

Swan and Canning Rivers Management Act 2006

PART 5

DETERMINATION OF DEVELOPMENT APPLICATION

FILE NUMBER

2020/0425

APPLICANT

City Foreshore Investments Ltd

LANDOWNER

Swan River Trust

LAND DESCRIPTION

Swan River adjacent to Lots 305, 306 and 307 Riverside Drive, East Perth, Point Fraser Entertainment Complex/On

the Point Development

DEVELOPMENT

Installation of a berthing facility (Stage 2)

VALID FORM 1 RECEIVED

5 February 2020

DETERMINATION

APPROVAL WITH CONDITIONS

The application to commence development in accordance with the application received on 5 February 2020 and additional information received on 8 April 2020, is APPROVED subject to the following conditions:

Approval to implement this decision is valid for two (2) years from the date of the approval. 1. If substantial on-site works have not commenced within this period, a new approval will be required before commencing or completing the development.

Prior to the commencement of works

- The applicant shall notify the Department of Biodiversity, Conservation and Attractions in 2. writing not less than seven (7) days prior to the commencement of works (see Advice Note 1).
- 3. Prior to the commencement of works, a revised Construction Environmental Management Plan shall be submitted to and approved by the Department of Biodiversity, Conservation and Attractions (see Advice Notes 2 and 5).
- Prior to the commencement of works, final design plans/drawings for the proposed berthing 4. facility, shall be submitted to and approved by the Department of Biodiversity, Conservation and Attractions (see Advice Notes 3 and 5).
- Prior to the commencement of works, a Monitoring and Maintenance Plan shall be 5. submitted to and approved by the Department of Biodiversity, Conservation and Attractions (see Advice Note 4 and 5).
- Prior to the commencement of works, the River reserve lease is to be amended (see 6. Advice Note 5 and 6).

During works

All works shall be implemented in accordance with the plans approved under Conditions 7. 3 and 5.

- 8. No rubbish or any other deleterious matter shall be allowed to enter the river as a result of the works.
- 9. The applicant shall ensure that no damage to the foreshore, riverbank, or waterway (including vegetation and infrastructure) occurs beyond the scope of the approved works. If any inadvertent damage occurs, the applicant is required to notify the Department of Biodiversity, Conservation and Attractions within 48 hours of the damage occurring and rectify the damage at its expense.
- 10. The proposed works shall not prevent public access along the foreshore or across the River reserve unless closure is necessary for safety purposes and has been approved by the Department of Biodiversity, Conservation and Attractions, and an alternative route has been provided.

On completion of works

11. Upon completion of the works, all waste materials, equipment, and machinery shall be removed, and the site cleaned up and reinstated to the satisfaction of the Department of Biodiversity, Conservation and Attractions.

On-going

- 12. The applicant shall undertake on-going monitoring and maintenance of the berthing facility in accordance with the Monitoring and Maintenance Plan approved under **Condition 5**, for the life of the development.
- 13. The berthing facility and associated pens shall remain available for use and access by the broader public. No fees are permitted to be charged for the berthing of vessels. The jetty is for short-term berthing only and not to be used as a home berth.

ADVICE TO APPLICANT

- 1. Notification of commencement of works and submission of documents can be emailed to rivers.planning@dbca.wa.gov.au.
- 2. The Construction Environmental Management Plan required under **Condition 3** is to be amended to address the following:
 - Confirmation whether any land-based machinery or equipment is required. The City
 of Perth advises that site access through the foreshore reserve during construction
 works will not be permitted.
 - Location and details of any materials laydown area.
 - The refuelling of any vessels/barge over the water (including contingency) is only to be carried out at a licenced fuel facility.
 - Update the silt curtain arrangement on Page 8 to ensure that all piling works are confined within the silt curtain. Silt curtains should be visually checked twice a day to ensure that they are secured and functioning as intended.
- 3. In relation to **Condition 4**, the final design drawings and plans are to be signed and certified by an experienced maritime engineer to confirm that they have been designed in accordance with AS3962-2001 *Guidelines for Design of Marinas* (AS3962-2001). Size dimensions of all the jetty structures, berthing pen locations and details of the port hand marker (No. 4276) to be relocated to the end of 'Jetty H' should be included in the plans.

In addition, the City of Perth advises the following:

a. The jetty should be designed to cater for all water levels, including the Lowest Astronomical Tide, Highest Astronomical Tide, storm tide and flooding.

- b. The jetty structures should comply with the relevant loading and stability requirements in accordance with AS3962-2001, including the following criteria: stability, positive floatation, loading general and permanent, floating structure live loads, environmental loads (i.e. wave, winds, water current, floods, debris mats and negative lift) and berthing loads.
- c. No deck furniture to be permitted on the floating pontoon.
- d. Tidal levels should be indicated on the fender piles.
- e. All piles should have a 300mm wide retro reflective band 300mm below the pile cap.
- f. The decking for the jetty structures to be a non-slip surface suitable for the marine environment.
- g. A full design report to be prepared to outline the maximum allowable vessels permitted based on the pontoon length, water depth, river channel width and safe vessel operation and manoeuvrability and confirmation that the Australian Maritime Safety Authority (or equivalent) has been consulted with regard to these dimensional constraints.
- 4. In relation to **Condition 5**, the Monitoring and Maintenance Plan is to outline the applicant's commitments in maintaining public access and safety, waste management, fuel spill management and general maintenance of the berthing facility. The applicant should maintain current liability insurance for the berthing facility, with a copy to be provided to the Department of Biodiversity, Conservation and Attractions.
- 5. In regard to **Condition 6**, an amendment of the River reserve lease is required to:
 - a. Extend the lease boundary to include the new berthing facility and associated short term berthing pens;
 - b. Address the leaseholder's responsibility for providing on-going management of the berthing facility and short-term berthing pens;
 - c. Restrict berthing duration of vessels to temporary or short-term berthing only (i.e. 3-4 hours maximum); and
 - d. Ensuring the floating jetty structures are maintained as a public use facility.

The leaseholder shall be responsible for all legal costs associated with the amendment of the lease and shall also be required to prepare and implement an Environmental Management System (EMS) to the satisfaction of the Department of Biodiversity, Conservation and Attractions. This approval does not authorise the applicant to carry out any other works besides the scope of the approved works, whether within or outside the lease area. If any other work is proposed, an additional approval from the Department of Biodiversity, Conservation and Attractions shall be required. Dredging works (to create or maintain access to berthing pens) are unlikely to be supported by the Department of Biodiversity, Conservation and Attractions.

- 6. To allow sufficient time for the Department of Biodiversity, Conservation and Attractions to consider and approve the plans and details required under **Conditions 4** to **6**, the documents shall be submitted to the Department of Biodiversity, Conservation and Attractions at least 30 days before the expected works commencement date.
- 7. Regarding navigational safety, the Department of Transport (DoT) advises the following:
 - a. All in-water operations and activities must be conducted in accordance with the relevant marine legislative provisions.
 - b. Prior to the commencement of works, a temporary notice to mariners (TNTM) outlining the scope of works and works area, navigational markings (lighting) and date of works must be issued. The applicant will need to notify DoT by email (navigational.safety@transport.wa.gov.au) at least 21 days prior to works commencing to enable a TNTM to be published.

- c. The applicant is to ensure that the maximum design size of vessels at each proposed jetty is supported by sufficient water depth to ensure the safe berthing of vessels.
- d. DoT's port hand marker (No. 4276) must be relocated to the top of the pylon at the end of the Jetty H and be placed at a sufficient height to ensure that it is seen above any vessels which are berthed at the jetty. DoT is to be notified by email (marked attention: Navigational Aids Coordinator, navigational.safety@transport.wa.gov.au and navigational.safety@transport.wa.gov.au following the relocation works.
- e. It is recommended that consultation be undertaken with ferry operators, community clubs (i.e. Rowing Western Australia) and the adjacent canoe operator, that have vessels/crafts transiting the area, regarding the proposed development.
- 8. This application and therefore approval do not include any signage. A separate permit application and approval for signage will be required from the Department of Biodiversity, Conservation and Attractions in accordance with the Swan and Canning Rivers Management Regulations 2007.
- 9. The applicant is advised that the proposal has the potential to be affected by the 1 per cent annual exceedance probability (AEP) flood level and potential sea level rise, with the 1% AEP flood level expected to be approximately 1.5mAHD, and approximately 2.3mAHD to allow for sea level rise of 0.9m by 2110. The proposed berthing facility will be subject to potential flood damage during major river flow events. The berthing facility design should consider the risk of the structure breaking free during major flooding events (i.e. floating pontoon rising out of the jetty piles), and its potential to cause damage or create blockages to flows downstream. The applicant may need to engage a suitably qualified consultant to investigate suitable jetty design solutions to address these issues.

The onus is on the applicant to undertake its own investigations, risk assessment and exercise its own judgment in determining the level of risk it is prepared to accept. The Swan and Helena River Flood Study (2018) may contain relevant flood information that can be made available by the Department of Water and Environmental Regulation to the applicant on request.

10. The applicant is advised to contact the Department of Planning, Lands and Heritage to ensure that the proposed works do not breach any section of Part IV (Protection of Aboriginal Sites) of the Aboriginal Heritage Act 1972 (AHA). Approval under section 18 of the AHA may be required. It is recommended that the applicant consult the South West Aboriginal Land and Sea Council about the works, which may impact the Swan River. Please refer to the Aboriginal Heritage Due Diligence Guidelines (Department of Planning, Lands and Heritage and the Department of Premier and Cabinet, 2013) when planning specific development within a Heritage area.

Hon Stephen Dawson MLC

MINISTER FOR ENVIRONMENT

Date: 19/8/20

FILE No.

: 2020/0425

DEPARTMENT OF BIODIVERSITY, CONSERVATION AND ATTRACTIONS REPORT

PROPOSAL

: Installation of a berthing facility (Stage 2)

COST

: \$250,000

LOCATION

: Swan River adjacent to Lots 305, 306 and 307 Riverside Drive,

East Perth. Point Fraser Entertainment Complex/On the Point

Development

APPLICANT

: City Foreshore Investments Ltd

LANDOWNER

: Swan River Trust (Reserve 48325)

LOCAL GOVERNMENT : City of Perth

MRS CLASSIFICATION: Waterways

DECISION TYPE

: Part 5, Swan and Canning Rivers Management Act 2006 -

Ministerial Determination

ATTACHMENTS

: 1. Location plan (2 pages)

2. Plans for Stage 1 berthing facility and fender system

previously approved (3 pages)

3. Plans for Stage 2 berthing facility approved on 11 October

2017 (1 page)

4. City of Perth's Advice Letter (2 pages)

5. Updated plans for Stage 2 berthing facility (subject to this

application) (4 pages)

6. Current riverbed lease area (1 page)

7. Public Access Plan (1 page)

RECOMMENDATION

: APPROVAL WITH CONDITIONS

REPORT

1.0 INTRODUCTION

- The Department of Biodiversity, Conservation and Attractions (DBCA) has received an application from City Foreshore Investments Pty Ltd (CFI) proposing to install a berthing facility on the Swan River (Reserve 48325) adjacent to the Point Fraser Entertainment Complex (On the Point Development) at Lots 305, 306 and 307 Riverside Drive, East Perth (see Attachment 1). The subject site is reserved for 'Waterways' under the Metropolitan Region Scheme.
- 1.2 The applicant was granted two permits under the Swan and Canning Rivers Management Regulations 2007 on 8 March 2017 to install a fender system and

Stage 1 of its berthing facility within its existing riverbed lease area (2017/0256 & 2017/0259, P11911 & P11912) adjacent to the Ku De Ta Restaurant (see **Attachment 2**). The approved structures include seven fender piles (475mm x 12.7mm x 26m length) for the existing timber boardwalk/jetty structure and a floating jetty pontoon (2.6m x 19m), gangway (10m long) and one mooring pile (323mm x 9.5mm x 26m length) on the eastern side of the existing boardwalk/jetty structure. The Stage 1 berthing facility is to be used for passenger drop off and pick up, and the short-term berthing of small vessels (i.e. recreational vessels).

- 1.3 The applicant was previously granted an approval under Part 5 of the Swan and Canning Rivers Management Act 2006 (SCRM Act) on 11 October 2017 to expand its berthing facility, with Stage 2 to consist of installing a longer floating pontoon, gangway and jetty piles to accommodate the short-term berthing of large vessels (e.g. commercial ferries) and expansion of the Stage 1 berthing facility by installing three mooring piles to create four (4) pens (i.e. 8m wide berths) to accommodate the short-term berthing of additional small/recreational vessels (see Attachment 3). However, the approval expired prior to the works being implemented.
- 1.4 The proposed development is to occur on a lot wholly within the Swan Canning Development Control Area and outside of the applicant's River reserve lease area and therefore requires an approval from the Minister for Environment in accordance with Part 5 of the SCRM Act.
- 1.5 The Director General of DBCA has prepared this report in accordance with section 76 of the SCRM Act.

2.0 CONSULTATION

City of Perth

- 2.1 The City of Perth (the City) has assessed the application and advises that it supports the proposal subject to conditions relating to the berthing facility design, construction management and on-going monitoring and maintenance of the proposed structures, being incorporated on the approval.
- 2.2 The City's full comments are provided at Attachment 4.

Department of Planning, Lands and Heritage

- 2.3 The Department of Planning, Lands and Heritage (DPLH) has reviewed the application and advised that the proposed structures are located within a Registered Site of Aboriginal Significance (ID 3536 Swan River).
- 2.4 DPLH advised that as the proposed works are within an Aboriginal site, the applicant may need to submit a section 18 application under the *Aboriginal Heritage Act* 1972 if any riverbed disturbance works are required (e.g. jetty piling works).
- 2.5 DPLH further advised that the South West Aboriginal Land and Sea Council should be contacted for its advice regarding potential impacts of the proposed development within the Aboriginal site, and the applicant should refer to DPLH's Aboriginal Heritage Due Diligence Guidelines.

Department of Transport, Maritime Planning

2.6 The Department of Transport (DoT), Maritime Planning advised that it has no inprinciple objection and has advised the drawings/designs for the proposed development have already been pre-approved by DoT and a jetty modification licence has been prepared.

Department of Transport, Navigational Safety

- 2.7 DoT, Navigational Safety advised that it has no objections to the proposal, subject to the following recommendations:
 - All in-water operations and activities must be conducted in accordance with the relevant marine legislative provisions;
 - Prior to the commencement of works, a temporary notice to mariners (TNTM) outlining the scope of works and works area, navigational markings (lighting) and date of works must be issued. The applicant will need to notify DoT at least 21 days prior to works commencing to enable a TNTM to be published;
 - The applicant is to ensure that the maximum design size of vessels at each proposed jetty is supported by sufficient water depth to ensure the safe berthing of vessels:
 - DoT's port hand marker (No. 4276) must be relocated to the top of the pylon at the end of Jetty H (see Attachment 5) and be placed at a sufficient height to ensure that it is seen above any vessels which are berthed at the jetty. DoT is to be notified following the relocation works; and
 - It is recommended that consultation be undertaken with ferry operators, community clubs (i.e. Rowing Western Australia) and the adjacent canoe operator that have vessels/crafts transiting the area regarding the proposed development.

Department of Water and Environmental Regulation

- 2.8 The Department of Water and Environmental Regulation (DWER) has reviewed the proposal with regards to flooding impacts and provides the following advice:
 - The section of the Swan River adjacent to the Point Fraser Development is prone
 to both riverine and tidal/storm surge flooding, with riverine flooding being the
 dominant flooding regime. The general area is affected by flooding with the 1%
 AEP flood level expected to be approximately 1.5mAHD, with the designated
 flood level for planning at this location to be approximately 2.3mAHD (to allow for
 sea level rise of 0.9m by 2110);
 - The proposed berthing facility will be subject to potential flood damage during major river flow events;
 - The obstructive effect of the proposed berthing facility is not considered to be significant during major river flows compared to the obstructive effect of the adjacent existing development (i.e. On the Point);
 - The berthing facility design should consider the risk of the structure breaking free during major flooding events (i.e. floating pontoon rising out of the jetty piles), and its potential to cause damage or create blockages to flows downstream. The applicant may need to engage a suitably qualified consultant to investigate suitable jetty design solutions to address these issues; and
 - The Swan and Helena River Flood Study (2018) may contain relevant flood information that can be made available to the applicant on request.

3.0 PUBLIC SUBMISSIONS - SUBMISSIONS ON DRAFT REPORT

- 3.1 In accordance with the requirements of Part 5 of the SCRM Act, a copy of the draft report and proposed recommendation was provided to the applicant and referral agencies. A copy was also published on the DBCA website for a period of two (2) weeks between 22 July 2020 and 5 August 2020 with an invitation for public submissions.
- 3.2 One (1) submission was received from the Department of Planning, Lands and Heritage on 27 July 2020 to advise that it is satisfied that its previous comments have been addressed in the report.

4.0 RELEVANT POLICIES AND PLANS

- ♦ State Planning Policy 2.10 Swan-Canning River System (SPP 2.10)
- ♦ Corporate Policy Statement No. 42 Planning for Land Use, Development and Permitting Affecting the Swan Canning Development Control Area (Policy 42)
- ♦ Corporate Policy Statement No. 44 Planning for Jetties in the Swan Canning Development Control Area (Policy 44)

5.0 ENVIRONMENTAL AND PLANNING CONSIDERATIONS

- ♦ River Reserve Lease
- Environmental Protection
- Jetty Design
- Heritage
- Visual Amenity
- ♦ Public Access and Safety
- ♦ Flood Risk and Sea Level Rise

6.0 BACKGROUND

- 6.1 CFI was issued a development approval by the Western Australian Planning Commission (WAPC) in 2012 to construct the On the Point Development, which consists of an entertainment and restaurant complex, associated alfresco area and board walk around the building. The development has both a land and water-based component, and is located on Lot 306 Riverside Drive, Perth, portions of Lots 305 and 307 Riverside Drive, Perth (A Class reserves) and the River reserve. The water based component of the development consists of a single storey building and timber board walk on a jetty platform.
- 6.2 The proposed works will consist of:
 - Installing a jetty pontoon (approximately 24m x 2.5m) and 5 steel piles with HDPE sleeves and caps.
 - Installing four finger jetties (approximately 10m x 1m) and 4 steel piles with HDPE sleeves and caps (see **Attachment 5**).
- 6.3 The new berthing facility will be located to the east of the existing boardwalk/development and accessed via the jetty and gangway installed as part of the Stage 1 works. The new berthing facility will provide short-term berthing areas for non-powered crafts ('Jetty A'), small pleasure crafts ('Jetty B'), 8m long vessels ('Jetty C-G') and drop-off/pick up points for 15m long vessels ('Jetty H'), and is

- intended to be used for both recreational and commercial vessels (see **Attachment** 5) and be accessible to the public. The new berthing facility is anticipated to provide up to 8-9 berthing areas for crafts and vessels.
- 6.4 The proposed development is located outside the applicant's existing River reserve lease (see **Attachment 6**).
- 6.5 Jetty Marine and Constructions has been engaged by CFI to implement the works and has prepared the drawings and designs and a Construction Environmental Management Plan (CEMP) for the proposed berthing facility.

7.0 DISCUSSION

River Reserve Lease

- 7.1 A River reserve lease (4063m²) was previously held by CFI that was issued in 1986, prior to the establishment of the Swan River Trust (the Trust). The intent of the lease was to facilitate construction of a replica of the Parmelia, a barque sailing ship that was used to transport the first settlers of the Swan River colony to Western Australia, however this did not eventuate. The extensive River reserve lease was considered contentious at the time due to the terms of the lease (being 40 years), and that a large-scale commercial development over the River reserve may not be appropriate at this location.
- 7.2 In order to facilitate a land-based Point Fraser development, the City instigated the excision of a portion of the A Class reserve to create Lot 306 in exchange for the adjacent River reserve lease held by CFI to be nullified.
- 7.3 For the section of the development located over the water, the applicant was issued a revised River reserve lease (1093m²) in 2011. The revised River reserve lease was subject to negotiations at the State Administrative Tribunal due to issues raised by the proponent relating to lease area and terms, and conditions relating to the original development approval regarding public access arrangements through the development.
- 7.4 Following further negotiations with the Trust, an additional lease area was agreed to assist with the management of housekeeping issues such as anti-social behaviour, rubbish, boat mooring and public liability. The revised River reserve lease (1498m²) was issued in 2012 (see **Attachment 6**).
- 7.5 The proposed berthing facility will be consistent with the permitted use of the existing River reserve lease, which includes 'ferry terminal, ticket booth, cafe, restaurant and supper club or any other use approved in writing by the Lessor'.
- 7.6 Given the size and scale of the new berthing facility and to ensure that all jetty infrastructure for the complex/development is routinely maintained and managed, it is recommended that the River reserve lease area be amended to include the new berthing facility and associated berthing pens (i.e. an additional area of approximately 430m²).
- 7.7 SPP 2.10 states that the river is a public resource that should be available to the community in perpetuity; therefore, any proposal for development that may affect the river and its settings should demonstrate a benefit to the community. The lease

terms should also reflect the intent of the berthing facility to be (i) maintained as a public use facility and (ii) for temporary and/or short-term berthing of vessels only.

Environmental Protection

- 7.8 Policy 42 aims to ensure that land use and development on and adjacent to the river system maintains and enhances the quality and amenity of the river environment. Installation of the jetty extension should be carefully undertaken to prevent detrimental impacts to the river.
- 7.9 The applicant has submitted a CEMP that contains management actions to address sediment and turbidity plumes, noise and wildlife monitoring during piling operations, waste management and refuelling of machinery/equipment and spill response, however it is recommended that some amendments to the CEMP are undertaken to ensure all potential environmental impacts are adequately addressed.

Jetty Design

- 7.10 Policy 44 recognises that appropriately designed and located commercial and community boating facilities, such as jetties and boat ramps, form an integral part of the river system setting and are an important recreational and tourist resource. Policy 44 also seeks to ensure that the location of boating infrastructure does not interfere with vessel navigation.
- 7.11 The Draft Perth Water Buneenboro Precinct Plan (PWPP) (DBCA, September 2019) indicates that the expansion of jetty infrastructure to enhance water transport at Point Fraser, a secondary activity node, could be supported.
- 7.12 Point Fraser is located within a narrow stretch of the Swan River (approximately 145m wide), and therefore the development of a commercial jetty facility/marina, including long-term berthing pens, is not considered appropriate at this location. However, a short-term berthing facility to enhance boating access to the river at Point Fraser could be considered and will be consistent with the PWPP.
- 7.13 DoT has previously advised that the proposed berthing facility will have minimal impact on the adjacent navigational channel provided that vessels using the southern-most jetty are berthed alongside the jetty (i.e. not protruding into the channel). The relocation of the navigational marker to the end of Jetty H will assist with vessels transiting the area. DoT's advice to address navigational safety will be included on the approval.
- 7.14 'Jetty A/B' is located in shallow waters (0.6-1.3m depth of water). The applicant has confirmed that no dredging will be required to create or maintain access to the shallow berthing pens, with these berthing pens designed for use by non-powered crafts and small pleasure crafts only.
- 7.15 DoT Maritime Planning has advised that it has pre-approved the drawings/designs for the proposed development and has prepared the jetty modification licence. It is noted that the design drawings and plans submitted with this application have not been signed and certified by a qualified and practising marine engineer to state that it complies with AS3962-2001 *Guidelines for Design of Marinas*. It is recommended that final design drawings and plans for the proposed berthing facility are provided to DBCA prior to works commencing.

- 7.16 To ensure that the new jetty structure is regularly managed and maintained (e.g. litter, fuel spill management and general maintenance), a maintenance and monitoring plan (MMP) will be required as a condition of approval.
- 7.17 Once constructed, the new berthing facility is anticipated to enhance boating access to the river at Point Fraser, including the On the Point development.

Heritage

- 7.18 Policy 42 states that places of cultural and heritage significance, both Aboriginal and European, and of natural heritage are to be conserved.
- 7.19 The proposal is within the boundaries of an Aboriginal site (Swan River).
- 7.20 An advice note will be included to advise the applicant that an approval under section 18 of the *Aboriginal Heritage Act 1972* may be required.

Visual Amenity

- 7.21 Policy 42 indicates that development should seek to enhance and protect the character and landscape setting of the river through the avoidance of stark and discordant colours, forms and bulk.
- 7.22 The jetty pontoons are proposed to have hardwood timber decking and dull-grey aluminium extrusions. The steel jetty piles will be encased in black HDPE sleeves and white caps. The materials, colours and finishes for the proposed jetty structures will generally be consistent with the Stage 1 berthing facility.

Public Access and Safety

- 7.23 The walkways through the On the Point Development (i.e. board walk) have been made accessible to the public through provisions in the River reserve lease and development approval (see Attachment 7). This public walkway aligns with the path network of the adjacent foreshore reserve, which also connects to the Point Fraser Carpark.
- 7.24 Public access along the foreshore and the Point Fraser development during the construction works should be maintained wherever possible and restricted only for safety reasons.
- 7.25 The applicant has advised that the delivery of materials to the site will be via water transport. Details regarding the use of land-based machinery have not been provided. The applicant can be advised to confirm its site access arrangements and the maintenance of public access within the CEMP.

Flood Prone Area and Sea Level Rise

7.26 Policy 42 states that development within the floodway that will significantly affect the normal flow of the Swan and Canning rivers during floods and/or will lead to the degradation of the natural features of the river system should not be supported.

7.27 The proposed development has the potential to be affected by flood waters and sea level rise. An advice note will be included to advise the applicant that the jetty designs should account for these matters.

8.0 SWAN RIVER TRUST

8.1 In accordance with section 75(3A) of the SCRM Act, the Trust considered DBCA's draft report at its meeting on 16 June 2020 where it resolved to support the application subject to the recommended conditions.

9.0 CONCLUSION

- 9.1 The proposed berthing facility is not considered to be excessive in scale or bulk, and will not have a significant visual impact on the area. The proposed berthing facility seeks to improve the amenity of the area by facilitating access to and from the river.
- 9.2 Potential environmental impacts during construction from the proposed works can be addressed through the preparation and implementation of an approved CEMP required as a condition of approval.
- 9.3 Future community use, operation and management of the berthing facility can be addressed through future leasing provisions, and a maintenance and monitoring plan.
- 9.4 For these reasons, the proposal is recommended for approval subject to conditions and advice.

10.0 RECOMMENDATION - APPROVAL WITH CONDITIONS

That the Director General of DBCA advises the Minister for Environment that CFI's proposal to install a berthing facility on the Swan River (Reserve 48325) adjacent to the Point Fraser Entertainment Complex (On the Point Development) at Lots 305, 306 and 307 Riverside Drive, East Perth, as described in the application received on 5 February 2020 and additional information received on 8 April 2020, be approved, subject to the following conditions:

1. Approval to implement this decision is valid for two (2) years from the date of the approval. If substantial on-site works have not commenced within this period, a new approval will be required before commencing or completing the development.

Prior to the commencement of works

- 2. The applicant shall notify the Department of Biodiversity, Conservation and Attractions in writing not less than seven (7) days prior to the commencement of works (see **Advice Note 1**).
- 3. Prior to the commencement of works, a revised Construction Environmental Management Plan shall be submitted to and approved by the Department of Biodiversity, Conservation and Attractions (see **Advice Notes 2** and **5**).
- 4. Prior to the commencement of works, final design plans/drawings for the proposed berthing facility, shall be submitted to and approved by the Department of Biodiversity, Conservation and Attractions (see **Advice Notes 3** and **5**).

- 5. Prior to the commencement of works, a Monitoring and Maintenance Plan shall be submitted to and approved by the Department of Biodiversity, Conservation and Attractions (see **Advice Note 4** and **5**).
- 6. Prior to the commencement of works, the River reserve lease is to be amended (see **Advice Note 5** and **6**).

During works

- 7. All works shall be implemented in accordance with the plans approved under **Conditions 3** and **5.**
- 8. No rubbish or any other deleterious matter shall be allowed to enter the river as a result of the works.
- 9. The applicant shall ensure that no damage to the foreshore, riverbank, or waterway (including vegetation and infrastructure) occurs beyond the scope of the approved works. If any inadvertent damage occurs, the applicant is required to notify the Department of Biodiversity, Conservation and Attractions within 48 hours of the damage occurring and rectify the damage at its expense.
- 10. The proposed works shall not prevent public access along the foreshore or across the River reserve unless closure is necessary for safety purposes and has been approved by the Department of Biodiversity, Conservation and Attractions, and an alternative route has been provided.

On completion of works

11. Upon completion of the works, all waste materials, equipment, and machinery shall be removed, and the site cleaned up and reinstated to the satisfaction of the Department of Biodiversity. Conservation and Attractions.

On-going

- 12. The applicant shall undertake on-going monitoring and maintenance of the berthing facility in accordance with the Monitoring and Maintenance Plan approved under **Condition 5**, for the life of the development.
- 13. The berthing facility and associated pens shall remain available for use and access by the broader public. No fees are permitted to be charged for the berthing of vessels. The jetty is for short-term berthing only and not to be used as a home berth.

ADVICE TO APPLICANT

- 1. Notification of commencement of works and submission of documents can be emailed to rivers.planning@dbca.wa.gov.au.
- 2. The Construction Environmental Management Plan required under **Condition 3** is to be amended to address the following:
 - a. Confirmation whether any land-based machinery or equipment is required. The City of Perth advises that site access through the foreshore reserve during construction works will not be permitted.

- b. Location and details of any materials laydown area.
- c. The refuelling of any vessels/barge over the water (including contingency) is only to be carried out at a licenced fuel facility.
- d. Update the silt curtain arrangement on Page 8 to ensure that all piling works are confined within the silt curtain. Silt curtains should be visually checked twice a day to ensure that they are secured and functioning as intended.
- 3. In relation to Condition 4, the final design drawings and plans are to be signed and certified by an experienced maritime engineer to confirm that they have been designed in accordance with AS3962-2001 Guidelines for Design of Marinas (AS3962-2001). Size dimensions of all the jetty structures, berthing pen locations and details of the port hand marker (No. 4276) to be relocated to the end of 'Jetty H' should be included in the plans.

In addition, the City of Perth advises the following:

- a. The jetty should be designed to cater for all water levels, including the Lowest Astronomical Tide, Highest Astronomical Tide, storm tide and flooding.
- b. The jetty structures should comply with the relevant loading and stability requirements in accordance with AS3962-2001, including the following criteria: stability, positive floatation, loading general and permanent, floating structure live loads, environmental loads (i.e. wave, winds, water current, floods, debris mats and negative lift) and berthing loads.
- c. No deck furniture to be permitted on the floating pontoon.
- d. Tidal levels should be indicated on the fender piles.
- e. All piles should have a 300mm wide retro reflective band 300mm below the pile cap.
- f. The decking for the jetty structures to be a non-slip surface suitable for the marine environment.
- g. A full design report to be prepared to outline the maximum allowable vessels permitted based on the pontoon length, water depth, river channel width and safe vessel operation and manoeuvrability and confirmation that the Australian Maritime Safety Authority (or equivalent) has been consulted with regard to these dimensional constraints.
- 4. In relation to **Condition 5**, the Monitoring and Maintenance Plan is to outline the applicant's commitments in maintaining public access and safety, waste management, fuel spill management and general maintenance of the berthing facility. The applicant should maintain current liability insurance for the berthing facility, with a copy to be provided to the Department of Biodiversity, Conservation and Attractions.
- 5. In regard to Condition 6, an amendment of the River reserve lease is required to:
 - a. Extend the lease boundary to include the new berthing facility and associated short term berthing pens;
 - b. Address the leaseholder's responsibility for providing on-going management of the berthing facility and short-term berthing pens;
 - c. Restrict berthing duration of vessels to temporary or short-term berthing only (i.e. 3-4 hours maximum); and
 - d. Ensuring the floating jetty structures are maintained as a public use facility.

The leaseholder shall be responsible for all legal costs associated with the amendment of the lease and shall also be required to prepare and implement an Environmental Management System (EMS) to the satisfaction of the Department of Biodiversity, Conservation and Attractions. This approval does not authorise the applicant to carry out any other works besides the scope of the approved works, whether within or outside

the lease area. If any other work is proposed, an additional approval from the Department of Biodiversity, Conservation and Attractions shall be required. Dredging works (to create or maintain access to berthing pens) are unlikely to be supported by the Department of Biodiversity, Conservation and Attractions.

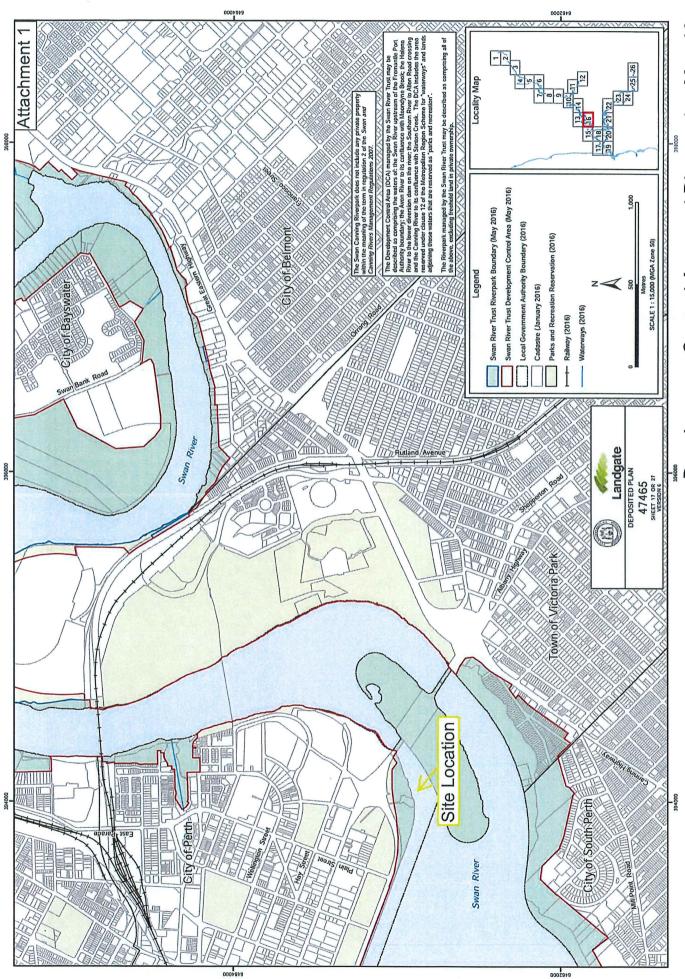
- 6. To allow sufficient time for the Department of Biodiversity, Conservation and Attractions to consider and approve the plans and details required under **Conditions 4** to **6**, the documents shall be submitted to the Department of Biodiversity, Conservation and Attractions at least 30 days before the expected works commencement date.
- 7. Regarding navigational safety, the Department of Transport (DoT) advises the following: a. All in-water operations and activities must be conducted in accordance with the relevant marine legislative provisions.
 - b. Prior to the commencement of works, a temporary notice to mariners (TNTM) outlining the scope of works and works area, navigational markings (lighting) and date of works must be issued. The applicant will need to notify DoT by email (navigational.safety@transport.wa.gov.au) at least 21 days prior to works commencing to enable a TNTM to be published.
 - c. The applicant is to ensure that the maximum design size of vessels at each proposed jetty is supported by sufficient water depth to ensure the safe berthing of vessels.
 - d. DoT's port hand marker (No. 4276) must be relocated to the top of the pylon at the end of the Jetty H and be placed at a sufficient height to ensure that it is seen above any vessels which are berthed at the jetty. DoT is to be notified by email (marked attention: Navigational Aids Coordinator, navigational.safety@transport.wa.gov.au and navigational.safety@transport.wa.gov.au and navigational.safety@transport.wa.gov.au and navigational.safety@transport.
 - e. It is recommended that consultation be undertaken with ferry operators, community clubs (i.e. Rowing Western Australia) and the adjacent canoe operator, that have vessels/crafts transiting the area, regarding the proposed development.
- 8. This application and therefore approval do not include any signage. A separate permit application and approval for signage will be required from the Department of Biodiversity, Conservation and Attractions in accordance with the Swan and Canning Rivers Management Regulations 2007.
- 9. The applicant is advised that the proposal has the potential to be affected by the 1 per cent annual exceedance probability (AEP) flood level and potential sea level rise, with the 1% AEP flood level expected to be approximately 1.5mAHD, and approximately 2.3mAHD to allow for sea level rise of 0.9m by 2110. The proposed berthing facility will be subject to potential flood damage during major river flow events. The berthing facility design should consider the risk of the structure breaking free during major flooding events (i.e. floating pontoon rising out of the jetty piles), and its potential to cause damage or create blockages to flows downstream. The applicant may need to engage a suitably qualified consultant to investigate suitable jetty design solutions to address these issues.

The onus is on the applicant to undertake its own investigations, risk assessment and exercise its own judgment in determining the level of risk it is prepared to accept. The Swan and Helena River Flood Study (2018) may contain relevant flood information that can be made available by the Department of Water and Environmental Regulation to the applicant on request.

10. The applicant is advised to contact the Department of Planning, Lands and Heritage to ensure that the proposed works do not breach any section of Part IV (Protection of

Aboriginal Sites) of the *Aboriginal Heritage Act 1972* (AHA). Approval under section 18 of the AHA may be required. It is recommended that the applicant consult the South West Aboriginal Land and Sea Council about the works, which may impact the Swan River. Please refer to the *Aboriginal Heritage Due Diligence Guidelines* (Department of Planning, Lands and Heritage and the Department of Premier and Cabinet, 2013) when planning specific development within a Heritage area.

FINAL REPORT ENDORSED			
Signed: Mark Web Director G		Date:_	16/8/20



Development Control Area and Riverpark Map 16

Point Fraser

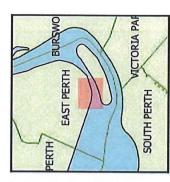
Legend

Swan River Trust - DCA (2016)
Perth Central Cadastre (Land Parcels)



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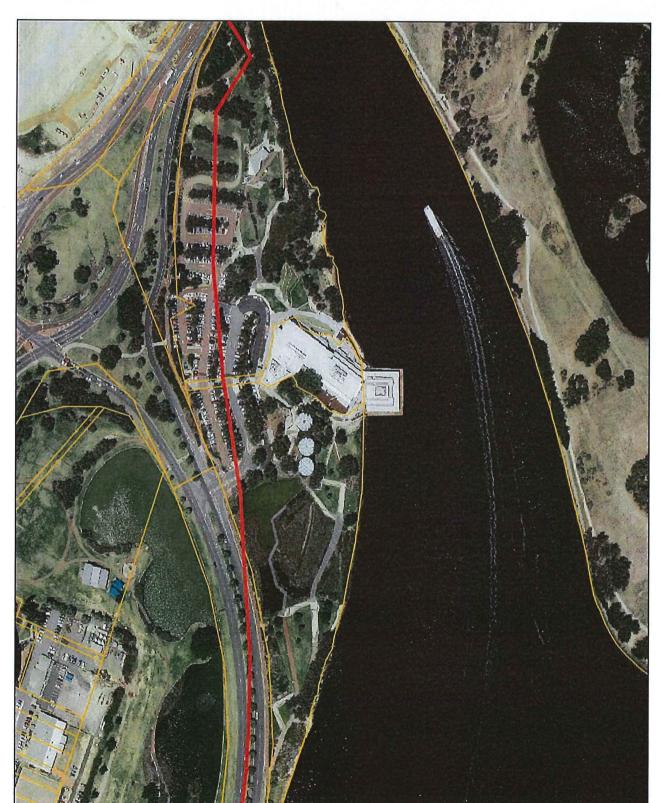
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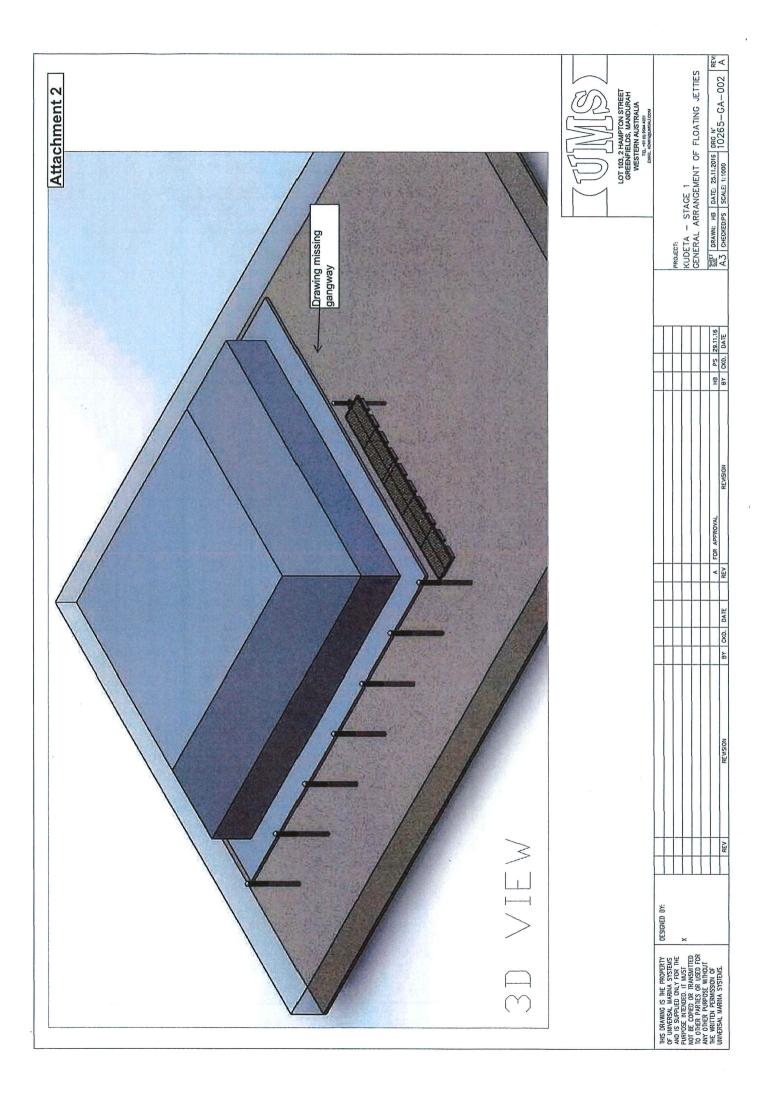
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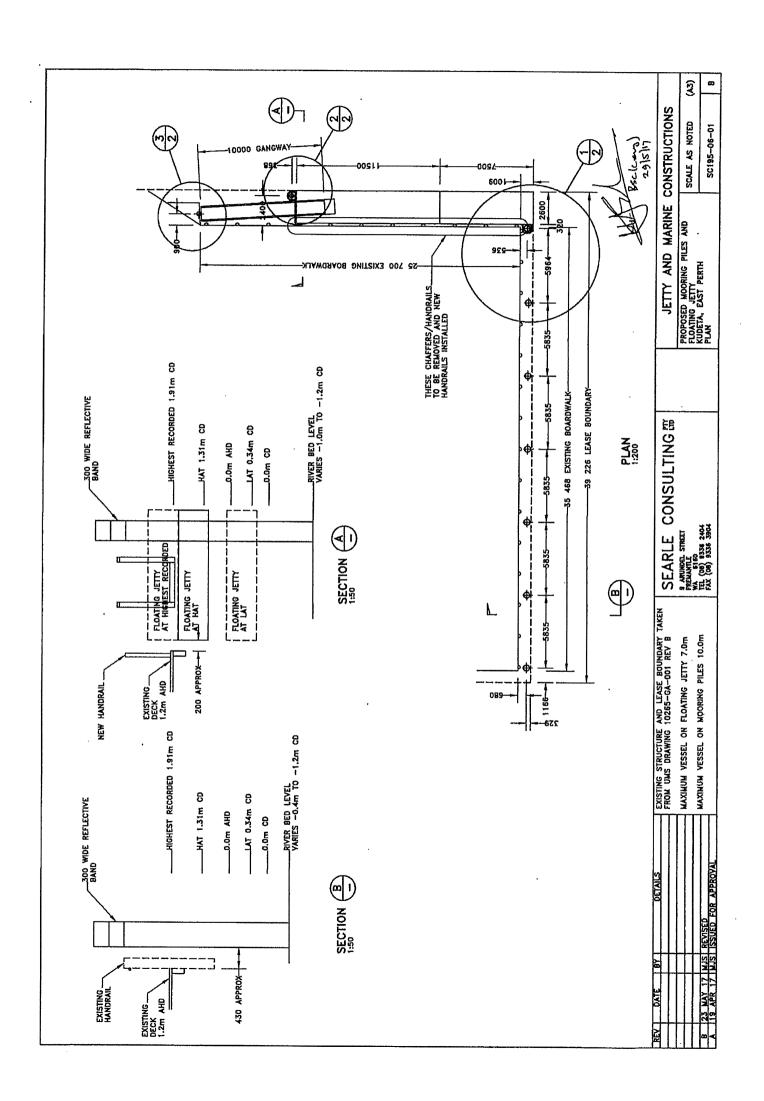


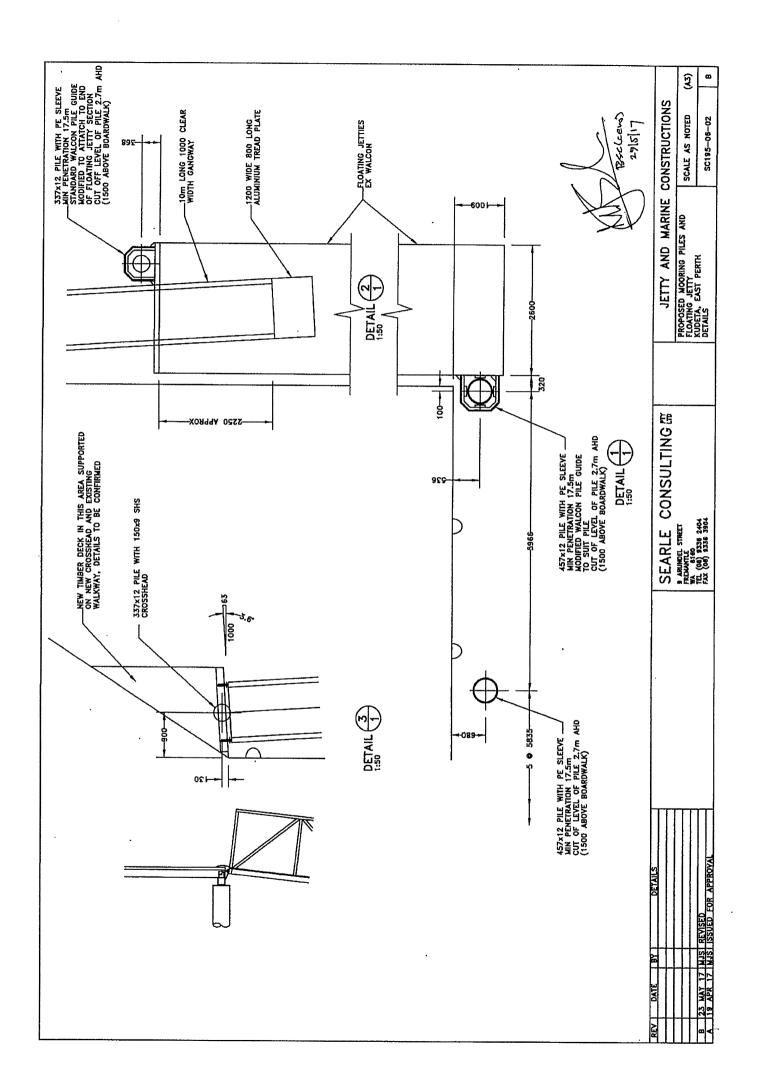
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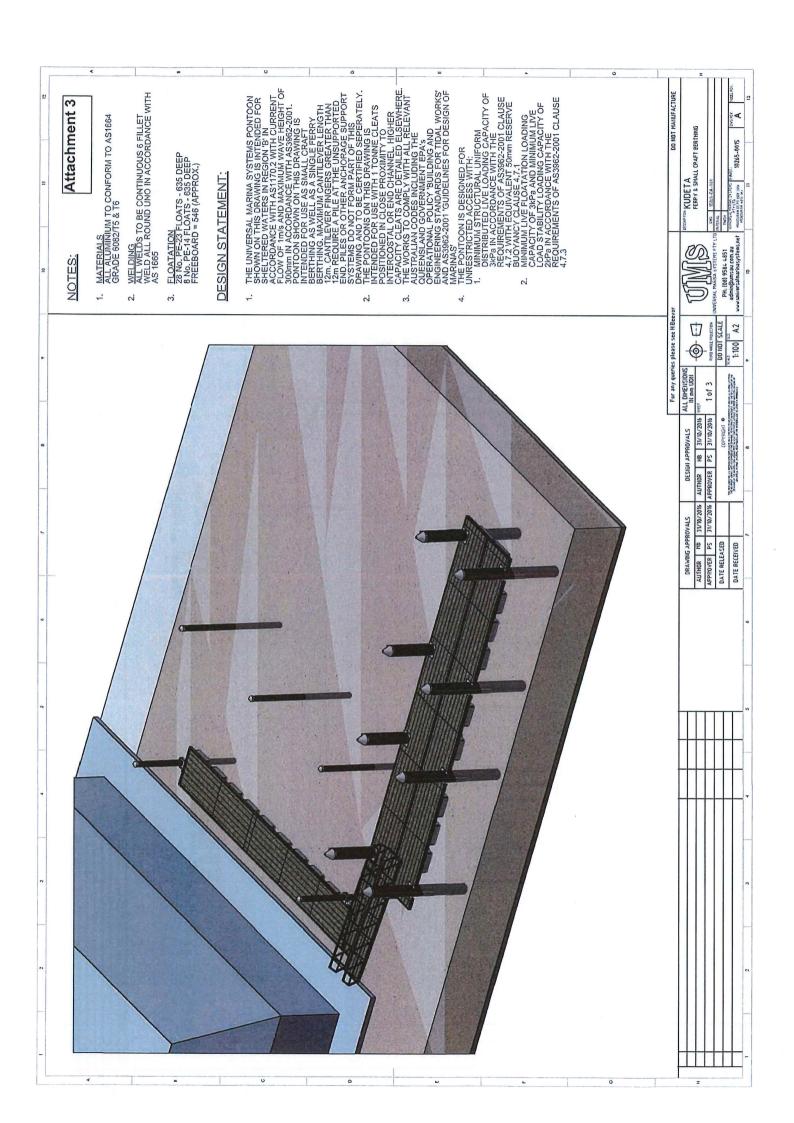


The Department of Paics and Wildfie dass not guarantee that this map is without flaw of any kind and decidins all idolity for any errors, loss or other consequence which may airse from relying an any information depicted. Reads and tracks on land only to conditions and a reads.











City of **Perth**

27 May 2020

Mr Glen McLeod-Thorpe
Manager Statutory Assessments
Department of Biodiversity, Conservation and Attractions
Locked Bag 104
BENTLEY DELIVERY CENTRE WA 6983

Dear Mr McLeod-Thorpe,

21 (LOT 306) RIVERSIDE DRIVE, EAST PERTH - REVISED STAGE 2 BERTHING FACILITY AT THE POINT FRASER RESTAURANT AND ENTERTAINMENT DEVELOPMENT

Thank you for your email dated 13 May 2020 referring an application for the revised Stage 2 berthing facility at the Point Fraser restaurant and entertainment development to the City for comment.

It is advised that the City supports this proposal subject to the following recommended conditions: -

- 1. The pontoon being designed to cater for all water levels including Lowest Astronomical Tide (LAT), Highest Astronomical Tide (HAT), storm tide and flooding.
- 2. The flotation modules complying with the relevant loading and stability requirements according to the Australian Standard AS3962 "Guidelines for design of marinas" and certified by a professional engineer, including the following criteria: -
 - Stability;
 - Positive flotation;
 - Loading general;
 - Loading permanent;
 - Floating structure live loads;
 - Environmental loads i.e. waves, winds and water current (including floods, debris mats and negative lift); and
 - Berthing loads.
- 3. No deck furniture being permitted on the flotation modules.
- 4. Tidal levels being indicated on the fender piles.

Council House, 27 St Georges Terrace, Perth GPO Box C120, Perth Western Australia 6839 P 9461 3333 | perth.wa.gov.au | ABN 83 780 118 628 Enquiries to: Jasmine Hancock Contact: 08 9461 3106 Our Ref: DA-2020/5111 DPaW Ref: 2020/000425

- 5. All piles having a 300mm wide retro reflective band 300mm below the pilecap.
- 6. The flotation modules being a non-slip surface suitable for the marine environment.
- 7. The owner of the land to which the structure attaches or benefits being responsible for the ongoing care and maintenance of the installed structure/works.
- 8. A full design report being prepared outlining the maximum allowable vessels permitted based on the pontoon length, water depth, river channel width and safe vessel operation and manoeuvrability and confirmation that the Maritime Safety Western Australia or equivalent agency has been consulted with regard to these dimensional constraints.
- 9. No land access being permitted to construct the berthing facility.
- 10. All environmental and occupational health and safety requirements set out in the application being met as stated in the Construction Management Plan.

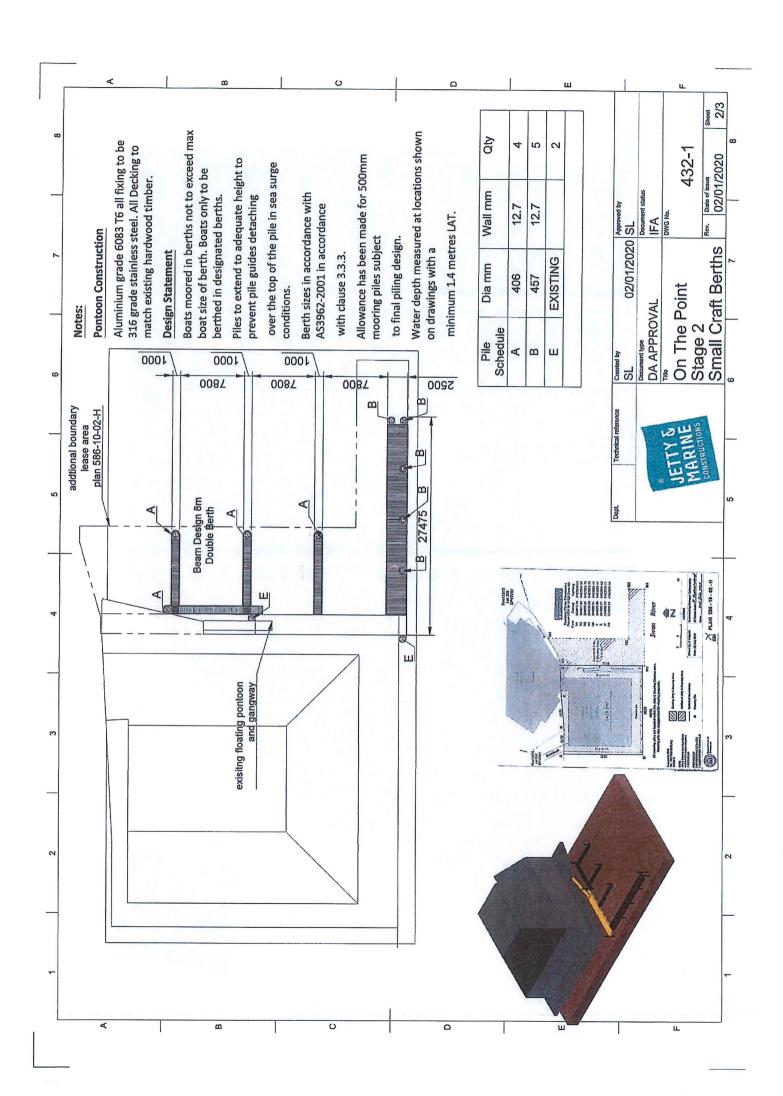
Jasmine Hancock of the City's Development Approvals Unit is available on 08 9461 3106 to assist you with any further queries you may have relating to this matter.

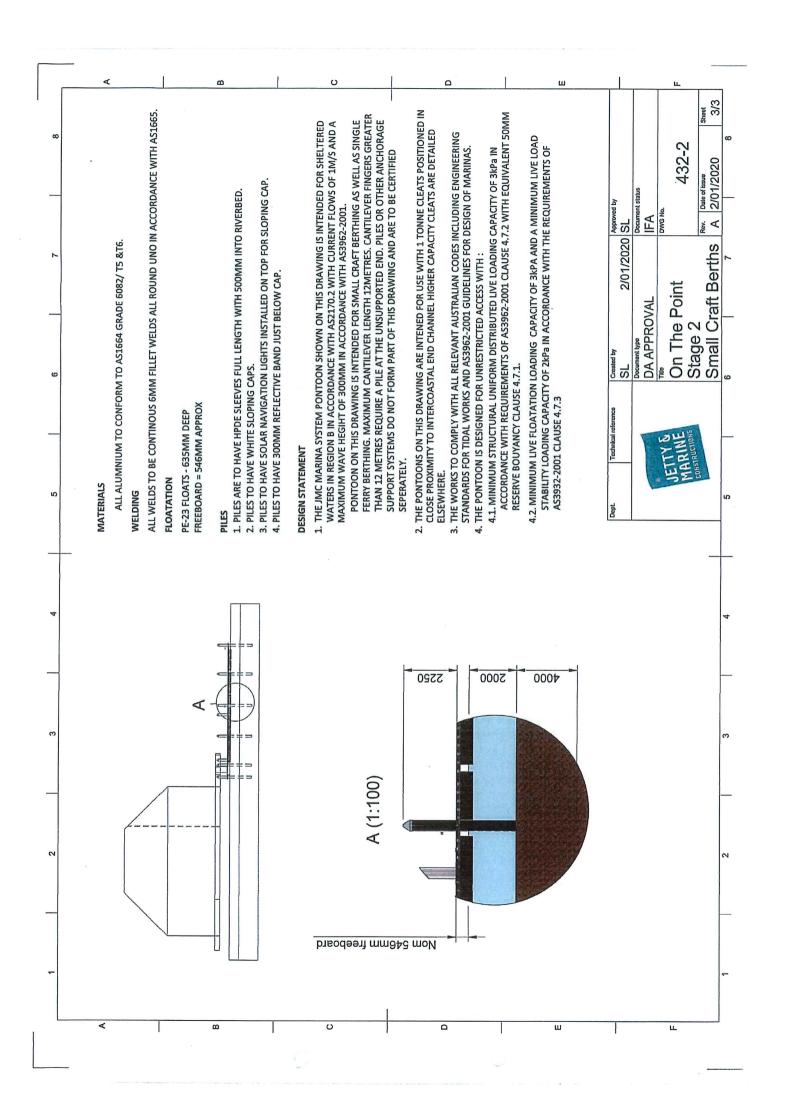
Yours sincerely,

MARGARET SMITH

April hith

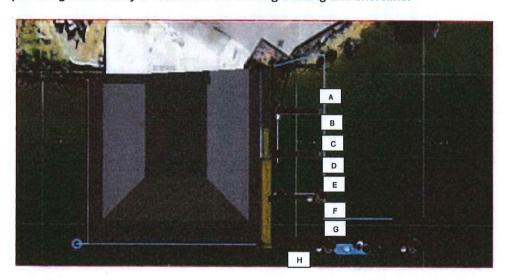
ALLIANCE MANAGER DEVELOPMENT APPROVALS





Scaled Overlay

We have overlayed the extent of the new jetty structures over the aerial photograph to provide greater clarity in relation to the existing building and shoreline.



All berths are short stay berths with no overnight berthing and all full public access.

Intended Public Usage

Jetty A: Use for non-powered small pleasure craft such and canoes berthing

Jetty B: Use for small pleasure craft such as small tenders and jet skis.

Jetty C: 8 Metre Vessels in accordance with AS3962-2001

Jetty D: 8 Metre Vessels in accordance with AS3962-2001

Jetty E: 8 Metre Vessels in accordance with AS3962-2001

Jetty F: 8 Metre Vessels in accordance with AS3962-2001

Jetty G: 8 Metre Vessels in accordance with AS3962-2001

Jetty H: Drop off & pick point for recreational vessels upto 15metre and no greater draught of 1.2metres and commercial vessels such as Little Ferry Company and Captain Cook Cruises which most of their vessels are 1.2metres or below draught.

