time limited operations

	Infrastructure	Operation requirements	Infrastructure location
1.	Infiltration pond	a) Must be maintained to a minimum freeboard level of 400mm to the top of the emergency overflow (spillway) b) Vegetation and floating debris (emergent or otherwise) must be prevented from encroaching onto pond surfaces or inner pond embankments. c) Collected vegetation and floating debris shall be disposed of at an appropriate landfill facility. d) Any sludge removed from the pond must be disposed of at an appropriately licensed waste facility. If sludge is to be temporarily stored on-site then it must be directed to the approved sludge drying hardstand.	Within prescribed premises boundary as depicted in Schedule 1 Premises map, Figure 1 Positioned in accordance with Figures 2 and 4
2.	Pipework	All pipework is to be maintained in good condition and free of defects to prevent blockages and leaks.	
3.	Security Fence	Security fence around the new infiltration pond shall be maintained in good condition to prevent pond access by fauna and unauthorised persons.	

Compliance reporting

- 13.** 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 30 calendar days before the expiration date of the works approval, whichever is the sooner.
- 14.** The works approval holder must ensure the report required by condition 13 includes the following:
- (a) a summary of the time-limited operations, including timeframes;
 - (b) a review of performance and compliance against the conditions of the works approval; and
 - (c) where 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

- 15.** 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.
- 16.** 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 12;
 - (c) complaints received under condition 15.
- 17.** The books specified under condition 16 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 3 have the meanings defined.

Table3: 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
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 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	<i>Environmental Protection Act 1986</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (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.
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.

Term	Definition
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 (shown in blue)

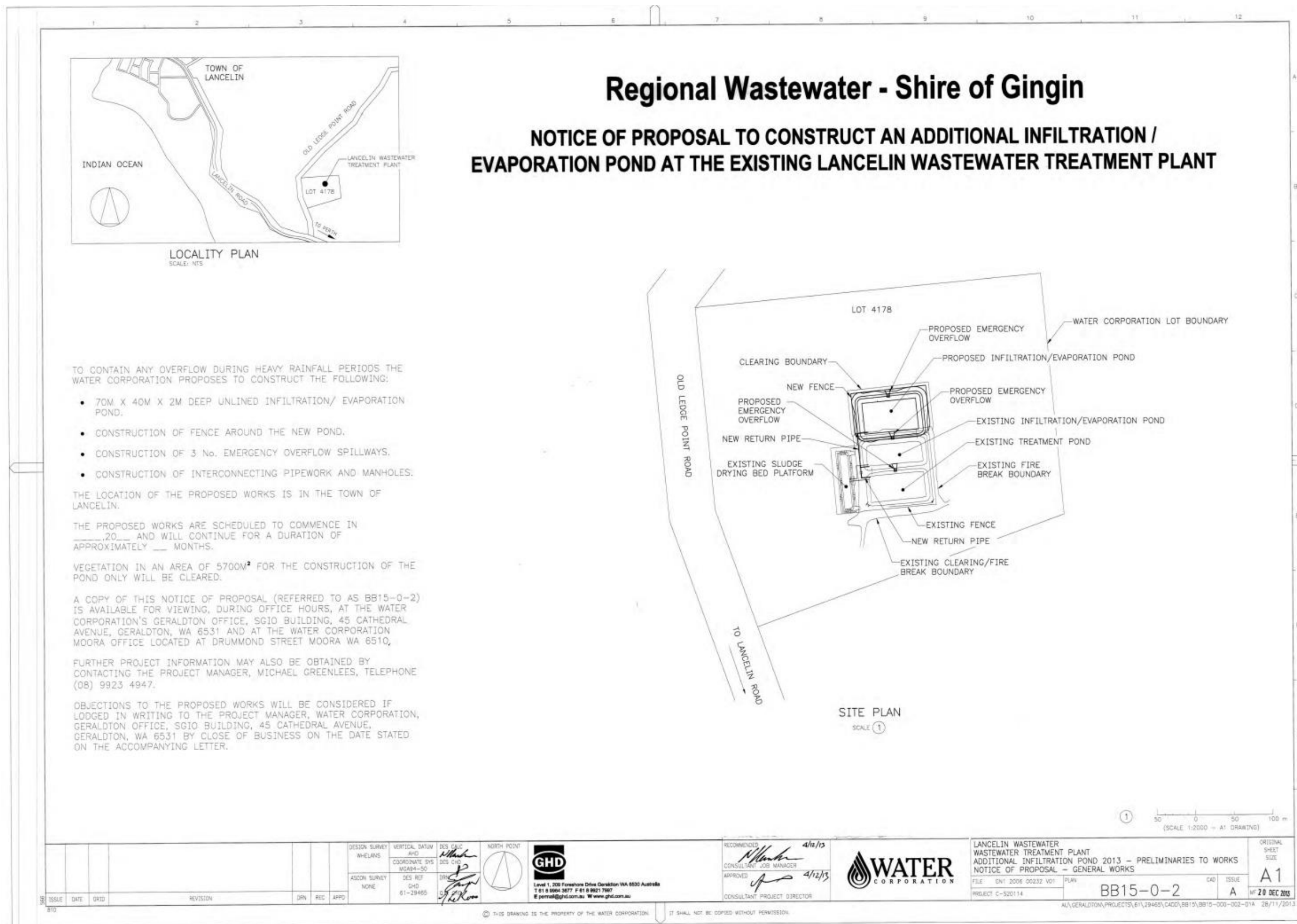


Figure 2: Proposed additional infiltration pond site plan

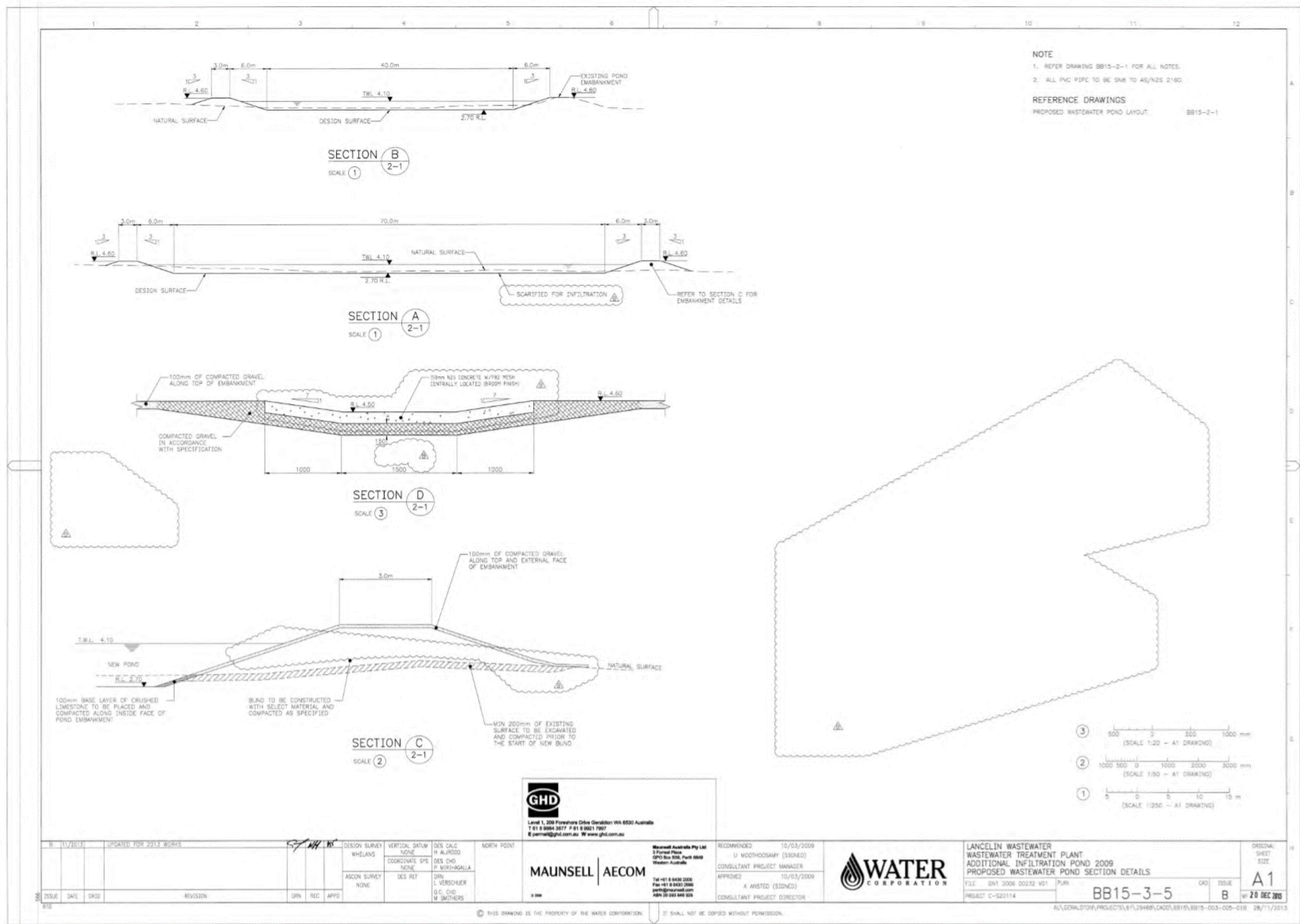


Figure 3: Proposed additional infiltration pond section details

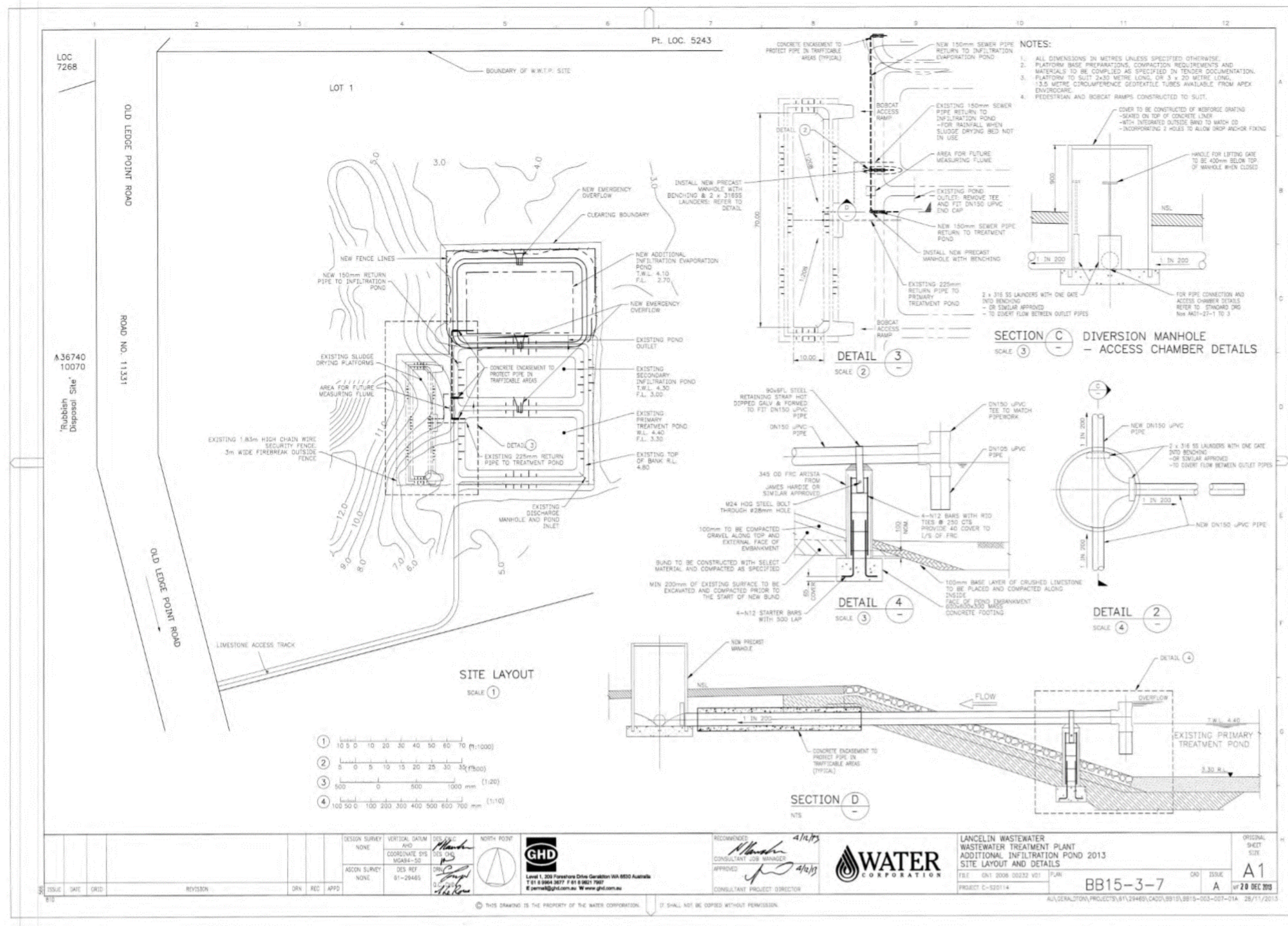


Figure 4: Proposed additional infiltration site layout and details