



**Works approval number** W6943/2024/1

**Works approval holder** Fulton Hogan Construction Pty Ltd  
**ACN** 010 240 758  
**Registered business address** Unit 4  
190 Main Street  
Osborne Park WA 6017

**DWER file number** DER2023/000403

**Duration** 21/11/2024 to 20/11/2029

**Date of issue** 21 November 2024

**Premises details** Rumah Baru Port Precinct  
Legal description -  
Part Lot 100 on Deposited Plan 18500  
Certificate of Title Volume 2103 Folio 109

<b>Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)</b>	<b>Assessed production / design capacity</b>
Category 58: Bulk material loading or unloading: premises on which clinker, coal, ore, ore concentrate or any other bulk granular material is loaded onto or unloaded from vessels by an open materials loading system.	1,200 tonnes per day
<b>Assessed activities directly related to the above categories</b>	
Clearing of 7.01 hectares of native vegetation in accordance with CPS 10428/1	

This works approval is granted to the works approval holder, subject to the attached conditions, on 21 November 2024, by:

**MANAGER WASTE INDUSTRIES**

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

## Works approval history

Date	Reference number	Summary of changes
21/11/24	W6943/2024/1	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.

This works approval does not provide any implied authorisation for the clearing of native vegetation in order to meet the conditions or activities specified in this works approval. The clearing of native vegetation requires a separate Native Vegetation Clearing Permit issued under the EP Act where an exemption does not apply.

# Works approval conditions

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

## Construction phase

### Environmental Management Plan (EMP)

1. The works approval holder must submit an Environmental Management Plan (EMP) to the CEO a minimum of 30 working days prior to construction activities commencing for the Material Offload Facility (MOF), as specified in Row 2 of Table 1.
2. The EMP specified in condition 1 must include as a minimum:
  - (a) Details of potential sources of environmental emissions;
  - (b) Mitigation and management measures to reduce and prevent the potential emissions provided in condition 2(a);
  - (c) Resources, Roles, and Responsibilities;
  - (d) Incident and emergency procedures;
  - (e) Monitoring, inspection, and auditing regimes;
  - (f) Reporting processes; and
  - (g) Review processes;
3. The works approval holder may only commence construction of the Material Offload Facility (MOF), as specified in Row 3 of Table 1 where the CEO has notified the works approval holder that the EMP as required by condition 1 meets the requirements of condition 2.
4. Subsequent to the EMP being approved as specified in condition 3, the works approval holder must submit all proposed revisions of the EMP, including rationale for the revisions, to the CEO for approval.

### 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 locationas set out in Table 1.

**Table 1: Design and construction / installation requirements**

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Stilling basin	<ol style="list-style-type: none"><li>(a) Constructed in accordance with Schedule 1, Figure 3.</li><li>(b) Pavement design of the general access areas and stockpile areas to consist of a 170 mm Type 2.1 granular material<sup>1</sup>. The existing topsoil is to be removed and the existing subgrade to be rolled and compacted prior to the installation of</li></ol>	Schedule 1, Figure 3

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		<p>the new 170 mm granular pavement layer.</p> <p>(c) The MOF abutment pavement design to consist of a 170 mm Type 2.1 granular material with a geofabric layer in accordance with AS3705 specifications. The subgrade is to consist of compacted sand with a California bearing ratio of 10%.</p> <p>(d) Hardstand areas to be graded to infiltration trenches with permeable Type 2.1 aggregate and aggregate sizes less than 9.5 mm.</p> <p><i>Note 1: Granular Pavement Materials Road Building - Model Specification (WALGA, July 2022)</i></p>	
2.	Monitoring well network for the Stilling basin	<p><u>Well design and construction:</u>  Designed and constructed in accordance with <i>ASTM D5092/D5092M-16: Standard practice for design and installation of groundwater monitoring bores</i>.  Four wells must be constructed in total, with one each at the corners of the Stilling basin footprint.  Well screens must target the part, or parts, of the aquifer most likely to be affected by contamination<sup>1</sup>. Where temporary/seasonal perched features are present, wells must be nested, and the perched features individually screened.  <i>Note 1: refer to Section 8 of Schedule B2 of the Assessment of Site Contamination NEPM for guidance on well screen depth and length.</i></p> <p><u>Logging of borehole:</u>  Soil samples must be collected and logged during the installation of the monitoring wells.  A record of the geology encountered during drilling must be described and classified in accordance with the Australian Standard Geotechnical Site Investigations AS1726.  Any observations of staining / odours or other indications of contamination must be included in the bore log.</p> <p><u>Well construction log:</u>  Well construction details must be documented within a well construction log to demonstrate compliance with <i>ASTM D5092/D5092M-16</i>. The construction logs shall include elevations of the top of casing position to be used as the reference point for water-level measurements, and the elevations of the ground surface protective installations.</p> <p><u>Well development:</u>  All installed monitoring wells must be developed after drilling to remove fine sand, silt, clay and any drilling mud residues from around the well screen to ensure the hydraulic functioning of the well. A detailed record</p>	Schedule 1, Figure 3

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		<p>should be kept of well development activities and included in the well construction log.</p> <p><u>Installation survey:</u> The vertical (top of casing) and horizontal position of each monitoring well must be surveyed and subsequently mapped by a suitably qualified surveyor.</p> <p><u>Well network map:</u> A well location map (using aerial image overlay) must be prepared and include the location of all monitoring wells in the monitoring network and their respective identification numbers.</p> <p><u>Timeframe:</u> Must be constructed, developed (purged), and determined to be operational prior to the commencement of time-limited operation of the Stilling basin under condition 7.</p>	
3.	Material Offload Facility (MOF)	<p>(a) Constructed in accordance with the drawings registered to R8129 Cocos (Keeling) Islands Runway Upgrade – Material Offload Facility (MOF) Permanent Design, Detailed Design Review, issued 13 February 2023 (and as specified in the drawing register depicted in Schedule 1, Figure 2).</p> <p>(b) The EMP, as specified in conditions 3 or 4, must be implemented during construction.</p>	Schedule 1, Figure 2

## Compliance reporting

- 6.** The works approval holder must within 60 calendar days of an item of infrastructure required by condition 5 being constructed and/or installed:
- undertake an audit of their compliance with the requirements of condition 5; and
  - 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:
- certification by a suitably qualified 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;
  - as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in condition 5;
  - labelled photographs of the constructed and/or installed infrastructure and equipment;
  - a groundwater well construction report evidencing compliance with the requirements of Row 2, Table 1;
  - the results of any monitoring undertaken as specified in the EMP, including:

- (i) surface water monitoring;
  - (ii) noise monitoring;
  - (iii) light monitoring;
  - (iv) benthic habitat monitoring;
  - (v) coast process monitoring; 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

8. The works approval holder may only commence time limited operations for an item of infrastructure identified in condition 5 where the Environmental Compliance Report as required by condition 6 has been submitted by the works approval holder for that item of infrastructure.
9. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 1 (as applicable):
- (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 8 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 9(a).

### Infrastructure and equipment

10. 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.	Stilling basin	<ul style="list-style-type: none"> <li>(a) Pavement design of the general access areas and stockpile areas to consist of a 170 mm Type 2.1 granular material<sup>1</sup>.</li> <li>(b) The MOF abutment pavement design to consist of a 170 mm Type 2.1 granular material with a geofabric layer in accordance with AS3705 specifications.</li> <li>(c) Hardstand areas to be graded to infiltration trenches with permeable Type 2.1 aggregate and aggregate sizes less than 9.5 mm.</li> <li>(d) Contaminated stormwater must not be discharged from the premises.</li> <li>(e) Infiltration drains must be maintained such that sediment is removed when the capacity is compromised.</li> </ul>	Schedule 1, Figure 3

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		<p>(f) Aggregate stockpiles must be managed such that deposition of fines into infiltration drains is minimised.</p> <p>(g) Stockpiles must be maintained at a height no greater than 3 metres.</p> <p>(h) A water tanker must be available for dust suppression when necessary to prevent dust emissions.</p> <p>(i) Hydrocarbon storage must be located within containment bunds with impermeable surfaces.</p> <p>(j) Trucks removing aggregate from the Stilling basin must be covered at all times or watered prior to leaving the premises.</p> <p>(k) The EMP, as specified in conditions 3 or 4, must be implemented during time-limited operations.</p> <p><i>Note 1: Granular Pavement Materials Road Building - Model Specification (WALGA, July 2022)</i></p>	
2.	Monitoring well network for the Stilling basin	Maintained to undertake monitoring in accordance with condition 11.	Schedule 1, Figure 3
3.	Material Offload Facility (MOF)	<p>(a) Bulk granular material accepted to the MOF is limited to roadbase and basecourse aggregate.</p> <p>(b) Acceptance of aggregate is limited to no more than 1,200 tonnes per day. The unloading of aggregate must occur via loaders using a roll-on roll-off (RORO) ramp.</p> <p>(c) Kerbing must be maintained along the MOF edge to prevent any dust, silt or sediment accumulation on the MOF deck from discharging into the environment.</p> <p>(d) Following each shipment of aggregate, areas must be cleaned where aggregate was loaded and displaced aggregate must be removed at the end of each shift to the Stilling basin stockpile area.</p> <p>(e) Contaminated stormwater must not be discharged from the premises.</p> <p>(f) A water tanker is to be made available at the MOF head to wet material as required to minimise dust generation during unloading activities.</p> <p>(g) The EMP, as specified in conditions 3 or 4, must be implemented during time-limited operations.</p>	Schedule 1, Figure 2

## Monitoring during time limited operations

11. The works approval holder must conduct a groundwater monitoring programme in accordance with the requirements specified in condition 13 and record the results of all monitoring activity conducted under that programme.
12. All sample analysis must be undertaken by laboratories with current accreditation from the National Association of Testing Authorities (NATA) for the relevant parameters, unless otherwise specified in Table 3.
13. The works approval holder must monitor groundwater for concentrations of the identified parameter(s) in accordance with Table 3.

**Table 3: Groundwater monitoring of ambient concentrations**

Monitoring well location	Parameter	Unit	Frequency	Method
Well monitoring network as specified in Row 2, Table 2	Standing water level <sup>1</sup>	m bgl and m AHD	Twice during time-limited operations, with at least 75 days between each monitoring event.	Spot sample, in accordance with AS/NZS 5667.11.
	Temperature	°C		
	Electrical conductivity (at 25°C) <sup>1</sup>	µS/cm		
	pH <sup>1</sup>	pH units		
	Total Dissolved Solids (TDS)	mg/L		
	Benzene			
	Ethylbenzene			
	Naphthalene			
	Toluene			
	Xylene			
	Total Recoverable Hydrocarbons (TRH)			
	Polycyclic aromatic hydrocarbons (PAH)			

Note 1: In-field non-NATA accredited analysis permitted.

14. The licence holder must adhere to the following field quality assurance and quality control procedures, as specified in Schedule B2 of the Assessment of Site Contamination NEPM, and must include as a minimum:
  - (a) decontamination procedures for the cleaning of tools and sampling equipment before sampling and between samples;
  - (b) field instrument calibration for instruments used on site;
  - (c) blind replicate samples and rinsate blanks must be collected in the field and sent to the primary laboratory to determine the precision of the field sampling and laboratory analytical program;
  - (d) completed field monitoring sheets / sampling logs for each sample collected, showing:
    - (i) time of collection;



- (ii) location of collection;
  - (iii) initials of sampler;
  - (iv) sampling method;
  - (v) field analysis results;
  - (vi) duplicate type / location (if relevant); and
  - (vii) site observations and weather conditions, and
- (e) chain-of-custody documentation must be completed which details the following information:
- (i) site identification;
  - (ii) the sampler;
  - (iii) nature of the sample;
  - (iv) collection time and date;
  - (v) analyses to be performed;
  - (vi) sample preservation method;
  - (vii) departure time from site;
  - (viii) dispatch courier(s); and
  - (ix) arrival time at the laboratory.

## Compliance reporting

- 15.** 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.
- 16.** The works approval holder must ensure the report required by condition 15 includes the following:
- (a) a summary of the time limited operations, including timeframes and amount of aggregate accepted;
  - (b) a summary of groundwater monitoring results obtained during time limited operations under condition 11;
  - (c) a summary of the environmental performance of all infrastructure as constructed or installed (as applicable);
  - (d) a review of performance and compliance against the conditions of the works approval;
  - (e) the results of any monitoring undertaken as specified in the EMP, including:
    - (i) surface water monitoring;
    - (ii) noise monitoring;
    - (iii) light monitoring;
    - (iv) benthic habitat monitoring;
    - (v) coast process monitoring; and
  - (f) 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)

- 17.** 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.
- 18.** 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 10;
  - (c) monitoring programmes undertaken in accordance with the EMP and condition 11; and
  - (d) complaints received under condition 17.
- 19.** The books specified under condition 18 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 4 have the meanings defined.

**Table 4: Definitions**

Term	Definition
AS 3705	means the Australian Standard <i>AS 3705 Geotextiles - Identification, marking and general data</i>
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 <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
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.
EMP	means the Environmental Management Plan approved by the Department in accordance with condition 3.
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 (WA)(CKI)</i> .
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)(CKI)</i> .
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 recognised by the Institute of Engineers; and (b) has a minimum of five years of experience working in a supervisory area of civil or structural engineering; and

Term	Definition
	(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
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.

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**END OF CONDITIONS**

## Schedule 1: Maps

### Premises map

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

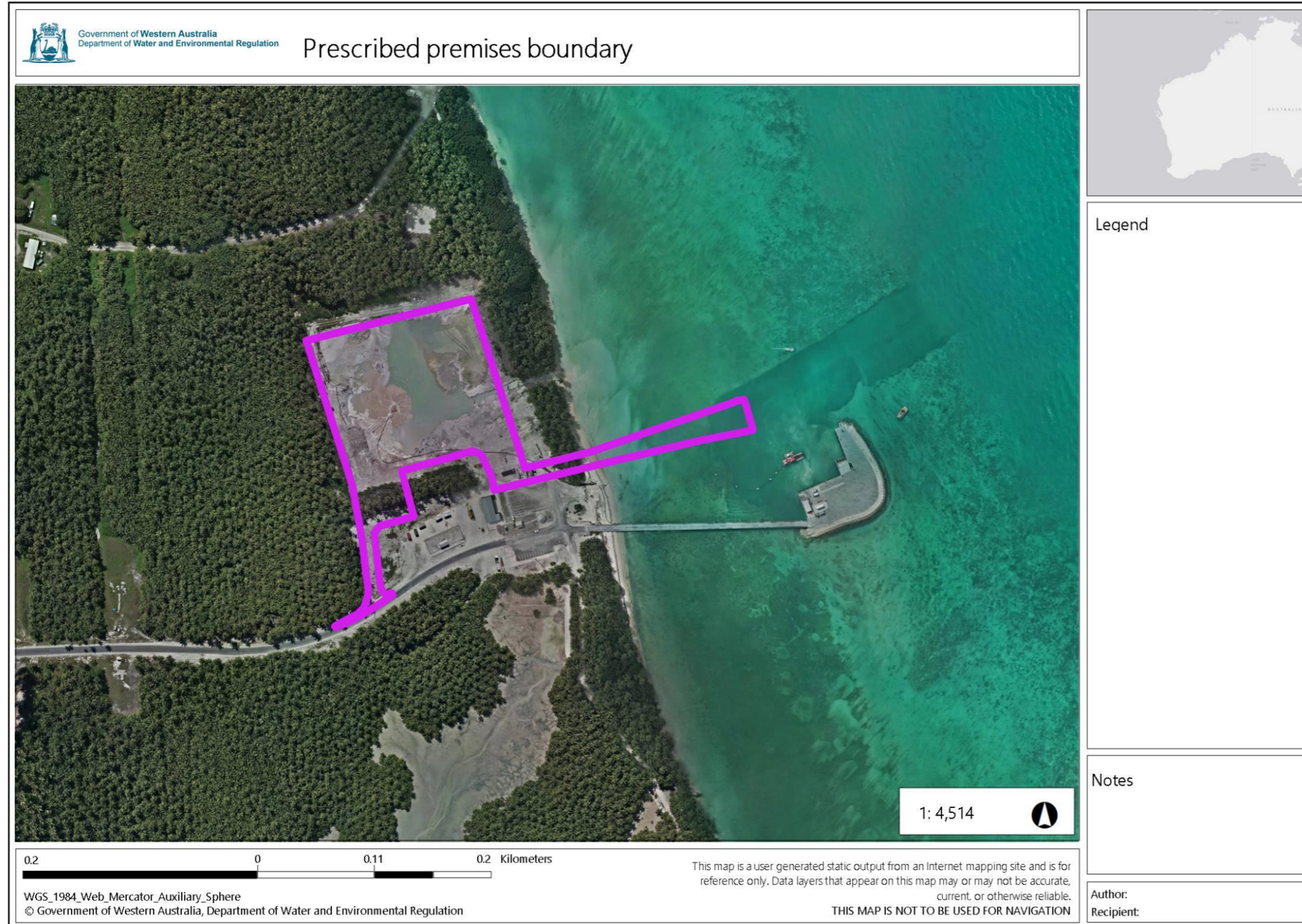


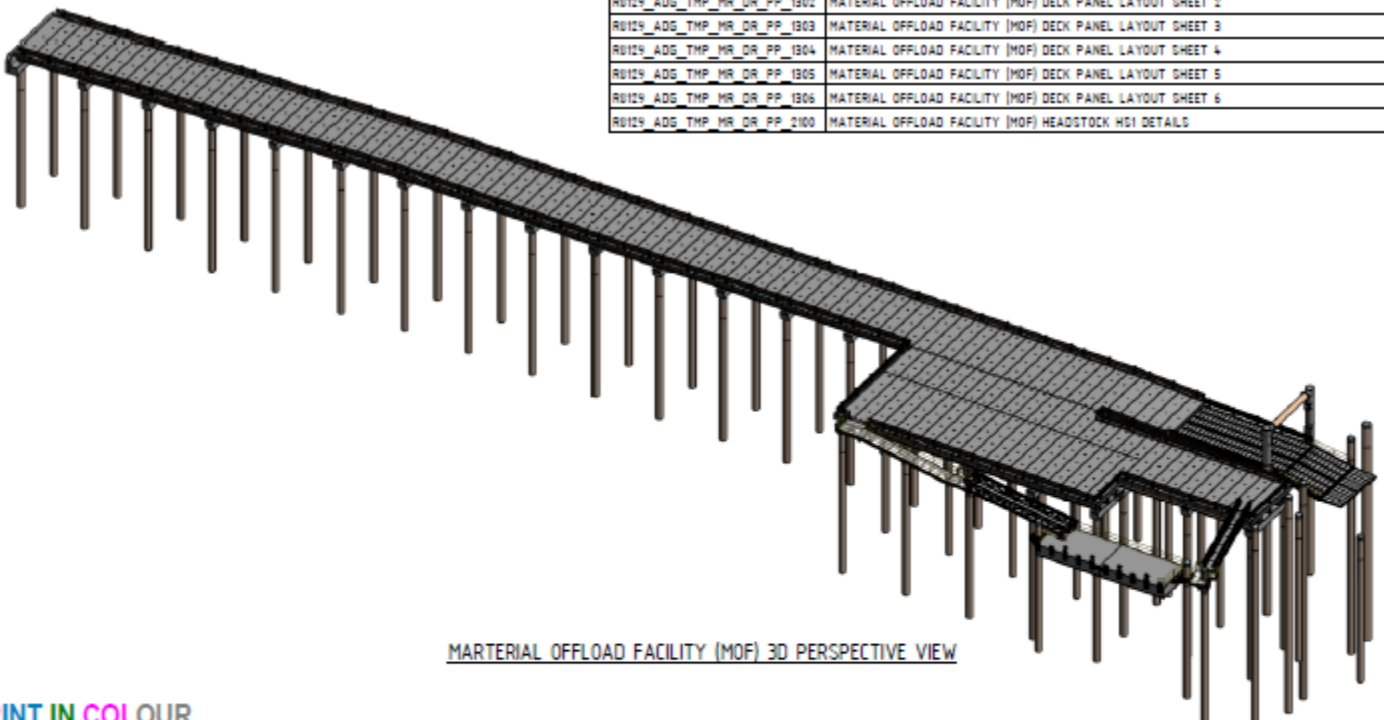
Figure 2: MOF cover sheet and drawing register

# R8129 COCOS (KEELING) ISLANDS RUNWAY UPGRADE

## MATERIAL OFFLOAD FACILITY (MOF) PERMANENT DESIGN

DRAWING REGISTER	
SHEET No.	SHEET NAME
R0129_ADD_TMP_MR_DR_PP_0001	MATERIAL OFFLOAD FACILITY (MOF) COVER SHEET AND DRAWING REGISTER
R0129_ADD_TMP_MR_DR_PP_0002	MATERIAL OFFLOAD FACILITY (MOF) GENERAL NOTES - SHEET 1
R0129_ADD_TMP_MR_DR_PP_0003	MATERIAL OFFLOAD FACILITY (MOF) GENERAL NOTES - SHEET 2
R0129_ADD_TMP_MR_DR_PP_0004	MATERIAL OFFLOAD FACILITY (MOF) GENERAL NOTES - SHEET 3
R0129_ADD_TMP_MR_DR_PP_0005	MATERIAL OFFLOAD FACILITY (MOF) GENERAL NOTES - SHEET 4
R0129_ADD_TMP_MR_DR_PP_1000	MATERIAL OFFLOAD FACILITY (MOF) SITE PLAN
R0129_ADD_TMP_MR_DR_PP_1001	MATERIAL OFFLOAD FACILITY (MOF) GENERAL ARRANGEMENT
R0129_ADD_TMP_MR_DR_PP_1002	MATERIAL OFFLOAD FACILITY (MOF) SECTIONS SHEET 1
R0129_ADD_TMP_MR_DR_PP_1003	MATERIAL OFFLOAD FACILITY (MOF) SECTIONS SHEET 2
R0129_ADD_TMP_MR_DR_PP_1004	MATERIAL OFFLOAD FACILITY (MOF) SECTIONS SHEET 3
R0129_ADD_TMP_MR_DR_PP_1005	MATERIAL OFFLOAD FACILITY (MOF) SECTIONS SHEET 4
R0129_ADD_TMP_MR_DR_PP_1010	MATERIAL OFFLOAD FACILITY (MOF) LOADING PLAN
R0129_ADD_TMP_MR_DR_PP_1100	MATERIAL OFFLOAD FACILITY (MOF) PILING PLAN
R0129_ADD_TMP_MR_DR_PP_1101	MATERIAL OFFLOAD FACILITY (MOF) PILING SCHEDULE
R0129_ADD_TMP_MR_DR_PP_1102	MATERIAL OFFLOAD FACILITY (MOF) PILE DRIVING SHOE DETAILS
R0129_ADD_TMP_MR_DR_PP_1201	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER LAYOUT SHEET 1
R0129_ADD_TMP_MR_DR_PP_1202	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER LAYOUT SHEET 2
R0129_ADD_TMP_MR_DR_PP_1203	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER LAYOUT SHEET 3
R0129_ADD_TMP_MR_DR_PP_1204	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER LAYOUT SHEET 4
R0129_ADD_TMP_MR_DR_PP_1205	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER LAYOUT SHEET 5
R0129_ADD_TMP_MR_DR_PP_1206	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER LAYOUT SHEET 6
R0129_ADD_TMP_MR_DR_PP_1301	MATERIAL OFFLOAD FACILITY (MOF) DECK PANEL LAYOUT SHEET 1
R0129_ADD_TMP_MR_DR_PP_1302	MATERIAL OFFLOAD FACILITY (MOF) DECK PANEL LAYOUT SHEET 2
R0129_ADD_TMP_MR_DR_PP_1303	MATERIAL OFFLOAD FACILITY (MOF) DECK PANEL LAYOUT SHEET 3
R0129_ADD_TMP_MR_DR_PP_1304	MATERIAL OFFLOAD FACILITY (MOF) DECK PANEL LAYOUT SHEET 4
R0129_ADD_TMP_MR_DR_PP_1305	MATERIAL OFFLOAD FACILITY (MOF) DECK PANEL LAYOUT SHEET 5
R0129_ADD_TMP_MR_DR_PP_1306	MATERIAL OFFLOAD FACILITY (MOF) DECK PANEL LAYOUT SHEET 6
R0129_ADD_TMP_MR_DR_PP_2100	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK HSI DETAILS

DRAWING REGISTER	
SHEET No.	SHEET NAME
R0129_ADD_TMP_MR_DR_PP_2101	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK H02A DETAILS
R0129_ADD_TMP_MR_DR_PP_2102	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK H02B DETAILS
R0129_ADD_TMP_MR_DR_PP_2103	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK H02C DETAILS
R0129_ADD_TMP_MR_DR_PP_2104	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK H02D DETAILS
R0129_ADD_TMP_MR_DR_PP_2105	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK A81 DETAILS
R0129_ADD_TMP_MR_DR_PP_2110	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK H01 REINFORCEMENT DETAILS
R0129_ADD_TMP_MR_DR_PP_2111	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK H02A REINFORCEMENT DETAILS
R0129_ADD_TMP_MR_DR_PP_2112	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK H02B REINFORCEMENT DETAILS
R0129_ADD_TMP_MR_DR_PP_2113	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK H02C REINFORCEMENT DETAILS
R0129_ADD_TMP_MR_DR_PP_2114	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK H02D REINFORCEMENT DETAILS
R0129_ADD_TMP_MR_DR_PP_2115	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK A81 REINFORCEMENT DETAILS
R0129_ADD_TMP_MR_DR_PP_2120	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK PILE DETAILS
R0129_ADD_TMP_MR_DR_PP_2121	MATERIAL OFFLOAD FACILITY (MOF) HEADSTOCK H02 SPICE DETAILS
R0129_ADD_TMP_MR_DR_PP_2200	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER DETAILS SHEET 1
R0129_ADD_TMP_MR_DR_PP_2201	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER DETAILS SHEET 2
R0129_ADD_TMP_MR_DR_PP_2202	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER DETAILS SHEET 3
R0129_ADD_TMP_MR_DR_PP_2203	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER DETAILS SHEET 4
R0129_ADD_TMP_MR_DR_PP_2204	MATERIAL OFFLOAD FACILITY (MOF) DECK GIRDER DETAILS SHEET 5
R0129_ADD_TMP_MR_DR_PP_2300	MATERIAL OFFLOAD FACILITY (MOF) PRECAST DECK PANELS SHEET 1
R0129_ADD_TMP_MR_DR_PP_2301	MATERIAL OFFLOAD FACILITY (MOF) PRECAST DECK PANELS SHEET 2
R0129_ADD_TMP_MR_DR_PP_2302	MATERIAL OFFLOAD FACILITY (MOF) PRECAST DECK PANELS SHEET 3
R0129_ADD_TMP_MR_DR_PP_2400	MATERIAL OFFLOAD FACILITY (MOF) RORO PLAN
R0129_ADD_TMP_MR_DR_PP_2401	MATERIAL OFFLOAD FACILITY (MOF) RORO SECTIONS
R0129_ADD_TMP_MR_DR_PP_2402	MATERIAL OFFLOAD FACILITY (MOF) RORO OPERATING LIMITS
R0129_ADD_TMP_MR_DR_PP_2410	MATERIAL OFFLOAD FACILITY (MOF) RORO CONNECTION BEAM DETAILS
R0129_ADD_TMP_MR_DR_PP_2420	MATERIAL OFFLOAD FACILITY (MOF) RORO ARTICULATED RAMP DETAILS
R0129_ADD_TMP_MR_DR_PP_2421	MATERIAL OFFLOAD FACILITY (MOF) RORO ARTICULATED RAMP DETAILS
R0129_ADD_TMP_MR_DR_PP_2430	MATERIAL OFFLOAD FACILITY (MOF) RORO FLIPPER DETAILS
R0129_ADD_TMP_MR_DR_PP_2440	MATERIAL OFFLOAD FACILITY (MOF) RORO FINGER DETAILS
R0129_ADD_TMP_MR_DR_PP_2450	MATERIAL OFFLOAD FACILITY (MOF) RORO PILE CAP DETAILS
R0129_ADD_TMP_MR_DR_PP_2500	MATERIAL OFFLOAD FACILITY (MOF) GUARDRAIL DETAIL
R0129_ADD_TMP_MR_DR_PP_2600	MATERIAL OFFLOAD FACILITY (MOF) PONTOON ACCESS RAMP
R0129_ADD_TMP_MR_DR_PP_2601	MATERIAL OFFLOAD FACILITY (MOF) PONTOON ACCESS RAMP SECTIONS
R0129_ADD_TMP_MR_DR_PP_2602	MATERIAL OFFLOAD FACILITY (MOF) PONTOON ACCESS RAMP SECTIONS
R0129_ADD_TMP_MR_DR_PP_2650	MATERIAL OFFLOAD FACILITY (MOF) PONTOON ARRANGEMENT
R0129_ADD_TMP_MR_DR_PP_2651	MATERIAL OFFLOAD FACILITY (MOF) PONTOON DETAILS SHEET 1
R0129_ADD_TMP_MR_DR_PP_2652	MATERIAL OFFLOAD FACILITY (MOF) PONTOON DETAILS SHEET 2
R0129_ADD_TMP_MR_DR_PP_2653	MATERIAL OFFLOAD FACILITY (MOF) PONTOON LADDER DETAILS
R0129_ADD_TMP_MR_DR_PP_2655	MATERIAL OFFLOAD FACILITY (MOF) PONTOON PILE BRACKET DETAIL
R0129_ADD_TMP_MR_DR_PP_2700	MATERIAL OFFLOAD FACILITY (MOF) MOORING PILE ACCESS PLATFORM
R0129_ADD_TMP_MR_DR_PP_9000	MATERIAL OFFLOAD FACILITY (MOF) ELECTRICAL SERVICES LEGEND AND SCOPE OF WORKS
R0129_ADD_TMP_MR_DR_PP_9100	MATERIAL OFFLOAD FACILITY (MOF) ELECTRICAL SERVICES GENERAL ARRANGEMENT SHEET 1
R0129_ADD_TMP_MR_DR_PP_9101	MATERIAL OFFLOAD FACILITY (MOF) ELECTRICAL SERVICES GENERAL ARRANGEMENT SHEET 2
R0129_ADD_TMP_MR_DR_PP_9200	MATERIAL OFFLOAD FACILITY (MOF) ELECTRICAL SERVICES ELECTRICAL DETAILS
R0129_ADD_TMP_MR_DR_PP_9300	MATERIAL OFFLOAD FACILITY (MOF) ELECTRICAL SERVICES ELECTRICAL SCHEMATICS



MATERIAL OFFLOAD FACILITY (MOF) 3D PERSPECTIVE VIEW

**PRINT IN COLOUR**

NO.	DATE	DESCRIPTION	BY	CHKD	APPD	REVISIONS
D	18.02.23	DC	AH	-	-	DDR ISSUE
E	21.12.22	DC	AH	-	-	GRAPP DDR
F	22.12.22	DC	AH	-	-	REVIEW COMMENTS INCLUDED
A	22.12.22	DC	AH	-	-	DDR ISSUE

**ADG** Aviation Design Group

**Fulton Hogan**

Aviation Government  
Department of Defense  
Design and Construction Group

PROJECT: R0129 COCOS (KEELING) ISLANDS RUNWAY UPGRADE

ISSUE NO: 001

DATE: 22/12/22

BY: AH

CHKD: -

APPD: -

MATERIAL OFFLOAD FACILITY (MOF)  
COVER SHEET AND DRAWING REGISTER

Figure 3: Stilling basin compound

