



**Environmental Protection Authority**

GOVERNMENT OF  
WESTERN AUSTRALIA

**Referral of a Proposal by the Proponent to the  
Environmental Protection Authority under  
Section 38(1) of the *Environmental Protection Act 1986*.**

**EPA REFERRAL  
FORM  
PROPONENT**

**PURPOSE OF THIS FORM**

Section 38(1) of the *Environmental Protection Act 1986* (EP Act) provides that where a development proposal is likely to have a significant effect on the environment, a proponent may refer the proposal to the Environmental Protection Authority (EPA) for a decision on whether or not it requires assessment under the EP Act. This form sets out the information requirements for the referral of a proposal by a proponent.

( ) Proponents are encouraged to familiarise themselves with the EPA's *General Guide on Referral of Proposals* [see Environmental Impact Assessment/Referral of Proposals and Schemes] before completing this form.

A referral under section 38(1) of the EP Act by a proponent to the EPA must be made on this form. A request to the EPA for a declaration under section 39B (derived proposal) must be made on this form. This form will be treated as a referral provided all information required by Part A has been included and all information requested by Part B has been provided to the extent that it is pertinent to the proposal being referred. Referral documents are to be submitted in two formats – hard copy and electronic copy. The electronic copy of the referral will be provided for public comment for a period of 7 days, prior to the EPA making its decision on whether or not to assess the proposal.

**CHECKLIST**

( ) Before you submit this form, please check that you have:

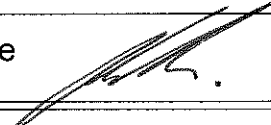
	Yes	No
Completed all the questions in Part A (essential).	✓	
Completed all applicable questions in Part B.	✓	
Included Attachment 1 – location maps.	✓	
Included Attachment 2 – additional document(s) the proponent wishes to provide (if applicable).	✓	
Included Attachment 3 – confidential information (if applicable).	✓	
Enclosed an electronic copy of all referral information, including spatial data and contextual mapping but excluding confidential information.	✓	

Following a review of the information presented in this form, please consider the following question (a response is optional).

Do you consider the proposal requires formal environmental impact assessment?		
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Not sure
If yes, what level of assessment?		
<input type="checkbox"/> Assessment on Proponent Information	<input type="checkbox"/> Public Environmental Review	

**PROPONENT DECLARATION** (to be completed by the proponent)

I, .....Steve Atwell....., (*full name*) declare that I am authorised on behalf of.....the City of Canning.... (being the person responsible for the proposal) to submit this form and further declare that the information contained in this form is true and not misleading.

Signature 	Name (print): Steve Atwell
Position: Acting Executive of Engineering and Technical Services	Company: City of Canning
Date 18 <sup>th</sup> December 2012	

## PART A - PROPONENT AND PROPOSAL INFORMATION

(All fields of Part A must be completed for this document to be treated as a referral)

### 1 PROPONENT AND PROPOSAL INFORMATION

#### 1.1 Proponent

Name	City of Canning
Joint Venture parties (if applicable)	NA
Australian Company Number (if applicable)	NA
Postal Address (where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State)	Locked Bag 80 Welshpool WA 6986
Key proponent contact for the proposal: <ul style="list-style-type: none"><li>• name</li><li>• address</li><li>• phone</li><li>• email</li></ul>	Terry Thompson 1317 Albany Highway, Cannington WA 6017 (08) 9231 0732 <a href="mailto:tthompson@canning.wa.gov.au">tthompson@canning.wa.gov.au</a>
Consultant for the proposal (if applicable): <ul style="list-style-type: none"><li>• name</li><li>• address</li><li>• phone</li><li>• email</li></ul>	NA

#### 1.2 Proposal

Title	Redevelopment of Queens Park Regional Open Space
Description	<p>Queens Park Regional Open Space (QPROS) is reserved under the MRS for Parks and Recreation and includes Bush Forever sites 424 and 283.</p> <p>The City intends to expand the sporting facilities at QPROS south of Welshpool Road. The proposal includes the installation of several playing fields, the construction of a sports club building and car parking. The redevelopment also aims to protect the environmental values of the site and construct a wetland using the principles of water sensitive urban design.</p> <p>The development proposal is outlined in Appendix A and K. The approximate area of the development area is 28 hectares.</p> <p>The proposed redevelopment consists of the following key characteristics:</p>

	<p><b><u>Installation of Playing Fields</u></b></p> <p>This will involve:</p> <ul style="list-style-type: none"> <li>• Installation of non artesian wells - license CAW 172417.</li> <li>• Decommissioning and filling of Maniana Park Water Compensation Basin (also identified as an EPP Lake)</li> <li>• Soil amendment and levelling</li> <li>• Installation of irrigation infrastructure</li> <li>• Irrigation using ground water extraction license GWL 157777</li> </ul> <p><b><u>Construction of Sports Club Building and Installation of Associated Infrastructures</u></b></p> <p>This will involve:</p> <ul style="list-style-type: none"> <li>• Installation of car parkings</li> <li>• Installation of park lighting and park furniture inclusive of, but not limited to, play facilities</li> <li>• Installation of shared use paths</li> <li>• Construction of a Sports Club Building</li> </ul> <p><b><u>Construction of Wetland</u></b></p> <p>This will involve:</p> <ul style="list-style-type: none"> <li>• The excavation, shaping and lining of the wetland.</li> <li>• Modifying local catchment drainage. The City of Canning has had preliminary discussion with the Water Corporation in respect of the parameters of drainage management.</li> <li>• Revegetation of wetland.</li> </ul> <p><b><u>Protection and Restoration of Remnant Vegetation</u></b></p> <p>This will involve:</p> <ul style="list-style-type: none"> <li>• Implement recommendations of Flora and Fauna Assessment for Queens Park Regional Open Space (Ecoscape 2010)</li> <li>• Rehabilitation of 9 hectares degraded to completely degraded land.</li> </ul>
<p>Extent (area) of proposed ground disturbance.</p>	<p>The approximate area of disturbance is as follows:</p> <ul style="list-style-type: none"> <li>• 8.8 hectares of additional playing fields.</li> <li>• 1.2 hectares of car park and building</li> <li>• 1.3 hectares of clearing of native vegetation</li> <li>• 1.7 hectares of Water Compensation Basin ( EPP Lake) to be filled</li> <li>• 2 hectares wetland to be constructed</li> </ul> <p>Total Area of disturbance is 15 hectares.</p>

Timeframe in which the activity or development is proposed to occur (including start and finish dates where applicable).	The redevelopment of the Queens Park Regional Open Space is to occur in accordance with the QPROS Development Plan (Appendix N) over a five year period from 2013 to 2018.
Details of any staging of the proposal.	In accordance with the QPROS Development Plan (Appendix N). The final resolution of the plan development, and it's consequent staging is being worked through, but it can be clearly stated that a priority is to protect the integrity and values of the Bush Forever site. Staging will be developed such that it minimises groundwater drawdown impact on the vegetation complexes.
Is the proposal a strategic proposal?	No
Is the proponent requesting a declaration that the proposal is a derived proposal? If so, provide the following information on the strategic assessment within which the referred proposal was identified: <ul style="list-style-type: none"> <li>• title of the strategic assessment; and</li> <li>• Ministerial Statement number.</li> </ul>	No.
Please indicate whether, and in what way, the proposal is related to other proposals in the region.	The development of sports complex, of the extent and nature shown on the plan, is considered necessary within the City of Canning to accommodate the needs of existing sports. Currently there is a shortage of sports facilities within the district and the region generally. Population within the area is to increase and planning sports facilities is perceived as being necessary.
Does the proponent own the land on which the proposal is to be established? If not, what other arrangements have been established to access the land?	The City of Canning leases the land from the Western Australian Planning Commission. The current lease expires on 30 <sup>th</sup> August 2016. It is the City's intention to continue to manage the site after 2016.

### 1.3 Location

Name of the Shire in which the proposal is located.	City of Canning
For urban areas: <ul style="list-style-type: none"> <li>• street address;</li> <li>• lot number;</li> <li>• suburb; and</li> <li>• nearest road intersection.</li> </ul>	Queens Park Regional Open Space is bounded by Whitlock Road, Wharf Street, Welshpool Road, Gibbs Street and Luyer Avenue in the suburbs of Queens Park and East Cannington.  The proposal includes Lots: <ul style="list-style-type: none"> <li>• L 581 Gibbs Street, East Cannington.</li> <li>• L 1534 Gibbs Street, East Cannington.</li> <li>• L 500 Welshpool Road East, Queens Park.</li> <li>• L 500 Welshpool Road, Queens Park.</li> <li>• L 3071 Whitlock Road, Queens Park.</li> <li>• L 22 Wharf Street, Queens Park.</li> </ul>

For remote localities: <ul style="list-style-type: none"> <li>• nearest town; and</li> <li>• distance and direction from that town to the proposal site.</li> </ul>	NA
Electronic copy of spatial data - GIS or CAD, geo-referenced and conforming to the following parameters: <ul style="list-style-type: none"> <li>• GIS: polygons representing all activities and named;</li> <li>• CAD: simple closed polygons representing all activities and named;</li> <li>• datum: GDA94;</li> <li>• projection: Geographic (latitude/longitude) or Map Grid of Australia (MGA);</li> <li>• format: Arcview shapefile, Arcinfo coverages, Microstation or AutoCAD.</li> </ul>	Enclosed NA Yes Yes AutoCAD

#### 1.4 Confidential Information

Does the proponent wish to request the EPA to allow any part of the referral information to be treated as confidential?	Appendix G
If yes, is confidential information attached as a separate document in hard copy?	Yes

#### 1.5 Government Approvals

Is rezoning of any land required before the proposal can be implemented? If yes, please provide details.		No	
Is approval required from any Commonwealth or State Government agency or Local Authority for any part of the proposal? If yes, please complete the table below.		Yes	
Agency/Authority	Approval required	Application lodged Yes / No	Agency/Local Authority contact(s) for proposal
Department of Environment and Conservation Native Vegetation Protection	Clearing Permit under Native Vegetation Clearing Regulations 2004 of the	Yes	Jane Clarkson Environment Officer <a href="mailto:Jane.Clarkson@dec.wa.gov.au">Jane.Clarkson@dec.wa.gov.au</a> (08) 9219 8707

Branch	Environmental Protection Act 1986		
Water Corporation	Approval to modify drain and compensation basin.	In negotiation	Scott Davie Senior Asset Management Planner <a href="mailto:Scott.Davie@watercorporation.com.au">Scott.Davie@watercorporation.com.au</a> (08) 9424 98497
Western Australian Planning Commission	Form 1 – Application for Approval to Commence Development	No	

## PART B - ENVIRONMENTAL IMPACTS AND PROPOSED MANAGEMENT

### 2. ENVIRONMENTAL IMPACTS

Describe the impacts of the proposal on the following elements of the environment, by answering the questions contained in Sections 2.1-2.11:

- 2.1 flora and vegetation;
- 2.2 fauna;
- 2.3 rivers, creeks, wetlands and estuaries;
- 2.4 significant areas and/ or land features;
- 2.5 coastal zone areas;
- 2.6 marine areas and biota;
- 2.7 water supply and drainage catchments;
- 2.8 pollution;
- 2.9 greenhouse gas emissions;
- 2.10 contamination; and
- 2.11 social surroundings.

These features should be shown on the site plan, where appropriate.

For all information, please indicate:

- (a) the source of the information; and
- (b) the currency of the information.

#### 2.1 Flora and Vegetation

2.1.1 Do you propose to clear any native flora and vegetation as a part of this proposal?

[A proposal to clear native vegetation may require a clearing permit under Part V of the EP Act (Environmental Protection (Clearing of Native Vegetation) Regulations 2004)]. Please contact the Department of Environment and Conservation (DEC) for more information.

- (please tick)     Yes            **If yes**, complete the rest of this section.  
 No                    **If no**, go to the next section

2.1.2 How much vegetation are you proposing to clear (in hectares)?

1.3 hectares

2.1.3 Have you submitted an application to clear native vegetation to the DEC (unless you are exempt from such a requirement)?

- Yes                     No            **If yes**, on what date and to which office was the application submitted of the DEC?

Application posted/submitted on 18<sup>th</sup> December 2012



2.1.4 Are you aware of any recent flora surveys carried out over the area to be disturbed by this proposal?

Yes

No

If yes, please attach a copy of any related survey reports and provide the date and name of persons / companies involved in the survey(s).

If no, please do not arrange to have any biological surveys conducted prior to consulting with the DEC.

Flora and Fauna Assessment for Queens Park Regional Open Space, Ecoscape (Australia) Pty Ltd 2010. Appendix B.

An ecological assessment to verify the 2010 vegetation community type and condition was conducted by Emerge Associates in May 2012. Queens Park Regional Open Space Ecohydrology Assessment, Emerge Associates 2012. Appendix E.

2.1.5 Has a search of DEC records for known occurrences of rare or priority flora or threatened ecological communities been conducted for the site?

Yes

No

If you are proposing to clear native vegetation for any part of your proposal, a search of DEC records of known occurrences of rare or priority flora and threatened ecological communities will be required. Please contact DEC for more information.

This information is included in Flora and Fauna Assessment for Queens Park Regional Open Space, Ecoscape (Australia) Pty Ltd 2010. Appendix B.

2.1.6 Are there any known occurrences of rare or priority flora or threatened ecological communities on the site?

Yes

No

If yes, please indicate which species or communities are involved and provide copies of any correspondence with DEC regarding these matters.

Species Name	State Listing	EPBC Listing
<i>Macarthuria keigheryi</i>	R	Endangered
<i>Conostylis bracteata</i>	P3	NA

Community ID	State Listing	EPBC Listing	Community Name
SCP 3b	Vulnerable	NA	<i>Corymbia calophylla</i> – <i>Eucalyptus marginata</i> woodlands on sandy clay soils of the Swan Coastal Plain
SCP 20a	Endangered	NA	<i>Banksia attenuata</i> woodland over species rich dense shrublands.

2.1.7 If located within the Perth Metropolitan Region, is the proposed development within or adjacent to a listed Bush Forever Site? (You will need to contact the Bush Forever Office, at the Department for Planning and Infrastructure)

Yes       No      **If yes**, please indicate which Bush Forever Site is affected (site number and name of site where appropriate).

Within Queens Park Regional Open Space, Queens Park	Bush Forever	283
Adjacent McDowell Street Bushplan, Welshpool	Bush Forever	424

2.1.8 What is the condition of the vegetation at the site?

A map of the vegetation condition 2012 is shown in APPENDIX G figure 7. The condition ranges from Completely Degraded to Excellent.

## 2.2 Fauna

2.2.1 Do you expect that any fauna or fauna habitat will be impacted by the proposal?

(please tick)       Yes      **If yes**, complete the rest of this section.  
 No      **If no**, go to the next section.

2.2.2 Describe the nature and extent of the expected impact.

The proposed area of vegetation to be cleared is small and the vegetation proposed for clearing is in a completely degraded or degraded condition, with the exception of a section of vegetation in good condition. The total clearing area is 1.3 hectares and will have minimum impact on fauna and fauna habitat.

As part of the redevelopment the City intend to restore 9 hectares of land in currently in a degraded to completely degraded condition resulting in an increased net area of habitat for fauna. The wetland construction and wetland restoration will enhance the biodiversity and habitat value of the site for all fauna species.

No significant fauna species have been observed at the Maniana Park Compensation Basin (EPP Lake). The vegetation condition of the Compensation Basin has been assessed as Degraded to Completely Degraded. The City will relocate wetland species, if observed, during the construction phase of the project.

In the development area 0.5 hectares of vegetation including 8 of the trees that will be removed (*Eucalyptus marginata*, *Corymbia calophylla* and *Eucalyptus rudis*) is listed as common foraging habitat for the Carnaby's (*Calyptorhynchus latirostris*) and Forest Red Tailed Black Cockatoo (*Calyptorhynchus banksii naso*). An assessment using the EPBC Act Referral Guidelines for Three Threatened Black Cockatoo Species, Australian Government 2012 demonstrates that the clearing area is at low risk of significant impact to the two Black Cockatoo species.

An assessment using the Matters of National Environmental Significance Significant Impact Guidelines, Australian Government 2009 demonstrates the clearing area will not have a significant impact on the migratory Rainbow Bee Eater (*Merops ornatus*).

2.2.3 Are you aware of any recent fauna surveys carried out over the area to be disturbed by this proposal?

- Yes       No      **If yes**, please attach a copy of any related survey reports and provide the date and name of persons / companies involved in the survey(s).  
**If no**, please do not arrange to have any biological surveys conducted prior to consulting with the DEC.

Flora and Fauna Assessment for Queens Park Regional Open Space, Ecoscape (Australia) Pty Ltd 2010. Appendix B.

2.2.4 Has a search of DEC records for known occurrences of Specially Protected (threatened) fauna been conducted for the site?

- Yes       No      (please tick)

This information is included in Flora and Fauna Assessment for Queens Park Regional Open Space, Ecoscape (Australia) Pty Ltd 2010. Appendix B.

2.2.5 Are there any known occurrences of Specially Protected (threatened) fauna on the site?

- Yes       No      **If yes**, please indicate which species or communities are involved and provide copies of any correspondence with DEC regarding these matters.

Species Name	State Listing	EPBC Listing
<i>Calyptorhynchus latirostris</i>	S1	Endangered
<i>Calyptorhynchus banksii naso</i>	S1	Vulnerable
<i>Merops ornatus</i>	NA	Migratory

## 2.3 Rivers, Creeks, Wetlands and Estuaries

2.3.1 Will the development occur within 200 metres of a river, creek, wetland or estuary?

- (please tick)       Yes      **If yes**, complete the rest of this section.  
 No      **If no**, go to the next section.

2.3.2 Will the development result in the clearing of vegetation within the 200 metre zone?

- Yes       No      **If yes**, please describe the extent of the expected impact.

Two Resource Enhanced (RE) wetlands occur on the site, UFI 15819 and UFI 15817. With the exception of several isolated plants in the parkland area, no vegetation is proposed for clearing within 200m of UFI 15819. This clearing will not impact the ecological or hydrological function of the

Dampland. The clearing of Maniana Park Compensation Basin is within 200 m of UFI 15817, however this clearing will not impact the Dampland.

The clearing area consists of removing 0.13 hectare of native vegetation from the Maniana Park Compensation Basin which is also listed as wetland under the Environmental Protection (Swan Coastal Plain Lakes) Policy 1992. The Compensation Basin is classified under the Geomorphic Wetlands of the Swan Coastal Plain as Multiple Use (MU) Dampland UFI 7490.

The Multiple Use (MU) wetland management category is provided to wetlands that no longer have ecological function however may maintain hydrological function. 15 cycads, 8 shrubs and 14 trees in the parkland cleared area are proposed for clearing within 200 m of Multiple Use (MU) Dampland UFI 7490. This will not impact the ecological or hydrological function of the Dampland.

Appendix E, Queens Park Regional Open Space Ecohydrology Assessment has identified that the increased drawdown from the proposed irrigation regime has the potential to impact vegetation in Resource Enhanced (RE) wetlands UFI 15819 and UFI 18817. The report also recommends a irrigation regime that will incur changes in water depth, within acceptable limits, to minimise impacts to the vegetation. This involves the strategic placement of additional bores, no further extraction from the existing Day Care bore, a specified flow rate and staging of the development proposal.

The Ecohydrology Assessment indicated that, within a range of parameters, groundwater bores can be developed in the location without impacting adversely on the Bush Forever sites. The City of Canning now seeks to examine, within those parameters, the most efficient way to develop and manage irrigation infrastructure for Queens Park Regional Open Space. Figure 10 in Appendix E shows the circle of influence of draw down to the proposed bore locations.

2.3.3 Will the development result in the filling or excavation of a river, creek, wetland or estuary?

Yes       No      **If yes, please describe the extent of the expected impact.**

The proposal involves the decommissioning and filling of the Maniana Park Compensation Basin which is also listed as wetland under the Environmental Protection (Swan Coastal Plain Lakes) Policy 1992. The Compensation Basin will be filled with clean fill.

The development includes the construction of a larger wetland to function as a compensation basin and also designed for biofiltration and habitat. A Surface Water Investigation (Appendix H) discusses the construction requirements for the new wetland. Its depth will be from 0.6 m – 2m and it will be lined to reduce infiltration into the superficial aquifer. Its capacity will be approximately 75 ML. This will adequately compensate the replacement of the Maniana Park Compensation Basin.

An Acid Sulphate Soil Investigation Report for Queens Park Regional Open Space (Appendix I) indicates the presence of Acid Sulphate Soils in the area of the proposed compensating basin. The filling and excavation of the Compensating Basins will be managed in accordance with a Department of Environment and Conservation approved management plan.

2.3.4 Will the development result in the impoundment of a river, creek, wetland or estuary?

Yes       No      **If yes, please describe the extent of the expected impact.**

2.3.5 Will the development result in draining to a river, creek, wetland or estuary?

Yes       No      **If yes, please describe the extent of the expected impact.**

2.3.6 Are you aware if the proposal will impact on a river, creek, wetland or estuary (or its buffer) within one of the following categories? (please tick)

Conservation Category Wetland	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unsure
Environmental Protection (South West Agricultural Zone Wetlands) Policy 1998	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unsure
Perth's Bush Forever site	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Unsure
Environmental Protection (Swan & Canning Rivers) Policy 1998	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unsure
The management area as defined in s4(1) of the <i>Swan River Trust Act 1988</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unsure
Which is subject to an international agreement, because of the importance of the wetland for waterbirds and waterbird habitats (e.g. Ramsar, JAMBA, CAMBA)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unsure

## 2.4 Significant Areas and/ or Land Features

2.4.1 Is the proposed development located within or adjacent to an existing or proposed National Park or Nature Reserve?

Yes       No      **If yes, please provide details.**

2.4.2 Are you aware of any Environmentally Sensitive Areas (as declared by the Minister under section 51B of the EP Act) that will be impacted by the proposed development?

Yes       No      **If yes, please provide details.**

The proposed development site is classified as an Environmental Significant Area.

2.4.3 Are you aware of any significant natural land features (e.g. caves, ranges etc) that will be impacted by the proposed development?

Yes       No      **If yes, please provide details.**

## 2.5 Coastal Zone Areas (Coastal Dunes and Beaches)

2.5.1 Will the development occur within 300metres of a coastal area?

(please tick)       Yes      **If yes, complete the rest of this section.**  
 No      **If no, go to the next section.**

2.5.2 What is the expected setback of the development from the high tide level and from the primary dune?

N/A

2.5.3 Will the development impact on coastal areas with significant landforms including beach ridge plain, cusped headland, coastal dunes or karst?

Yes                       No                      **If yes**, please describe the extent of the expected impact.

2.5.4 Is the development likely to impact on mangroves?

Yes                       No                      **If yes**, please describe the extent of the expected impact.

## 2.6 Marine Areas and Biota

2.6.1 Is the development likely to impact on an area of sensitive benthic communities, such as seagrasses, coral reefs or mangroves?

Yes                       No                      **If yes**, please describe the extent of the expected impact.

2.6.2 Is the development likely to impact on marine conservation reserves or areas recommended for reservation (as described in *A Representative Marine Reserve System for Western Australia*, CALM, 1994)?

Yes                       No                      **If yes**, please describe the extent of the expected impact.

2.6.3 Is the development likely to impact on marine areas used extensively for recreation or for commercial fishing activities?

Yes                       No                      **If yes**, please describe the extent of the expected impact, and provide any written advice from relevant agencies (e.g. Fisheries WA).

## 2.7 Water Supply and Drainage Catchments

2.7.1 Are you in a proclaimed or proposed groundwater or surface water protection area?

(You may need to contact the Department of Water (DoW) for more information on the requirements for your location, including the requirement for licences for water abstraction. Also, refer to the DoW website)

Yes                       No                      **If yes**, please describe what category of area.

2.7.2 Are you in an existing or proposed Underground Water Supply and Pollution Control area?

(You may need to contact the DoW for more information on the requirements for your location, including the requirement for licences for water abstraction. Also, refer to the DoW website)

Yes       No      **If yes**, please describe what category of area.

2.7.3 Are you in a Public Drinking Water Supply Area (PDWSA)?

(You may need to contact the DoW for more information or refer to the DoW website. A proposal to clear vegetation within a PDWSA requires approval from DoW.)

Yes       No      **If yes**, please describe what category of area.

2.7.4 Is there sufficient water available for the proposal?

(Please consult with the DoW as to whether approvals are required to source water as you propose. Where necessary, please provide a letter of intent from the DoW)

The City has a licence to take water under section 5C of the Rights in Water and Irrigation Act 1914 GWL 157777 Appendix D. This license allows for 69,000 KL per annum.

Yes       No      (please tick)

2.7.5 Will the proposal require drainage of the land?

Yes       No      **If yes**, how is the site to be drained and will the drainage be connected to an existing Local Authority or Water Corporation drainage system? Please provide details.

Currently the Maniana Park Compensation Basin has a catchment of approximately 80 hectares including the surrounding residential and industrial area and the public open space. The water drains into the City of Canning Local Authority drainage system before entering the Water Corporation Maniana Park Compensating Basin. Currently two open drains and one piped drain exist on site. Stormwater overflows outflow from the Compensating Basin into the Gerard Street Branch Drain before eventually entering the Canning River.

The proposed development will fill the Compensating Basin and construct a wetland approximately 200m north. The new wetland will provide sufficient compensation capacity for the catchment. The proposal does not intend to modify catchment drainage other than the site of the new Compensating Basin and the replacement of the two open drains with piped drains that will drain water into the new wetland.

2.7.6 Is there a water requirement for the construction and/ or operation of this proposal?

(please tick)       Yes      **If yes**, complete the rest of this section.  
 No      **If no**, go to the next section.

2.7.7 What is the water requirement for the construction and operation of this proposal, in kilolitres per year?

The approximate water usage for the irrigation of playing fields will be 7500KL per hectare per annum. 8.8 hectares are proposed for the additional playing fields, therefore the estimated increase in total water use is 66,000 KL per annum.

2.7.8 What is the proposed source of water for the proposal? (e.g. dam, bore, surface water etc.)

The water source is to include groundwater and surface water held in the Compensation Basin.

The area will be irrigated using an existing non – artesian bore on Lot 3071 Whitlock Road, Queens Park and a further non – artesian bore is to be installed on Lot 500 Welshpool Road, Queens Park. City has a licence to install a non – artesian bore on Lot 500 Welshpool Road, Queens Park. (CAW 172417).

The City has a licence to take water under section 5C of the Rights in Water and Irrigation Act 1914 GWL 157777 Appendix D. This licence agreement allows for the proposed increase in ground water extraction.

Appendix H, Surface Water Investigation Report for Queens Park Regional Open Space indicates that 33% of the water requirements for irrigation can be met from the constructed Compensation Basin / Wetland.

**2.8 Pollution**

2.8.1 Is there likely to be any discharge of pollutants from this development, such as noise, vibration, gaseous emissions, dust, liquid effluent, solid waste or other pollutants?

(please tick)       Yes      **If yes**, complete the rest of this section.  
                                  No      **If no**, go to the next section.

2.8.2 Is the proposal a prescribed premise, under the Environmental Protection Regulations 1987?

(Refer to the EPA's *General Guide for Referral of Proposals to the EPA under section 38(1) of the EP Act 1986* for more information)

Yes       No      **If yes**, please describe what category of prescribed premise.

2.8.3 Will the proposal result in gaseous emissions to air?

Yes       No      **If yes**, please briefly describe.

2.8.4 Have you done any modelling or analysis to demonstrate that air quality standards will be met, including consideration of cumulative impacts from other emission sources?

Yes       No      **If yes**, please briefly describe.



2.8.5 Will the proposal result in liquid effluent discharge?

Yes

No

**If yes**, please briefly describe the nature, concentrations and receiving environment.

2.8.6 If there is likely to be discharges to a watercourse or marine environment, has any analysis been done to demonstrate that the State Water Quality Management Strategy or other appropriate standards will be able to be met?

Yes

No

**If yes**, please describe.

2.8.7 Will the proposal produce or result in solid wastes?

Yes

No

**If yes**, please briefly describe the nature, concentrations and disposal location/ method.

2.8.8 Will the proposal result in significant off-site noise emissions?

Yes

No

**If yes**, please briefly describe.

2.8.9 Will the development be subject to the Environmental Protection (Noise) Regulations 1997?

Yes

No

**If yes**, has any analysis been carried out to demonstrate that the proposal will comply with the Regulations?

Please attach the analysis.

2.8.10 Does the proposal have the potential to generate off-site, air quality impacts, dust, odour or another pollutant that may affect the amenity of residents and other "sensitive premises" such as schools and hospitals (proposals in this category may include intensive agriculture, aquaculture, marinas, mines and quarries etc.)?

Yes

No

**If yes**, please describe and provide the distance to residences and other "sensitive premises".

2.8.11 If the proposal has a residential component or involves "sensitive premises", is it located near a land use that may discharge a pollutant?

Yes

No

Not Applicable

**If yes**, please describe and provide the distance to the potential pollution source

## 2.9 Greenhouse Gas Emissions

2.9.1 Is this proposal likely to result in substantial greenhouse gas emissions (greater than 100 000 tonnes per annum of carbon dioxide equivalent emissions)?

Yes

No

**If yes**, please provide an estimate of the annual gross emissions in absolute and in carbon dioxide equivalent figures.

2.9.2 Further, if yes, please describe proposed measures to minimise emissions, and any sink enhancement actions proposed to offset emissions.

## 2.10 Contamination

2.10.1 Has the property on which the proposal is to be located been used in the past for activities which may have caused soil or groundwater contamination?

Yes

No

Unsure

**If yes**, please describe.

2.10.2 Has any assessment been done for soil or groundwater contamination on the site?

Yes

No

**If yes**, please describe.

APPENDIX F Report for Mapping of Existing Soil and Groundwater Conditions Queens Park, GHD 2010.

2.10.3 Has the site been registered as a contaminated site under the *Contaminated Sites Act 2003*? (on finalisation of the CS Regulations and proclamation of the CS Act)

Yes

No

**If yes**, please describe.

The north west corner of Lot 500, Welshpool Road, Queens Park is listed in the Category of Affected Site classification as Possibly contaminated – investigation required. The source site of contamination is to the north of site on Lot 803 and 804 Welshpool Road.

APPENDIX F Report for Mapping of Existing Soil and Groundwater Conditions Queens Park, GHD 2010 investigated soil and ground water conditions in the north west portion of Lot 500 Welshpool Road. The investigation found that the concentrations of heavy metals copper and zinc exceeded freshwater criteria in a number of on site wells, however do not exceed the Long Term Irrigation Guidelines of the Australia and New Zealand Environment and Conservation Council (ANZECC) 2010. Concentrations of all other analytes tested were within acceptable levels.

## 2.11 Social Surroundings

2.11.1 Is the proposal on a property which contains or is near a site of Aboriginal ethnographic or archaeological significance that may be disturbed?

Yes

No

Unsure

**If yes**, please describe.

A search of the Department of Indigenous Affairs (DIA) November 2012 shows no registered Aboriginal Sites and other Heritage Places.

An Aboriginal Heritage Investigation, Survey for Archaeological and Ethnographic Sites in the Queens Park Recreational Open Space, Welshpool Road, October 1999 APPENDIX G (confidential) found no archaeological or ethnographic sites located in the project area.

2.11.2 Is the proposal on a property which contains or is near a site of high public interest (e.g. a major recreation area or natural scenic feature)?

Yes       No      **If yes, please describe.**

The site includes a large portion of remnant bushland identified as Bush Forever.

2.11.3 Will the proposal result in or require substantial transport of goods, which may affect the amenity of the local area?

Yes       No      **If yes, please describe.**

### 3. PROPOSED MANAGEMENT

#### 3.1 Principles of Environmental Protection

3.1.1 Have you considered how your project gives attention to the following Principles, as set out in section 4A of the EP Act? (For information on the Principles of Environmental Protection, please see EPA Position Statement No. 7, available on the EPA website)

- |  |   |                             |
|--|---|-----------------------------|
| 1. The precautionary principle.  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2. The principle of intergenerational equity.  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 3. The principle of the conservation of biological diversity and ecological integrity. | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 4. Principles relating to improved valuation, pricing and incentive mechanisms.        | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5. The principle of waste minimisation.  | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

3.1.2 Is the proposal consistent with the EPA's Environmental Protection Bulletins/Position Statements and Environmental Assessment Guidelines/Guidance Statements (available on the EPA website)?

Yes       No

#### 3.2 Consultation

3.2.1 Has public consultation taken place (such as with other government agencies, community groups or neighbours), or is it intended that consultation shall take place?

Yes       No      **If yes, please list those consulted and attach comments or summarise response on a separate sheet.**

The City of Canning listed a draft concept plan for the redevelopment of Queens Park Regional Open Space for public comment in December 2006. The following groups submitted comment:

- Maamba Aboriginal Corporation
- Friends of Queens Park Bushland
- South East Metropolitan Softball Association
- Various individuals

Since 2006 the City has also met with the following organisations to discuss the proposed development:

- New Chile Social Club
- Queens Park Junior Football
- Canning United Football Club
- South East Regional Centre for Urban Landcare

The City of Canning will seek further public comment on the development proposal for Queens Park Regional Open Space when environmental and development approvals are finalised.

The Development Plan for the Queens Park Regional Open Space (Appendix N) for the 10 years ending 30<sup>th</sup> June 2018, was adopted by Council (Appendix O) in February 2009. The adopted plan outlines in principle the intent to develop the site as a community sports complex and area for environmental conservation. As indicated above, the plan was informed by a comprehensive community engagement programme.

The preparation of studies and the preparation of plans to reflect the in principle combined sports and environmental development have been and will continue to be ongoing, in order that the optimum use can be made of the site for the broad community whilst protecting its inherent environmental and cultural values.