

INSTRUCTIONS FOR ENVIRONMENTAL REVIEW

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| Proposed scheme amendments: | City of Gosnells Town Planning Scheme 6 Amendments 166 and 169 |
| Responsible Authority: | City of Gosnells |
| Assessment numbers: | 2176 and 2177 |
| Location: | Amendment 166 - Land generally bounded by Brook, Coldwell and Grove and Welshpool Roads, Kenwick Amendment 169 - Land generally bounded by Brook, Boundary, Bickley, and Victoria Roads and Tonkin Highway, Kenwick |
| Public review period: | Environmental Review Document – Timing and procedure in accordance with the <i>Planning and Development Act 2005</i> sections 84 and 87(1) |

Environmental Review Instructions (instructions) are provided to the Responsible Authority (RA) to define the scope and content of the Environmental Review (ER) required by s.48C(1)(a) of the *Environmental Protection Act 1986* (EP Act). These instructions have been prepared by the Environmental Protection Authority (EPA) in consultation with interested agencies.

These instructions are available on the EPA website (www.epa.wa.gov.au).

1. Introduction

Context

The EPA has determined that the above proposed amendments to the City of Gosnells Town Planning Scheme are to be assessed under Part IV of the EP Act. These scheme amendments are being assessed because the implementation of these schemes through future subdivision, development and provision of infrastructure could have significant environmental effects on key environmental factors.

The amendment areas and the adjacent land contain a number of environmental values, including:

- Poorly represented vegetation complexes;
- Threatened Ecological Communities (TECs) listed as Critically Endangered, Endangered and Vulnerable on lists endorsed by the WA Minister for Environment and Critically Endangered and Endangered under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act);
- Threatened flora listed as Critically Endangered, Endangered and Vulnerable under the *Wildlife Conservation Act 1950* (WC Act); Greater Brixton Street Wetlands; a wetland system of state and national significance on land adjacent to both scheme amendment areas;
- Wetlands within the amendment areas;

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- Habitat for threatened species of fauna; and
 - Yule Brook; a waterway with known heritage, environmental and drainage significance.

Critical to these values is understanding the complex total water of the area and managing the water balance and water quality of the site post development.

The preliminary key environmental factors related to these environmental values which need to be addressed in the ER are identified in Section 3.

Procedure

The EPA requires the responsible authority to undertake the ER according to these instructions.

Next step in the assessment process

The next step in the assessment process is the release of the ER. When the EPA is satisfied that the ER document has been prepared in accordance with the instructions, the RA can proceed to advertise the ER and proposed scheme amendments and release the ER and scheme reports for a public review period as prescribed by the *Planning and Development Act 2005* sections **84** and **87(1)**.

To facilitate adequate public input, the ER document should be made available as widely as possible and at a reasonable cost. The advertising period and process for the scheme amendments and the ER are to be done in accordance with the *Planning and Development Act (2005)*.

Appendix 1 of this document describes in detail the process for assessment of planning schemes.

Scope and Content of instructions

The scope and content of the ER is outlined in sections 2 to 5 of these instructions. The EPA requires that the attached ER document template be used to complete the report on the environmental review required under s. **48C(1)(a)** of the EP Act.

Timing

Table 1 sets out the timeline for the assessment of the scheme amendment.

Table 1 Assessment timeline

| Key assessment milestones |
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| EPA issues instructions to the responsible authority (60 days after referral) |
| Responsible authority submits Environmental Review to EPA |
| EPA authorises advertising of Environmental Review and scheme for public review (30 days from RA submission of ERD) |
| Responsible authority advertises scheme amendments and Environmental Review for public review in accordance with the <i>Planning and Development Act 2005 sections 84 and 87(1)</i> . The EPA has recommended advertising for 90 days. |
| Close of public review period |
| Responsible authority provides to the EPA copies of submissions regarding environmental issues (7 days from close of public review period) |
| Responsible authority provides Response to Submissions to EPA (42 days from close of public review period) |
| EPA reports to the Environment Minister on environmental factors and recommended scheme conditions (60 days after end of public review period or 30 days after receiving RA's Response to Submissions, whichever is longer, but no more than 72 days from the end of the public review period.) |

Assessment by the Commonwealth

The EPA notes that these scheme amendments, if approved, could allow future proposals (subdivisions, development and provision of infrastructure) that may be considered controlled actions under the EPBC Act depending on whether Matters of National Environmental Significance (MNES) are adequately protected by the finalised scheme amendments. In general, planning schemes are not considered ‘actions’ under the EPBC Act (s523) and not subject to assessment by the Commonwealth.

Importantly, the RA should take into account Commonwealth advice and guidance documents in relation to the relevant MNES.

2. The scheme amendment

The subject of these instructions is the City of Gosnells Town Planning Scheme 6 Amendments 166 and 169. Amendment 166 seeks to rezone approximately 66.9 hectares (ha) from General Rural to Business Development. Amendment 169 seeks to rezone approximately 188 ha from General Rural to Business Development.

Amendments 166 and 169 are Precincts of the Maddington Kenwick Strategic Employment Area (MKSEA) – Amendment 166 is Precinct 3B and Amendment 169 is Precinct 2. The MKSEA

is bound by Bickley Road, Tonkin Highway, Roe Highway and the Greater Brixton Street Wetlands. Figure 1 shows the *2015 Indicative Structure Plan* for the MKSEA, and Figure 2 shows the Precincts of the MKSEA.

The locations of the scheme amendments, including existing and proposed zoning, are shown in Figures 3 and 4, and a summary of the scheme amendments are set out in Table 2.

Table 2 Summary of the scheme amendment

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| Scheme amendment title | Amendment 166 |
| Responsible authority name | City of Gosnells |
| Location | Land generally bounded by Brook, Coldwell and Grove and Welshpool Roads, Kenwick |
| Short description | Amendment 166 seeks to rezone approximately 66.9 ha of land comprised of a total of 16 individual parcels of land from General Rural to Business Development. The site contains the Yule Brook Main Drain and is directly adjacent to the Brixton Street wetland complex. |
| Scheme amendment title | Amendment 169 |
| Responsible authority name | City of Gosnells |
| Location | Land generally bounded by Brook, Boundary, Bickley, and Victoria Roads and Tonkin Highway, Kenwick |
| Short description | Amendment 169 seeks to rezone approximately 188 ha of land comprising a total of 71 individual parcels of land from General Rural to Business Development. The site is also directly adjacent to the Greater Brixton Street wetland complex. |
| Zoning description | The Business Development zoning provides for the progressive and planned development of areas for commercial and industrial uses generally in accordance with a Structure Plan. Following rezoning, the Town Planning Scheme requires that a detailed structure plan be prepared which outlines more specific zoning and reservation of the land, details of key infrastructure (roads and drainage requirements) and specific subdivision and development requirements. Consequently, the subject land maybe the subject of a future amendment. |

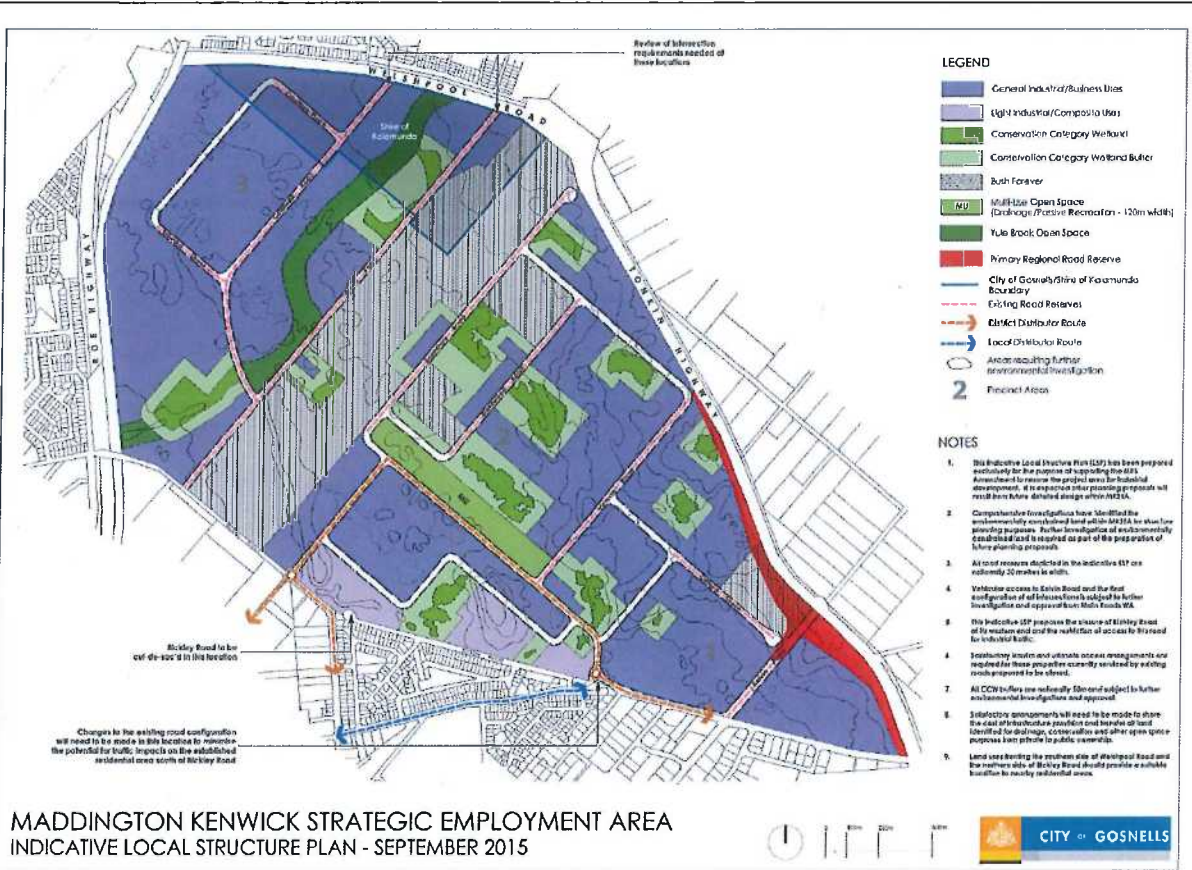


Figure 1: 2015 Indicative Structure Plan (Source: City of Gosnells)

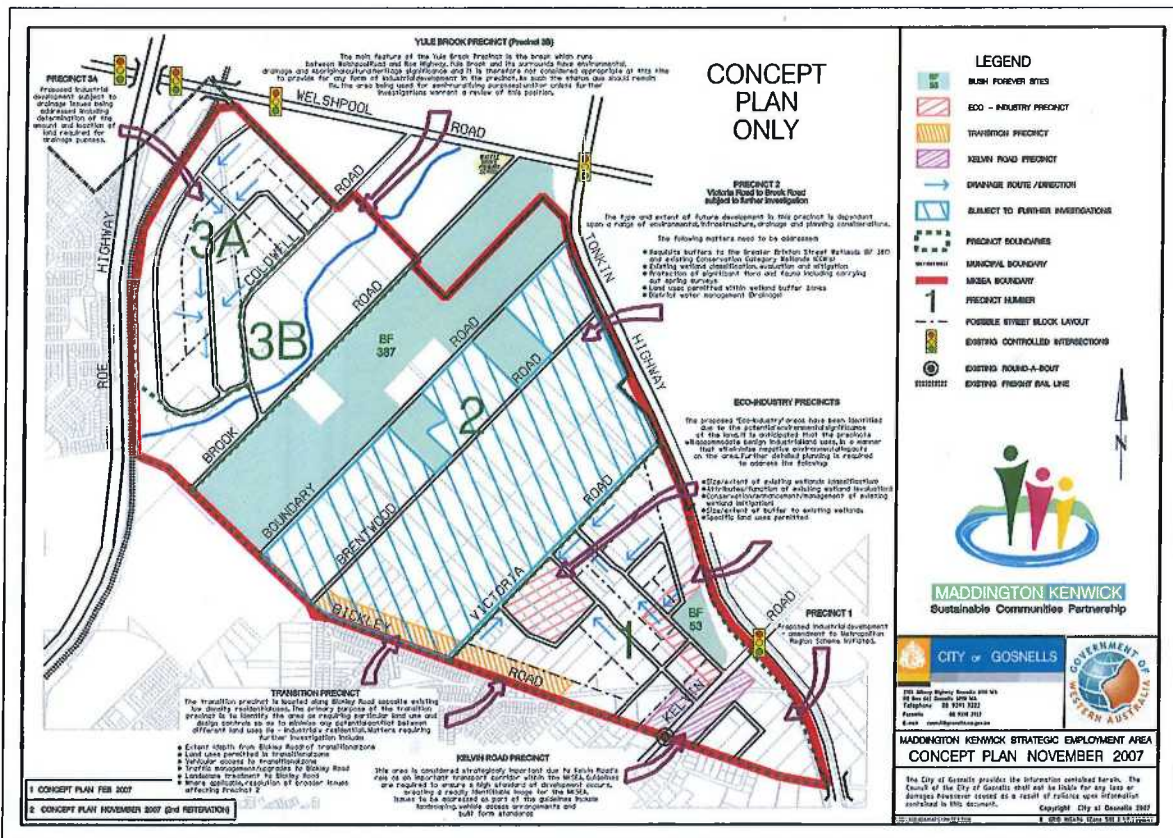
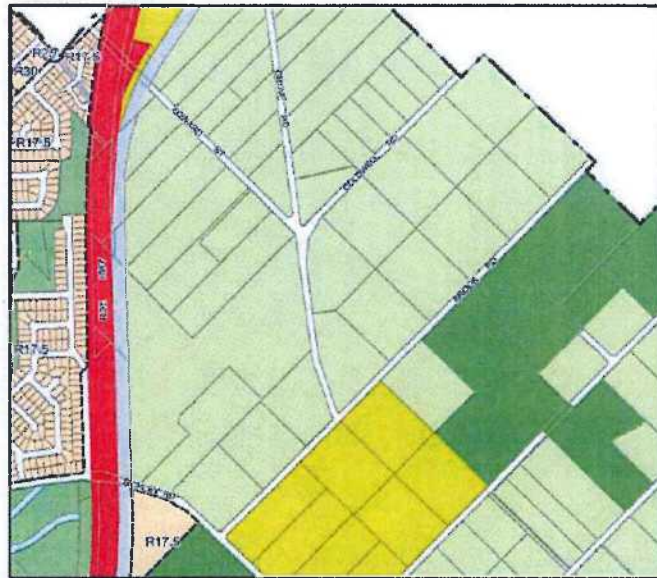


Figure 2: 2015 Concept Plan showing Precinct within the MKSEA (Source: City of Gosnells). NOTE: Boundary of 3B in concept plan is slightly different from Amendment 166

CITY OF GOSNELLS
 TOWN PLANNING SCHEME NO. 6
 AMENDMENT NO. 166



EXISTING ZONING



SCHEME (AMENDMENT) MAP

LEGEND

ZONES

-  BUSINESS DEVELOPMENT
-  GENERAL RURAL
-  RESIDENTIAL

CODES

-  R - CODES

RESERVES

LOCAL RESERVES

-  LOCAL OPEN SPACE

METROPOLITAN REGION SCHEME RESERVES

-  PRIMARY REGIONAL ROAD
-  PUBLIC PURPOSES
-  PARKS AND RECREATION
-  RAILWAYS



Scale: 1:12,500

Figure 3: Existing and proposed zoning for Amendment 166 land (Source: City of Gosnells)

CITY OF GOSNELLS
 TOWN PLANNING SCHEME NO. 6
 AMENDMENT NO. 169

MADDINGTON KENWICK STRATEGIC EMPLOYMENT AREA PRECINCT 2

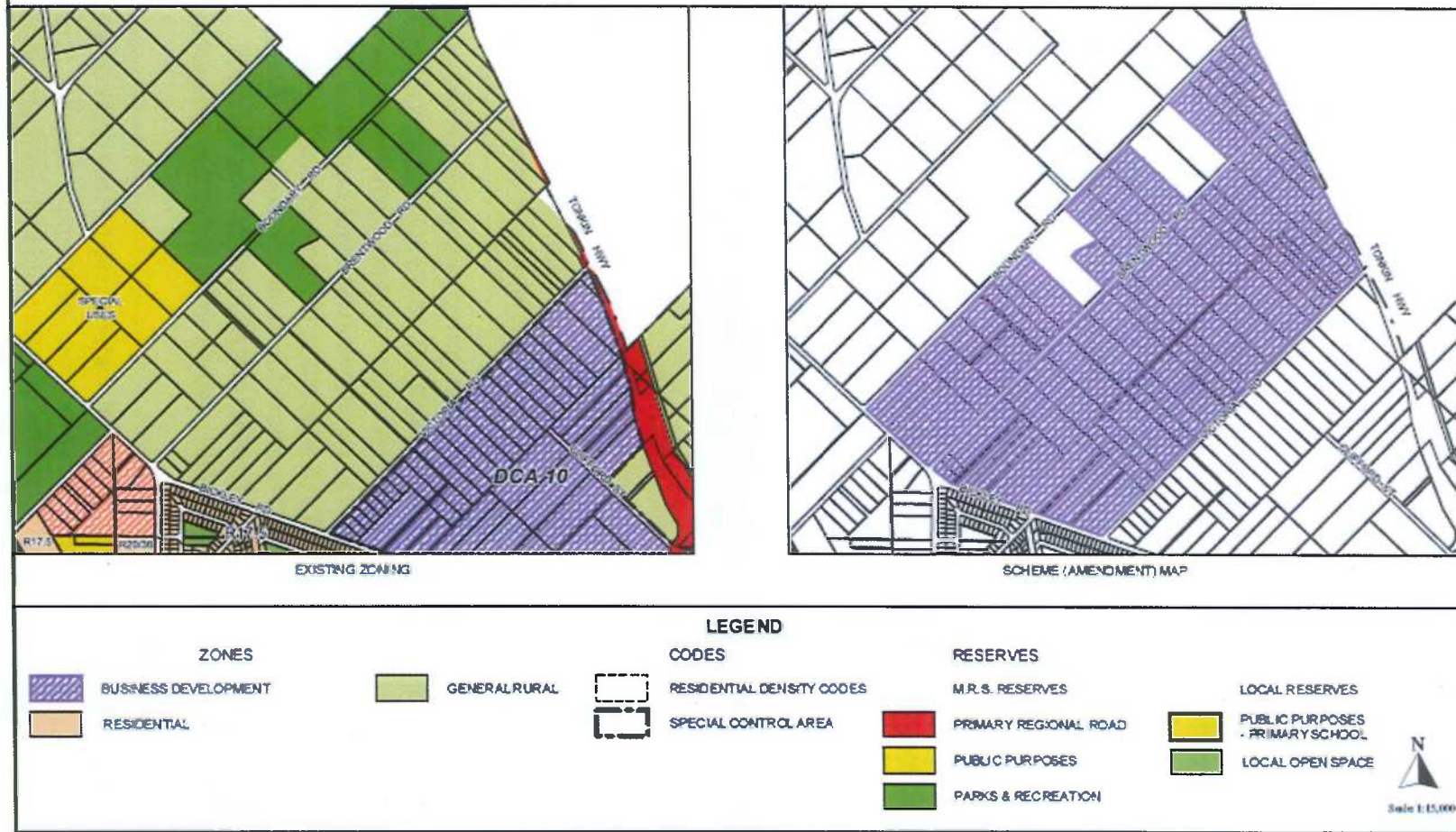


Figure 4: Existing and proposed zoning for Amendment 169 land (Source: City of Gosnells)

3. Preliminary key environmental factors and required work

The preliminary key environmental factors for the environmental review are:

1. Inland Waters;
2. Flora and Vegetation;
3. Terrestrial Fauna; and
4. Social Surroundings.

Table 3 outlines the work required for each preliminary key environmental factor and contains the following elements for each factor:

- **EPA factor and EPA objective** for that factor.
- **Relevant activities** – the development activities that may have a significant impact on that factor.
- **Potential impacts and risks** to that factor.
- **Required work** for that factor.
- **Relevant policy and guidance** – EPA (and other) guidance and policy relevant to the assessment.

Table 3 Preliminary key environmental factors and required work

| Inland Waters | |
|------------------------------------|---|
| EPA objective | To maintain the hydrological regimes and quality of groundwater and surface water so that environmental values are protected. |
| Relevant activities | <ul style="list-style-type: none"> • Clearing of vegetation and alteration of natural drainage regimes for future development and associated infrastructure. |
| Potential impacts and risks | <ul style="list-style-type: none"> • Impacts to current surface and ground water cycles (alteration of hydrological regimes) resulting in impacts to significant wetlands and waterways within and adjacent to the amendments areas. • Impacts to water quality of significant wetlands and waterways within and adjacent to the amendments areas. • Loss of foreshore functions and wetland dependent vegetation and impacts to other water dependent ecosystems. • Risk to public safety from Yule Brook overflows during major storm events. |
| Required Work | <ol style="list-style-type: none"> 1. Describe the total water cycle for the Yule Brook Catchment, with particular focus on the Maddington Kenwick Strategic Employment Area. Discuss the hydrology and hydrogeology, particularly as it relates to wetland and ecological diversity within and adjacent to the amendments areas. Include information and discussion on the water |

budget for the area, the existing drainage management practices and any known impacts on the wetlands and waterways in, and adjacent to the amendments areas.

2. Identify and assess the values and significance of hydrological and soil characteristics within the amendment area and immediate adjacent area (i.e. Greater Brixton Street Wetland Complex) and describe these values in a local and regional context.
3. Identify and map wetlands and watercourses within and adjacent to the amendment areas.
4. Using a pre and post development water balance model, describe and assess the potential impacts (direct and indirect) as a result of future development and associated infrastructure including any drainage, dewatering/use of fill/impervious surfaces/ waste water, on water quantity and quality of surface and ground waters in relation significant wetlands and waterways.
5. Predict the extent, severity and duration of potential impacts, including changes to local and regional groundwater flows and levels, drawdown, local water quality and impacts to other groundwater users as a result of future development including infrastructure and provide measures to mitigate these impacts.
6. Identify and map wetlands and waterways proposed to be retained for conservation purposes within and adjacent to the amendments areas.
7. Identify and map wetland areas and waterways proposed to be impacted by future development including associated infrastructure (drainage management) within and adjacent to the amendment areas.
8. Determine the boundaries of wetlands and buffer requirements to significant wetlands and watercourses within and adjacent to amendment areas. Boundary and buffer studies should consider the characteristics of hydrology, hydric soils and wetland vegetation, and the water balance of the wetland/wetland dependent vegetation.
9. Prepare a foreshore area report including a map and identify the environmental and water management requirements over Yule Brook, to determine and depict the extent of the waterway foreshore areas to be protected, in accordance with Operational Policy 4.3: *Identifying and establishing waterways foreshore areas* (DoW, 2012). Include the width of any future Multiple Use Corridor.
10. Describe how the principles of water sensitive urban design will be incorporated and implemented in the amendments areas, consistent with the *Better Urban Water Management* framework (WAPC, 2008)
11. Detail and discuss how future drainage practices and waste water management within the site, is to be managed, considering the broader catchment. This management should ensure the hydrological balance and water quality of significant wetlands and watercourses within and

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| | <p>adjacent to the amendment areas (such as the Greater Brixton Street Wetlands and Yule Brook) will be maintained.</p> <ol style="list-style-type: none"> 12. Describe how drainage management practices could be adapted in the future to mitigate impacts of climate change on significant wetlands and waterways, within and adjacent to the amendment areas. 13. Detail and discuss how development activities will not mobilise potentially poor quality groundwater resulting from past agricultural land uses. 14. Describe the planning or other mechanisms that will ensure drainage and waste water management will protect significant wetlands and watercourses within and adjacent to the amendment areas. 15. Describe the ongoing management requirements for the amendment areas to ensure the hydrology of the Greater Brixton Street Wetlands is maintained. 16. Detail how major storm events in Yule Brook will be managed in the future. 17. Based on the outcomes of the above and taking into consideration the principles of avoidance and minimisation, identify an environmentally acceptable area for development. 18. Provide a summary of residual impacts of future development and associated infrastructure within and adjacent to the amendments areas. 19. Describe any proposed avoidance, mitigation and management measures that demonstrate the EPA’s objectives can be met. 20. Describe the planning mechanisms that are to be applied to ensure impacts are managed to meet the EPA’s objectives. 21. Prepare a local water management strategy in accordance with the Guidelines for local water management strategies (DoW, 2013). 22. Prepare a monitoring program including management objectives, baseline conditions, public reporting and measures to be implemented in the event of non-compliance to management objectives. 23. Prepare a program to report on the performance of Yule Brook for major storm events upstream, downstream and through the MKSEA. |
| <p>Relevant policy and guidance</p> | <p><i>EPA Policy and Guidance</i> <i>Statement of Environmental Principles, Factors and Objectives</i>, EPA, 2016 <i>Environmental Factor Guideline – Inland Waters</i>, EPA, June 2018</p> <p><i>Other policy and guidance</i> <i>Better Urban Water Management</i>, Western Australian Planning Commission, October 2008</p> |

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| | <p><i>Interim: Developing a local water management strategy, Department of Water, December 2008</i></p> <p><i>Identification and investigation of acid sulphate soils and acidic landscapes, Department of Environment Regulation, June 2015</i></p> <p><i>Operational policy 4.3: Identifying and establishing waterways foreshore areas, Department of Water, September 2012.</i></p> <p><i>Treatment and management of soil and water in acid sulphate soil landscapes, Department of Environment Regulation, June 2015</i></p> <p><i>Environment Protection and Biodiversity Conservation Act 1999 and approved conservation advices on relevant MNES.</i></p> |
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| Flora and Vegetation | |
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| EPA objective | To protect flora and vegetation so that biological diversity and ecological integrity are maintained. |
| Relevant activities | Clearing of vegetation, addition of fill, and alteration of natural drainage regimes for future development and associated infrastructure. |
| Potential impacts and risks | <p>Direct and indirect loss of significant flora and vegetation, including threatened ecological communities, significant wetlands; Threatened Flora, and vegetation complexes poorly represented in existing conservation reserves (Guildford Complex).</p> <p>Potential impacts include:</p> <ul style="list-style-type: none"> • Direct loss through clearing, • Loss of fauna habitat (vegetation loss) short and long term, • Impacts to wetland and riparian vegetation and ground water dependant ecosystems through changes to hydrology, • Spread or intensification of weeds and <i>Phytophthora</i> dieback, • Increased fire risk to significant flora and vegetation within and adjacent to the amendment area including the Greater Brixton Street Wetlands, and • Fragmentation. |
| Required work | <p>24. Identify and describe the vegetation and flora species present and likely to be present within and immediately adjacent to the amendment area. Demonstrate how surveys are consistent with current EPA policy and guidance set out below. Include a summary of survey findings and an analysis of the significance of flora and vegetation in local and regional contexts as appropriate in accordance with relevant guidance set out below.</p> <p>25. Note: if surveys were undertaken at the referral stage, survey results and a demonstration of how the guidance has been followed are to be</p> |

included in the environmental review. Ensure species database searches and taxonomic identifications are current.

26. Provide a map depicting the recorded locations of significant flora, ecological communities and vegetation in relation to the amendment areas in accordance with the relevant guidelines set out below. Clearly show any areas/lots unable to be surveyed.
27. Provide a map depicting areas of vegetation and flora to be retained and protected, including appropriate buffers from future development and associated infrastructure. Assess the potential direct and indirect impacts of future development and associated infrastructure on the identified environmental values. Include a quantitative assessment of levels of impact on significant flora, listed ecological communities and all vegetation units. Describe and assess the extent of any cumulative impacts within local and regional contexts as appropriate.
28. Determine the ecological water requirements of; and identify buffers to significant vegetation.
29. Identify and quantify (in ha) areas of vegetation and significant flora that are not proposed for retention.
30. Describe the planning or other mechanisms that will ensure vegetation identified for retention will be protected.
31. Describe the ongoing management requirements to ensure retained areas of vegetation within the amendment area are managed appropriately and identify which planning or other mechanisms are required to ensure this management is implemented.
32. Describe the ongoing management requirements for the amendments areas, which would ensure the vegetation of the Brixton Street Wetlands is maintained, and what planning or other mechanisms are required to ensure this management.
33. Describe any proposed avoidance, mitigation and management measures to reduce the potential impacts of future development and associated infrastructure. Include any proposed management and/or monitoring plans that will be implemented pre- and post-development to ensure residual impacts are not greater than predicted.
34. Describe the planning mechanisms that are to be applied to ensure impacts are managed to meet the EPA's objectives.
35. Prepare a monitoring program including management objectives, baseline conditions, public reporting and measures to be implemented in the event of non-compliance to management objectives.
36. Identify, describe and quantify the potential residual impacts (direct, indirect and cumulative) that may occur following completion of future development and associated infrastructure after considering and applying avoidance and minimisation measures.

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| | 37. |
| Relevant policy and guidance | <p>EPA Policy and Guidance</p> <p><i>Statement of Environmental Principles, Factors and Objectives</i>, EPA, 2016</p> <p><i>Environmental Factor Guideline – Flora and vegetation</i>, EPA, December 2016</p> <p><i>Technical Guidance: Flora and vegetation surveys for environmental impact assessment</i>, EPA, December 2016</p> <p><i>Instructions and Form: IBSA Data Packages</i>, EPA, June 2018</p> <p>Other policy and guidance</p> <p><i>State Planning Policy 2.8: Bushland Policy for the Perth Metropolitan Region</i></p> <p><i>Environment Protection and Biodiversity Conservation Act 1999 and approved conservation advices on any relevant MNES.</i></p> <p>DoEE Survey guidelines for Australia's threatened species: various Guidelines for surveying for species listed as threatened under the EPBC Act</p> |

| Terrestrial Fauna | |
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| EPA objective | To protect terrestrial fauna so that biological diversity and ecological integrity are maintained. |
| Relevant activities | <ul style="list-style-type: none"> • Clearing of fauna habitat and addition of fill for future development and associated infrastructure. • Movement of machinery and vehicles. • Increased presence of artificial light, noise and human activity. |
| Potential impacts and risks | <ul style="list-style-type: none"> • Loss of significant fauna habitat including black cockatoo habitat - breeding, roosting and foraging. • Direct or indirect impacts or loss of other significant fauna and fauna habitat found to be present during survey. • Fragmentation of fauna habitat and loss of ecological connectivity. • Degradation of fauna habitat and habitat modification from introduction and increased spread of weeds and/or disease, altered surface water flows, altered groundwater and edge effects. • Fauna mortality as a result of construction activities. • Disturbance to waterbirds (including migratory species) from impacts to wetlands. • Altered fauna behavior due to noise, lighting and human presence. • Change in feral animal abundance and/or movement. |

**Details of
required work**

38. In accordance with the requirements of EPA Guidance:
- (a) conduct a Level 1 (basic) terrestrial fauna survey, including a desktop study that incorporates existing regional terrestrial fauna surveys and databases; and
 - (b) as required based on the outcomes of the Level 1 (basic) survey undertake terrestrial fauna surveys, including targeted surveys for significant species, to identify and characterise terrestrial fauna and fauna habitat, at a local and regional scale, that may be impacted directly and indirectly by future subdivision, development and provision of associated infrastructure. This should include sampling inside and outside the amendment areas and consideration of cumulative impacts. For significant species, this must include information on:
 - I. the abundance, distribution, ecology and habitat preferences, together with baseline information and mapping of local and regional occurrences;
 - II. a population size and importance of the population from a local and regional perspective; and,
 - III. information on conservation value of each habitat type (e.g. breeding, migration, feeding, resting) from a local and regional perspective, including the percentage representation of each habitat site in relation to its local and regional extent.
39. Note: Surveys should include both Terrestrial Vertebrate Fauna and Short-range Endemic (and/or other significant) Invertebrate Fauna. Survey results and a demonstration of how the requirements have been met are to be included in the ER. If multiple surveys have been undertaken to support the assessment, a consolidated report should be provided including the integrated results of the surveys.
40. Where surveys were undertaken prior to the issuing of these ER instructions, justification should be provided to demonstrate that they are relevant and consistent with EPA Guidance. IBSA data packages should be provided in accordance with EPA Guidance. Multiple surveys should be combined in one report. Separate reports are required for Short-range Endemic Invertebrate Fauna and Vertebrate Fauna.
41. Describe the values and significance of fauna and fauna habitat that may be impacted directly and indirectly by future subdivision, development and provision of associated infrastructure and describe the significance of these values in a local and regional context. Habitats that are important to significant species, and the reasons for their importance, should be identified. Discussions of habitats should quantify the absolute and relative areas of the habitats in question, and that these discussions should be supported by tables and figures that illustrate the extents of habitats.
42. Provide a map illustrating the known recorded locations of conservation significant species, other significant fauna and fauna

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| | <p>habitat in relation to the amendment area. Clearly show any areas/lots unable to be surveyed.</p> <p>43. Provide a map depicting areas fauna habitat to be retained and protected from future subdivision, development and provision of associated infrastructure.</p> <p>44. Detail, map and quantify areas of fauna habitat not proposed to be retained.</p> <p>45. Describe and assess the extent of direct and indirect impacts as a result of future development and associated infrastructure to terrestrial fauna taking into consideration cumulative impacts and the significance of fauna and fauna habitat. This should include an assessment of the risk posed to any significant species as a result of future development and associated infrastructure. For significant species, this should be done on a species-by-species basis. Significant species discussed should include short-range endemic and other significant invertebrates.</p> <p>46. Predict the residual impacts to terrestrial fauna after considering and applying avoidance and minimisation measures.</p> <p>47. Discuss proposed management, monitoring and mitigation methods to be implemented to ensure residual impacts (direct and indirect) are not greater than predicted.</p> <p>48. Prepare a monitoring program including management objectives, baseline conditions, public reporting and measures to be implemented in the event of non-compliance to management objectives.</p> <p>49. Describe the ongoing management requirements and the planning or other mechanisms that will ensure that significant fauna habitat will be protected and managed appropriately.</p> <p>50. Describe the planning mechanisms that are to be applied to ensure impacts are managed to meet the EPA's objectives.</p> |
| <p>Relevant policy and guidance</p> | <p><i>EPA Policy and Guidance</i></p> <p><i>Statement of Environmental Principles, Factors and Objectives</i>, EPA, 2016</p> <p><i>Environmental Factor Guideline – Terrestrial Fauna</i>, EPA, December 2016</p> <p><i>Technical Guidance: Sampling methods for terrestrial vertebrate fauna</i>, EPA, December 2016</p> <p><i>Technical Guidance: Terrestrial fauna surveys</i>, EPA, December 2016</p> <p><i>Technical Guidance: Sampling of short range endemic invertebrate fauna</i>, EPA, December 2016</p> <p><i>Instructions and Form: IBSA Data Packages</i>, EPA, June 2018</p> <p><i>Other policy and guidance</i></p> <p><i>Environment Protection and Biodiversity Conservation Act 1999</i></p> |

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| | <p>Relevant recovery plans, conservation advices and/or threat abatement plans for conservation significant species that are known to occur, or are likely to occur in the vicinity of the amendment area.</p> <p>DoEE Survey guidelines for Australia's threatened species: various Guidelines for surveying for species listed as threatened under the EPBC Act</p> |
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| Social Surroundings | |
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| EPA objective | To protect social surroundings from significant harm. |
| Relevant activities | <ul style="list-style-type: none"> • Clearing of vegetation and site works and provision of associated infrastructure. • Future development and operation of commercial and industrial enterprises. |
| Potential impacts and risks | <ul style="list-style-type: none"> • Disturbance to Aboriginal heritage places and/or cultural association within the area. • Changes to environment which may impact on Aboriginal heritage places. • Impacts to the natural and historical heritage values of the Greater Brixton Street Wetlands. • Impacts to the amenity; noise, odour and dust (temporary or permanent). |
| Required work | <p>51. Characterise the heritage and cultural values within and adjacent to the amendments areas to identify sites of significance and their relevance within a wider regional context.</p> <p>52. Conduct appropriate Aboriginal heritage surveys to identify Aboriginal sites, values and/or cultural associations.</p> <p>53. Conduct appropriate consultation to identify concerns in regard to environmental impacts as they affect heritage and cultural matters.</p> <p>54. Provide a description and figure(s) of the heritage and cultural values and proposed impacts within and adjacent to the amendments areas (including the Greater Brixton Street Wetlands).</p> <p>55. Assess the impacts on heritage sites, values and/or cultural associations, associated with the future development including those arising from changes to the environment which may impact on cultural and heritage significance (including the Greater Brixton Street Wetlands).</p> <p>56. Predict the residual impacts on heritage sites, values and/or cultural associations, for direct, indirect and cumulative impacts after consideration of the mitigation hierarchy.</p> |

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| | <p>57. Outline the mitigation and management measures to ensure impacts to heritage site, values and /or cultural association (direct and indirect) are minimised, and not greater than predicted.</p> <p>58. Identify and discuss the potential sources and impacts of noise, dust, and odour which could impact on residents within and adjacent to the amendments areas.</p> <p>59. Describe the planning mechanisms that are to be applied to ensure impacts are managed to meet the EPA's objectives.</p> |
| Relevant policy and guidance | <p><i>Statement of Environmental Principles, Factors and Objectives</i>, EPA, 2016</p> <p><i>Environmental Factor Guideline – Social Surroundings</i>, EPA, December 2016</p> <p><u>Other policy and guidance</u></p> <p>Department of Aboriginal Affairs and Department of Premier and Cabinet, 2013, <i>Due Diligence Guidelines</i>, Version 3.0. Perth, Western Australia.</p> |

These preliminary key environmental factors must be addressed within the ER for the public to consider the impacts of the implementation of the scheme amendments, and proposed management, and make comment to the EPA. All technical reports, modelling and referenced documents (not currently in the public domain) used in the preparation of the ER document should be included as appendices to the document. Documents used in the preparation of the ER must not contain disclaimers that preclude their public availability.

The EPA anticipates addressing these factors in its report to the Minister for the Environment.

4. Other environmental factors or matters

It is important that the responsible authority be aware that other factors or matters may be identified during the course of the ER that were not apparent at the time that these instructions were prepared. If this situation arises, the responsible authority must consult with the EPA to determine whether these factors and/or matters are to be addressed in the ER, and if so, to what extent.

5. Relevant Ministers and interested agencies

At this stage, the EPA has identified the Minister and agencies listed in Table 4 as being either the Responsible Minister or a Minister or agency concerned with the outcome of these scheme amendments. Additional Ministers and agencies may be identified during the course of the assessment.

Table 4 Relevant Ministers and interested agencies

| Minister/agency | Interest |
|-----------------------|---|
| Minister for Planning | Responsible Minister - <i>Planning and Development Act 2005</i> s. 48F. Minister's agreement needed on the conditions |

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| Minister for Aboriginal Affairs | Aboriginal Heritage Act 1972 S18 Approval |
| Department of Biodiversity Conservation and Attractions | Management of lands under the CALM Act Greater Brixton Street wetlands, presence of TEC's, significant fauna and flora and potential impact on canning river water quality |
| Department of Water and Environment Regulation | Stormwater and drainage management, groundwater licensing and management, other waterways management. |
| Manager Development Services, Water Corporation | Approval of the Yule Brook Main Drain design. |
| Chief Executive Officer, City of Kalamunda | Approval of the major storm event management plan. |