



Works approval number W6745/2022/1
Works approval holder Cleanaway Solid Waste Pty Ltd
ACN 120 175 635
Registered business address Level 4, 441 St Kilda Road
MELBOURNE Victoria 3004
DWER file number DER2015/001648-1
Duration 19/04/2023 to 18/04/2026
Date of issue 19/04/2023

Premises details
Banksia Road Putrescible Landfill
Banksia Road
CROOKED BROOK WA 6236
Legal description
Lot 2 on Deposited Plan 65861
Certificate of Title Volume 1670 Folio 568
As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore: premises on which: (c) tailings or residue from metallic or non-metallic ore are discharged into a containment cell or dam.	350,000 tonnes per annual period
Category 61: Liquid waste facility - Premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	3,000 tonnes per annual period
Category 64: Class II or III putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer and as amended from time to time) is accepted for burial.	350,000 tonnes per annual period
Assessed activities directly related to the above categories	
Construction of additional stormwater management infrastructure	

This works approval is granted to the works approval holder, subject to the attached conditions, on 19 April 2023, by:

Marko Pasalich
A/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
19/04/2023	W6745/2022/1	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

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.	Western Overflow basin	Excavation of 2 m of soil from the base of the existing basin to a final depth of 3.5 m Basin must meet or exceed a storage volume of 20,800 m ³ whilst maintaining a minimum freeboard of 0.5 m.	As depicted in Figure 2 of Schedule 1.
2.	Stormwater Pond 2	Stormwater outlet must be constructed to the specifications outlined in Figure 5 of Schedule 1.	As depicted in Figure 2 of Schedule 1.
3.	Western Drain - South	Raising of the existing western site perimeter bund using soil fill by 300 mm as required to form a consistent bund height along the site western boundary. Construction must be undertaken according to the specifications outlined in Figure 8 of Schedule 1.	As depicted in Figure 2 of Schedule 1.
4.	Western Drain - North	Excavation of 2 m of soil from the base of the existing drain to a final depth of 3 m. Raising of the existing western site perimeter bund using soil fill by approximately 800 mm as required to form a consistent bund height along the site western boundary. Construction must be undertaken according to the specifications outlined in Figure 8 of Schedule 1.	As depicted in Figure 2 of Schedule 1.
5.	Northern Overflow basin	Excavation of approximately 3m of soil from the base of the existing basin to a final depth of 4m.	As depicted in Figure 2 of Schedule 1.

	Infrastructure	Design and construction requirements	Infrastructure location
		<p>Basin must meet or exceed a storage volume of 37,000 m³ whilst maintaining a minimum freeboard of 0.5m.</p> <p>Stormwater inlet from Stormwater Pond 2 must be constructed to the specifications outlined in Figure 3 of Schedule 1.</p> <p>Stormwater outlet to the Western Overflow Basin must be constructed to the specifications outlined in Figure 4 of Schedule 1.</p>	
6.	Southern Overflow basin	<p>Excavation works to a final depth of 4 m.</p> <p>Basin must meet or exceed a storage volume of 17,630 m³ whilst maintaining a minimum freeboard of 0.5 m.</p> <p>Stormwater inlet from Stormwater Pond 2 must be constructed to the specifications outlined in Figure 6 of Schedule 1.</p> <p>Stormwater outlet to the Western Drain South must be constructed to the specifications outlined in Figure 7 of Schedule 1.</p>	As depicted in Figure 2 of Schedule 1.

2. The works approval holder must ensure that no visible dust generated from any construction works listed in Table 1 crosses the boundary of the premises.
3. The works approval holder must ensure that where reversing alarms are required for vehicles within the works approval holders control entering the premises, such vehicles must be fitted with broadband reversing alarms
4. The works approval holder must ensure that a minimum 0.5 m freeboard is maintained within Stormwater Pond 2 for the duration of all construction works listed in Table 1.

Compliance reporting

5. The works approval holder must within 30 calendar days of the completion of the construction of the infrastructure or equipment required by condition:
 - (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.
6. The Environmental Compliance Report required by condition 5, 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.

Time limited operations phase

Commencement and duration

7. 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 5 has been submitted by the works approval holder for that item of infrastructure.
8. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 9 (as applicable):
 - (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 7 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 8(a).

Time limited operations requirements and emission limits

9. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment 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 equipment requirements during time limited operations

	Site infrastructure and equipment	Operational requirement	Infrastructure location
1.	Western Overflow basin	Sized to accommodate a 1% AEP storm event.	As depicted in Figure 2 of Schedule 1.
2.	Stormwater Pond 2		
3.	Western Drain - South		
4.	Western Drain - North		
5.	Northern Overflow basin		
6.	Southern Overflow basin		

Compliance reporting

10. 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.
11. The works approval holder must ensure the report required by condition 10 includes the following:
 - (a) a summary of the time limited operations, including timeframes;
 - (b) a summary of the environmental performance of all infrastructure as constructed;
 - (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)

- 12.** 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.
- 13.** 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 9; and
 - (c) complaints received under condition 12.
- 14.** The books specified under condition 13 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.

Table 3: 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 has been constructed 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.
Suitably Qualified Engineer	means a person who: (a) holds a Bachelor of Engineering degree recognised by Engineers Australia; and (b) has a minimum of 5 years' experience working in a supervisory role in civil or structural engineering; and (c) is employed by an independent third part external to the works approval holders business; or is otherwise approved in writing by the CEO to act in this capacity.

Term	Definition
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 maps

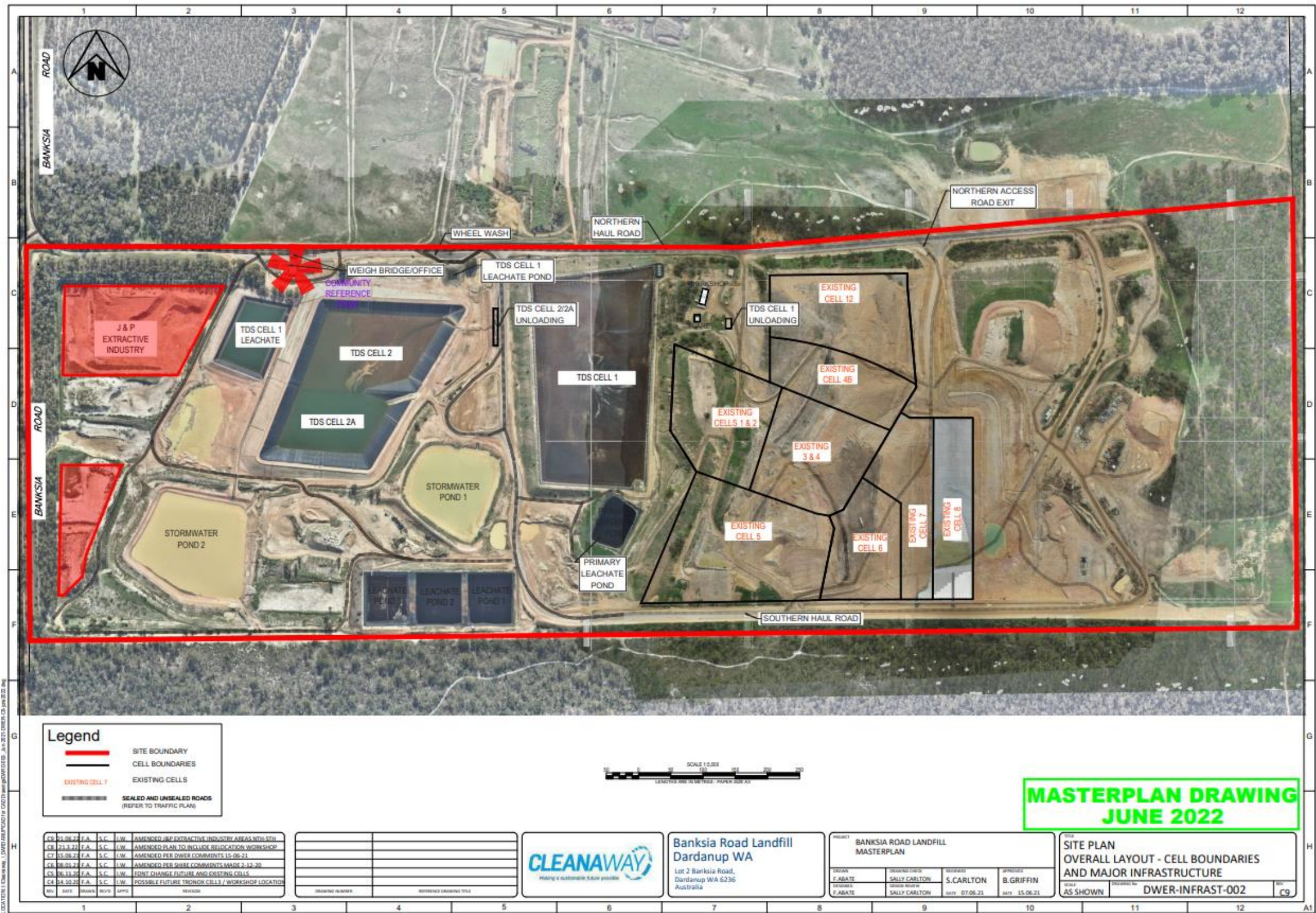


Figure 1: Map of the boundary of the prescribed premises

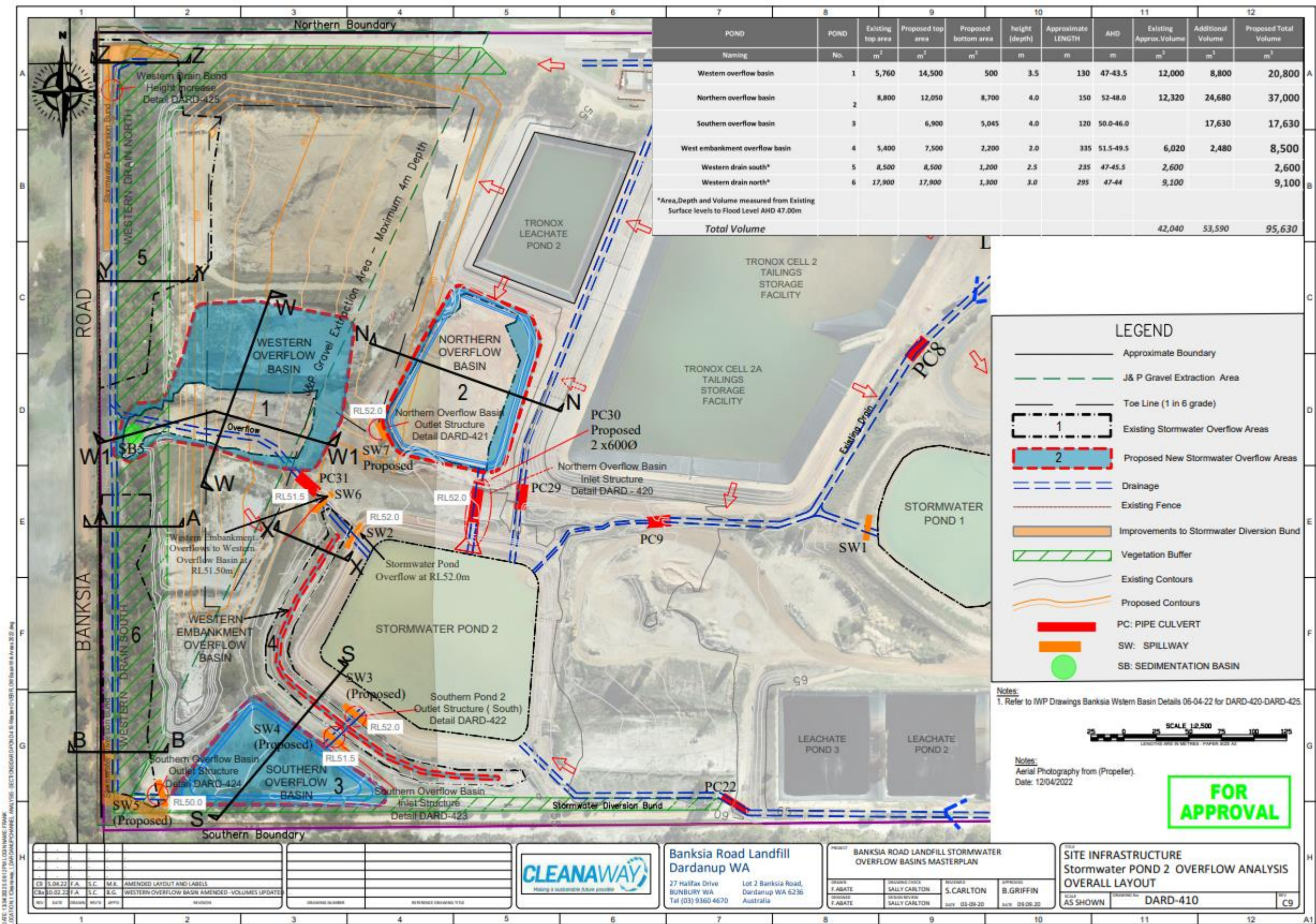


Figure 2: Stormwater Management Infrastructure

Schedule 2: Design and construction specifications

Design drawings for required infrastructure

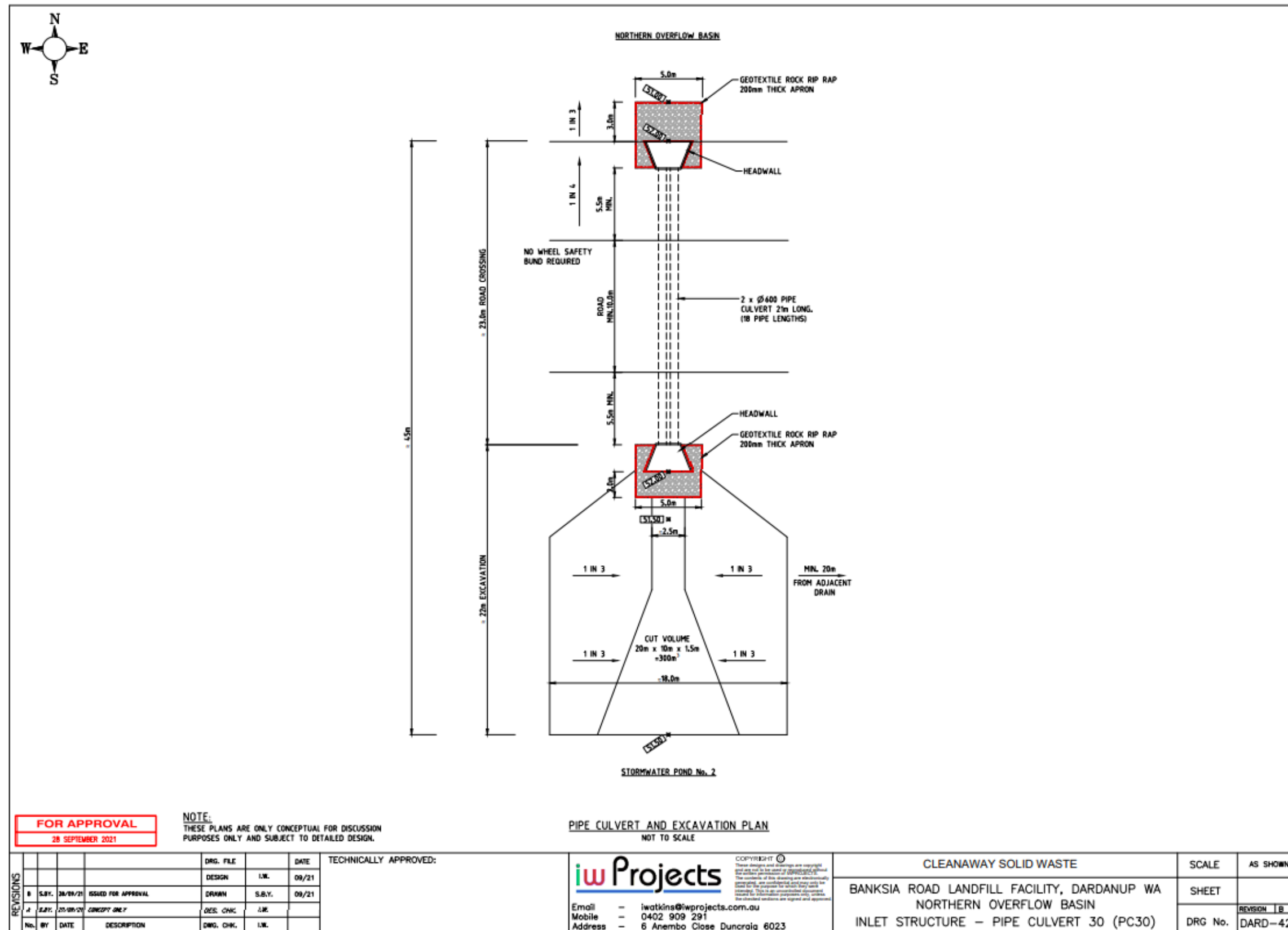


Figure 3: Northern Overflow Basin Inlet Structure

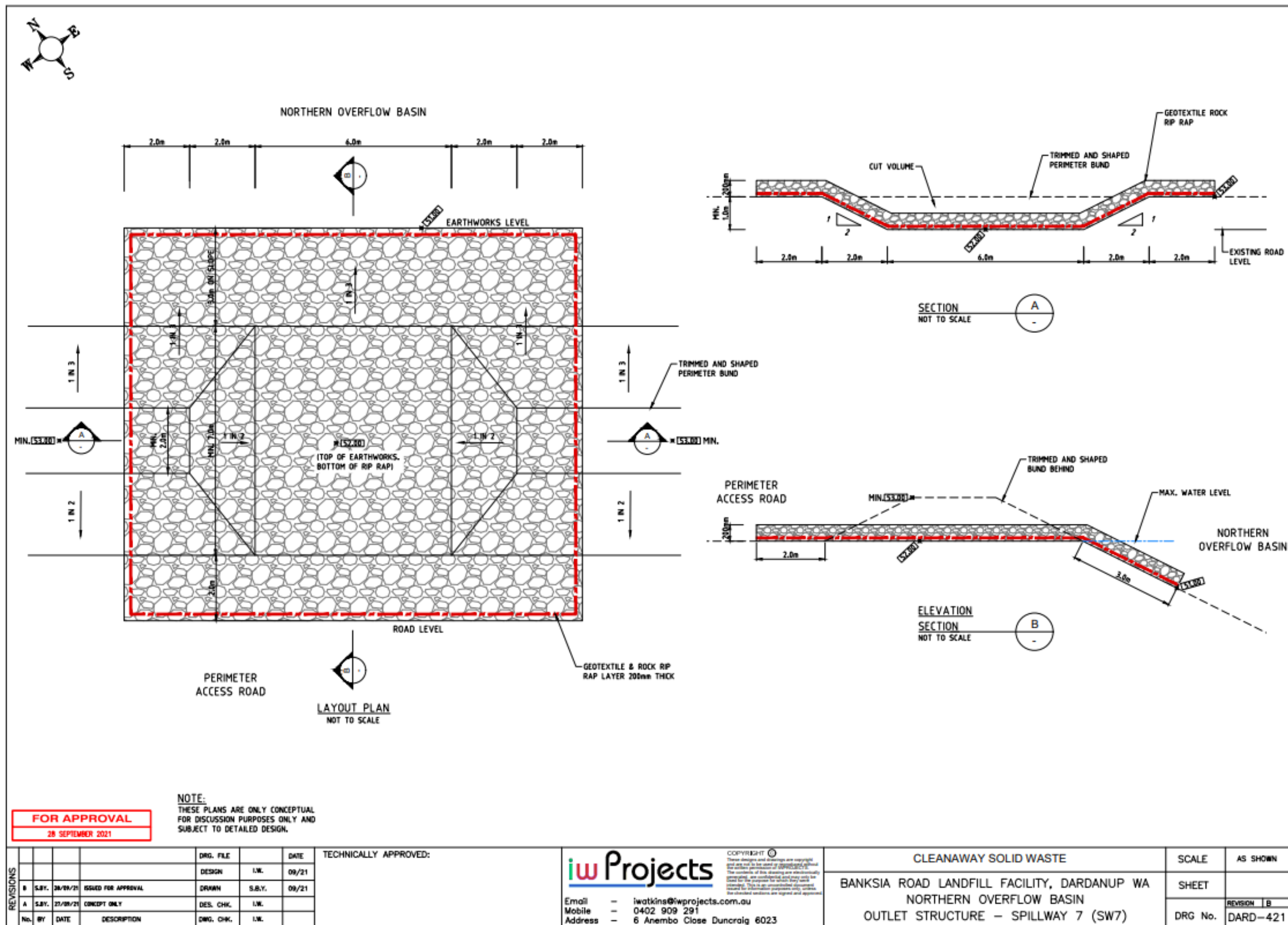


Figure 4: Northern Overflow Basin Outlet Structure

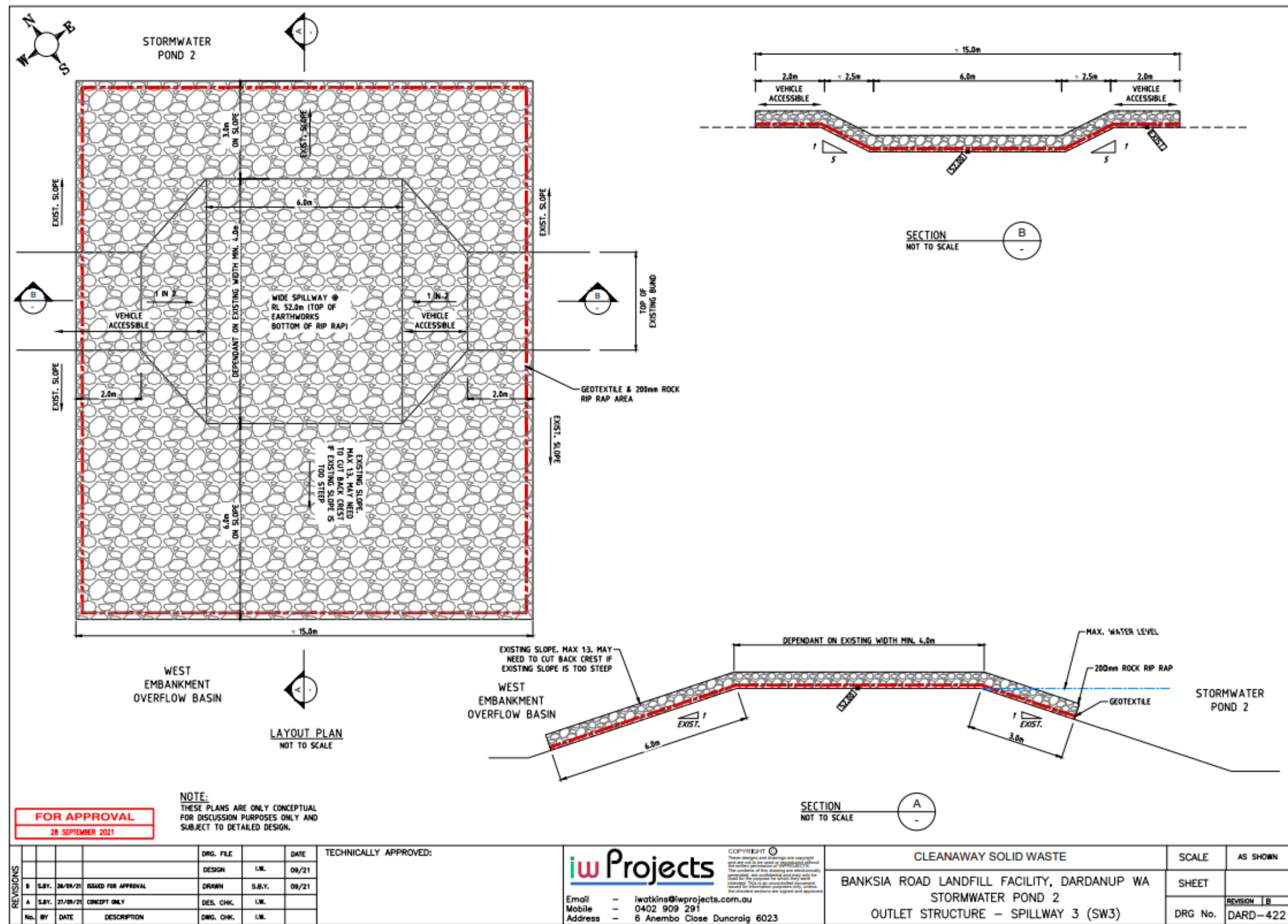


Figure 5: Stormwater Pond 2 Outlet Structure

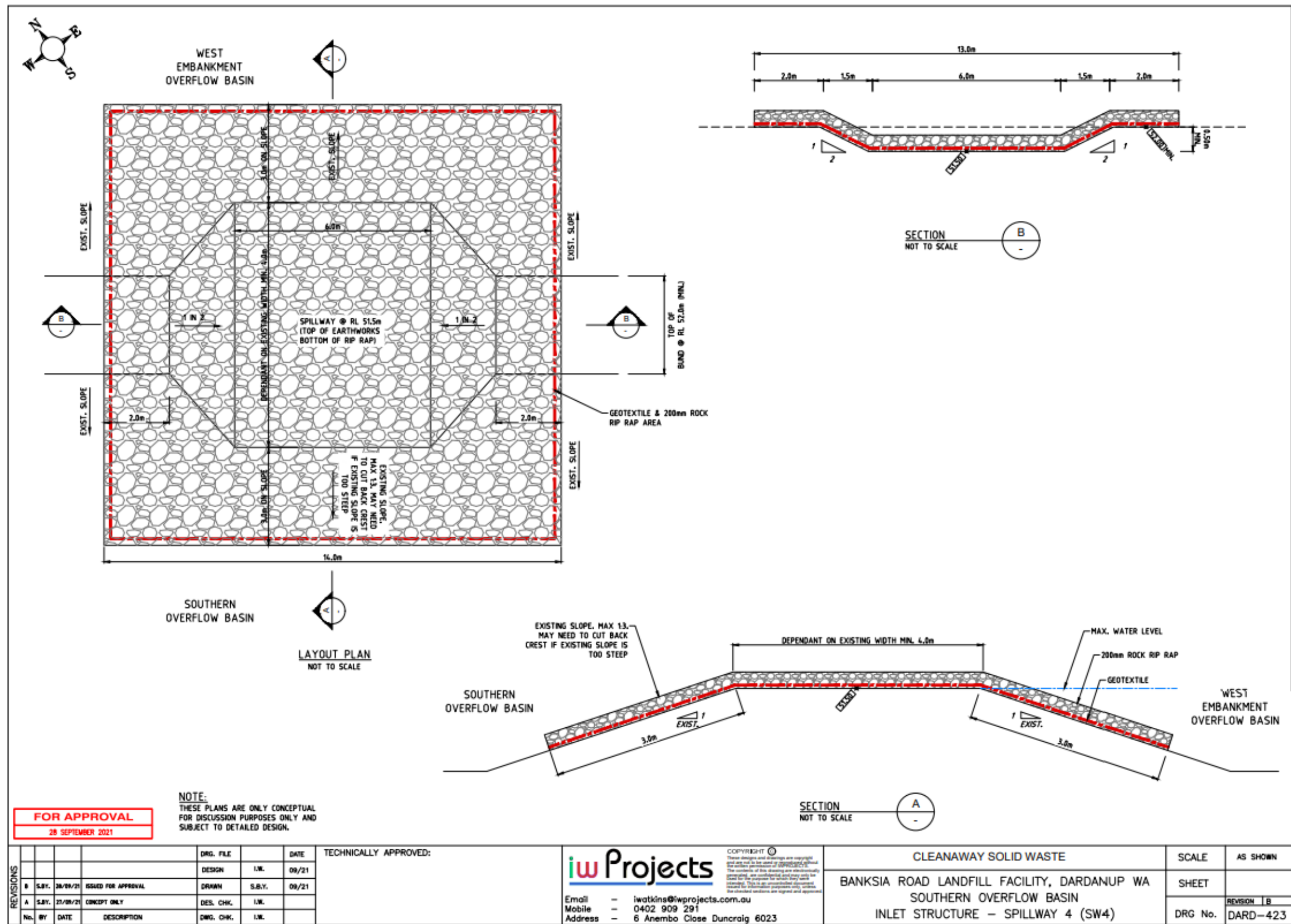


Figure 6: Southern Overflow Basin Inlet Structure

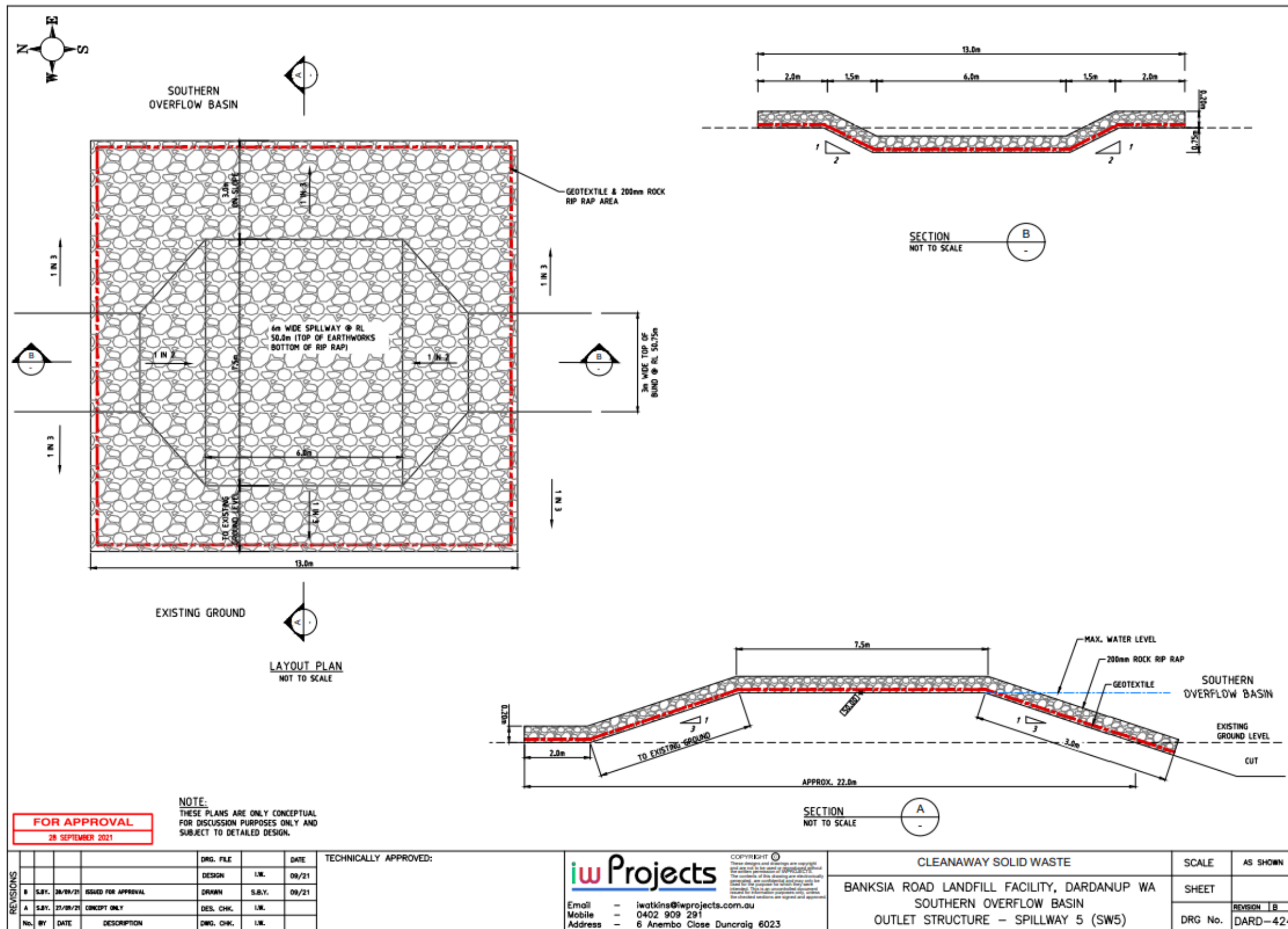
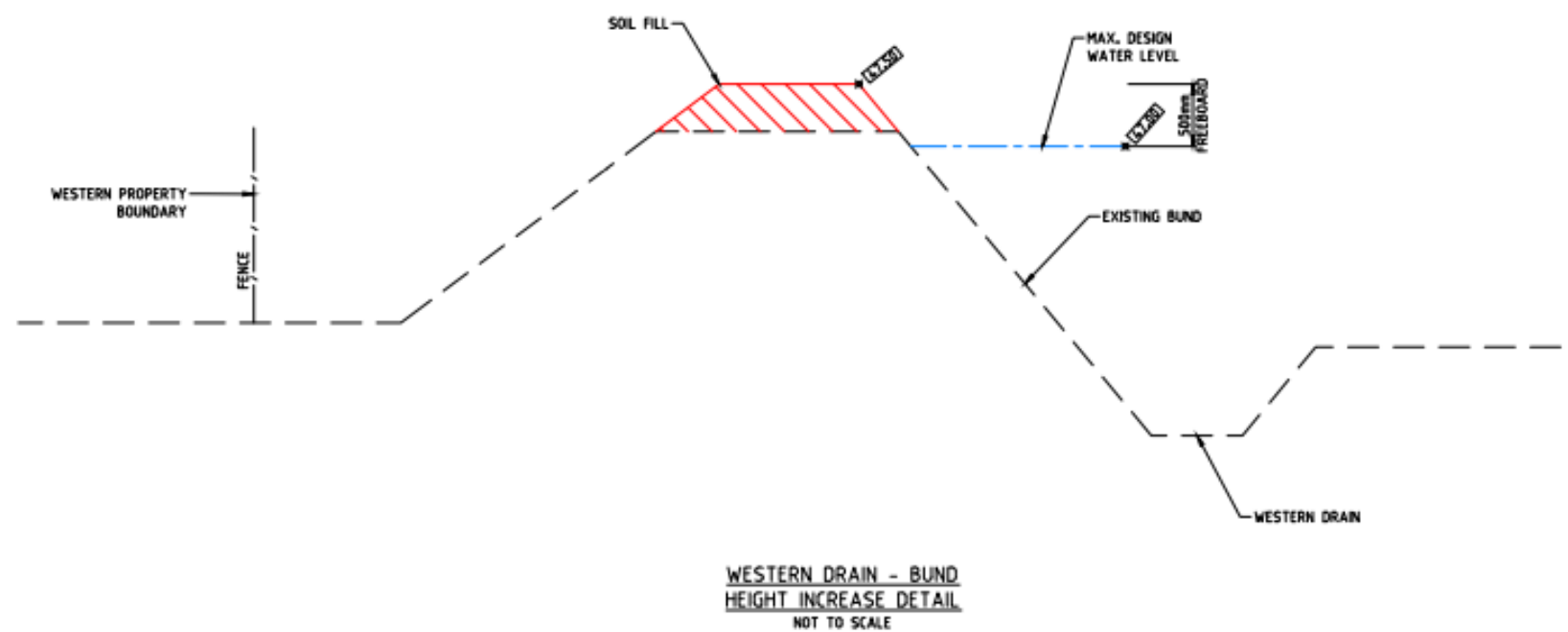


Figure 7: Southern Overflow Basin Outlet Structure



NOTE:
THESE PLANS ARE ONLY CONCEPTUAL
FOR DISCUSSION PURPOSES ONLY AND
SUBJECT TO DETAILED DESIGN.

FOR APPROVAL
28 SEPTEMBER 2021

REVISIONS	No.	BY	DATE	DESCRIPTION	DRG. FILE	I.W.	DATE	TECHNICALLY APPROVED:	iw Projects	COPYRIGHT © These designs and drawings are copyright and are not to be used or reproduced without the permission of iw Projects. The contents of this drawing are electronically generated, are confidential and may only be used for the purpose for which they were created. This is an uncontrolled document. Revised versions are signed and approved.	CLEANAWAY SOLID WASTE	SCALE	AS SHOWN
B	S.B.Y.	28/09/21	ISSUED FOR APPROVAL	DESIGN	I.W.	09/21					BANKSIA ROAD LANDFILL FACILITY, DARDANUP WA	SHEET	
A	S.B.Y.	27/09/21	CONCEPT ONLY	DES. CHK.	I.W.						WESTERN DRAIN BUND		REVISION B
				DRG. CHK.	I.W.						BUND HEIGHT INCREASE DETAIL	DRG No.	DARD-425

Figure 8: Western Drain Bund Height Increase

Schedule 2: Excised extractive industry boundary

The excised extractive industry operation is defined by the coordinates listed in Table 4 and outlined in .

Table 4: Excised extractive industry operation coordinates (GDA2020)

Easting	Northing
<u>Northern area</u>	
115.778	-33.427
115.781	-33.427
115.778	-33.428
115.780	-33.428
<u>Southern area</u>	
115.778	-33.421
115.778	-33.429
115.779	-33.429
115.779	-33.429
115.778	-33.421
115.779	-33.421

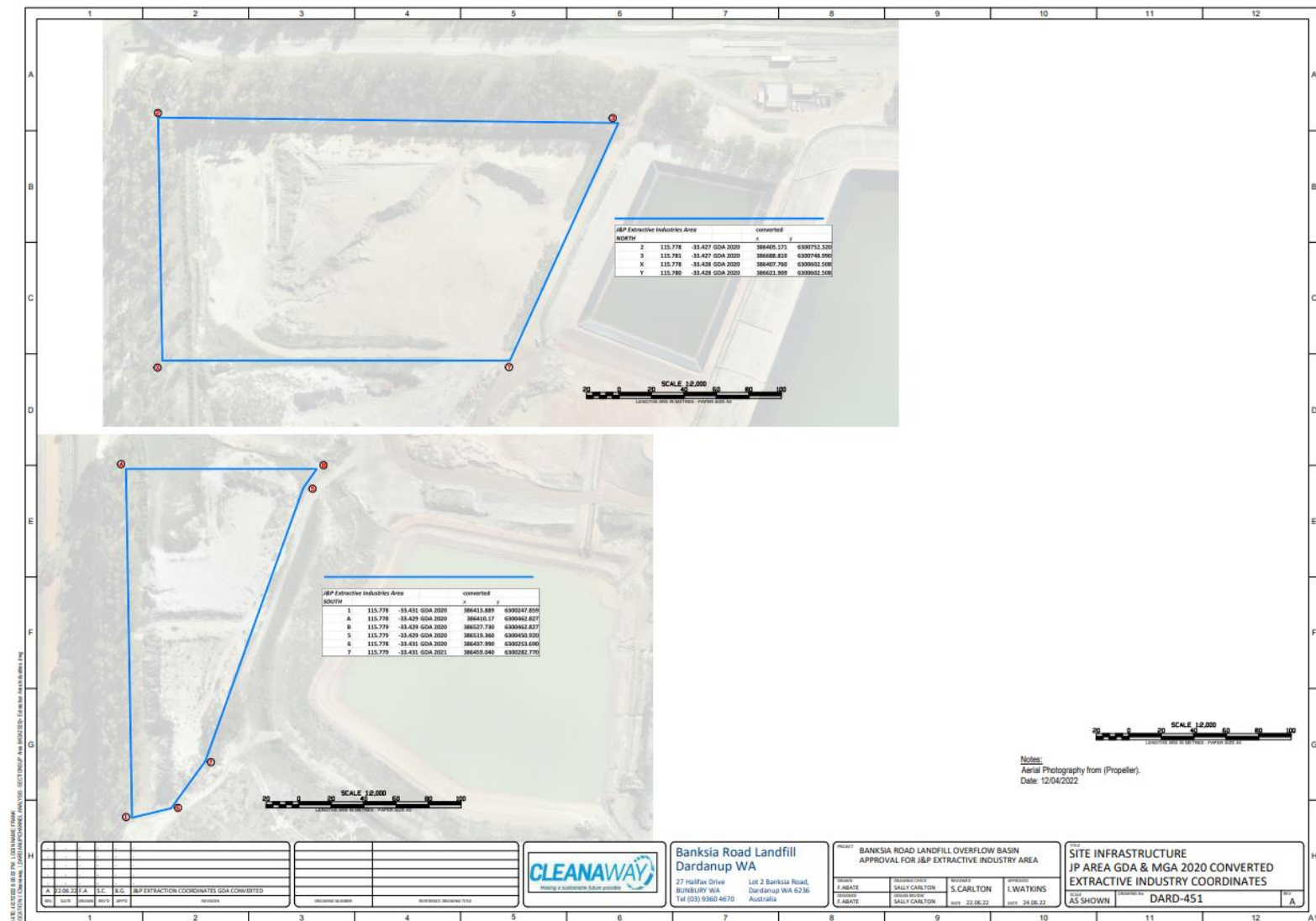


Figure 9: Excised extractive industry boundary

W6745/2022/1 (19 April 2023)
IR-T05 Works approval template (v6.0) (September 2022)