



22 December 2020

Anoop Pillai  
North Queensland Bulk Ports Corporation  
Level 1, Waterfront Place, Mulherin Drive  
MACAY HARBOUR QLD 4740

Email: [apillai@nqbp.com.au](mailto:apillai@nqbp.com.au)

Dear Anoop,

**DEVELOPMENT APPROVAL PACKAGE FOR OPERATIONAL WORKS BEING TIDAL WORKS ON LAND DESCRIBED AS LOT 59 SP115940 AND LOT 63 SP143358, AT THE PORT OF MACKAY**

**NQBP Reference:** PL/04/02/00010

North Queensland Bulk Ports Corporation Ltd (NQBP) wish to advise that your development application seeking approval for operational works being tidal works for the construction of a tug berth facility at the Port of Mackay was approved in full subject to conditions on 22 December 2020.

Approval has been given with respect to Schedule 10, Part 17, Division 1 of the of the *Planning Act 2016* and Port Development Approval under the Port of Mackay Land Use Plan (November 2009).

You are strongly advised to read and familiarise yourself with each of the enclosures applicable to this approvals package.

If you have any queries regarding the approvals package, please contact the undersigned.

Yours sincerely

Julie Keane  
**Principal, Development Advisor**

Telephone: (07) 3011 7912  
Email: [JKeane@nqbp.com.au](mailto:JKeane@nqbp.com.au)  
Doc Reference: E19/00109

Enc: Decision notice issued under to s 63 of the *Planning Act 2016*  
Port development approval issued under the Port of Mackay Land Use Plan (November 2009).  
Approved drawings  
Cc: State Assessment and Referral Agency  
Mackay Regional Council

**BRISBANE OFFICE**  
GPO Box 409 Brisbane  
Queensland 4001

P 07 3011 7900 F 07 3011 7999  
[nqbp.com.au](http://nqbp.com.au) [info@nqbp.com.au](mailto:info@nqbp.com.au)

**MACKAY OFFICE**  
Level 1 Waterfront Place  
Mulherin Drive Mackay Harbour  
Queensland 4740

P 07 4969 0700 F 07 4969 0799  
[nqbp.com.au](http://nqbp.com.au) [info@nqbp.com.au](mailto:info@nqbp.com.au)

Level 1, Waterfront Place, Mulherin Drive Mackay Harbour Queensland is the Registered Office of:

**NORTH QUEENSLAND BULK PORTS CORPORATION LIMITED**

ACN 136 880 218 • ABN 36 136 880 218

**PORTS CORPORATION OF QUEENSLAND LIMITED**

ACN 126 302 994 • ABN 49 657 447 879

**MACKAY PORTS LIMITED**

ACN 131 965 707 • ABN 69 131 965 707

**HAY POINT • MACKAY • ABBOT POINT • WEIPA**

## Decision Notice

Planning Act 2016 s.63

### 1. Details of approval

<i>Applicant name:</i>	North Queensland Bulk Ports Corporation
<i>Approved development:</i>	Operational works as described in Schedule 10, Part 17, Division 1, being tidal works for the development and operation of a tug berthing facility at the Port of Mackay
<i>Date of decision</i>	22 December 2020
<i>Aspect of development:</i>	<input type="checkbox"/> Material change of use <input type="checkbox"/> Reconfiguring a lot <input checked="" type="checkbox"/> Operational work <input type="checkbox"/> Building work
<i>Decision:</i>	<input type="checkbox"/> Preliminary approval only (with conditions) <input type="checkbox"/> Part approval only (with conditions) <input type="checkbox"/> Part approval only (without conditions) <input checked="" type="checkbox"/> Approval (with conditions)

### 1. Property description of proposed development

<i>Port:</i>	MACKAY
<i>Street address:</i>	Ken White Avenue, Mackay Harbour
<i>Real property description:</i>	Lot 59 SP115940 and Lot 63 SP143358
<i>Local government area:</i>	Mackay Regional Council

### 2. Approved drawings and documents

The following drawings and documents have been approved. Copies of approved drawings are provided in an enclosure.

<i>Drawing or document</i>	<i>Number</i>	<i>Date / revision</i>
Drawing Index and Locality Plan	IW243500-CM-IFT-DRG-001	02/10/2020 Rev 1
Overall Layout of Tug Berth	IW243500-CM-IFT-DRG-002	02/10/2020 Rev 1
General Arrangement and Elevation of Pontoon	IW243500-CM-IFT-DRG-003	02/10/2020 Rev 1
General Arrangement of Abutment and Gangway	IW243500-CM-IFT-DRG-004	02/10/2020 Rev 1
Pile Details and Set-out Drawing	IW243500-CM-IFT-DRG-005	02/10/2020 Rev 1
Draft Construction Environmental Management Plan	IH154300.A.CS.EV-NP-RPT-0002	15/10/2018 Rev 1

### **3. Referral agency response**

The development application was referred to the Department of State Development, Manufacturing, Industry and Planning under the following provision of the Planning Regulation 2017:

- 10.17.3.1.1 Tidal works or work in a coastal management district (Coastal Assessment)
- 10.17.3.2.1 Tidal works or work in a coastal management district (Maritime Assessment)

### **4. Additional development permits**

This development permit is limited to the development described in section 1 above. At no time should this document be interpreted to imply approval to any other development, operation or land use.

### **5. Currency period for the approval**

In accordance with Section 85 of the *Planning Act 2016*, this development approval will lapse if the approved development does not substantially commence within four (4) years of the date of this Decision Notice.

### **6. Rights of appeal**

The rights of applicants to appeal to a tribunal or the Planning and Environment Court against decisions about a development application are set out in chapter 6, part 1 of the *Planning Act 2016*. For particular applications, there may also be a right to make an application for a declaration by a tribunal (see chapter 6, part 2 of the *Planning Act 2016*).

A copy of the relevant appeal provisions is attached.

Further information may be obtained from the Planning and Environment Court website:

<http://www.courts.qld.gov.au/courts/planning-and-environment-court>

Attachment 1

ASSESSMENT MANAGER CONDITIONS

Condition		Timing																					
<b>Carry out the approved development</b>																							
<p>1. The development must be undertaken generally in accordance with the plans and supporting documentation referenced in the table below and attached which form part of this approval, unless otherwise specified by any condition of this approval.</p> <table border="1"> <thead> <tr> <th>Drawing or document</th> <th>Number</th> <th>Date / revision</th> </tr> </thead> <tbody> <tr> <td>Drawing Index and Locality Plan</td> <td>IW243500-CM-IFT-DRG-001</td> <td>02/10/2020 Rev 1</td> </tr> <tr> <td>Overall Layout of Tug Berth</td> <td>IW243500-CM-IFT-DRG-002</td> <td>02/10/2020 Rev 1</td> </tr> <tr> <td>General Arrangement and Elevation of Pontoon</td> <td>IW243500-CM-IFT-DRG-003</td> <td>02/10/2020 Rev 1</td> </tr> <tr> <td>General Arrangement of Abutment and Gangway</td> <td>IW243500-CM-IFT-DRG-004</td> <td>02/10/2020 Rev 1</td> </tr> <tr> <td>Pile Details and Set-out Drawing</td> <td>IW243500-CM-IFT-DRG-005</td> <td>02/10/2020 Rev 1</td> </tr> <tr> <td>Draft Construction Environmental Management Plan</td> <td>IH154300.A.CS.EV-NP-RPT-0002</td> <td>15/10/2018 Rev 1</td> </tr> </tbody> </table>		Drawing or document	Number	Date / revision	Drawing Index and Locality Plan	IW243500-CM-IFT-DRG-001	02/10/2020 Rev 1	Overall Layout of Tug Berth	IW243500-CM-IFT-DRG-002	02/10/2020 Rev 1	General Arrangement and Elevation of Pontoon	IW243500-CM-IFT-DRG-003	02/10/2020 Rev 1	General Arrangement of Abutment and Gangway	IW243500-CM-IFT-DRG-004	02/10/2020 Rev 1	Pile Details and Set-out Drawing	IW243500-CM-IFT-DRG-005	02/10/2020 Rev 1	Draft Construction Environmental Management Plan	IH154300.A.CS.EV-NP-RPT-0002	15/10/2018 Rev 1	At all times.
Drawing or document	Number	Date / revision																					
Drawing Index and Locality Plan	IW243500-CM-IFT-DRG-001	02/10/2020 Rev 1																					
Overall Layout of Tug Berth	IW243500-CM-IFT-DRG-002	02/10/2020 Rev 1																					
General Arrangement and Elevation of Pontoon	IW243500-CM-IFT-DRG-003	02/10/2020 Rev 1																					
General Arrangement of Abutment and Gangway	IW243500-CM-IFT-DRG-004	02/10/2020 Rev 1																					
Pile Details and Set-out Drawing	IW243500-CM-IFT-DRG-005	02/10/2020 Rev 1																					
Draft Construction Environmental Management Plan	IH154300.A.CS.EV-NP-RPT-0002	15/10/2018 Rev 1																					
<p>2. “For construction” drawings certified by an RPEQ and generally in accordance with the drawings described in Condition 1 and the Guideline: Building and engineering standards for tidal works (EM 2093) must be submitted for review and approval to NQBP via <a href="mailto:approvals@nqbp.com.au">approvals@nqbp.com.au</a>.</p>		Four (4) weeks prior to commencement of works.																					
<p>3. a) Provide written notification to NQBP Approvals, via <a href="mailto:approvals@nqbp.com.au">approvals@nqbp.com.au</a>, when development is scheduled to commence.</p> <p>b) Provide written notification to NQBP Approvals, via <a href="mailto:approvals@nqbp.com.au">approvals@nqbp.com.au</a>, when development is completed</p>		<p>a) At least two (2) weeks prior to commencement of works.</p> <p>b) Within two (2) weeks of completion of works.</p>																					

Condition	Timing
<b>Environmental management</b>	
<p>4. A final Construction Environmental Management Plan is to be submitted for review and approval to NQBP via <a href="mailto:approvals@nqbp.com.au">approvals@nqbp.com.au</a>. The CEMP is to incorporate the following minimum requirements:</p> <ul style="list-style-type: none"> <li>• Detailed methodology for installation of piles</li> <li>• Erosion and sediment control measures</li> <li>• Measures to manage interactions with marine fauna, being a requirement to stop work where marine mammals or marine turtles are within 100 m of the area of works</li> <li>• Measures to minimise and manage spills from construction equipment</li> <li>• Measures to minimise and manage noise and dust emissions</li> </ul>	<p>Four (4) weeks prior to commencement of works.</p>
<b>Site Management</b>	
<p>5. A Construction Traffic Management Plan is to be submitted for review and approval by NQBP, via <a href="mailto:approvals@nqbp.com.au">approvals@nqbp.com.au</a>.</p>	<p>Two (2) weeks prior to commencement of works.</p>
<p>6. The release of sediment or sediment laden stormwater from the site must be minimised by implementing best industry practice for sediment and stormwater control.</p>	<p>At all times.</p>
<p>7. All waste must be removed from the site and taken to a licenced waste management facility on a regular basis. No waste is to be burned or buried on site.</p>	<p>At all times.</p>

**Attachment 2**

---

**REFERRAL AGENCY RESPONSE**

Agency	Reference	Date received
State Assessment and Referral Agency	1810-7904 SRA	27/10/2020



## Queensland Treasury

Our reference: 1810-7904 SRA  
Your reference: PL/04/02/00010

27 October 2020

The North Queensland Bulk Ports  
GPO Box 409  
BRISBANE QLD 4001  
Email: [planning@nqbp.com.au](mailto:planning@nqbp.com.au)

**Attention: Ms Julie Keane**

Dear Ms Keane

### Changed referral agency response—with conditions

(Given under section 28 of the Development Assessment Rules)

On 20 October 2020, the State Assessment and Referral Agency (SARA) received notice of a change to the development application described below. SARA has assessed the changes and now provides this changed referral agency response which replaces the response dated 19 December 2018.

#### Applicant details

---

Applicant name: North Queensland Bulk Ports  
Applicant contact details: Level 1, 50 Mulherin Dr  
North Mackay QLD 4740  
Email: [apillai@nqbp.com.au](mailto:apillai@nqbp.com.au)

#### Location details

---

Street address: Ken White Avenue, Mackay Harbour QLD  
Real property description: Lot 59 on SP115940 and Lot 63 on SP143358  
Local government area: Mackay Regional Council

#### Application details

---

Development permit: Operational work for Tidal Works for the development of tug berthing facilities within the Mackay Harbour.

#### Referral triggers

The development application was referred to SARA under the following provisions of the Planning Regulation 2017:

- 10.17.3.1.1 Tidal works or work in a coastal management district (Coastal assessment)
- 10.17.3.2.1 Tidal works or work in a coastal management district (Maritime safety)

### Conditions

Under section 56(1)(b)(i) of the *Planning Act 2016*, the conditions set out in Attachment 1 must be attached to any development approval.

### Reasons for decision to impose conditions

SARA must provide reasons for the decision to impose conditions. These reasons are set out in Attachment 2.

### Advice to the applicant

SARA offers advice about condition 9 to the applicant—see Attachment 3.

### Approved plans

SARA requires that the plans set out below and enclosed must be attached to any development approval.

Drawing/report title	Prepared by	Date	Reference no.	Version/issue
<b>Aspect of development: Operational work</b>				
Locality plan and drawing index <b><u>Drawing index and locality plan</u></b>	Jacobs	09/10/2018 <b><u>07/10/2020</u></b>	IH154300-DA- ICR-DRG-001 <b><u>IW243500- CM-IFT-DRG- 001</u></b>	1
General arrangement <b><u>Overall layout of tug berth</u></b>	Jacobs	09/10/2018 <b><u>07/10/2020</u></b>	IH154300-DA- ICR-DRG-001 <b><u>IW243500- CM-IFT-DRG- 002</u></b>	1
Pontoon typical section <b><u>General arrangement and elevation of pontoon</u></b>	Jacobs	09/10/2018 <b><u>07/10/2020</u></b>	IH154300-DA- ICR-DRG-001 <b><u>IW243500- CM-IFT-DRG- 003</u></b>	1
Operational envelope <b><u>General arrangement of abutment and gangway</u></b>	Jacobs	09/10/2018 <b><u>07/10/2020</u></b>	IH154300-DA- ICR-DRG-001 <b><u>IW243500- CM-IFT-DRG- 004</u></b>	1

A copy of this response has been sent to the applicant for their information.



For further information please contact Felicity Laub, Senior Planning Officer, on (07) 4898 6814 or via email [MIWSARA@dsmip.qld.gov.au](mailto:MIWSARA@dsmip.qld.gov.au) who will be pleased to assist.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Patrick Ruettjes', written in a cursive style.

Patrick Ruettjes  
Manager (Planning)  
**Mackay Isaac Whitsunday Regional Office**

cc North Queensland Bulk Ports, Mr Anoop Pillai, [apillai@nqbp.com.au](mailto:apillai@nqbp.com.au)

enc Attachment 1—Changed conditions to be imposed  
Attachment 2—Reasons for decision to impose conditions  
Attachment 3—Advice to the applicant  
Referral agency plans

## Attachment 1—Changed conditions to be imposed

No.	Conditions	Condition timing
<b>Operational work</b>		
10.17.3.2.1 Tidal works or work in a coastal management district—The chief executive administering the <i>Planning Act 2016</i> nominates the Director-General of the Department of Transport and Main Roads to be the enforcement authority for the development to which this development approval relates for the administration and enforcement of any matter relating to the following condition(s):		
1.	<p>a) Provide written notice to the Regional Harbour Master, PO Box 58, Mackay QLD 4740, when the development authorised under this approval is scheduled to commence.</p> <p>Each notice must state this application number, the location and name of registered place and the condition number under which the notice is being given.</p> <p>b) Provide written notice to the Regional Harbour Master, PO Box 58, Mackay QLD 4740, when the development authorised under this approval has been completed.</p> <p>Each notice must state this application number, the location and name of registered place and the condition number under which the notice is being given.</p>	<p>a) At least two (2) weeks prior to the commencement of works.</p> <p>b) Within two (2) of the completion of works.</p>
2.	<p>a) “As Constructed drawings” of the approved structure must be provided to the Regional Harbour Master, PO Box 58, Mackay QLD 4740.</p> <p>b) RPEQ certification must be provided to the Regional Harbour Master, PO Box 58, Mackay QLD 4740, within the Department of Transport and Main Roads that the works have been undertaken in accordance with part (a) of this condition.</p>	Within two (2) weeks of the completion of the works.
3.	<p>The structure must be lit/marked in accordance with the following, such that it does not cause a risk to the safe navigation of other ships:</p> <p>a) Lighting on the pontoon must be fixed white and pointed downward.</p> <p>Lighting provided must not obscure, disguise or otherwise interfere with the effectiveness of navigational lighting.</p>	At all times.
<b>Operational work</b>		
17.17.3.1.1 Tidal works or work in a coastal management district—The chief executive administering the <i>Planning Act 2016</i> nominates the Director-General of the Department of Environment and Science to be the enforcement authority for the development to which this development approval relates for the administration and enforcement of any matter relating to the following condition(s):		
4.	<p>The works must be undertaken generally in accordance with the following plans:</p> <p>a) <del>Locality plan and Drawing Index prepared by Jacobs, dated 09/10/2018, reference IH154300-DA-ICR-DRG-001 version 4;</del> <b><u>Drawing index and locality plan prepared by Jacobs,</u></b></p>	For the duration of the works.

	<p><b><u>dated 07/10/2020, reference IW243500-CM-IFT-DRG-001, version 1;</u></b></p> <p>b) General Arrangement prepared by Jacobs, dated 09/10/2018, reference IH154300-DA-ICR-DRG-002 version 1; <b><u>Overall layout of tug berth prepared by Jacobs, dated 07/10/2020, reference IW243500-CM-IFT-DRG-002, version 1;</u></b></p> <p>c) Pontoon Typical Section prepared by Jacobs, dated 09/10/2018, reference IH154300-DA-ICR-DRG-005 version 1; <b><u>General arrangement and elevation of pontoon prepared by Jacobs, dated 07/10/2020, reference IW243500-CM-IFT-DRG-003, version 1;</u></b></p> <p>d) Operational Envelope prepared by Jacobs, dated 09/10/2018, reference IH154300-DA-ICR-DRG-006 version 1. <b><u>General arrangement of abutment and gangway prepared by Jacobs, dated 07/10/2020, reference IW243500-CM-IFT-DRG-004, version 1.</u></b></p>	
5.	For the proposed works, only use clean materials and ensure that the works do not cause contamination.	For the duration of the works.
6.	Erosion and sediment control measures which are in accordance with the Best Practice Erosion and Sediment Control (BPESC) guidelines for Australia (International Erosion Control Association), are to be installed and maintained to prevent the release of sediment to tidal waters.	For the duration of the works.
7.	Should the structures collapse, fail or otherwise suffer structural consequences which impact their integrity or ability to function as intended, the works must be: <ul style="list-style-type: none"> <li>a) Reinstated in accordance with this development approval; or</li> <li>b) Removed and disposed of at an appropriately licensed facility.</li> </ul>	As soon as reasonably practical subsequent to the damage.
8.	Submit "As Constructed drawings" to <a href="mailto:palm@des.qld.gov.au">palm@des.qld.gov.au</a> or mail to: Department of Environment and Science Permit and License Management Implementation and Support Unit GPO Box 2454 Brisbane QLD 4001	Within two (2) weeks of the completion of the works.
9.	<ul style="list-style-type: none"> <li>a) In the event that the works cause disturbance or oxidisation of acid sulfate soil, the affected soil must be treated and thereafter managed (until the affected soil has been neutralised or contained) in accordance with the current <i>Queensland Acid Sulfate Soil Technical Manual: Soil management guidelines</i>, prepared by the Department of Science, Information Technology, Innovation and the Arts, 2014.</li> <li>b) Certification by an appropriately qualified person, confirming that the affected soil has been neutralised or contained, in accordance with (a) above is to be provided to <a href="mailto:palm@des.qld.gov.au">palm@des.qld.gov.au</a> or mail to:  Department of Environment and Science</li> </ul>	<ul style="list-style-type: none"> <li>a) Upon disturbance or oxidisation until the affected soil has been neutralised or contained.</li> <li>b) At the time the soils have been neutralised or contained.</li> </ul>

	Permit and License Management Implementation and Support Unit GPO Box 2454 Brisbane QLD 4001	
--	---	--

## **Attachment 2—Reasons for decision to impose conditions**

---

The reasons for this decision are:

- To facilitate the monitoring of the development works for compliance purposes.
- To ensure that at all times, all lights on or above the development site do not interfere with safe navigation in surrounding waterways.
- To ensure the development is carried out generally in accordance with the plans of development submitted with the application.
- To ensure the development avoids or minimises adverse impacts on coastal resources and their values.
- To ensure landowners are aware they must take responsibility for their damaged property as they can impact on coastal resources and public safety.
- To allow for compliance in relation to what is considered generally in accordance with the approved plans when preliminary plans are submitted with the application. Development inconsistent with the approval may have an impact on coastal management that was not considered in assessment.
- To ensure any disturbance to acid sulfate soils is managed to prevent impacts on coastal environments.

**Attachment 3—Advice to the applicant**

---

**General advice**

- |    |  |
|----|--|
| 1. | Appropriately qualified person means a person or persons who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis to performance relative to the subject matter using the relevant protocols, standards, methods or literature. |
|----|--|




**VOLUME 4 : REQUIREMENTS - DEFINITION DRAWINGS**

DEFINITION DRAWING INDEX	
IW24 3500-CM-IFT-DRG-001	DRAWING INDEX AND LOCALITY PLAN
IW24 3500-CM-IFT-DRG-002	OVERALL LAYOUT OF TUG BERTH
IW24 3500-CM-IFT-DRG-003	GENERAL ARRANGEMENT AND ELEVATION OF PONTOON
IW24 3500-CM-IFT-DRG-004	GENERAL ARRANGEMENT OF ABUTMENT AND GANGWAY
IW24 3500-CM-IFT-DRG-005	PILE DETAILS AND SET-OUT DRAWING
IW24 3500-CM-IFT-DRG-006	MARINE SIDE ELECTRICAL SERVICES GENERAL LAYOUT
IW24 3500-CM-IFT-DRG-007	MARINE SIDE ELECTRICAL SERVICES TUG BERTH SWITCHBOARD SCHEMATIC

**PLANS AND DOCUMENTS**  
referred to in the REFERRAL  
AGENCY RESPONSE

**SARA ref:** 1810-7904 SRA

**Date:** 27 October 2020




**PLAN OF MACKAY HARBOUR**  
NOT TO SCALE

RPEQ	
SIGNATURE	<i>[Signature]</i>
DATE	19 OCTOBER 2020
NAME	G HARVINDER SINGH
RPEQ NO.	14537

**DEFINITION DRAWING**

**FOR TENDER**

REV	DATE	DRAWN	REV'D	APP'D	REVISION	DRAWING NUMBER	REFERENCE DRAWING TITLE
1	07/10/2020	TeeYC	AC	HS	FOR TENDER		
0	02/10/2020	TeeYC	AC	HS	FOR TENDER		

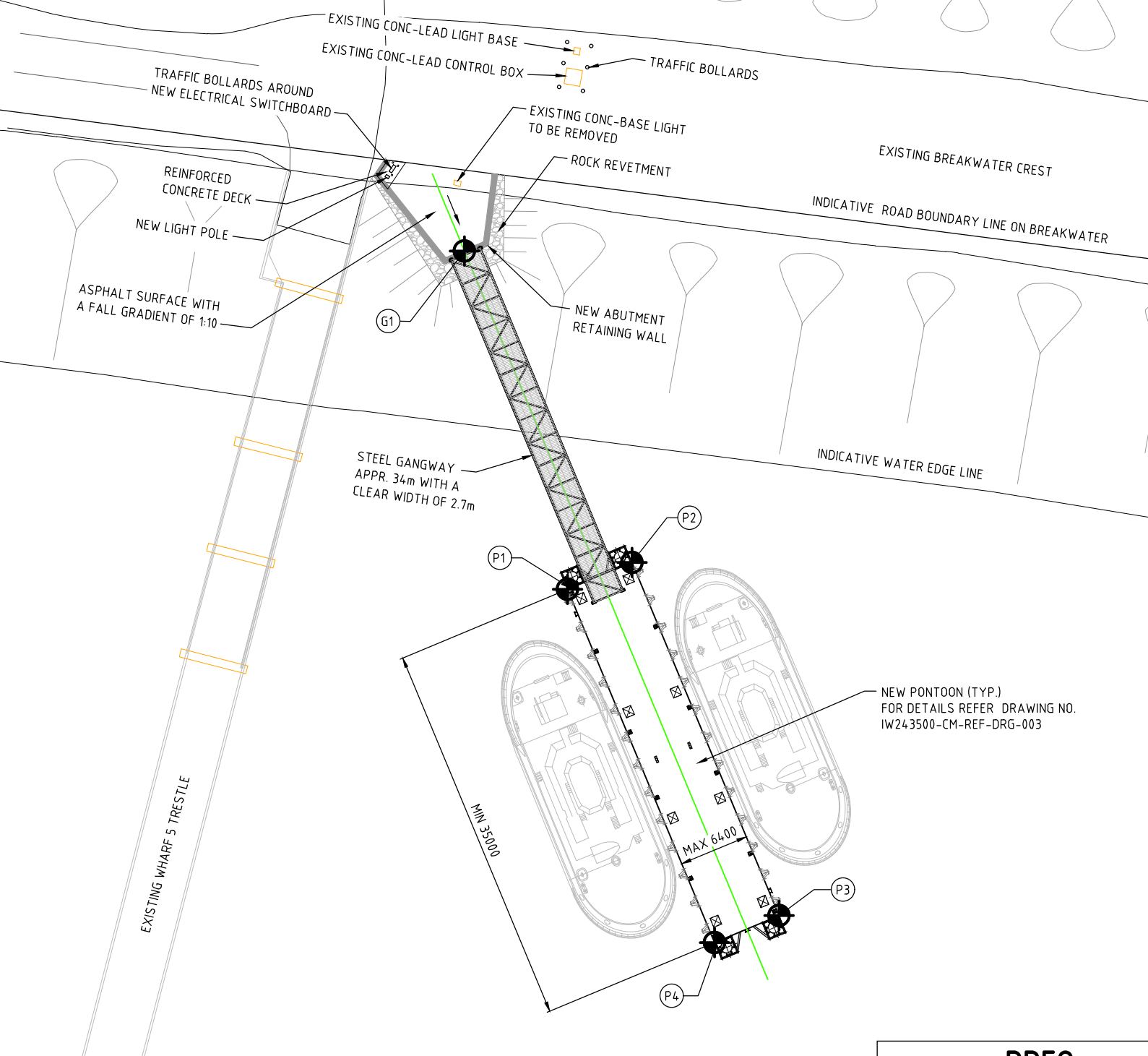
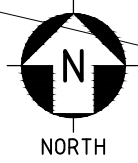


**Jacobs**

32 Cordella Street  
PO Box 3848  
South Brisbane QLD 4101  
AUSTRALIA  
Tel: +61 7 3026 7100  
Fax: +61 7 3026 7300  
Web: www.jacobs.com

CLIENT NORTH QUEENSLAND BULK PORTS CORPORATION			
PROJECT PORT OF MACKAY TUG BERTH RELOCATION			
DRAWN TeeYC	DRAWING CHECK J Abrahams	REVIEWED A Cummins	APPROVED H Singh
DESIGNED J Abrahams	DESIGN REVIEW H Singh	DATE 02/10/2020	DATE 02/10/2020

TITLE TUG BERTH TENDER DESIGN DEFINITION DRAWING INDEX AND LOCALITY PLAN		SCALE AS SHOWN	DRAWING No. IW243500-CM-IFT-DRG-001	REV 1
--	--	-------------------	--	----------



- NOTES:**
1. ALL DIMENSIONS SHALL BE MILLIMETERS UNLESS NOTED OTHERWISE.
  2. ALL LEVELS SHALL BE IN METRES ABOVE LOWEST ASTRONOMICAL TIDE (LAT) UNLESS NOTED OTHERWISE.
  3. COORDINATES ARE TO MGA ZONE 55 (GDA94). CONTRACTOR SHALL VALIDATE THE COORDINATES PRIOR TO USE.
  4. SETTING OUT COORDINATES AND DIMENSIONS SHOWN SHALL BE ADOPTED BY THE CONTRACTOR. WHERE DIMENSIONS ARE SHOWN AS MINIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE LESS THAN THE VALUE STATED. WHERE DIMENSIONS ARE SHOWN AS MAXIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE GREATER THAN THE VALUE STATED.
  5. WHERE ITEMS ARE SHOWN AS INDICATIVE THE CONTRACTOR SHALL VERIFY THE DETAILS THROUGH SITE SURVEY.
  6. WHERE ITEMS ARE SHOWN AS NOMINAL OR TYPICAL THE DETAILS SHOWN SHALL BE REPLACED TO SUIT THE CONTRACTORS DESIGN.
  7. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE DESIGN. NOTHING ON THESE DRAWING SHALL BE TAKEN AS ALLEVIATING THIS RESPONSIBILITY IN ANY WAY.
  8. DETAILS OF EXISTING STRUCTURES AS SHOWN SHOULD BE TAKEN AS INDICATIVE. CONTRACTOR SHALL VERIFY DETAILS AS REQUIRED PRIOR TO COMMENCING WORKS.
  9. SETTING OUT POINT P1, P2, P3 AND P4 REFER TO THE EXTERNAL CORNERS OF THE PONTOON.
  10. SETTING OUT COORDINATE G1 REFERS TO THE CENTRELINE OF THE GANGWAY.

**LEGENDS:**  
 TYP. : TYPICAL  
 APPROX. : APPROXIMATELY  
 NOM : NOMINAL  
 MIN. : MINIMUM  
 MAX. : MAXIMUM

STRUCTURE SETOUT		
POINT	EASTING (m)	NORTHING (m)
P1	731556.905	7664892.097
P2	731562.813	7664894.559
P3	731576.278	7664862.253
P4	731556.905	7664892.097
G1	731547.472	7664923.048

**PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE**

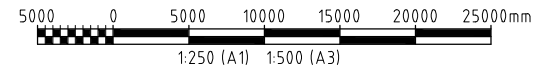
SARA ref: 1810-7904 SRA

Date: 27 October 2020

OVERALL LAYOUT OF TUG BERTH  
 SCALE 1:250

<b>RPEQ</b>	
SIGNATURE	
DATE	19 OCTOBER 2020
NAME	G HARVINDER SINGH
RPEQ NO.	14537

EXISTING CYCLONE MOORING SWING CIRCLE



**DEFINITION DRAWING**

**FOR TENDER**

REV	DATE	DRAWN	REV'D	APP'D	REVISION	DRAWING NUMBER	REFERENCE DRAWING TITLE
1	07/10/2020	TeeYC	AC	HS	FOR TENDER		
0	02/10/2020	TeeYC	AC	HS	FOR TENDER		



**Jacobs**

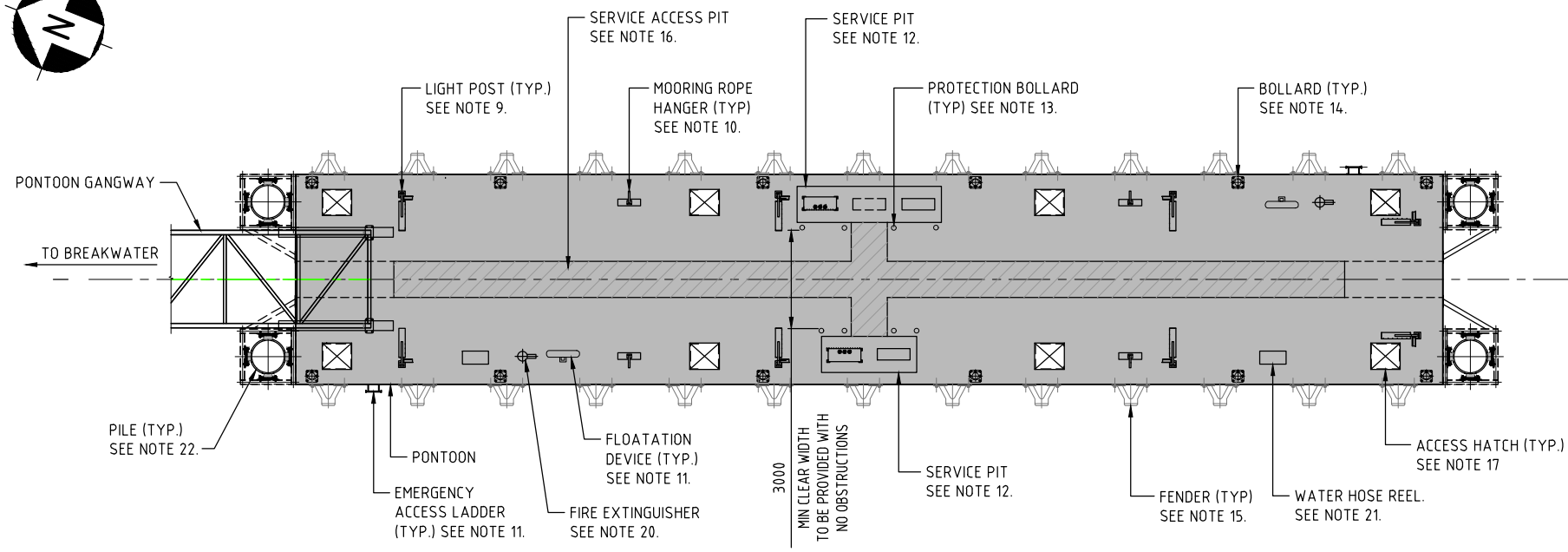
32 Cordella Street  
 PO Box 3848  
 South Brisbane QLD 4101  
 AUSTRALIA

Tel: +61 7 3026 7100  
 Fax: +61 7 3026 7300  
 Web: www.jacobs.com

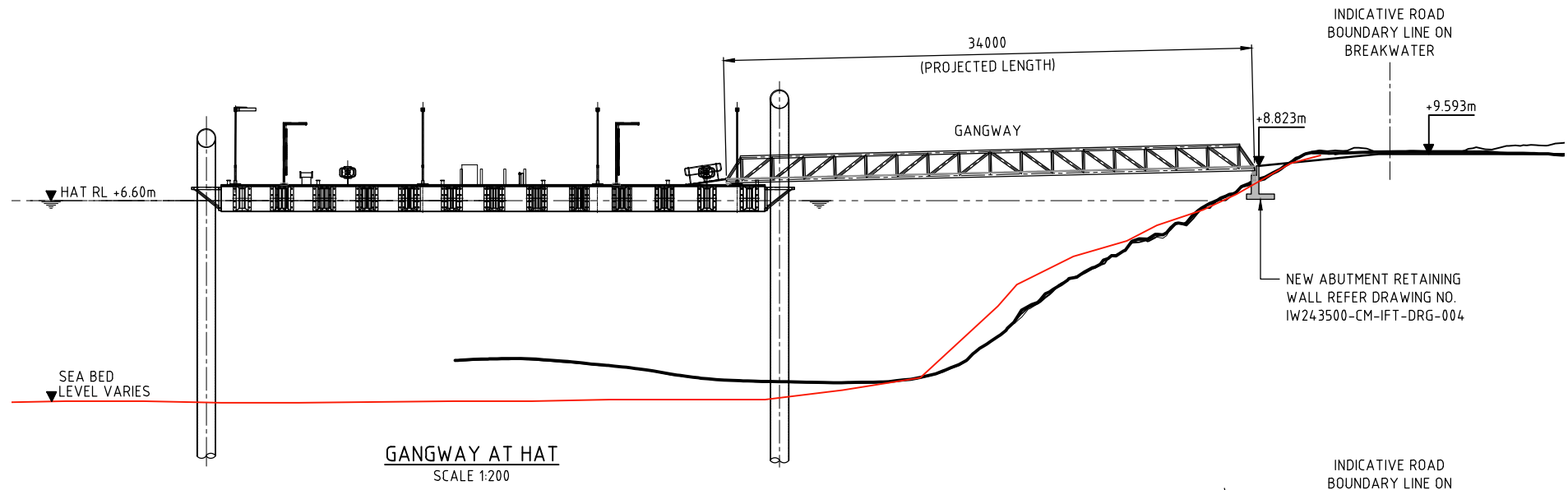
CLIENT	NORTH QUEENSLAND BULK PORTS CORPORATION		
PROJECT	PORT OF MACKAY TUG BERTH RELOCATION		
DRAWN	DRAWING CHECK	REVIEWED	APPROVED
TeeYC	J Abrahams	A Cummins	H Singh
DESIGNED	DESIGN REVIEW	DATE	DATE
J Abrahams	H Singh	02/10/2020	02/10/2020

TITLE	TUG BERTH TENDER DESIGN OVERALL LAYOUT OF TUG BERTH		
SCALE	DRAWING No.	REV	
AS SHOWN	IW243500-CM-IFT-DRG-002	1	

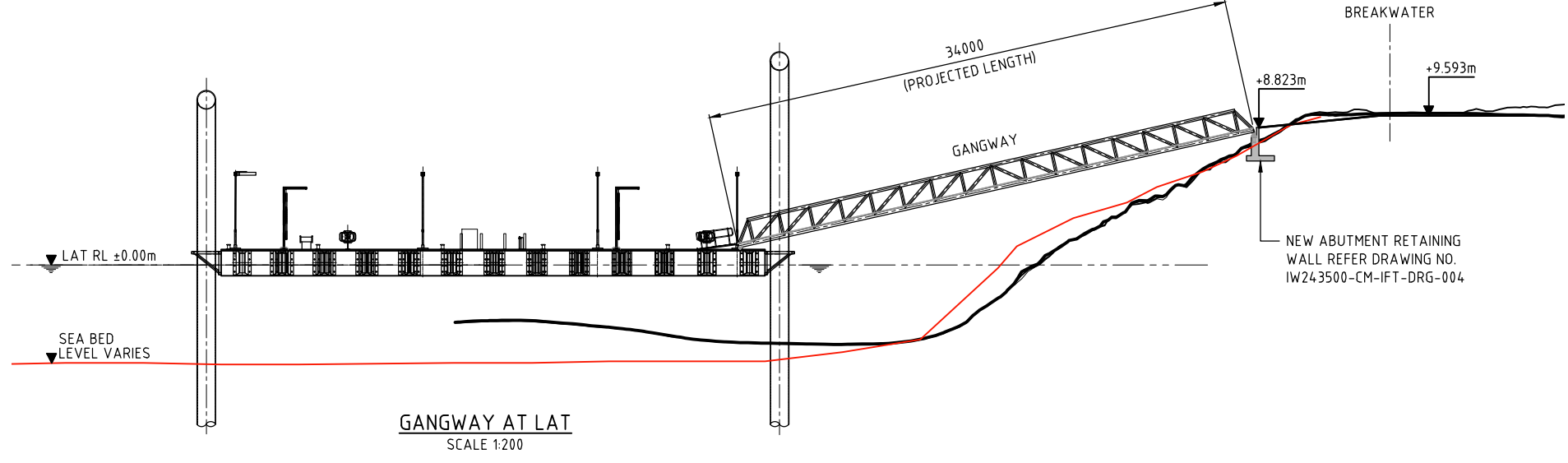




**PONTON PLAN**  
SCALE 1:100



**GANGWAY AT HAT**  
SCALE 1:200



**GANGWAY AT LAT**  
SCALE 1:200

**NOTES:**

- ALL DIMENSIONS SHALL BE MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS SHALL BE IN METRES ABOVE LOWEST ASTRONOMICAL TIDE (LAT) UNLESS NOTED OTHERWISE.
- COORDINATES ARE TO MGA ZONE 55 (GDA94). CONTRACTOR SHALL VALIDATE THE COORDINATES PRIOR TO USE.
- SETTING OUT COORDINATES AND DIMENSIONS SHOWN SHALL BE ADOPTED BY THE CONTRACTOR. WHERE DIMENSIONS ARE SHOWN AS MINIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE LESS THAN THE VALUE STATED. WHERE DIMENSIONS ARE SHOWN AS MAXIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE GREATER THAN THE VALUE STATED.
- WHERE ITEMS ARE SHOWN AS INDICATIVE THE CONTRACTOR SHALL VERIFY THE DETAILS THROUGH SITE SURVEY.
- WHERE ITEMS ARE SHOWN AS NOMINAL OR TYPICAL THE DETAILS SHOWN SHALL BE REPLACED TO SUIT THE CONTRACTOR'S DESIGN.
- THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE DESIGN. NOTHING ON THESE DRAWING SHALL BE TAKEN AS ALLEVIATING THIS RESPONSIBILITY IN ANY WAY.
- DETAILS OF EXISTING STRUCTURES AS SHOWN SHOULD BE TAKEN AS INDICATIVE. CONTRACTOR SHALL VERIFY DETAILS AS REQUIRED PRIOR TO COMMENCING WORKS.
- LIGHTING POSTS AND FITTINGS SHALL BE PROVIDED TO MEET THE REQUIREMENTS OF THE SPECIFICATION. LOCATION AND SIZE OF THE COLUMNS SHALL BE ARRANGED SUCH THAT THEY DO NOT INTERFERE WITH THE SAFE OPERATION OF THE BERTHS AND ANY OTHER SERVICES ON THE PONTON OR GANGWAY.
- TWO NO. MOORING ROPE HANGER SHALL BE PROVIDED TO EACH BERTH (4 NO. TOTAL). HANGERS SHALL BE SUITABLE FOR HOLDING THE TUGS MOORING LINES DURING MOORING PROCEDURES.
- SAFETY EQUIPMENT INCLUDING SIGNAGE, FLOATATION DEVICES AND EMERGENCY ACCESS LADDERS SHALL BE PROVIDED IN ACCORDANCE WITH THE CONTRACTOR'S DESIGN TO MEET THE REQUIREMENTS OF THE SPECIFICATION, APPROPRIATE LEGISLATION AND GOOD OPERATING PRACTICE.
- SERVICE PITS SHALL BE PROVIDED NEAR THE CENTRE OF EACH BERTH (2 NO. TOTAL). THE SERVICE PIT SHALL CONTAIN THE FOLLOWING SERVICES:
  - ELECTRICAL POINT FOR TUG SHORE POWER IN ACCORDANCE WITH THE SPECIFICATION;
  - 1" CAMLOCK COUPLING TO PIPEWORK FOR POTABLE WATER SUPPLY;
- EACH SERVICE SHALL BE CLEARLY SIGNED. THE SERVICE PIT SHALL BE PROTECTED BY BOLLARDS OR SIMILAR TO PREVENT STRIKE BY SERVICE VEHICLES.
- BOLLARDS SHALL BE PROVIDED TO SUIT THE CONTRACTOR'S MOORING DESIGN. BOLLARDS SHALL HAVE A MINIMUM CAPACITY OF 10 TONNES. THE SPACING OF THE BOLLARDS MEASURED FROM CENTRE TO CENTRE OF ADJACENT BOLLARDS SHALL NOT BE GREATER THAN 8M.
- FENDERS SHALL BE PROVIDED TO SUIT THE CONTRACTOR'S DESIGN. FENDER SPACING SHALL SUIT THE RANGE OF VESSEL SIZES AND SHALL CONSIDER THE SHAPE OF THE DESIGN VESSELS INCLUDING POTENTIAL PROTRUSIONS FROM THE VESSEL HULLS.
- SERVICES SHALL BE ROUTED IN A COVERED SERVICES CULVERT. THE SERVICES CULVERT SHALL BE DESIGNED TO CONTROL ANY SPILLAGES, AND COVERS SHALL BE WATERTIGHT TO PREVENT INGRESS OF WATER TO THE CULVERT.
- WATERPROOF ACCESS HATCHES SHALL BE PROVIDED WHERE REQUIRED, TO OPERATE AND MAINTAIN THE PONTON CONTRACTOR'S DESIGN SHALL CONSIDER SAFE AND FUNCTIONAL ACCESS INTO AND WITHIN THE PONTON.
- THE PONTON SHALL HAVE A NON-SLIP PROTECTIVE SURFACE SUITABLE FOR USE IN THE MARINE ENVIRONMENT. THE SURFACE OF THE PONTON SHALL BE DESIGNED TO PROVIDE A SLOPE FOR DRAINAGE AND TO AVOID PONDING OF SURFACE WATER.
- ALL EDGES OF THE PONTON SHALL HAVE A PROTECTIVE RUBBING STRIP WHICH MAY BE HOPE OR TIMBER SUBJECT TO THE APPROVAL OF THE SUPERINTENDENT.
- FIRE FIGHTING PROVISIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATION.
- POTABLE WATER SUPPLY IS TO BE PROVIDED TO ALL WATER HOSES SHOWN ON THE TUG BERTH. WATER SUPPLY SOURCE IS AVAILABLE ON WHARF 5 EASTERN APPROACH.
- THE PILES SHALL BE TO THE CONTRACTOR'S DESIGN. PILES SHALL BE SEALED WITH AN APPROPRIATE CAP DETAIL TO PREVENT INGRESS OF WATER ETC. THIS MAY TAKE THE FORM OF AN APPROPRIATELY DESIGNED CROSS MEMBER/HEADSTOCK OR A CONICAL CONE.

**LEGENDS:**

- TYP. : TYPICAL
- APPROX. : APPROXIMATELY
- NOM. : NOMINAL
- MIN. : MINIMUM
- MAX. : MAXIMUM

**BREAKWATER GRADIENT LEGEND :**

- POST-BED LEVELLING HYDROGRAPHIC SURVEY 4 APRIL 2020 DRAWING NO. G302-105.
- SURVEY OF NORTHERN BREAKWATER BY PORT OF BRISBANE DRAWING NO. 134155-6.

RPEQ	
SIGNATURE	
DATE	19 OCTOBER 2020
NAME	G HARVINDER SINGH
RPEQ NO.	14537

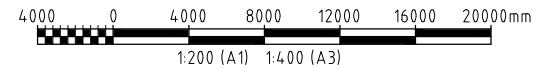
PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE

SARA ref: 1810-7904 SRA

Date: 27 October 2020

**DEFINITION DRAWING**

**FOR TENDER**



REV	DATE	DRAWN	REV'D	APP'D	REVISION	DRAWING NUMBER	REFERENCE DRAWING TITLE
1	07/10/2020	TeeYC	AC	HS	FOR TENDER		
0	02/10/2020	TeeYC	AC	HS	FOR TENDER		



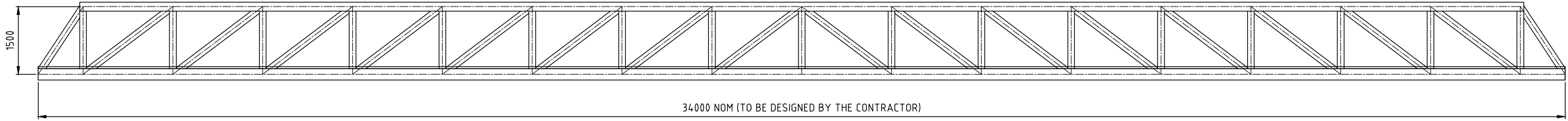
Jacobs

32 Cordella Street  
 PO Box 3848  
 South Brisbane QLD 4101  
 AUSTRALIA

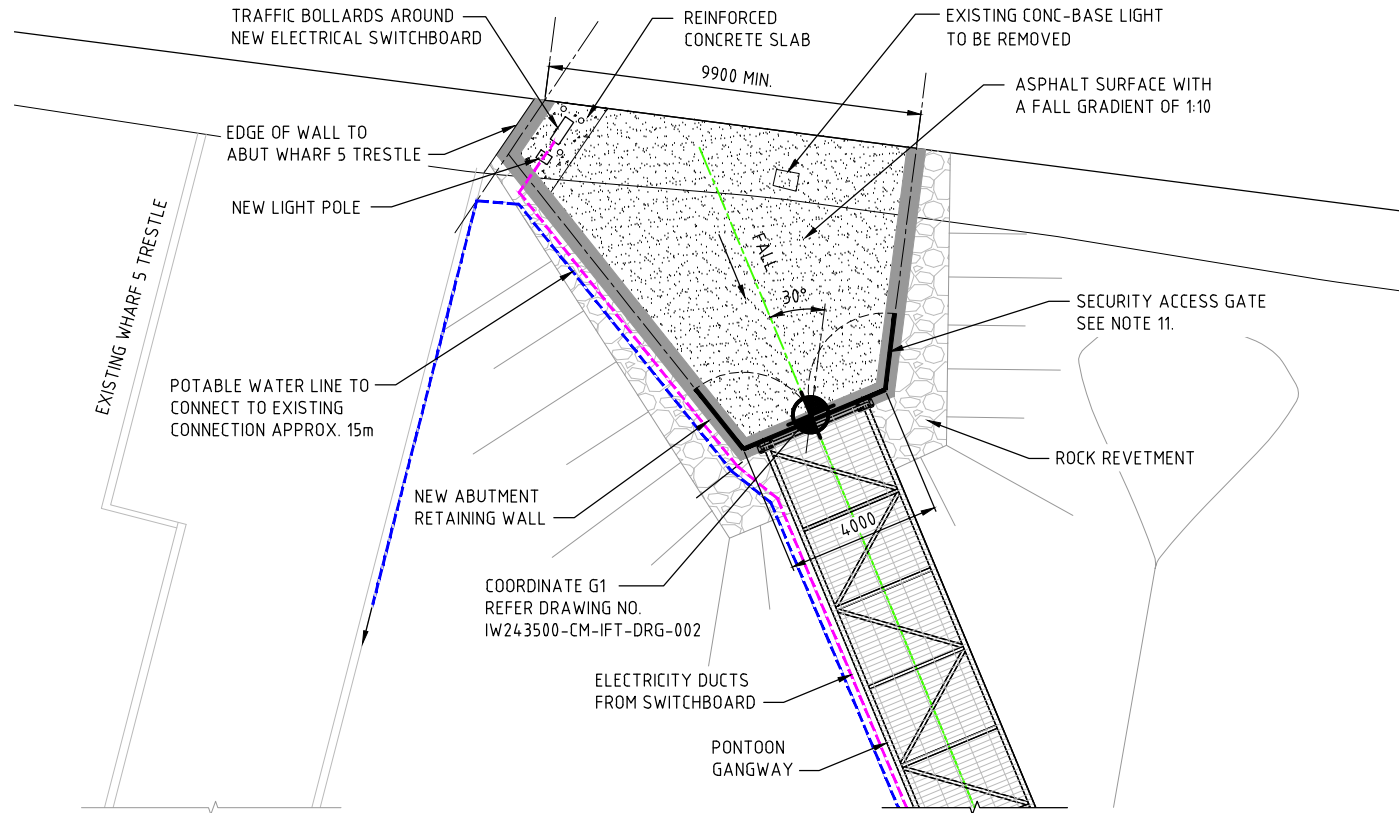
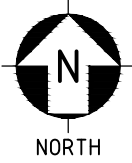
Tel: +61 7 3026 7100  
 Fax: +61 7 3026 7300  
 Web: www.jacobs.com

CLIENT	NORTH QUEENSLAND BULK PORTS CORPORATION		
PROJECT	PORT OF MACKAY TUG BERTH RELOCATION		
DRAWN	DRAWING CHECK	REVIEWED	APPROVED
TeeYC	J Abrahams	A Cummins	H Singh
DESIGNED	DESIGN REVIEW	DATE	DATE
J Abrahams	H Singh	02/10/2020	02/10/2020

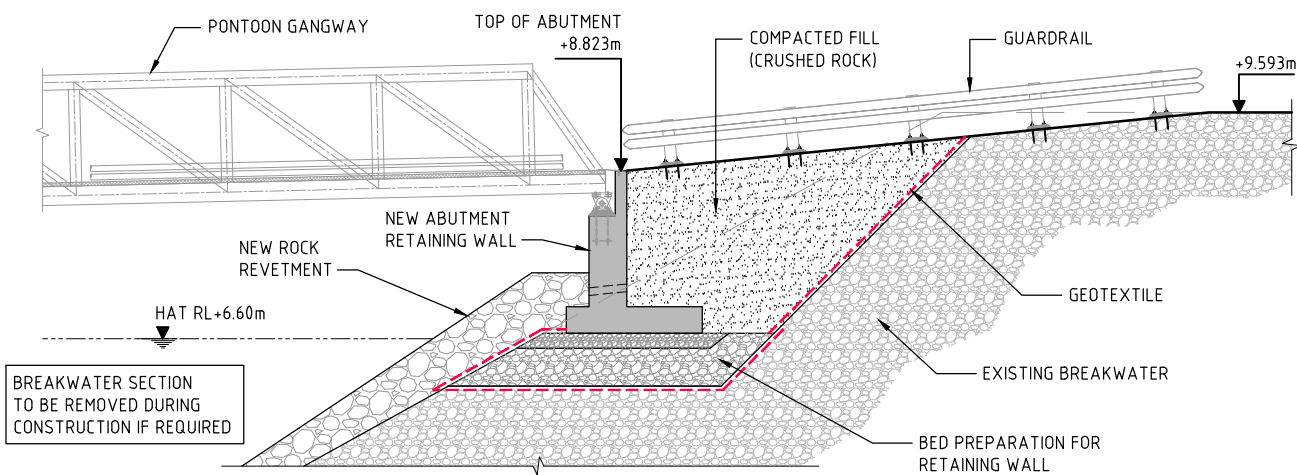
TITLE	TUG BERTH TENDER DESIGN GENERAL ARRANGEMENT AND ELEVATION OF PONTON		
SCALE	DRAWING No.	REV	
AS SHOWN	IW243500-CM-IFT-DRG-003	1	



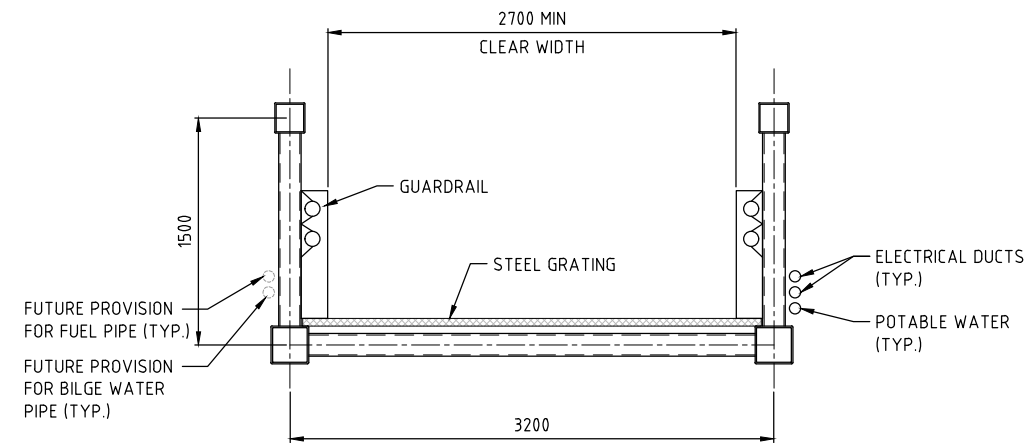
**GANGWAY - TYPICAL ELEVATION**  
SCALE 1:50



**LAYOUT OF ABUTMENT RETAINING WALL**  
SCALE 1:100



**TYPICAL SECTION THROUGH GANGWAY ABUTMENT**  
SCALE 1:50



**GANGWAY - TYPICAL CROSS SECTION**  
SCALE 1:25

**PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE**



SARA ref: 1810-7904 SRA

Date: 27 October 2020

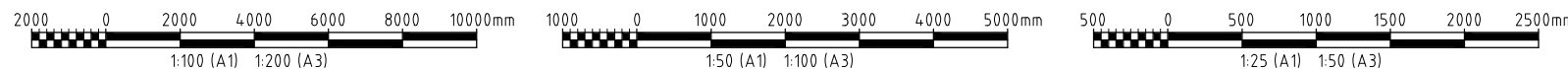
**NOTES:**

- ALL DIMENSIONS SHALL BE MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS SHALL BE IN METRES ABOVE LOWEST ASTRONOMICAL TIDE (LAT) UNLESS NOTED OTHERWISE.
- COORDINATES ARE TO MGA ZONE 55 (GDA94). CONTRACTOR SHALL VALIDATE THE COORDINATES PRIOR TO USE.
- SETTING OUT COORDINATES AND DIMENSIONS SHOWN SHALL BE ADOPTED BY THE CONTRACTOR. WHERE DIMENSIONS ARE SHOWN AS MINIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE LESS THAN THE VALUE STATED. WHERE DIMENSIONS ARE SHOWN AS MAXIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE GREATER THAN THE VALUE STATED.
- WHERE ITEMS ARE SHOWN AS INDICATIVE THE CONTRACTOR SHALL VERIFY THE DETAILS THROUGH SITE SURVEY.
- WHERE ITEMS ARE SHOWN AS NOMINAL OR TYPICAL THE DETAILS SHOWN SHALL BE REPLACED TO SUIT THE CONTRACTORS DESIGN.
- THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE DESIGN. NOTHING ON THESE DRAWING SHALL BE TAKEN AS ALLEVIATING THIS RESPONSIBILITY IN ANY WAY.
- DETAILS OF EXISTING STRUCTURES AS SHOWN SHOULD BE TAKEN AS INDICATIVE. CONTRACTOR SHALL VERIFY DETAILS AS REQUIRED PRIOR TO COMMENCING WORKS.
- ACCESS GANGWAY TO BE DESIGNED TO ACCOMMODATE A MAXIMUM OPERATIONAL GRADIENT OF 1:10 FOR SERVICE VEHICLE ACCESS. OPERATIONAL TIDES WOULD THEREFORE BE BETWEEN HAT TO RL+4.4M LAT.
- THE GANGWAY SHALL BE DESIGNED FOR A VEHICLE OF GROSS VEHICLE MASS - GVM 3.5T.
- THE CONTRACTOR SHALL INSTALL AN ACCESS CONTROLLED SECURITY GATE AND SECURITY CAMERA AT THE ENTRANCE OF THE ACCESS GANGWAY WITH SECURITY SYSTEM LINKED TO THE PORT'S GALLAGHER SYSTEM FOR RESTRICTED ENTRY.

RPEQ	
SIGNATURE	
DATE	19 OCTOBER 2020
NAME	G HARVINDER SINGH
RPEQ NO.	14537

**LEGENDS:**

- TYP. : TYPICAL  
 APPROX. : APPROXIMATELY  
 NOM : NOMINAL  
 MIN. : MINIMUM  
 MAX. : MAXIMUM



**DEFINITION DRAWING**

**FOR TENDER**

REV	DATE	DRAWN	REV'D	APP'D	REVISION
1	07/10/2020	TeeYC	AC	HS	FOR TENDER
0	02/10/2020	TeeYC	AC	HS	FOR TENDER



CLIENT	NORTH QUEENSLAND BULK PORTS CORPORATION		
PROJECT	PORT OF MACKAY TUG BERTH RELOCATION		
DRAWN	DRAWING CHECK	REVIEWED	APPROVED
TeeYC	J Abrahams	A Cummins	H Singh
DESIGNED	DESIGN REVIEW	DATE	DATE
J Abrahams	H Singh	02/10/2020	02/10/2020

TITLE	TUG BERTH TENDER DESIGN GENERAL ARRANGEMENT OF ABUTMENT AND GANGWAY		
SCALE	DRAWING No.	REV	
AS SHOWN	IW243500-CM-IFT-DRG-004	1	

# Development Assessment Rules—Representations about a referral agency response

The following provisions are those set out in sections 28 and 30 of the Development Assessment Rules<sup>1</sup> regarding **representations about a referral agency response**

## Part 6: Changes to the application and referral agency responses

---

### 28 Concurrence agency changes its response or gives a late response

- 28.1. Despite part 2, a concurrence agency may, after its referral agency assessment period and any further period agreed ends, change its referral agency response or give a late referral agency response before the application is decided, subject to section 28.2 and 28.3.
- 28.2. A concurrence agency may change its referral agency response at any time before the application is decided if—
- (a) the change is in response to a change which the assessment manager is satisfied is a change under section 26.1; or
  - (b) the Minister has given the concurrence agency a direction under section 99 of the Act; or
  - (c) the applicant has given written agreement to the change to the referral agency response.<sup>2</sup>
- 28.3. A concurrence agency may give a late referral agency response before the application is decided, if the applicant has given written agreement to the late referral agency response.
- 28.4. If a concurrence agency proposes to change its referral agency response under section 28.2(a), the concurrence agency must—
- (a) give notice of its intention to change its referral agency response to the assessment manager and a copy to the applicant within 5 days of receiving notice of the change under section 25.1; and
  - (b) the concurrence agency has 10 days from the day of giving notice under paragraph (a), or a further period agreed between the applicant and the concurrence agency, to give an amended referral agency response to the assessment manager and a copy to the applicant.

---

<sup>1</sup> Pursuant to Section 68 of the *Planning Act 2016*

<sup>2</sup> In the instance an applicant has made representations to the concurrence agency under section 30, and the concurrence agency agrees to make the change included in the representations, section 28.2(c) is taken to have been satisfied.

## **Part 7: Miscellaneous**

### **30 Representations about a referral agency response**

- 30.1. An applicant may make representations to a concurrence agency at any time before the application is decided, about changing a matter in the referral agency response.<sup>3</sup>

---

<sup>3</sup> An applicant may elect, under section 32, to stop the assessment manager's decision period in which to take this action. If a concurrence agency wishes to amend their response in relation to representations made under this section, they must do so in accordance with section 28.

## Attachment 3

---

### APPEAL PROVISIONS

## PLANNING ACT 2016

### 229 APPEALS TO TRIBUNAL OR P&E COURT

---

(1) *Schedule 1* states—

(a) matters that may be appealed to—

- (i) either a tribunal or the P&E Court; or
- (ii) only a tribunal; or
- (iii) only the P&E Court; and

(b) the person—

- (i) who may appeal a matter (the "**appellant**"); and
- (ii) who is a respondent in an appeal of the matter; and
- (iii) who is a co-respondent in an appeal of the matter; and
- (iv) who may elect to be a co-respondent in an appeal of the matter.

(2) An **appellant** may start an appeal within the **appeal period**.

(3) The "**appeal period**" is—

- (a) for an appeal by a building advisory agency—10 business days after a decision notice for the decision is given to the agency; or
- (b) for an appeal against a deemed refusal—at any time after the deemed refusal happens; or
- (c) for an appeal against a decision of the Minister, under *Chapter 7, part 4*, to register premises or to renew the registration of premises—20 business days after a notice is published under *section 269 (3)(a) or (4)*; or
- (d) for an appeal against an infrastructure charges notice—20 business days after the infrastructure charges notice is given to the person; or
- (e) for an appeal about a deemed approval of a development application for which a decision notice has not been given—30 business days after the **appellant** gives the deemed approval notice to the assessment manager; or
- (f) for any other appeal—20 business days after a notice of the decision for the matter, including an enforcement notice, is given to the person.

**Example:** See the P&E Court Act for the court's power to extend the **appeal period**.

## SCHEDULE 1 APPEALS

### 1 Appeal rights and parties to appeals

(1) Table 1 states the matters that may be appealed to—

- (a) the P&E court; or
- (b) a tribunal.

<b>Table 1</b>			
<b>Appeals to the P&amp;E Court and, for certain matters, to a tribunal</b>			
<p>1. Development applications</p> <p>For a development application other than an excluded application, an appeal may be made against—</p> <ul style="list-style-type: none"> <li>(a) the refusal of all or part of the development application; or</li> <li>(b) the deemed refusal of the development application; or</li> <li>(c) a provision of the development approval; or</li> <li>(d) if a development permit was applied for—the decision to give a preliminary approval.</li> </ul>			
Column 1	Column 2	Column 3	Column 4
Appellant	Respondent	Co-respondent (if any)	Co-respondent by election (if any)
The applicant	The assessment manager	If the appeal is about a concurrence agency's referral response—the concurrence agency	<ul style="list-style-type: none"> <li>1 A concurrence agency that is not a co-respondent</li> <li>2 If a chosen assessment manager is the respondent—the prescribed assessment manager</li> <li>3 Any eligible advice agency for the application</li> <li>4 Any eligible submitter for the application</li> </ul>

## Statement of Reasons

*Planning Act 2016 s.56*

### 1. Applicant details

<i>Applicant name:</i>	North Queensland Bulk Ports Corporation
<i>Applicant contact details:</i>	Anoop Pillai North Queensland Bulk Ports Corporation Level 1, Waterfront Place, Mulherin Drive MACAY HARBOUR QLD 4740 Email: <a href="mailto:apillai@nqbp.com.au">apillai@nqbp.com.au</a>

### 2. Property description of proposed development

<i>Port:</i>	Mackay
<i>Street address:</i>	Ken White Avenue, Mackay Harbour
<i>Real property description:</i>	Lot 59 SP115940 and Lot 63 SP143358
<i>Local government area:</i>	Mackay Regional Council

### 3. Development details

<i>Approved development:</i>	10.17.3.1.1 Tidal works or work in a coastal management district (Coastal Assessment)  10.17.3.2.1 Tidal works or work in a coastal management district (Maritime Assessment)
------------------------------	---

### 4. Assessment matters

The application has been assessed against:

- Port of Mackay Land Use Plan (November 2009).
- Port authority functions under the *Transport Infrastructure Act 1994*, chapter 8, part 3.

### 5. Reasons for the decision

The reasons for the decision are that the proposal:

- Complies with and contributes toward the achievement of the desired environmental outcomes of the Port of Mackay Land Use Plan (November 2009). and the applicable regional policies
- Is consistent with the functions of the Port as specified in the *Transport Infrastructure Act 1994*, chapter 8, part 3

### 6. Relevant material

Evidence or other material on which the findings were based:

- Material provided in the development application.

## Port Development Approval

Port of Mackay Land Use Plan (November 2009)

### 1. Details of approval

<i>Applicant:</i>	North Queensland Bulk Ports Corporation
<i>Approved proposal:</i>	Development of a new tug berthing facility, comprising <ul style="list-style-type: none"> <li>• Pile driving</li> <li>• Installation of pontoons</li> <li>• Construction laydown area</li> <li>• Associated works.</li> </ul>
<i>Currency of approval</i>	This approval will lapse if the Approved Development is does not substantially commence within four (4) years of the date of decision.
<i>Date of decision</i>	22 December 2020
<i>Decision:</i>	<input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved subject to conditions

### 2. Property description of proposed development

<i>Port:</i>	Mackay
<i>Street address:</i>	Ken White Avenue, Mackay Harbour
<i>Real property description:</i>	Lot 59 SP115940 and Lot 63 SP143358

### 3. Approved drawings and documents

The following drawings and documents are approved by NQBP as the basis for the works. Copies of these approved drawings are provided as an enclosure.

<i>Drawing or document</i>	<i>Number</i>	<i>Date / revision</i>
Drawing Index and Locality Plan	IW243500-CM-IFT-DRG-001	02/10/2020 Rev 1
Overall Layout of Tug Berth	IW243500-CM-IFT-DRG-002	02/10/2020 Rev 1
General Arrangement and Elevation of Pontoon	IW243500-CM-IFT-DRG-003	02/10/2020 Rev 1
General Arrangement of Abutment and Gangway	IW243500-CM-IFT-DRG-004	02/10/2020 Rev 1
Pile Details and Set-out Drawing	IW243500-CM-IFT-DRG-005	02/10/2020 Rev 1
Draft Construction Environmental Management Plan	IH154300.A.CS.EV-NP-RPT-0002	15/10/2018 Rev 1



#### 4. Additional approvals required

This Port Development Approval is limited to proposal described above. At no time should this document be interpreted to imply approval to any other development, operation or land use.

This Port Development Approval does not remove the requirement for any other legislative approval (including approvals under the *Planning Act 2016*).

It is the proponent's responsibility to ensure all necessary approvals, permits and licences are obtained to undertake the proposed use / works. In particular, the applicant should note the requirement to obtain approvals for, but not limited to:

<b>Permit / licence requirements</b>	<b>Relevant agency</b>
Permit to Work – To be obtained prior to any ground disturbance activities occurring.	North Queensland Bulk Ports Corporation Email: <a href="mailto:PortOperations@nqbp.com.au">PortOperations@nqbp.com.au</a>
Building Approvals – To be obtained for any temporary construction offices and other buildings.	Private Building Certifier

#### 5. Conditions of approval

<b>Condition</b>	<b>Timing</b>
<b>Carry out the approved development</b>	
1. The Applicant is to provide details regarding the location and extent of the construction laydown area to be utilised during construction works via <a href="mailto:approvals@nqbp.com.au">approvals@nqbp.com.au</a> .	At least four (4) weeks prior to commencement of works.
2. NQBP Port Operations via, <a href="mailto:PortOperations@nqbp.com.au">PortOperations@nqbp.com.au</a> must be advised of commencement of works and project timing.	Two (2) weeks prior to commencement of works.
<b>Site management</b>	
3. All construction vehicle parking must be accommodated within the lay down area agreed in Condition 1.	At all times.
4. The Applicant, or party acting on behalf of the applicant, is not permitted to adversely impact the effective and efficient operation of the Port.	At all times.
5. The Applicant will ensure that infrastructure, services, property assets or utilises are not damaged during the construction or operation of the approved development. If any damage results, the proponent will be required to meet all costs of the remediation / repair to the satisfaction of NQBP and / or the relevant service provider.	At all times.

Condition	Timing
<b>General environmental management</b>	
<p>6. Where potential or actual environmental harm may be caused by the approved development, NQBP may at any time direct the Applicant, or persons acting on behalf of the Applicant, to:</p> <ul style="list-style-type: none"> <li>• cease an activity</li> <li>• implement appropriate impact control measures</li> <li>• modify work plans or methods.</li> </ul>	At all times.
<p>7. Any environmental emergency, incident or potentially harmful event involving the approved development must be reported to NQBP's Environment Group via <a href="mailto:environment@nqbp.com.au">environment@nqbp.com.au</a> or 1300 129 255.</p> <p>A written report must also be provided, detailing the following information:</p> <ul style="list-style-type: none"> <li>• name of the operator</li> <li>• the name and telephone number of a designated contact person</li> <li>• quantity and substance released</li> <li>• person/s involved</li> <li>• location and time of the release/event</li> <li>• likely cause of release/event</li> <li>• effects of the release</li> <li>• sampling performed and conclusions drawn</li> <li>• actions taken to mitigate any environmental harm</li> <li>• proposed actions to prevent a recurrence.</li> </ul>	<p>Initial report: within 24 hours of the emergency, incident or event occurring.</p> <p>Written report: within 14 days of the emergency, incident or event occurring.</p>
<b>Cultural heritage</b>	
<p>8. NQBP is a party to a Cultural Heritage Management Plan with the Yuwibara People which includes the area of proposed development.</p> <p>Consultation, via NQBP's Development Advisor, must be undertaken with the parties to the CHMP to determine if any monitoring or management action are required.</p>	At least 2 months prior to commencement of works.
<b>Community</b>	
<p>9. Any community complaints, received by the Applicant, or party acting on behalf of the applicant, must be reported to NQBP via <a href="mailto:approvals@nqbp.com.au">approvals@nqbp.com.au</a> or 07 3011 7900.</p> <p>A written report must also be provided, detailing the following information:</p> <ul style="list-style-type: none"> <li>• incident subject of the complaint</li> <li>• investigations undertaken into the complaint</li> <li>• proposed action to be undertaken to prevent further complaints.</li> </ul>	<p>Initial report: within 24 hours of the emergency, incident or event occurring.</p> <p>Written report: within 14 days of the emergency, incident or event occurring.</p>

## 6. Advisory information

Please note that the information contained in this section under the heading Advisory information has been provided as advice only and does not form part of the development approval conditions. This information has been provided to advise of other obligations under state legislation or local laws that may require action to be undertaken prior to commencing the activity approved by this development approval.

### NOTES

#### Cultural heritage duty of care

1. Section 23 of the *Aboriginal Cultural Heritage Act 2003* establishes a duty of care for all persons carrying out an activity to take all reasonable and practicable measures to ensure the activity does not harm Aboriginal cultural heritage. It is the person undertaking the activity responsibility to ensure compliance with the duty of care.

A copy of the legislation can be accessed via

<https://www.legislation.qld.gov.au/LEGISLTN/CURRENT/A/AborCultHA03.pdf>

#### General safety during construction

2. The *Work Health and Safety Act 2011* establishes a number of obligations relevant to the project, in particular:
  - a. Under section 19(2), a person conducting a business or undertaking must ensure the health and safety of other persons is not put at risk from work carried out as part of the conduct of the business or undertaking.
  - b. Under section 20(2), the person in control of the workplace is obliged to ensure that the means of entering and exiting the workplace and anything arising from the workplace are without risks to the health and safety of any person.

A copy of the legislation can be accessed via

<https://www.legislation.qld.gov.au/LEGISLTN/CURRENT/W/WorkHSA11.pdf>

## Approved drawings

<i>Drawing or document</i>	<i>Number</i>	<i>Date / revision</i>
Drawing Index and Locality Plan	IW243500-CM-IFT-DRG-001	02/10/2020 Rev 1
Overall Layout of Tug Berth	IW243500-CM-IFT-DRG-002	02/10/2020 Rev 1
General Arrangement and Elevation of Pontoon	IW243500-CM-IFT-DRG-003	02/10/2020 Rev 1
General Arrangement of Abutment and Gangway	IW243500-CM-IFT-DRG-004	02/10/2020 Rev 1
Pile Detail and Set-out Drawings	IW243500-CM-IFT-DRG-005	02/10/2020 Rev 1



**VOLUME 4 : REQUIREMENTS - DEFINITION DRAWINGS**

DEFINITION DRAWING INDEX	
IW243500-CM-IFT-DRG-001	DRAWING INDEX AND LOCALITY PLAN
IW243500-CM-IFT-DRG-002	OVERALL LAYOUT OF TUG BERTH
IW243500-CM-IFT-DRG-003	GENERAL ARRANGEMENT AND ELEVATION OF PONTOON
IW243500-CM-IFT-DRG-004	GENERAL ARRANGEMENT OF ABUTMENT AND GANGWAY
IW243500-CM-IFT-DRG-005	PILE DETAILS AND SET-OUT DRAWING
IW243500-CM-IFT-DRG-006	MARINE SIDE ELECTRICAL SERVICES GENERAL LAYOUT
IW243500-CM-IFT-DRG-007	MARINE SIDE ELECTRICAL SERVICES TUG BERTH SWITCHBOARD SCHEMATIC



**PLAN OF MACKAY HARBOUR**  
NOT TO SCALE

**NORTH QUEENSLAND BULK PORTS CORPORATION**

**APPROVED SUBJECT TO CONDITIONS**

NQBP ref: PL/04/02/00010

Signed: *[Signature]*

Date: 22/12/2020

RPEQ	
SIGNATURE	<i>[Signature]</i>
DATE	19 OCTOBER 2020
NAME	G HARVINDER SINGH
RPEQ NO.	14537

**DEFINITION DRAWING**

**FOR TENDER**

REV	DATE	DRAWN	REV'D	APP'D	REVISION	DRAWING NUMBER	REFERENCE DRAWING TITLE
1	07/10/2020	TeeYC	AC	HS	FOR TENDER		
0	02/10/2020	TeeYC	AC	HS	FOR TENDER		



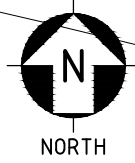
**Jacobs**

32 Cordella Street  
PO Box 3848  
South Brisbane QLD 4101  
AUSTRALIA

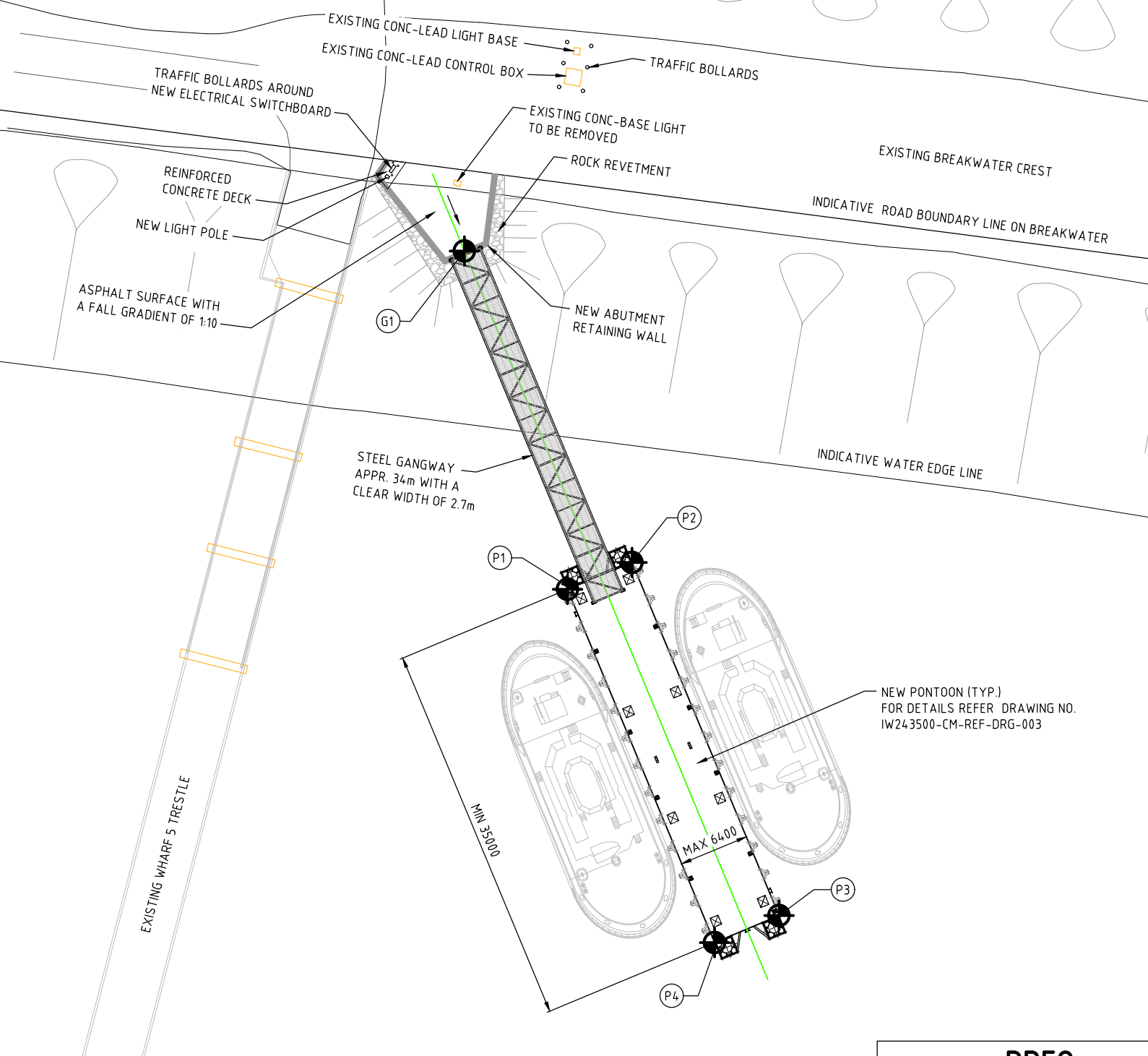
Tel: +61 7 3026 7100  
Fax: +61 7 3026 7300  
Web: www.jacobs.com

CLIENT NORTH QUEENSLAND BULK PORTS CORPORATION			
PROJECT PORT OF MACKAY TUG BERTH RELOCATION			
DRAWN TeeYC	DRAWING CHECK J Abrahams	REVIEWED A Cummins	APPROVED H Singh
DESIGNED J Abrahams	DESIGN REVIEW H Singh	DATE 02/10/2020	DATE 02/10/2020

TITLE TUG BERTH TENDER DESIGN DEFINITION DRAWING INDEX AND LOCALITY PLAN		SCALE AS SHOWN	DRAWING No. IW243500-CM-IFT-DRG-001	REV 1
--	--	-------------------	--	----------



**NORTH QUEENSLAND BULK PORTS CORPORATION**  
**APPROVED SUBJECT TO CONDITIONS**  
 NQBP ref: PL/04/02/00010  
 Signed: \_\_\_\_\_  
 Date: 22/12/2020



**OVERALL LAYOUT OF TUG BERTH**  
 SCALE 1:250

**LEGENDS:**

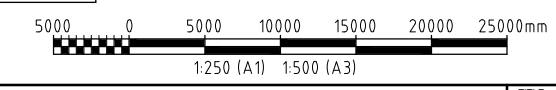
- TYP. : TYPICAL
- APPROX. : APPROXIMATELY
- NOM : NOMINAL
- MIN. : MINIMUM
- MAX. : MAXIMUM

STRUCTURE SETOUT		
POINT	EASTING (m)	NORTHING (m)
P1	731556.905	7664892.097
P2	731562.813	7664894.559
P3	731576.278	7664862.253
P4	731556.905	7664892.097
G1	731547.472	7664923.048

**NOTES:**

1. ALL DIMENSIONS SHALL BE MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL LEVELS SHALL BE IN METRES ABOVE LOWEST ASTRONOMICAL TIDE (LAT) UNLESS NOTED OTHERWISE.
3. COORDINATES ARE TO MGA ZONE 55 (GDA94). CONTRACTOR SHALL VALIDATE THE COORDINATES PRIOR TO USE.
4. SETTING OUT COORDINATES AND DIMENSIONS SHOWN SHALL BE ADOPTED BY THE CONTRACTOR. WHERE DIMENSIONS ARE SHOWN AS MINIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE LESS THAN THE VALUE STATED. WHERE DIMENSIONS ARE SHOWN AS MAXIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE GREATER THAN THE VALUE STATED.
5. WHERE ITEMS ARE SHOWN AS INDICATIVE THE CONTRACTOR SHALL VERIFY THE DETAILS THROUGH SITE SURVEY.
6. WHERE ITEMS ARE SHOWN AS NOMINAL OR TYPICAL THE DETAILS SHOWN SHALL BE REPLACED TO SUIT THE CONTRACTORS DESIGN.
7. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE DESIGN. NOTHING ON THESE DRAWING SHALL BE TAKEN AS ALLEVIATING THIS RESPONSIBILITY IN ANY WAY.
8. DETAILS OF EXISTING STRUCTURES AS SHOWN SHOULD BE TAKEN AS INDICATIVE. CONTRACTOR SHALL VERIFY DETAILS AS REQUIRED PRIOR TO COMMENCING WORKS.
9. SETTING OUT POINT P1, P2, P3 AND P4 REFER TO THE EXTERNAL CORNERS OF THE PONTON.
10. SETTING OUT COORDINATE G1 REFERS TO THE CENTRELINE OF THE GANGWAY.

<b>RPEQ</b>	
SIGNATURE	
DATE	19 OCTOBER 2020
NAME	G HARVINDER SINGH
RPEQ NO.	14537



**DEFINITION DRAWING**

**FOR TENDER**

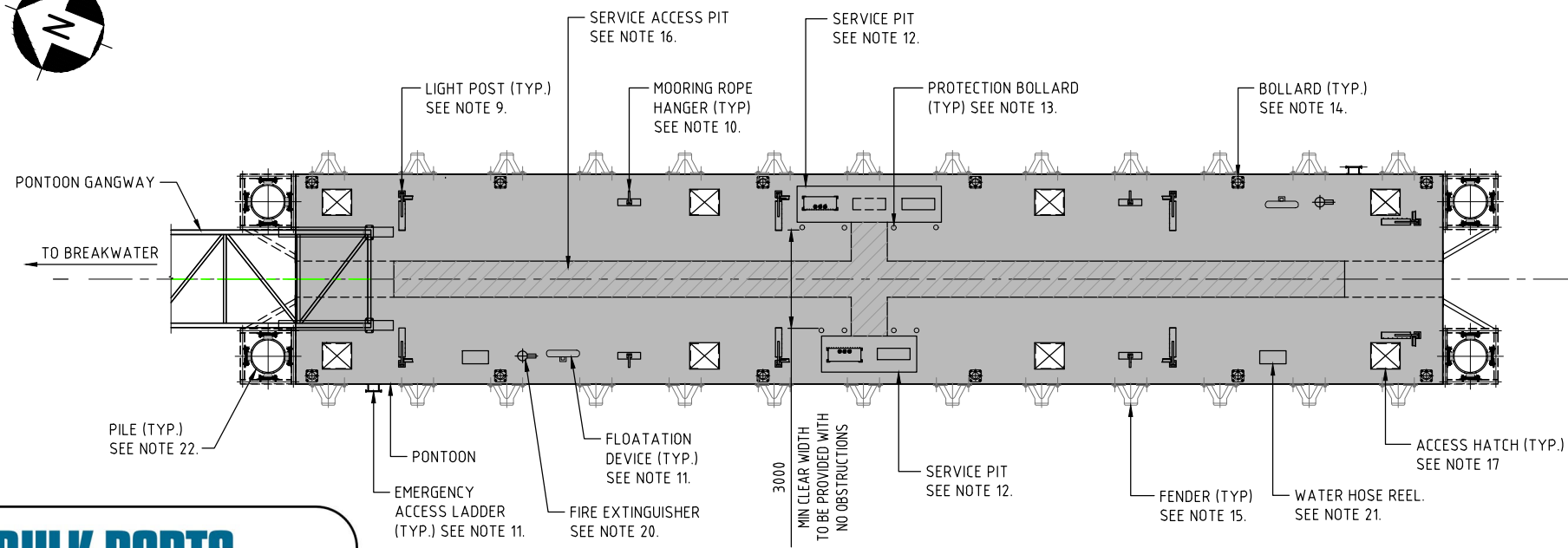
REV	DATE	DRAWN	REV'D	APP'D	REVISION	DRAWING NUMBER	REFERENCE DRAWING TITLE
1	07/10/2020	TeeYC	AC	HS	FOR TENDER		
0	02/10/2020	TeeYC	AC	HS	FOR TENDER		



**Jacobs**  
 32 Cordella Street  
 PO Box 3848  
 South Brisbane QLD 4101  
 AUSTRALIA  
 Tel: +61 7 3026 7100  
 Fax: +61 7 3026 7300  
 Web: www.jacobs.com

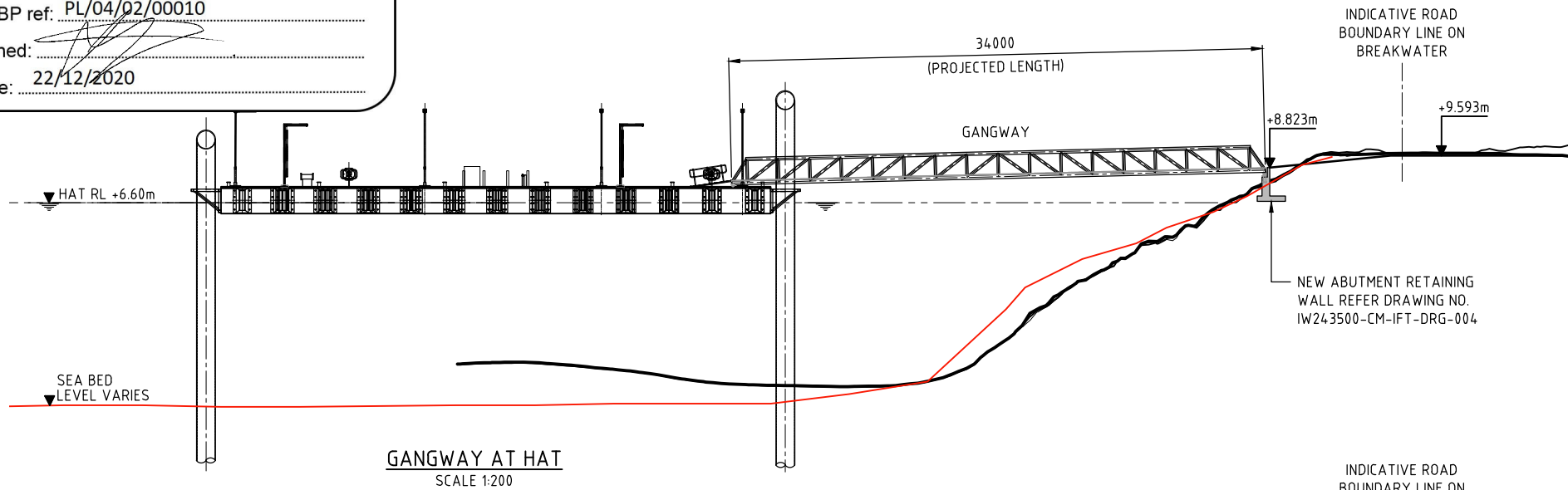
CLIENT	NORTH QUEENSLAND BULK PORTS CORPORATION		
PROJECT	PORT OF MACKAY TUG BERTH RELOCATION		
DRAWN	DRAWING CHECK	REVIEWED	APPROVED
DESIGNED	DESIGN REVIEW	DATE	DATE
J Abrahams	H Singh	02/10/2020	02/10/2020

TITLE	TUG BERTH TENDER DESIGN OVERALL LAYOUT OF TUG BERTH		
SCALE	DRAWING No.	REV	
AS SHOWN	IW243500-CM-IFT-DRG-002	1	

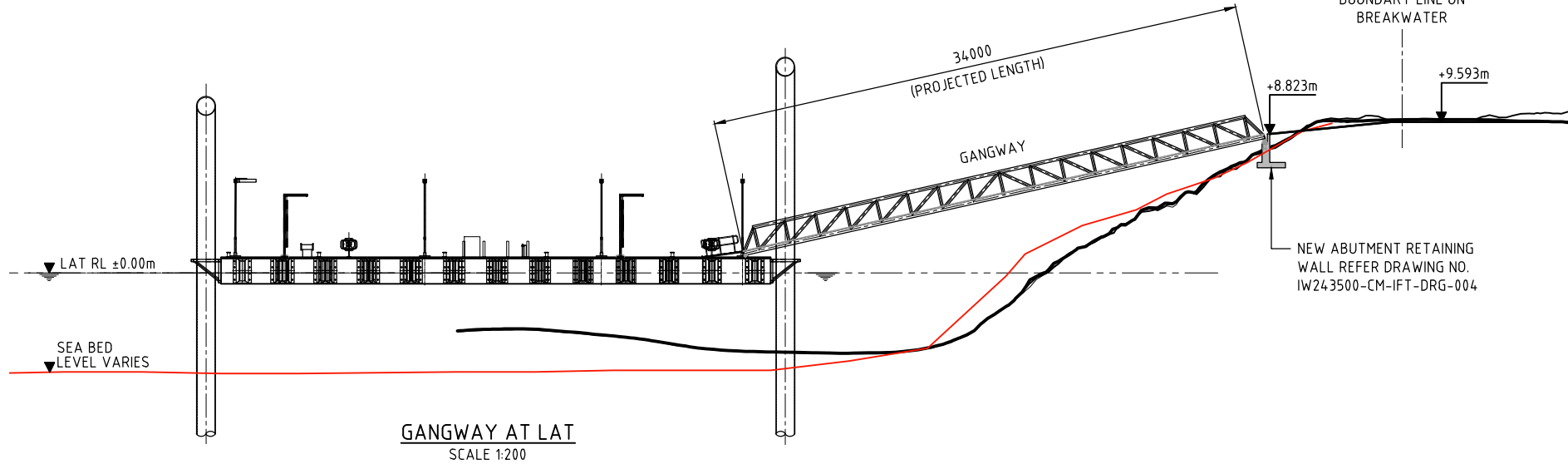


**PONTON PLAN**  
SCALE 1:100

**NORTH QUEENSLAND BULK PORTS CORPORATION**  
**APPROVED SUBJECT TO CONDITIONS**  
 NQBP ref: PL/04/02/00010  
 Signed: \_\_\_\_\_  
 Date: 22/12/2020



**GANGWAY AT HAT**  
SCALE 1:200



**GANGWAY AT LAT**  
SCALE 1:200

**NOTES:**

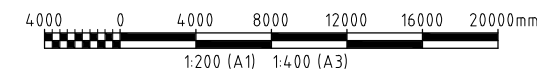
- ALL DIMENSIONS SHALL BE MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS SHALL BE IN METRES ABOVE LOWEST ASTRONOMICAL TIDE (LAT) UNLESS NOTED OTHERWISE.
- COORDINATES ARE TO MGA ZONE 55 (GDA94). CONTRACTOR SHALL VALIDATE THE COORDINATES PRIOR TO USE.
- SETTING OUT COORDINATES AND DIMENSIONS SHOWN SHALL BE ADOPTED BY THE CONTRACTOR. WHERE DIMENSIONS ARE SHOWN AS MINIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE LESS THAN THE VALUE STATED. WHERE DIMENSIONS ARE SHOWN AS MAXIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE GREATER THAN THE VALUE STATED.
- WHERE ITEMS ARE SHOWN AS INDICATIVE THE CONTRACTOR SHALL VERIFY THE DETAILS THROUGH SITE SURVEY.
- WHERE ITEMS ARE SHOWN AS NOMINAL OR TYPICAL THE DETAILS SHOWN SHALL BE REPLACED TO SUIT THE CONTRACTOR'S DESIGN.
- THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE DESIGN. NOTHING ON THESE DRAWING SHALL BE TAKEN AS ALLEVIATING THIS RESPONSIBILITY IN ANY WAY.
- DETAILS OF EXISTING STRUCTURES AS SHOWN SHOULD BE TAKEN AS INDICATIVE. CONTRACTOR SHALL VERIFY DETAILS AS REQUIRED PRIOR TO COMMENCING WORKS.
- LIGHTING POSTS AND FITTINGS SHALL BE PROVIDED TO MEET THE REQUIREMENTS OF THE SPECIFICATION. LOCATION AND SIZE OF THE COLUMNS SHALL BE ARRANGED SUCH THAT THEY DO NOT INTERFERE WITH THE SAFE OPERATION OF THE BERTHS AND ANY OTHER SERVICES ON THE PONTON OR GANGWAY.
- TWO NO. MOORING ROPE HANGER SHALL BE PROVIDED TO EACH BERTH (4NO. TOTAL). HANGERS SHALL BE SUITABLE FOR HOLDING THE TUGS MOORING LINES DURING MOORING PROCEDURES.
- SAFETY EQUIPMENT INCLUDING SIGNAGE, FLOATATION DEVICES AND EMERGENCY ACCESS LADDERS SHALL BE PROVIDED IN ACCORDANCE WITH THE CONTRACTOR'S DESIGN TO MEET THE REQUIREMENTS OF THE SPECIFICATION, APPROPRIATE LEGISLATION AND GOOD OPERATING PRACTICE.
- SERVICE PITS SHALL BE PROVIDED NEAR THE CENTRE OF EACH BERTH (2 NO. TOTAL). THE SERVICE PIT SHALL CONTAIN THE FOLLOWING SERVICES:
  - ELECTRICAL POINT FOR TUG SHORE POWER IN ACCORDANCE WITH THE SPECIFICATION;
  - 1" CAMLOCK COUPLING TO PIPEWORK FOR POTABLE WATER SUPPLY;
- EACH SERVICE SHALL BE CLEARLY SIGNED. THE SERVICE PIT SHALL BE PROTECTED BY BOLLARDS OR SIMILAR TO PREVENT STRIKE BY SERVICE VEHICLES.
- BOLLARDS SHALL BE PROVIDED TO SUIT THE CONTRACTOR'S MOORING DESIGN. BOLLARDS SHALL HAVE A MINIMUM CAPACITY OF 10 TONNES. THE SPACING OF THE BOLLARDS MEASURED FROM CENTRE TO CENTRE OF ADJACENT BOLLARDS SHALL NOT BE GREATER THAN 8M.
- FENDERS SHALL BE PROVIDED TO SUIT THE CONTRACTOR'S DESIGN. FENDER SPACING SHALL SUIT THE RANGE OF VESSEL SIZES AND SHALL CONSIDER THE SHAPE OF THE DESIGN VESSELS INCLUDING POTENTIAL PROTRUSIONS FROM THE VESSEL HULLS.
- SERVICES SHALL BE ROUTED IN A COVERED SERVICES CULVERT. THE SERVICES CULVERT SHALL BE DESIGNED TO CONTROL ANY SPILLAGES, AND COVERS SHALL BE WATERTIGHT TO PREVENT INGRESS OF WATER TO THE CULVERT.
- WATERPROOF ACCESS HATCHES SHALL BE PROVIDED WHERE REQUIRED, TO OPERATE AND MAINTAIN THE PONTON CONTRACTOR'S DESIGN SHALL CONSIDER SAFE AND FUNCTIONAL ACCESS INTO AND WITHIN THE PONTON.
- THE PONTON SHALL HAVE A NON-SLIP PROTECTIVE SURFACE SUITABLE FOR USE IN THE MARINE ENVIRONMENT. THE SURFACE OF THE PONTON SHALL BE DESIGNED TO PROVIDE A SLOPE FOR DRAINAGE AND TO AVOID PONDING OF SURFACE WATER.
- ALL EDGES OF THE PONTON SHALL HAVE A PROTECTIVE RUBBING STRIP WHICH MAY BE HOPE OR TIMBER SUBJECT TO THE APPROVAL OF THE SUPERINTENDENT.
- FIRE FIGHTING PROVISIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATION.
- POTABLE WATER SUPPLY IS TO BE PROVIDED TO ALL WATER HOSES SHOWN ON THE TUG BERTH. WATER SUPPLY SOURCE IS AVAILABLE ON WHARF 5 EASTERN APPROACH.
- THE PILES SHALL BE TO THE CONTRACTOR'S DESIGN. PILES SHALL BE SEALED WITH AN APPROPRIATE CAP DETAIL TO PREVENT INGRESS OF WATER ETC. THIS MAY TAKE THE FORM OF AN APPROPRIATELY DESIGNED CROSS MEMBER/HEADSTOCK OR A CONICAL CONE.

**LEGENDS:**

- TYP. : TYPICAL  
 APPROX. : APPROXIMATELY  
 NOM. : NOMINAL  
 MIN. : MINIMUM  
 MAX. : MAXIMUM

- BREAKWATER GRADIENT LEGEND :**
- POST-BED LEVELLING HYDROGRAPHIC SURVEY 4 APRIL 2020 DRAWING NO. G302-105.
  - SURVEY OF NORTHERN BREAKWATER BY PORT OF BRISBANE DRAWING NO. 134155-6.

RPEQ	
SIGNATURE	
DATE	19 OCTOBER 2020
NAME	G HARVINDER SINGH
RPEQ NO.	14537



**DEFINITION DRAWING**  
**FOR TENDER**

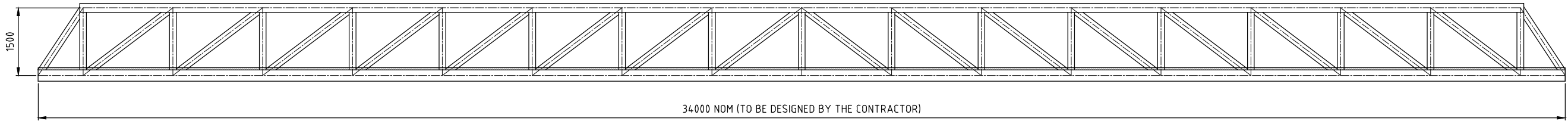
REV	DATE	DRAWN	REV'D	APP'D	REVISION	DRAWING NUMBER	REFERENCE DRAWING TITLE
1	07/10/2020	TeeYC	AC	HS	FOR TENDER		
0	02/10/2020	TeeYC	AC	HS	FOR TENDER		



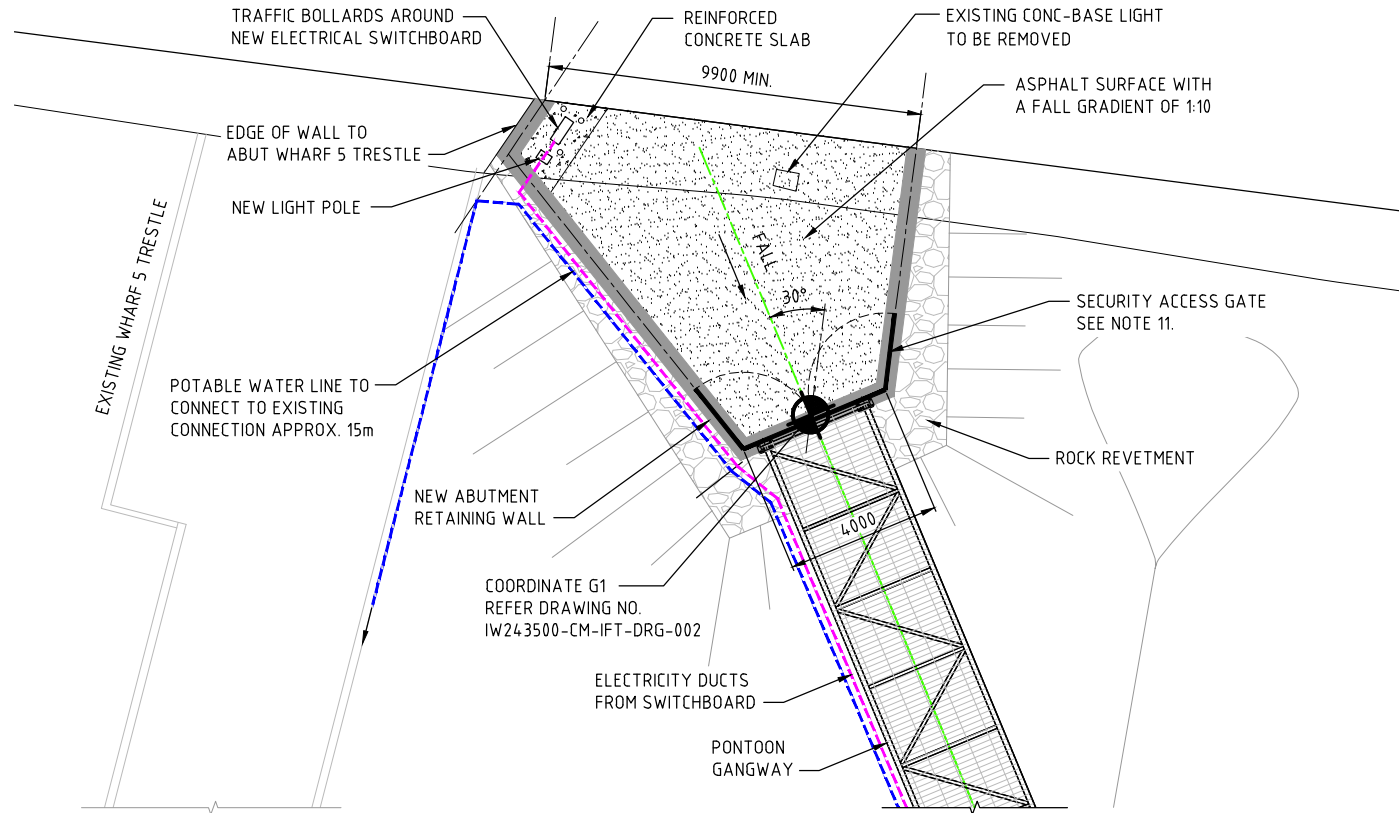
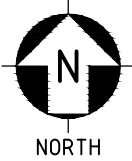
**Jacobs**  
 32 Cordella Street  
 PO Box 3848  
 South Brisbane QLD 4101  
 AUSTRALIA  
 Tel: +61 7 3026 7100  
 Fax: +61 7 3026 7300  
 Web: www.jacobs.com

CLIENT	NORTH QUEENSLAND BULK PORTS CORPORATION		
PROJECT	PORT OF MACKAY TUG BERTH RELOCATION		
DRAWN	DRAWING CHECK	REVIEWED	APPROVED
TeeYC	J Abrahams	A Cummins	H Singh
DESIGNED	DESIGN REVIEW	DATE	DATE
J Abrahams	H Singh	02/10/2020	02/10/2020

TITLE	TUG BERTH TENDER DESIGN GENERAL ARRANGEMENT AND ELEVATION OF PONTON		
SCALE	DRAWING No.	REV	
AS SHOWN	IW243500-CM-IFT-DRG-003	1	



**GANGWAY - TYPICAL ELEVATION**  
SCALE 1:50



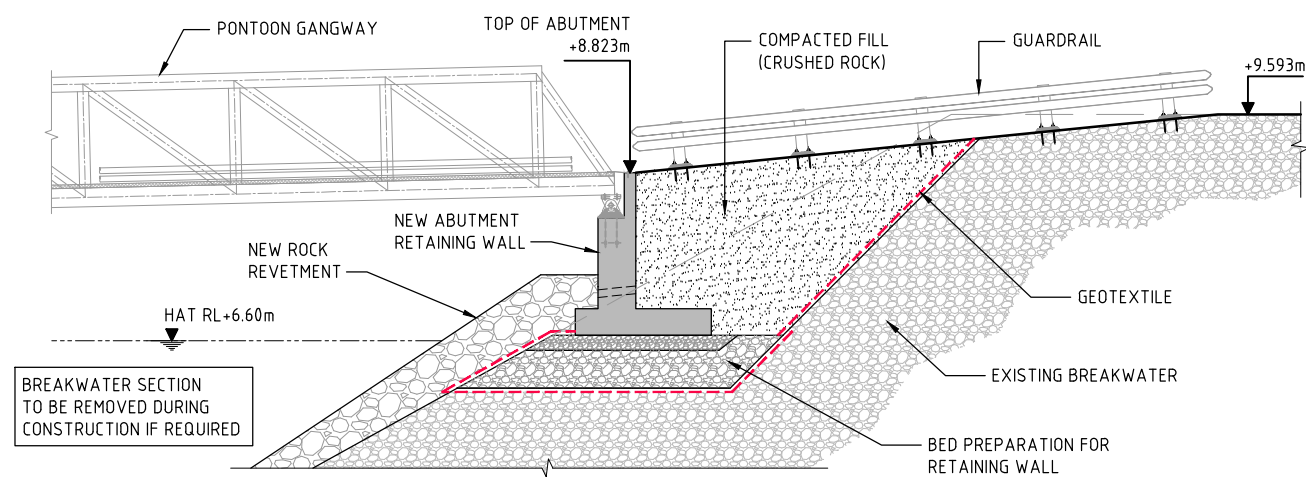
**LAYOUT OF ABUTMENT RETAINING WALL**  
SCALE 1:100

**NORTH QUEENSLAND BULK PORTS CORPORATION**  
**APPROVED SUBJECT TO CONDITIONS**  
NQBPTUG ref: PL/04/02/00010  
Signed: *[Signature]*  
Date: 22/12/2020

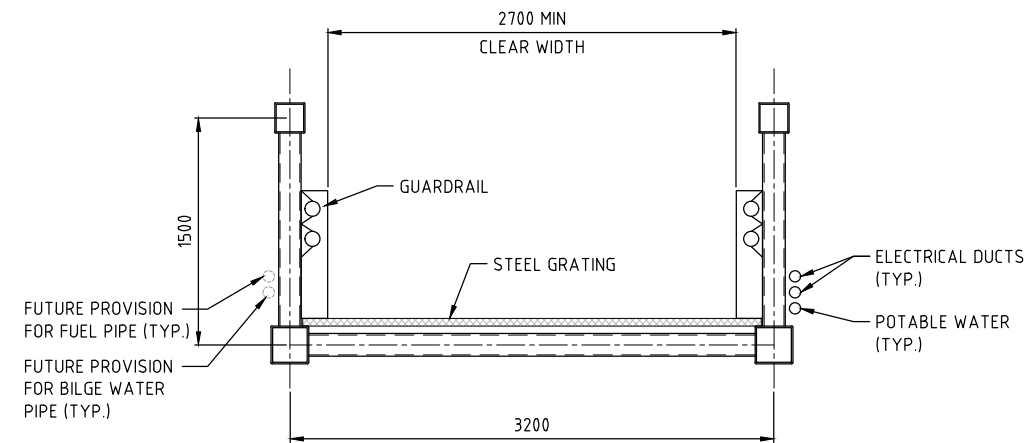
**NOTES:**

- ALL DIMENSIONS SHALL BE MILLIMETERS UNLESS NOTED OTHERWISE.
- ALL LEVELS SHALL BE IN METRES ABOVE LOWEST ASTRONOMICAL TIDE (LAT) UNLESS NOTED OTHERWISE.
- COORDINATES ARE TO MGA ZONE 55 (GDA94). CONTRACTOR SHALL VALIDATE THE COORDINATES PRIOR TO USE.
- SETTING OUT COORDINATES AND DIMENSIONS SHOWN SHALL BE ADOPTED BY THE CONTRACTOR. WHERE DIMENSIONS ARE SHOWN AS MINIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE LESS THAN THE VALUE STATED. WHERE DIMENSIONS ARE SHOWN AS MAXIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE GREATER THAN THE VALUE STATED.
- WHERE ITEMS ARE SHOWN AS INDICATIVE THE CONTRACTOR SHALL VERIFY THE DETAILS THROUGH SITE SURVEY.
- WHERE ITEMS ARE SHOWN AS NOMINAL OR TYPICAL THE DETAILS SHOWN SHALL BE REPLACED TO SUIT THE CONTRACTORS DESIGN.
- THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE DESIGN. NOTHING ON THESE DRAWING SHALL BE TAKEN AS ALLEVIATING THIS RESPONSIBILITY IN ANY WAY.
- DETAILS OF EXISTING STRUCTURES AS SHOWN SHOULD BE TAKEN AS INDICATIVE. CONTRACTOR SHALL VERIFY DETAILS AS REQUIRED PRIOR TO COMMENCING WORKS.
- ACCESS GANGWAY TO BE DESIGNED TO ACCOMMODATE A MAXIMUM OPERATIONAL GRADIENT OF 1:10 FOR SERVICE VEHICLE ACCESS. OPERATIONAL TIDES WOULD THEREFORE BE BETWEEN HAT TO RL+4.4M LAT.
- THE GANGWAY SHALL BE DESIGNED FOR A VEHICLE OF GROSS VEHICLE MASS - GVM 3.5T.
- THE CONTRACTOR SHALL INSTALL AN ACCESS CONTROLLED SECURITY GATE AND SECURITY CAMERA AT THE ENTRANCE OF THE ACCESS GANGWAY WITH SECURITY SYSTEM LINKED TO THE PORT'S GALLAGHER SYSTEM FOR RESTRICTED ENTRY.

RPEQ	
SIGNATURE	<i>[Signature]</i>
DATE	19 OCTOBER 2020
NAME	G HARVINDER SINGH
RPEQ NO.	14537



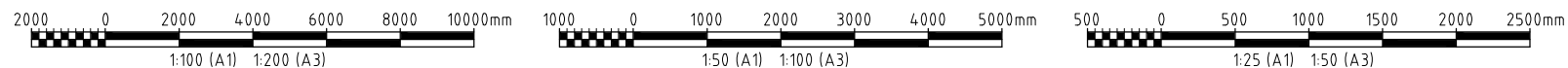
**TYPICAL SECTION THROUGH GANGWAY ABUTMENT**  
SCALE 1:50



**GANGWAY - TYPICAL CROSS SECTION**  
SCALE 1:25

**LEGENDS:**

- TYP. : TYPICAL  
APPROX. : APPROXIMATELY  
NOM : NOMINAL  
MIN. : MINIMUM  
MAX. : MAXIMUM



**DEFINITION DRAWING**  
**FOR TENDER**

REV	DATE	DRAWN	REV'D	APP'D	REVISION	DRAWING NUMBER	REFERENCE DRAWING TITLE
1	07/10/2020	TeeYC	AC	HS	FOR TENDER		
0	02/10/2020	TeeYC	AC	HS	FOR TENDER		



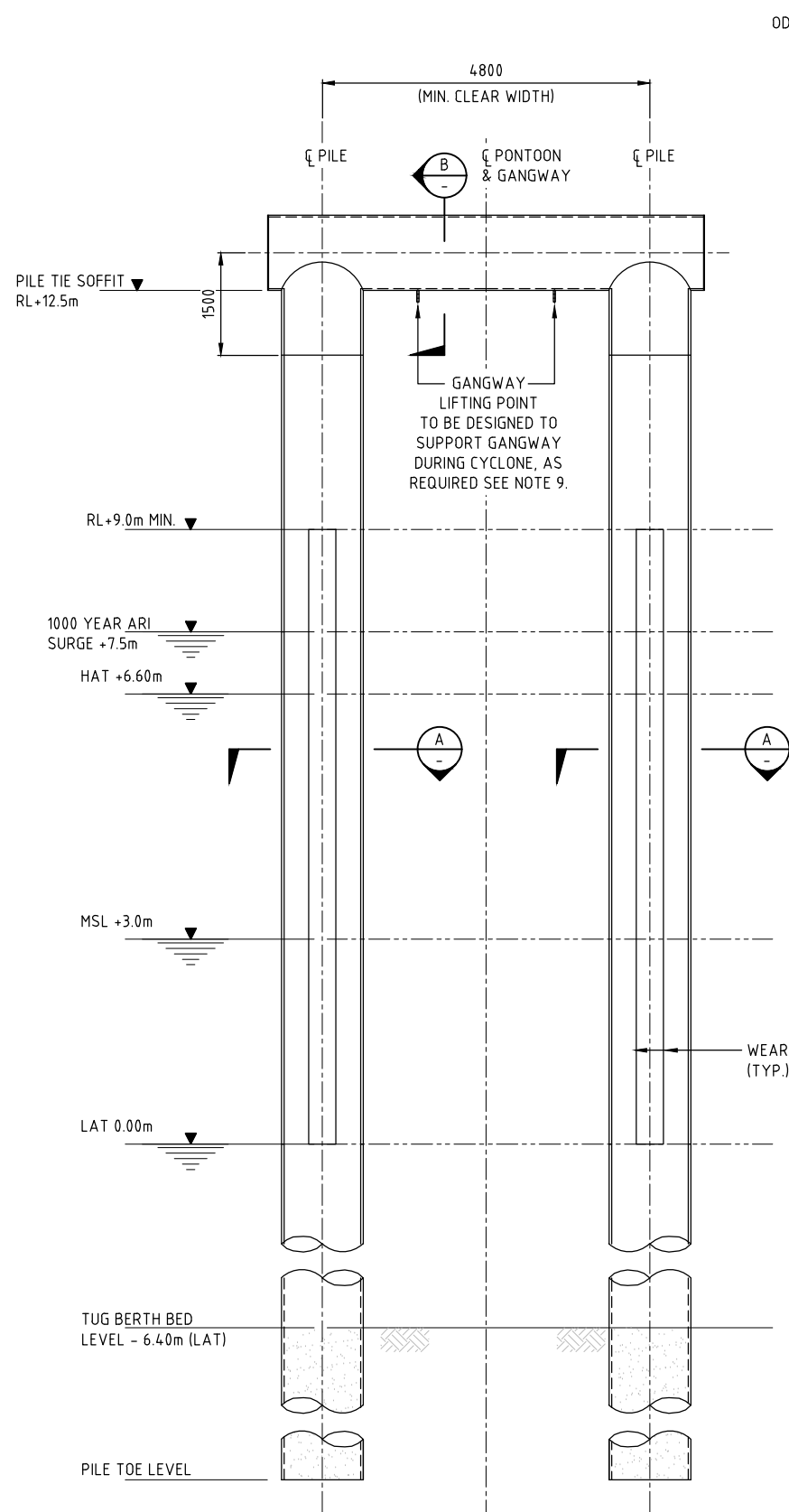
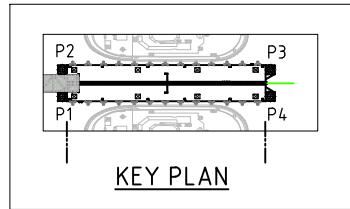
**Jacobs**  
32 Cordella Street  
PO Box 3848  
South Brisbane QLD 4101  
AUSTRALIA  
Tel: +61 7 3026 7100  
Fax: +61 7 3026 7300  
Web: www.jacobs.com

CLIENT NORTH QUEENSLAND BULK PORTS CORPORATION			
PROJECT PORT OF MACKAY TUG BERTH RELOCATION			
DRAWN TeeYC	DRAWING CHECK J Abrahams	REVIEWED A Cummins	APPROVED H Singh
DESIGNED J Abrahams	DESIGN REVIEW H Singh	DATE 02/10/2020	DATE 02/10/2020

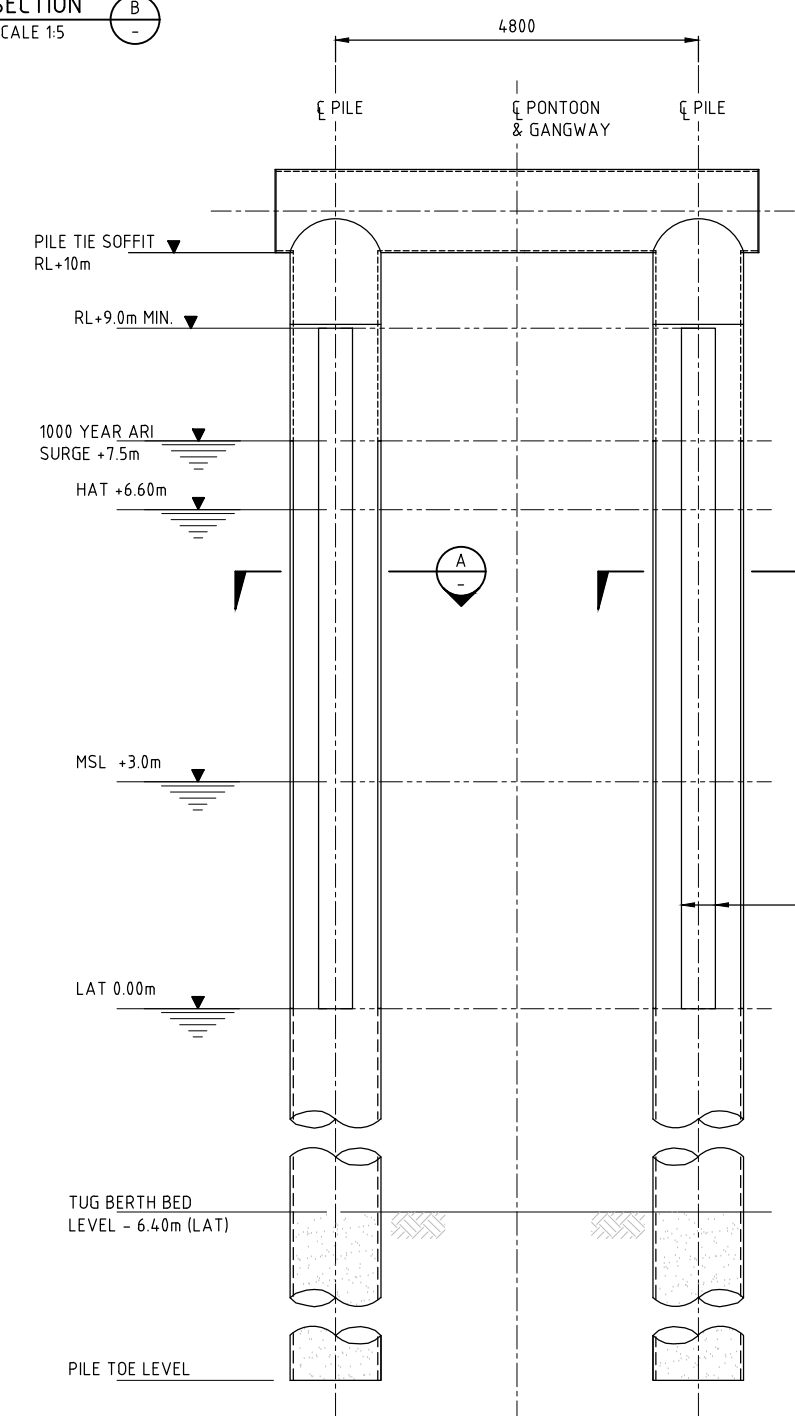
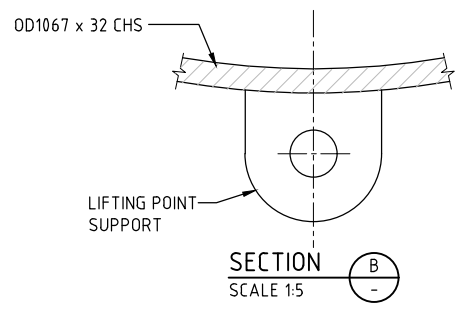
TITLE TUG BERTH TENDER DESIGN GENERAL ARRANGEMENT OF ABUTMENT AND GANGWAY		SCALE AS SHOWN	DRAWING No. IW243500-CM-IFT-DRG-004	REV 1
--	--	----------------	-------------------------------------	-------



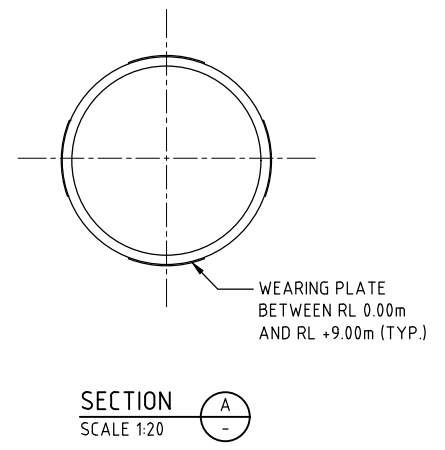
**NORTH QUEENSLAND BULK PORTS CORPORATION**  
**APPROVED SUBJECT TO CONDITIONS**  
 NQBP ref: PL/04/02/00010  
 Signed: \_\_\_\_\_  
 Date: 22/12/2020



**LANDSIDE PILES TYPICAL ELEVATION**  
SCALE 1:50



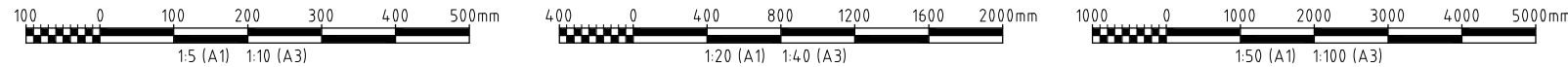
**SEASIDE PILES TYPICAL ELEVATION**  
SCALE 1:50



- NOTES:**
- ALL DIMENSIONS SHALL BE MILLIMETERS UNLESS NOTED OTHERWISE.
  - ALL LEVELS SHALL BE IN METRES ABOVE LOWEST ASTRONOMICAL TIDE (LAT) UNLESS NOTED OTHERWISE.
  - COORDINATES ARE TO MGA ZONE 55 (GDA94). CONTRACTOR SHALL VALIDATE THE COORDINATES PRIOR TO USE.
  - SETTING OUT COORDINATES AND DIMENSIONS SHOWN SHALL BE ADOPTED BY THE CONTRACTOR. WHERE DIMENSIONS ARE SHOWN AS MINIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE LESS THAN THE VALUE STATED. WHERE DIMENSIONS ARE SHOWN AS MAXIMUM THEN THE ACTUAL DIMENSION OF THE CONSTRUCTED WORKS SHALL NOT BE GREATER THAN THE VALUE STATED.
  - WHERE ITEMS ARE SHOWN AS INDICATIVE THE CONTRACTOR SHALL VERIFY THE DETAILS THROUGH SITE SURVEY.
  - WHERE ITEMS ARE SHOWN AS NOMINAL OR TYPICAL THE DETAILS SHOWN SHALL BE REPLACED TO SUIT THE CONTRACTORS DESIGN.
  - THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR THE DESIGN. NOTHING ON THESE DRAWING SHALL BE TAKEN AS ALLEVIATING THIS RESPONSIBILITY IN ANY WAY.
  - DETAILS OF EXISTING STRUCTURES AS SHOWN SHOULD BE TAKEN AS INDICATIVE. CONTRACTOR SHALL VERIFY DETAILS AS REQUIRED PRIOR TO COMMENCING WORKS.
  - THE CONTRACTOR SHALL DESIGN AND INSTALL A LIFTING MECHANISM FOR THE GANGWAY TO BE LIFTED AND SUPPORTED AT ITS LIFTING POINTS DURING A CYCLONE.

- LEGENDS:**
- TYP. : TYPICAL
  - APPROX. : APPROXIMATELY
  - NOM : NOMINAL
  - MIN. : MINIMUM
  - MAX. : MAXIMUM

RPEQ	
SIGNATURE	<i>[Signature]</i>
DATE	19 OCTOBER 2020
NAME	G HARVINDER SINGH
RPEQ NO.	14537



**DEFINITION DRAWING**  
**FOR TENDER**

REV	DATE	DRAWN	REV'D	APP'D	REVISION	DRAWING NUMBER	REFERENCE DRAWING TITLE
1	07/10/2020	TeeYC	AC	HS	FOR TENDER		
0	02/10/2020	TeeYC	AC	HS	FOR TENDER		



**Jacobs**  
 32 Cordella Street  
 PO Box 3848  
 South Brisbane QLD 4101  
 AUSTRALIA  
 Tel: +61 7 3026 7100  
 Fax: +61 7 3026 7300  
 Web: www.jacobs.com

CLIENT NORTH QUEENSLAND BULK PORTS CORPORATION			
PROJECT PORT OF MACKAY TUG BERTH RELOCATION			
DRAWN TeeYC	DRAWING CHECK J Abrahams	REVIEWED A Cummins	APPROVED H Singh
DESIGNED J Abrahams	DESIGN REVIEW H Singh	DATE 02/10/2020	DATE 02/10/2020

TITLE TUG BERTH TENDER DESIGN PILE DETAILS AND SET-OUT DRAWING		SCALE AS SHOWN	DRAWING No. IW243500-CM-FT-DRG-005	REV 1
---	--	----------------	------------------------------------	-------