environmental management











Annual Compliance Report 25 June 2016 to 24 June 2017 EPBC 2013/6866

Woodlinks Village – Master Planned Residential Community, Collingwood Park, Queensland Canberra Estates Consortium No. 36 Pty Ltd 7189 E 22 September 2017



Document control

Title	Annual Compliance Report, 25 June 2016 to 24 June 2017, EPBC 2013/6866
Address	Woodlinks Village – Master Planned Residential Community, Collingwood Park, Queensland
Client	Canberra Estates Consortium No. 36 Pty Ltd
Job Number	7189 E

Document Issue

Issue	Date	Prepared By	Checked By
Draft	08 September 2017	JB	MS
Client draft	20 September 2017	JB	Client
Final	22 September 2017	JB	MS

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Reports and/or Plans by Others

Reports and/or plans by others may be included within this Environmental Management report to support the document.



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I. Introduction

The Environmental Management Division of Saunders Havill Group was engaged by Canberra Estates Consortium No. 36 Pty Ltd to prepare an Annual Compliance Report for the Woodlink Project – Master Planned Residential Community granted under the Commonwealth *Environment Protection & Biodiversity Conservation Act 1999* (EPBC Act) (ref EPBC 2013/6866), and is specifically required by condition 8 of the approval granted on 4 March 2014. The project is referred to in this report as *Woodlinks Village* which is the residential estate name.

The project area covers approximately 78 hectares (ha) and is located approximately 12 kilometres by road east of lpswich (refer to Figure 1).

This report delivers an annual overview of the project's progression towards achieving the primary objective:

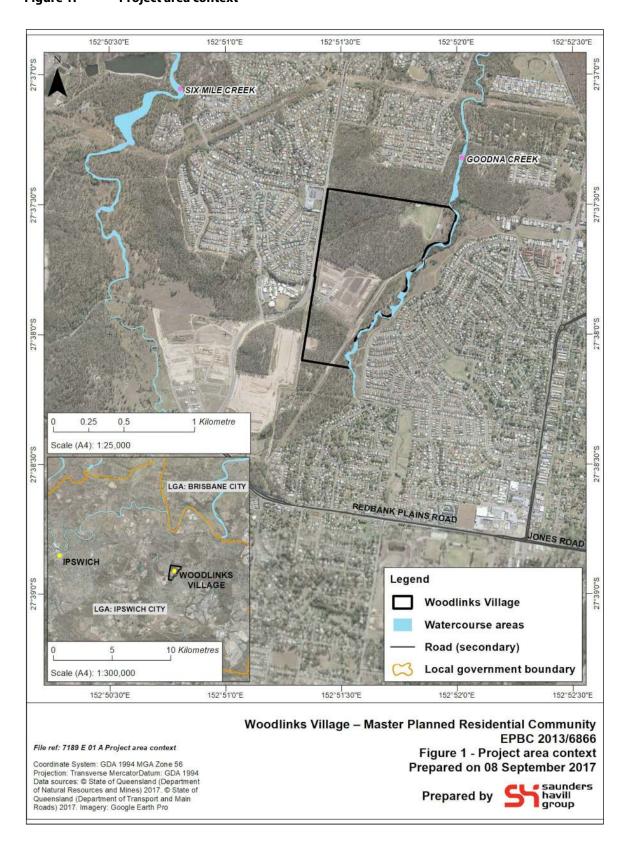
To create a self-sustaining system that provides habitat critical to the survival of the Koala while creating a locally significant corridor connecting habitat areas along Goodna Creek.

The project's progress and notable events during the reporting period are detailed in Section 3. The assessment of compliance with the approval conditions is presented in Section 4. This report is the second Annual Compliance Report for the approved action. Correspondence from the Department of the Environment and Energy (the Department) dated 28 February 2017 confirmed the first report (2016) was satisfactory and the subsequent Annual Compliance Report was due no later than 24 September 2017.

I,I, Approval details

Commonwealth reference	EPBC 2013/6866
Approval holder	Canberra Estates Consortium No. 36 Pty Ltd
ACN	156 442 312
Approval date	4 March 2014
Expiry date of approval	31 January 2034
Approved action	To develop the Woodlink residential community in Collingwood Park, Queensland
Controlling provision	Approved - listed threatened species and communities (sections 18 & 18A)
Reporting period	25 June 2016 to 24 June 2017
Address	246-326 Collingwood Drive, Collingwood Park
Local government area	Ipswich City Council







2. Declaration of accuracy

In making this declaration, I am aware that sections 490 and 491 of the *Environment Protection and Biodiversity Conservation Act 1999* (Cth) (EPBC Act) make it an offence in certain circumstances to knowingly provide false or misleading information or documents. The offence is punishable on conviction by imprisonment or a fine, or both. I declare that all the information and documentation supporting this Annual Compliance Report is true and correct in every particular. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

Signed

Full name Murray Saunders

Position Managing Director

Organisation Saunders Havill Group

ABN 24 144 972 949

Date 22 September 2017



Development actions

Woodlinks Village is a residential community located in the suburb of Collingwood Park. The development of residential land parcels and open space areas is under establishment, with approximately 60 houses constructed since the commencement of the action in 2015. As residential development advances, the adjoining Goodna Creek open space area is rehabilitated with a focus on enhancing koala habitat. Other open space areas providing local park facilities and general amenities in the development area have also been established.

Clearing work associated with the residential development was undertaken during 2015 with the assistance of Queensland Fauna Consultancy (QFC). As part of this work, a fauna spotter was in attendance at all times during clearing activities. QFC reported on the clearing activities and this was subsequently provided to the Department in the 2016 Annual Compliance Report.

Since the 2016 Annual Compliance Report, development activities have included:

- road and infrastructure construction
- house construction
- landscape and drainage works
- offset improvement works

Additional clearing has not occurred since the 2016 Annual Compliance Report, with all works occurring within the previously established cleared zone. The current status of the project has seven small stages of housing ready for development with approximately four stages either under construction or near completion. The following table best summarises the current status of the project in conjunction with Images 1 to 4. Figure 2 illustrates the impacts to habitat critical to the survival of the Koala as defined in the approval and listed in the table.

3.1. Development details

Total dwellings (approved)	1,000
Dwellings under construction	60
Total defined critical habitat onsite	35.2 ha
Approved total clearing of defined critical habitat only	25.9 ha
Total current clearing of defined critical habitat only	15.4 ha
Total current clearing of non- critical habitat	4.7 ha
Total current clearing (critical and non-critical habitat)	20.1 ha



Image 1: Established local park facilities amongst existing vegetation



Image 2: Established local park facilities amongst existing vegetation



Image 3: Woodlinks Village entrance



Image 4: Newly established housing and street landscaping

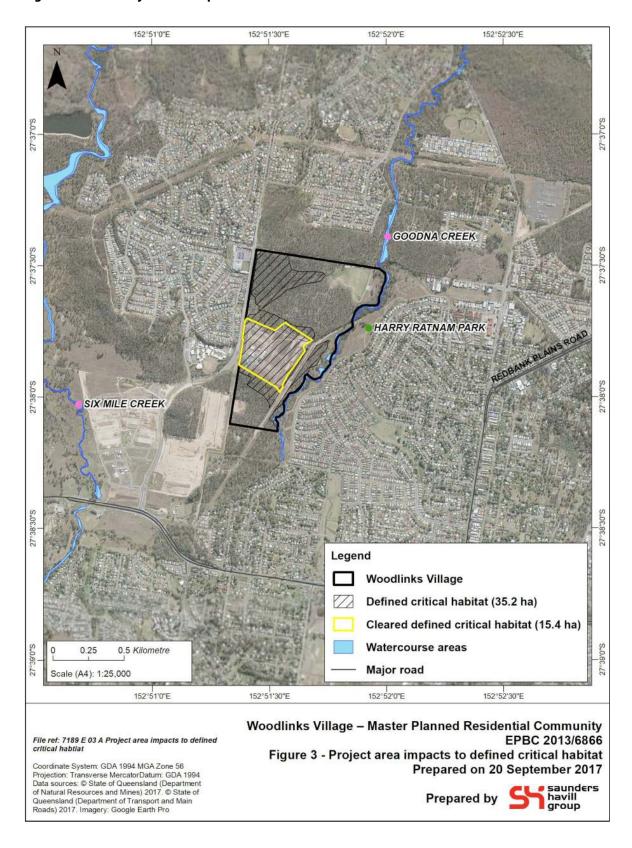


Image 5: Revegetated detention basin



Image 6: Detention basin interface with Goodna Creek corridor

Figure 2: Project area impacts to defined critical habitat





4. Offset actions

As per the detail preliminary documentation, the offset land is made up of two distinct areas:

1. Open space dedications

New land created and improved along the Goodna Creek conservation corridor.

2. Harry Ratnam Park

Improvement works for the establishment of new habitat within existing degraded Ipswich City Council parkland.

As part of the EPBC approval process, it was determined that offset areas adjacent to Goodna Creek would be created, rehabilitated and improved as Koala habitat. The purpose of the offset was to bolster and enhance the existing local Koala corridor movement along Goodna Creek.

The Offset Management Plan lodged under condition 4 of the approval, and approved by the Department on 15 October 2014, details the progressive works to occur throughout the area. Condition 3 of the approval outlines the need for the approval holder to implement "mechanisms" to provide enduring protection. For new offset land on the west of Goodna Creek this involves the creation of parkland allotments and the dedication of the land to lpswich City Council for conservation purposes.

The process for completing this dedication and enduring protection includes the steps listed below.

- 1. The western parkland dedication area has been designated as three separate future allotments aligning to development staging:
 - i. Lot 7000
 - ii. Lot 7001
 - iii. Lot 7002
- 2. A detailed operational works drawing set must be completed and lodged for Ipswich City Council approval.
- 3. Once approved the works are tendered and commissioned.
- 4. Improvement/rehabilitation works completed including weed removal, revegetation with Koala trees, rubbish removal and fixing of erosion issues.
- 5. At the completion of works a thorough onsite inspection is completed by Ipswich City Council and once satisfactory the area is accepted as "on-maintenance".
- 6. After 18 months, if the completed works continue to satisfy Ipswich City Council during the regular inspections, the works are considered "off-maintenance".
- 7. Once the works are considered completed the created allotment can be registered with the Queensland Government titles office and dedicated to Ipswich City Council.

There are two constraints which limit the timeframe for dedications of offset land:

1. The offset allotment is created as the development allotments are reconfigured. This occurs post approval of the stage adjoining the Goodna Creek conservation corridor.



2. The improvement works must have occurred prior to Ipswich City Council accepting the dedicated land (Ipswich City Council will not accept the land title prior to the developer completing all weed management and revegetation works).

The Harry Ratnam Park offset area, which makes up approximately 13.5 ha of the offset area, is already under lpswich City Council ownership and is therefore secured and protected. A land access agreement in favour of the approval holder is in place and facilitates the undertaking of improvement works.

Collectively, the 32.8 ha Koala offset area is made up of:

- created allotment 7000 (5.58 ha)
- created allotment 7001 (2.41 ha)
- created allotment 7002 (8.5 ha)
- Goodna Creek watercourse allotments (2.8 ha)
- Harry Ratnam Park allotments (13.5 ha)

4.I Offset status

At the two years post commencement date, the approved offset has achieved the following status:

Lot 7000

- operational works permits achieved
- works tendered and complete
- allotment created and awaiting registration from the Queensland Government title's office

Lot 7001

- operational works permits achieved
- works tendered and complete
- allotment created and awaiting registration from the Queensland Government title's office

Lot 7002

- operational works permits pending (dependent on the reconfiguration of neighbouring development allotments)
- no works completed at this stage (i.e. during the reporting period)
- no allotment created as development has not progressed to this portion of the site

Harry Ratnam Park

- operational works documentation completed
- full land access agreement in place and executed between approval holder and Ipswich City Council
- no works commenced (beyond ongoing use and harvest of the Koala harvest area)

The following documents are provided as supporting documentation to the current offset area status:

Appendix A: Lot 7000 operational works drawings Appendix B: Lot 7001 operational works drawings

Appendix C: Lots 7000 and 7001 operational works approval Appendix D: Lots 7000 and 7001 photos of rehabilitation works

Appendix E: Survey plan of created lot 7000

Appendix F: Harry Ratnam Park operational works drawings

Appendix G: Land access agreement



In summary, 8.0 ha of the 32.8 ha offset area has been completely rehabilitated for improved Koala habitat. This completed area and the Harry Ratnam Park have a protection mechanism in place. The remaining 8.5 ha does not yet exist as an allotment due to the project not progressing to that phase and therefore there is no title in which to dedicate and apply a mechanism.

5. Field survey offset area

As part of preparation for this Annual Compliance Report, two field ecologists from the Saunders Havill Group attended the site on 22 August 2017 and inspected the offset area. As part of this inspection, the following tasks were completed and/or reviewed:

- application of Koala SAT rapid assessment methodology technique (scat meander)
- Goodna Creek rehabilitation status
- bio-basin adjacent to the current development site
- accessibility to the Koala tree harvest facility
- Harry Ratnam Park usage and status

The field ecologists identified evidence of Koala usage throughout the corridor and the evidence indicated a higher usage in the southern aspect of the corridor compared to the north. Access to the Koala tree harvest facility was functional and via two access points from Eagle Street. Fencing between the residential and conservation areas was suitable to prevent Koala access to residential yards (Image 6).

The rehabilitation work had varying levels of success with revegetation and weed removal successes west of the powerline easement generally superior to the area east of the powerline (Image 7). Revegetation of the detention basin was also in good condition. While on-site, local residents were observed using the powerline easement and there is some evidence of vandalism and fence damage in the rehabilitation areas. The approval holder has repaired and reinstated these areas on several occasions.



Image 6: Koala exclusion fencing interface between residential development and the Goodna Creek open space area



Image 7: Rehabilitation along the powerline easement

5.I. Severe weather

During 28-30 March 2017, the region experienced thunderstorms and torrential rainfall as a consequence of former tropical cyclone Debbie moving south across Queensland. This destructive weather is detailed in the *Monthly Climate Summary for Brisbane* published by the Bureau of Meteorology (BOM) on 3 April 2017, and an extract is provided below.



Heavy rainfall and flooding from ex-tropical cyclone Debbie

- Rainfall was well above the March average at all metropolitan sites; record high at Amberley, Logan City Water Treatment Plant and Brisbane Aero
- Brisbane recorded between 300 mm and 400 for the month. The gauge at Brisbane City suffered equipment outages on the 30th; the true total is not known but is considerably higher than the reported 189.6 mm
- Ex-tropical cyclone Debbie tracked across the Brisbane area at the end of the month
- Heavy rainfall was recorded early on the 30th and overnight to the 31st across the metropolitan area, with flash-flooding in numerous suburbs during the 30th
- Amberley had its highest daily March rainfall on record on the 31st, with 143.6 mm, exceeding the site's March average in one day
- Major riverine flooding occurred in the Logan and Albert; Warrill Creek, Bremer River and Lockyer Creek

Extract from the Bureau of Meteorology's Monthly Climate Summary for Brisbane (3 April 2017).

For context, Amberley is located approximately 15 km west of the project, and Archerfield Airport 15 km east (Figure 3). Both of these sites received over 200 millimetres (mm) of rainfall during 30-31 March 2017 which is over 300% more than the average monthly rainfall (BOM 2017).

Inspections undertaken after this severe weather identified the localised flooding and erosion impacts in the Goodna Creek open space area as shown in Images 8 and 9 below. Remediation works were undertaken by the landscape contractor.

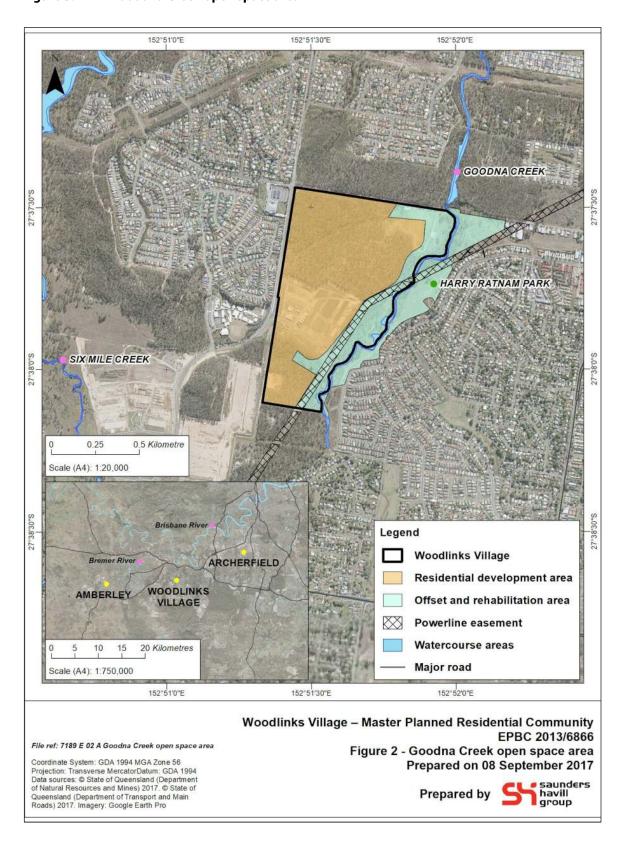


Image 8: Localised flooding after heavy rainfall and flooding from ex-tropical cyclone Debbie in the Goodna Creek open space area



Image 9: Powerline easement through the Goodna Creek open space area and erosion caused by heavy rainfall and flooding from extropical cyclone Debbie

Figure 3: Goodna Creek open space area





6. EPBC approval conditions compliance table

The EPBC approval conditions for the project are replicated in Table 1 with a designation of compliance or non-compliance if the condition was applicable during the reporting period, and evidence and comments as required. A copy of the EPBC approval and conditions is provided in Appendix H.

Table 1: EPBC approval conditions compliance table

Condition number/ reference	Condition	Is the project compliant with this condition?	Evidence/comments
1	The approval holder must not remove or fragment more than 25.9 hectares of habitat critical to the survival of the Koala. Impacts to habitat critical to the survival of the Koala must be limited to the project area shown in Attachment 1.	Compliant	A total of approximately 15.4 ha of habitat critical to the survival of the koala has been cleared in the project area (refer to Figure 2 for the location). No clearing has occurred since the 2016 Annual Compliance Report. Note: at the time of assessment and approval, critical habitat was defined in accordance with the interim advice note. Under this advice, only portions of the site achieved the criteria. Current vegetation cleared on site equals 20.1 ha of which 15.4 ha is considered critical habitat in accordance with the approval.
2	 The approval holder must prepare a Koala Management Plan to address management measures to avoid and mitigate impacts to Koalas. a) The Koala Management Plan must be submitted to the Minister for approval no less than three months prior to its intended implementation. Once approved the Koala Management Plan must 	Compliant	On 15 October 2014 the Department approved the KMP and provided confirmation that the KMP met the requirements of condition 2. Implementation of the KMP is detailed in section 7 of this report and Table 2.



Condition number/ reference	Condition	Is the project compliant with this condition?	Evidence/comments
	be implemented. b) The Koala Management Plan must be implemented prior to commencement of the action, or as otherwise directed in writing by the Minister. c) The Koala Management Plan must include, but not be limited to: i. details of pre-clearance survey methods for Koalas within the project area to be undertaken prior to the commencement of the action, ii. details of measures to mitigate impacts to Koalas within the project area, including, but not limited to: 1. provision for a qualified fauna spotter-catcher to undertake surveys and handling of Koalas prior to and during commencement of the action; 2. construction and permanent fauna exclusion fencing; 3. implementation of appropriate vehicle speed limits; 4. utilisation of plant species in the project area that will not attract Koalas to the project area; 5. implementation of traffic calming awareness signage; and 6. provision of off-leash dog facilities, on-leash areas and dog prohibited areas. iii. details of methods for Koala relocation activities, to be undertaken prior to and during the commencement of the action including the identification and description of suitable		
	recipient Koala habitat. iv. process for reporting results from pre-clearance surveys and		



Condition number/ reference	Condition	Is the project compliant with this condition?	Evidence/comments
	relocation activities, including, but not be limited to: 1. identification of a website in which information would be made available to the public, 2. timing and frequency for providing reporting information to the Department, 3. provision of the following details, at a minimum, to be recorded if any Koalas are captured during relocation activities: • sex • age class • time and date of capture • method of capture • location of capture (Global Positioning System (GPS)) • state of health • any veterinary intervention required • time held in captivity • location of release (GPS) and date 4. provision of the following details at a minimum to be recoded for incidents if any Koalas are injured or killed: • time, location (GPS) and nature of extent • details of Koalas (including sex and age class) • measures taken to address incident		
3	To offset the residual impacts to Koala, the approval holder must	Compliant	As described in Section 4 Offset Actions, dedication and

Condition number/ reference	Condition	Is the project compliant with this condition?	Evidence/comments
	implement mechanisms to provide enduring protection, over a minimum of 27 hectares, to the offset site, referred to as 'Goodna Creek Offset and Rehabilitation Area' as shown in Attachment 1. The protection mechanisms implemented by the approval holder, including but not limited to, land access agreements, dedication of land title and zoning under the Ipswich Planning Scheme must be consistent with the conditions of this approval and the principles of the EPBC Act Offsets Policy. Within three years of the date of the approval, the approval holder must provide written evidence to the Department demonstrating that the protection mechanisms have been implemented.		enduring protection of the offset area is a sequential process and 8 ha of rehabilitated land is awaiting registration from the Queensland Government title's office. Harry Ratnam Park is protected and has a full land access agreement in place and executed between approval holder and Ipswich City Council. In total, 24.3 ha is currently protected (including Goodna Creek) with only an 8.5 ha remaining which does not yet exist as an allotment due to the project not progressing to that phase and therefore there is no title in which to dedicate and apply a mechanism. At the two year mark post-commencement of the action, the development phases of the project, in line with weakening market conditions, have not progressed as quickly as forecast. A result of this may mean that the final tranche of offset land may not be created by the third year post approval. This will be monitored over the 2017-2018 reporting period and consulted with the Department. It is noted that project commencement occurred twelve months after the issuing of the approval.
4	The approval holder must prepare an Offset Management Plan to address significant residual impacts to Koalas as a result of the action: a. impacts to Koalas that must be offset include: i. the loss of 25.9 hectares of habitat critical to the survival of the	Compliant	The Woodlinks Village Offset Management Plan (OMP) was approved by the Department on 15 October 2014 and the approval confirmed the OMP met the requirements of condition 4.



Condition number/ reference	Condition	Is the project compliant with this condition?	Evidence/comments
reference	Koala, and ii. injury and mortality of Koalas. b. the Offset Management Plan must include, but not be limited to: i. a detailed description of all affected values and the extent and likely timing of the impact/s on each, ii. the offset delivery mechanism(s) comprising land offsets and management, and maintenance of Koala population offset within the 'Goodna Creek Corridor' as shown in Attachment 1, iii. detailed descriptions of how enhanced conservation outcomes for the affected Koalas will be achieved in accordance with the EPBC Act Offsets Policy, iv. contribution of funding to the management and maintenance of the Offset Management Plan, v. timeframes and key milestones for implementation of offsets including, but not limited to, beginning to implement the offset plan prior to commencement of the action, vi. discussion of the risks and uncertainties associated with proposed offsets, vii. mechanisms for monitoring and reporting viii. corrective actions and contingency measures to be	this condition?	Implementation of the OMP is described in section 8 of this report and Table 3.
	implemented (including the timing of implementation of these) where monitoring of the offset area/s under the offset plan shows that offset strategies are not effectivity achieving a net benefit or key milestones are not being or unlikely to be met, and ix. include textual descriptions and maps clearly defining the		



Condition number/ reference	Condition	Is the project compliant with this condition?	Evidence/comments
	locations and boundaries of offset areas. These must be accompanied by a shapefile. c. The Offset Management Plan must be developed in consultation with the Department and other relevant stakeholders, including but not limited to, the Ipswich City Council and Ipswich Koala Protection Society. d. The approval holder must give consideration to how offsets will contribute to programs or incentives that align with the broader strategies and programs for the conservation and protection of Koalas. e. The Offset Management Plan must be submitted to the Minister for approval no less than three months prior to its intended implementation. Once approved the Offset Management Plan must be implemented. f. The Offset Management Plan must be implemented prior to the commencement of the action, or as otherwise directed in writing by the Minister.		
5	The most recent approved version of the Koala Management Plan and Offset Management Plan must remain accessible to the public on the website of the approval holder for the duration of the action.	Compliant	The approved versions of the KMP and OMP are accessible to the public via the Woodlinks Village website.
6	Within ten days after the commencement of the action, the approval holder must advise the Department in writing of the actual date of commencement.	Compliant	The date of the commencement of the action was 24 June 2015 and the Department was notified on 25 June 2015.

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Condition number/ reference	Condition	Is the project compliant with this condition?	Evidence/comments
7	The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the plans required by this approval, and make them available upon request to the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.	Compliant	The Saunders Havill Group records and holds all relevant information for this EPBC approval on behalf of the approval holder. Electronic records of all material are held collectively by the Saunders Havill Group and approval holder and will be made available upon request in accordance with section 458 of the EPBC Act, or if required to verify compliance with the conditions of approval.
8	Any potential or suspected non-compliance with these conditions of approval must be reported to the department in writing within 48 hours of the approval holder becoming aware of the potential or suspected non-compliance. Within three months of every 12 month anniversary of the commencement of the action, the approval holder must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any plans as specified in the conditions. Documentary evidence providing proof of the date of publication must be provided to the Department at the same time as the compliance report is published.	Compliant	The approval holder and Saunders Havill Group are not aware of a potential or suspected non-compliance with the conditions during the reporting period. The anniversary of the commencement of the action is 24 June. The annual deadline for publishing the report addressing compliance with each of the conditions of the approval (i.e. this Annual Compliance Report) is 24 September. Documentary evidence providing proof of the date of publication will be provided to the Department when the report is published. A letter from the Department, dated 7 March 2017, confirmed the previous Annual Compliance Report satisfied the requirements of the approval.
9	Upon the direction of the Minister, the approval holder must ensure that an independent audit of compliance with conditions of approval is	Not applicable	The Minister has not directed the approval holder to conduct an independent audit of compliance with the



Condition number/ reference	Condition	Is the project compliant with this condition?	Evidence/comments
	conducted and a report submitted to the Minister. The independent auditor must be approved by the Minister prior to the commencement of the audit. Audit criteria must be agreed to by the Minister and the audit report must address the criteria to the satisfaction of the Minister.		conditions of the approval.
10	If the approval holder wishes to carry out any activity otherwise than in accordance with a plan as specified in the conditions, the approval holder must submit to the Department for the Minister's written approval a revised version of that plan. The varied activity shall not commence until the Minister has approved the revised plan, that plan must be implemented in place of the plan originally approved.	Not applicable	The approval holder has not wished to carry out any activity that is not in accordance with the approved KMP and OMP.
11	If the Minister believes that it is necessary or convenient for the better protection of Koala to do so, the Minister may request that the approval holder make specified revisions to a plan specified in the conditions and submit the revised plan for the Minister's written approval. The approval holder must comply with any such request. The revised approved plan must be implemented. Unless the Minister has approved the revised plan, then the approval holder must continue to implement the plan originally approved, as specified in the conditions.	Not applicable	The Minister has not provided a direction to revise a plan specified in the conditions.
12	If, at any time after five years from the date of this approval, the approval holder has not commenced the action, then the approval holder must not connective without written agreement of the Minister.	Not applicable	The action commenced on 24 June 2015.



7. Koala Management Plan

A review of the KMP commitments and implementation is provided in Table 2.

Table 2: Koala Management Plan implementation

No.	Commitment	Evidence/comments/status
KMP-1	Awareness To achieve the objectives of the KMP, it is important that site personnel (e.g. contractors and sub-contractors) are aware of the plan and the requirements pertaining to the protection of the Koala. As part of working on-site, the civil contractor is responsible for ensuring civil works personnel are aware of the KMP and impacts to the Koala are reported to the approval holder.	During the reporting period clearing activities were not undertaken however site personnel (e.g. contractors and sub-contractors) were made aware of the KMP requirements and could readily access a copy via the Woodlinks Village website at all times. While on-site, the temporary site office displayed a copy of the KMP. Induction material, daily meetings and reporting captured information pertaining to fauna management while the civil contractor's undertook work at Woodlinks Village.
KMP-2	Construction management - fauna Engage a registered fauna spotter/catcher to protect wildlife from the impacts of clearing. This includes the preparation of management plans (e.g. Wildlife Protection and Management Plan (WPMP) and Wildlife and Habitat Impact Mitigation Plan (WHIMP)), attendance at key project milestones such as the pre-start meeting, pre-clearance reporting and post-works reporting. The fauna spotter/catcher management plans incorporate methods for relocating fauna during clearing activities.	During the reporting period clearing activities were not undertaken and a fauna spotter/catcher was not required. For previous clearing activities (including pre-clearance and post-clearance), Queensland Fauna Consultancy (QFC) was engaged to provide fauna spotter/catcher services at Woodlinks Village. QFC reports include data on Koalas encountered during clearing and are published on the Woodlinks Village website. Reporting to the Department on clearing activities is undertaken in accordance with the approval conditions.
KMP-3	Construction management - vegetation clearing Clearing, rehabilitation and revegetation will occur in stages over the life of the project and pre-starts will be held with stakeholders.	Stage 1 of vegetation clearing was completed in a previous reporting period and future clearing will proceed in stages aligned with the planned development of residential land. Reporting associated with Stage 1 1 of

No.	Commitment	Evidence/comments/status
	Vegetation clearing activities are supervised by suitably qualified person/s that adhere to current industry practices that protect the welfare of animals. These activities require demarcating the vegetation clearing limit prior to commencing clearing work. Subsequent reporting is made available to stakeholders and the public.	clearing is available on the Woodlinks Village website. QFC supervised all vegetation clearing activities which included inspecting the demarcated boundary of the works area and ensuring clear paths for fauna to reach safe havens were provided. QFC's Standard Operating Procedure detailed in the pre-clearance report for Stage 1 details the processes employed to safely and effectively minimise the potential harm caused to fauna during vegetation clearance.
KMP-4	Construction management - vegetation clearing All site trees will be mulched for re-use in on-site erosion and sediment control and revegetation.	During the reporting period clearing activities were not undertaken however suitable trees are re-used on-site to meet erosion and sediment control and revegetation requirements wherever possible.
KMP-5	Construction management - vegetation clearing - fencing Prior to vegetation clearing, install a temporary fauna exclusion fence around the area of clearing works and maintain the fence until the completion of major civil works.	Stage 1 of vegetation clearing and major civil works were completed in a previous reporting period and QFC's reports detail the particulars of fencing installed.
KMP-6	Operational management – general Manage and protect the Goodna Creek open space area including: undertake weed management and revegetation activities install landscape furniture and ecological feature signage establish a cat and dog restriction zone disallowing pet friendly areas (e.g. open grassed areas) providing a dog off-leash area outside the corridor inform new residents of the corridor values and importance.	Weed management and landscape (i.e. revegetation) works have been undertaken in the Goodna Creek open space area adjacent to the residential development area. These works were approved by Ipswich City Council and are currently under active management. The landscape works undertaken thus far have been successful with some areas requiring additional management as a result of the heavy rainfall and localised flooding in March 2017. The next phase of works will include the advancement of revegetation activities at Harry Ratnam Park. Future weed management and landscape activities in the corridor will be

No.	Commitment	Evidence/comments/status
		undertaken as residential development progresses north and south.
		Corridor signage has been installed to inform the local residents of the restrictions relating to dogs, however the powerline easement is used as a thoroughfare historically by non-residents walking dogs who do not access the area via the development. This issue is the result of prior trespassing on the land pre-development. As the development expands and the vacant land is transitioned to housing, the trespassing will diminish.
		Communication between the approval holder and residents is facilitated using the Woodlinks Village website, the on-site sales village and letterbox pamphlets. These provide current information on the commitments to protecting and improving the Goodna Creek open space area and how residents can contribute to protecting the Koala.
KMP-7	Operational management – fencing and planting Neighbourhood design will include road frontage between residential allotments and the Goodna Creek open space area. Additionally, landscape design will avoid planting known Koala food or shelter trees in areas outside of the Goodna Creek open space area to discourage Koalas from entering residential areas. Residents will be informed of the preference for planting non-Koala food and habitat trees on private land.	The residential layout constructed has provided road frontage to the open space area as an interface between the residential and open space land uses. Approved landscape works do not include Koala trees in the species mix. Community awareness of the Goodna Creek corridor and function is an ongoing campaign and the fencing requirements required are strongly emphasised.
		Residential buyers are informed of the Koala management measures as part of the land purchasing process. Additional information and guidelines are provided on the Woodlinks Village website and letterbox pamphlets (refer to the lifestyle guidelines for Woodlinks Village in Appendix I).



No.	Commitment	Evidence/comments/status
		At this stage no housing has been constructed adjoining the Goodna Creek offset area and therefore no exclusion fencing has been established. The sales contracts for the esplanade allotments include statutory fencing controls for new housing.
KMP-8	Operational management - traffic Install traffic calming measures and signage to alert drivers to the potential presence of fauna. Install fauna exclusion fencing in areas of high traffic volume.	Construction of roads within phase 1 was ongoing during the reporting period. Speed limits within the estate are a maximum of 50 km/h and the existing traffic volume has not necessitated the installation of fauna exclusion fencing along roads. No roads have been established along the Goodna Creek esplanade at this stage and thus traffic calming and awareness measures have not been implemented.



8. Offset Management Plan

A review of the OMP commitments and implementation is provided in Table 3.

Table 3: Offset Management Plan implementation

No.	Commitment	Evidence/comments/status
OMP-1	Implement a vegetation clearing and management plan.	Vegetation clearing and management was coordinated between QFC, Ipswich City Council and the approval holder with guidance and reference to the approved OMP and KMP.
OMP-2	Engage a registered fauna spotter/catcher to protect wildlife from the impacts of clearing. Adhere to industry standards whereby construction activities work alongside, and under instruction from, fauna spotter/catcher personnel in order to avoid impacting wildlife.	During the reporting period clearing activities were not undertaken and a fauna spotter/catcher was not required. For previous clearing activities (including pre-clearance and post-clearance), QFC was engaged to provide fauna spotter/catcher services at Woodlinks Village. The most recent post-clearing report (October 2015) is available on the Woodlinks Village website. Consultant QFC provides fauna spotter catcher services in line with current industry standards and in accordance with permit requirements administered by the Queensland Government.
OMP-3	Rehabilitate (i.e. weed removal and revegetation) the Goodna Creek corridor offset area.	As described in <i>Section 4 Offset Actions</i> , 8 ha of rehabilitated land is awaiting registration from the Queensland Government title's office. Harry Ratnam Park is protected and has a full land access agreement in place and executed between approval holder and Ipswich City Council. In total, 24.3 ha is currently protected (including Goodna Creek) with only an 8.5 ha remaining which does not yet exist as an allotment due to the



No.	Commitment	Evidence/comments/status
		project not progressing to that phase and therefore there is no title in which to dedicate and apply a mechanism.
OMP-4	Improve access to the koala tree foliage harvest facility in Harry Ratnam Park.	The access upgrade infrastructure is proposed as part of the habitat improvement works to Harry Ratnam Park. These works have been documented, submitted to Council and approved. The approval holder has also executed a land access agreement with Ipswich City Council. At this stage the works are the farthest from the development front and thus have not commenced. They have been tendered and are proposed to commence in the 2017-2018 reporting period.
OMP-5	Commence offset area rehabilitation during stage 1 of the development with an on-maintenance period of 18 months. Each stage of rehabilitation is scheduled for completion within three years of stage commencement. After the completion of works, the proponent will maintain the offset area until is it ready for hand over and dedicated to Ipswich City Council.	Allotments 7000 and 7001 for rehabilitation met scheduling targets and are forecast to be handed over to Ipswich City Council. In total, 24.3 ha is currently protected (including Goodna Creek) with only an 8.5 ha (lot 7002) remaining which does not yet exist as an allotment due to the project not progressing to that phase and therefore there is no title in which to dedicate and apply a mechanism.
OMP-6	Publish the current OMP online.	The OMP was made available via the Woodlinks Village website.
OMP-7	Monitor landscape works until the relevant area is handed over to Ipswich City Council. Monitoring will include the identification of corrective actions required to progress the works towards the objective of handing over to Ipswich City Council.	The approval holder engaged a landscaping contractor to undertake rehabilitation and regeneration works in phases 1 and 2 comprising 8 ha. These works were under active management by the contractor with periodic inspections by a registered landscape architect and Ipswich City Council identifying the corrective actions. Corrective actions are issued to the contractor for remedying.
		Additionally, field ecologists from Saunders Havill Group completed inspections on 22 August 2017 to confirm rehabilitation and other



No.	Commitment	Evidence/comments/status
		improvement works.
OMP-8	All upfront costs associated with the weed management and revegetation of Goodna Creek will be the responsibility of the proponent.	Costs associated with the weed management and revegetation of the Goodna Creek open space area were, and will continue to be, met by the approval holder.
OMP-9	The offset area will be transferred to Ipswich City Council as part of their larger conservation land holdings.	As described in Section 4 Offset Actions, the offset area is made up of three newly created allotments, the Goodna Creek waterway and the existing Harry Ratnam Park (13.5 ha) managed by Ipswich City Council. At this stage lots 7000 and 7001 have been created and are awaiting registration with the Queensland Government title's office after which the registered title will be dedicated to Ipswich City Council. Lot 7002 is not yet created as the development has not advanced into this area.
OMP-10	Ongoing monitoring and reporting of works to assess the success of weed removal and control, natural regeneration and new threats that may arise. Progress the landscape works through the on-maintenance and off-maintenance periods in order to transfer ownership to Ipswich City Council.	The protected Goodna Creek open space area where revegetation works are on-maintenance was regularly inspected by a registered landscape architect and Ipswich City Council to review the success of works completed. As part of this process, the both parties provided advice and directions to the contractor on additional works required to achieve the off-maintenance objective. The success of landscape works was hindered by the heavy rainfall and localised flooding in March 2017. This triggered remedial works to address the damage.
OMP-11	Inform the public on the progress of weed removal and control and landscape works in the Goonda Creek open space area in a timely manner.	This Annual Compliance Report delivers an assessment of the progress of phases 1 and 2 of landscape works (weed control and rehabilitation) for the project and will be made available on the Woodlinks Village website.



Appendices

Appendix A

Lot 7000 operational works drawings

Appendix B

Lot 7001 operational works drawings

Appendix C

Lots 7000 and 7001 operational works approval

Appendix D

Lots 7000 and 7001 photos of rehabilitation works

Appendix E

Survey plan of created lot 7000

Appendix F

Harry Ratnam Park operational works drawings

Appendix G

Land access agreement

Appendix H

EPBC approval and conditions granted 4 March 2014

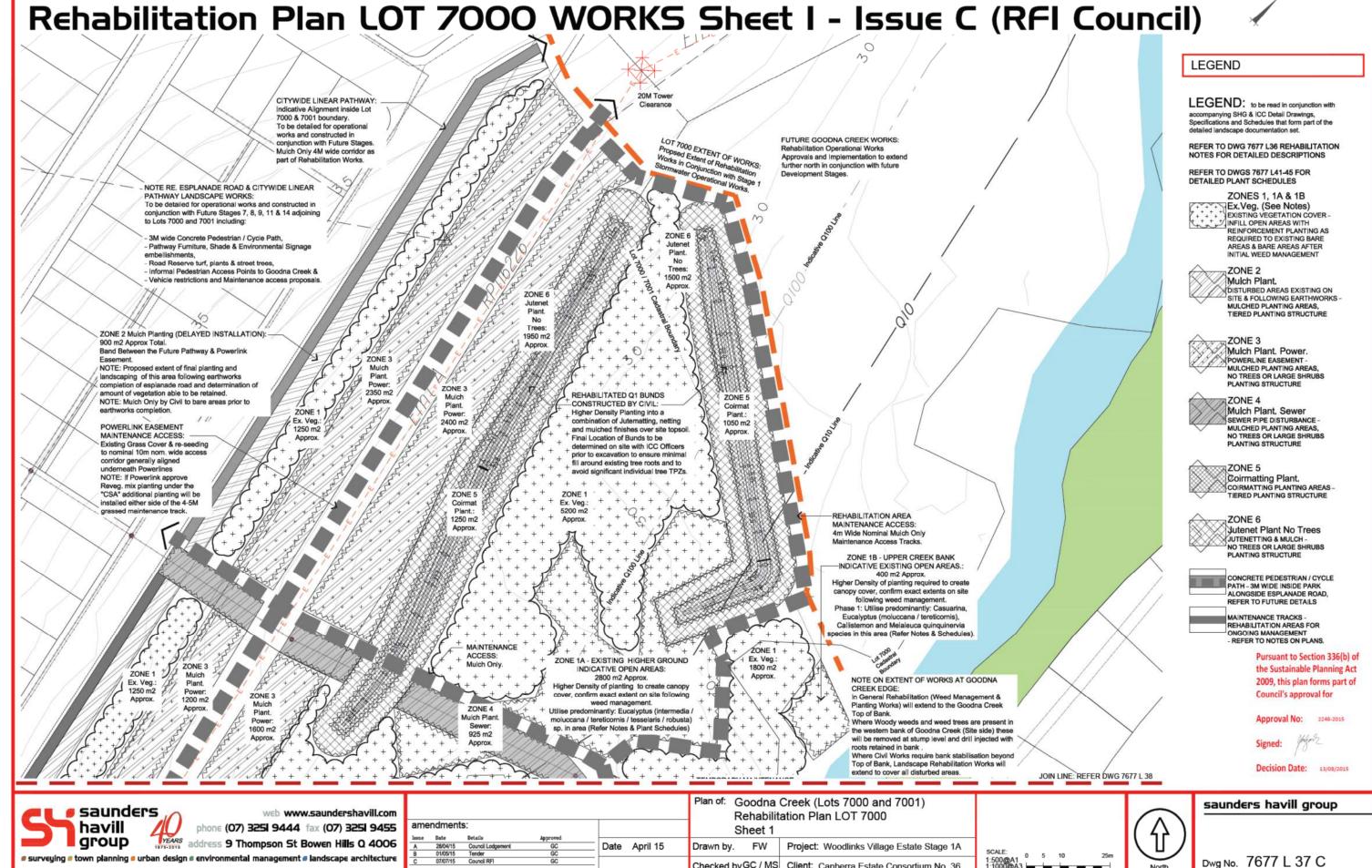
Appendix I

Lifestyle guidelines for Woodlinks Village

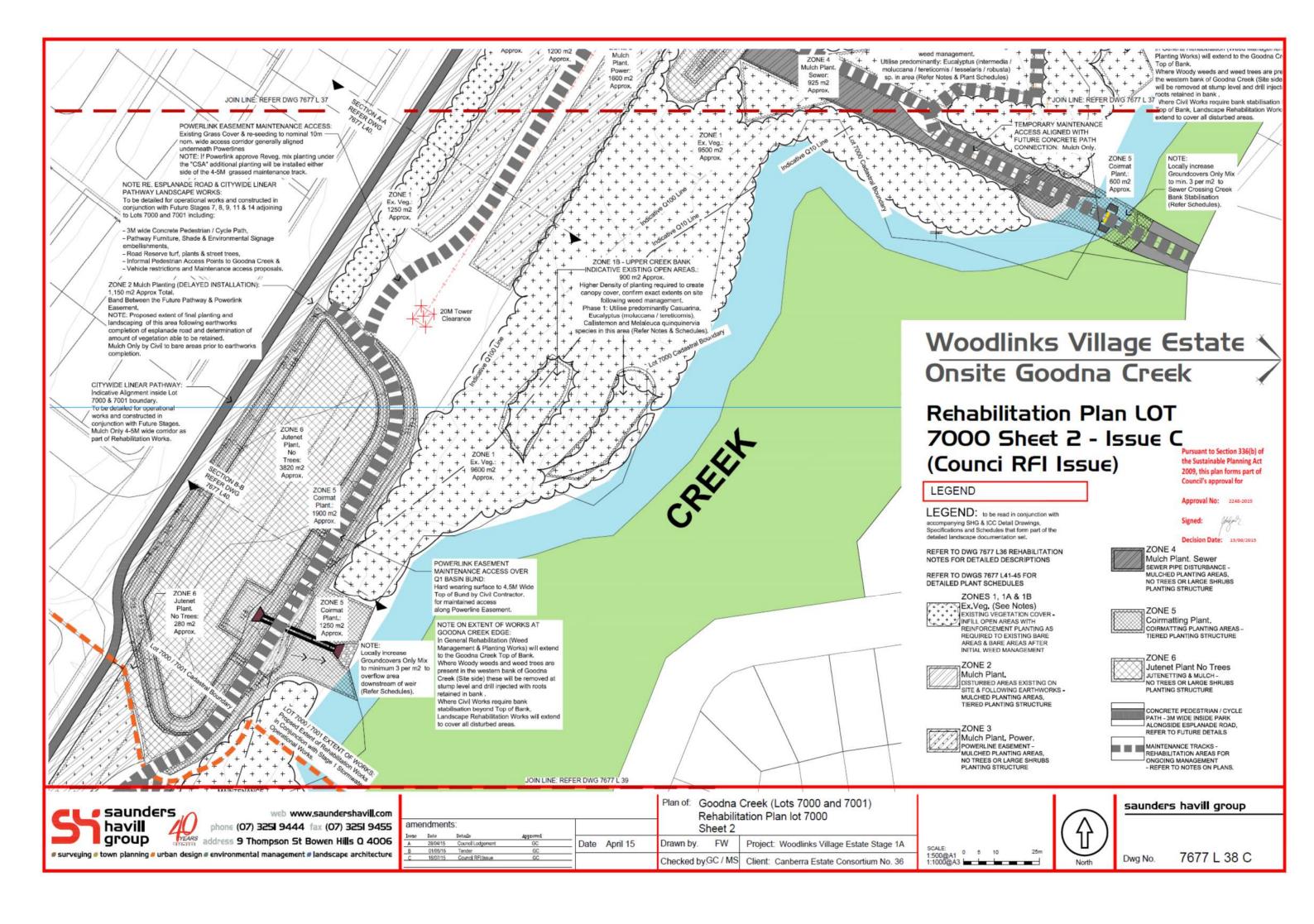
Appendix A

Lot 7000 operational works drawings

Woodlinks Village Estate - Onsite Goodna Creek Works

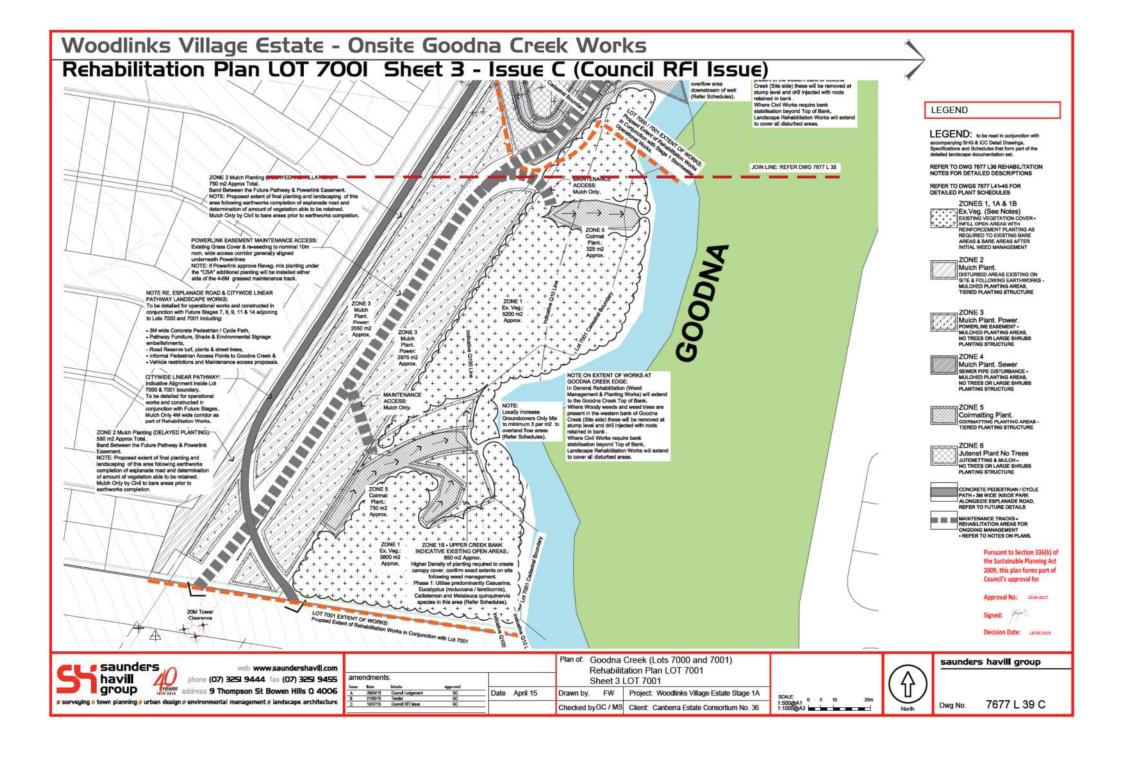


Checked by GC / MS | Client: Canberra Estate Consortium No. 36



Appendix B

Lot 700l operational works drawings



Appendix C

Lots 7000 and 700l operational works approval

Your reference

Our reference 2248/2015/OW:PC
Contact Officer Peter Clifton
Telephone (07) 3810 6828

Canberra Estates Consortium No. 36 Pty Ltd



Ipswich City Council

45 Roderick St PO Box 191 Ipswich QLD 4305 Australia

Tel

(07) 3810 6666

Fax Email (07) 3810 6731 council@ipswich.qld.gov.au

Web

www.ipswich.qld.gov.au

14 August 2015

9 Thompson Street

C/- Saunders Havill Group

BOWEN HILLS QLD 4006

SUSTAINABLE PLANNING ACT 2009

DEVELOPMENT APPLICATION DECISION NOTICE

Application Details

Application No:

2248/2015/OW

Real Property Description:

Lot 1 SP 266990 PAR GOODNA

Property Location:

246 Collingwood Drive, COLLINGWOOD PARK QLD 4301

Decision Date:

13 August 2015

Decision:

This application is approved subject to the conditions listed below

Decision Authority:

Team Coordinator (Environment)

1. Decision Details:

Development	Approval Type	Decision	Relevant Period
Operational Works Rehabilitation - Woodlinks Village Stage 1	Development Permit	Approved subject to the conditions set out in Attachment A – Assessment Manager Conditions	Two (2) years

2. **Approved Documents**

No additional supporting material has been submitted with this application.

3. **Approved Plans**

- (a) The approved plans for this development approval are:
 - (i) the plans referred to in the table of approved plans (including any amendments that are required to be made to those plans); and
 - (ii) where the amended versions of the plans referred to in the table of approved plans have been approved by the assessment manager, the amended versions of those plans.
- (b) The approved plans are attached to this decision notice at Attachment B.

	APPROVED PLANS				
Plan No	Description & Revision No.	Prepared By	Date	Amendments Required	
7677L30C	Weed Management & Rehabilitation Works Lots 7000 & 7001	Saunders Havill Group	16 July 2015	N/A	
7677L31C	Weed Management Plan – Issue C	Saunders Havill Group	16 July 2015	N/A	
7677L32C	Weed Management Notes – Issue C	Saunders Havill Group	16 July 2015	Amend in accordance with conditions 9 (a) & 10.	
7677L33C	Weed Treatment & Removal Strategy – Issue C, Sheet 1	Saunders Havill Group	17 July 2015	N/A	
7677L34C	Weed Treatment & Removal Strategy – Issue C, Sheet 2	Saunders Havill Group	17 July 2015	N/A	
7677L35C Weed Treatment & Removal Strategy – Issue C, Sheet 3		Saunders Havill Group	16 July 2015	N/A	
7677L36C Rehabilitation Notes 7000 and 7001– Issue C		Saunders Havill Group	16 July 2015	N/A	
7677L37C Goodna Creek (Lots 7000 & 7001) Rehabilitation Plan Lot 7001 Sheet 1		Saunders Havill Group	7 July 2015	N/A	
7677L38C	Goodna Creek (Lots 7000 & 7001) Rehabilitation Plan Lot 7001 Sheet 2	Saunders Havill Group	16 July 2015	N/A	
7677L39C	Goodna Creek (Lots 7000 & 7001) Rehabilitation Plan Lot 7001 Sheet 3	Saunders Havill Group	16 July 2015	N/A	
7677L40C	Goodna Creek (Lots 7000 & 7001) Rehabilitation Sections	Saunders Havill Group	16 July 2015	N/A	
7677L41C	Lot 7000 Rehabilitation Plants Sheets 1	Saunders Havill Group	16 July 2015	Amend in accordance with conditions 9 (b).	
7677L42C	Lot 7000 Rehabilitation Plants Sheet 2 – Issue C	Saunders Havill Group	16 July 2015	Amend in accordance with conditions 9 (b).	

7677L43C	Lot 7000 Rehabilitation Plants Sheet 3 – Issue C	Saunders Havill Group	16 July 2015	Amend in accordance with conditions 9 (b).
7677L44C	Lot 7001 Rehabilitation Plants Sheet 1 – Issue C	Saunders Havill Group	16 July 2015	Amend in accordance with conditions 9 (b).
7677L45C	Lot 7001 Rehabilitation Plants Sheet 2 – Issue C	Saunders Havill Group	16 July 2015	Amend in accordance with conditions 9 (b).
7677L46C	Rehabilitation Zone Notes Lots 7000 and 7001	Saunders Havill Group	16 July 2015	N/A

4. Referral Agencies

Not applicable to this decision.

5. Conditions of Assessment Manager (Ipswich City Council)

Refer Attachment A

6. When Approval Lapses

The relevant period for this approval is outlined above in "Decision Details" part 1 of this decision notice, starting the day the approval takes effect. This development approval lapses in accordance with section 341 of the *Sustainable Planning Act 2009*.

Should the assessment manager determine a new relevant period in writing, prior to the lapsing of this approval, then the use may continue for a further period of time, as specified in writing by the assessment manager.

7. Appeal Rights

Attachment C contains an extract from the *Sustainable Planning Act 2009* which details the applicant's appeal rights and the appeal rights of any submitters regarding this decision.

Yours faithfully

for Jane Kilgour

TEAM COORDINATOR (ENVIRONMENT)

Encl:

- A. Assessment Manager Conditions and Advice (Attachment A)
- B. Approved Plans
- C. Sustainable Planning Act 2009 extract on appeal rights (Attachment C)

Attachment A <u>Assessment Manager (Ipswich City Council) Conditions</u> Conditions applicable to this approval under Sustainable Planning Act:

Conditions of Approval

(municipal) works.

No.	Condition	The time by which the condition must be met, implemented or complied with			
1.	Basis of Approval				
	This approval incorporates as a condition, the applicant's common material (as defined in Schedule 3 — Definitions of the Sustainable Planning Act 2009) for the application and adherence to all relevant Council Local Laws and/or the Ipswich Planning Scheme (including Planning Scheme Policies) unless otherwise varied by this approval or varied by a condition of this approval.	From the commencement of the construction of the development and at all times thereafter.			
	Note: Any variation in the development from that approved herein may constitute assessable development pursuant to the <i>Sustainable Planning Act 2009</i> .				
2.	Minor Alterations	At all times of tauthor approval is			
	Notwithstanding the requirements detailed in this approval, any other minor alterations accepted in	At all times after the approval is			
	writing by the assessment manager will suffice.	granted.			
	witting by the assessment manager will suffice.				
3.	Development Plans & Supporting Material				
	The applicant must undertake the development	From the commencement of the			
	generally in accordance with the approved plans and	construction of the development			
	supporting material outlined in parts 2 and 3 of this development permit.	and at all times thereafter.			
4.	Hours of Construction				
7.	Unless otherwise approved in writing by the	At all times during construction			
	assessment manager construction works must only	activities and until works are			
	occur within the hours as defined in <i>Planning Scheme</i>	accepted off maintenance.			
	Policy 3 – General Works Part 5, Section 5.1.3.	decepted on maintenance.			
	1. Only 3 General Works Fair 3, Section 3.1.3.				
5.	Construction Standard and Requirements				
	The applicant must comply with the requirements of Planning Scheme Policy 3 – General Works of the Ipswich Planning Scheme when undertaking all public	At all times during construction activities and until works are accepted off maintenance.			

6.	Construction Pre-requisites	
(a)	The applicant must comply with pre-start meeting and construction pre-requisite requirements, including provision of relevant bonds and amended drawings, as detailed in Council's <i>Planning Scheme Policy 3 – General Works Part 5</i> .	Prior to commencement of any construction.
(b)	The applicant must take due regard of all existing services when undertaking works associated with this development.	At all times during construction activities and until works are accepted off maintenance.
(c)	The applicant must alter any services when the relevant authority or assessment manager determines that works associated with this development has an impact upon any existing services.	At all times during construction activities and until works are accepted off maintenance.
(d)	Any fauna exclusion fencing must be erected in accordance with the supervising spotter catcher recommendations.	Prior to commencement of any construction and until works are completed.

7.	Fauna Management			
	The applicant must engage a spotter catcher licensed under the <i>Nature Conservation Act 1992</i> by the Department of Environment and Heritage Protection, to assesses the site, supervise any vegetation removal and ensure that all native fauna including native bees have been identified, relocated and discouraged from returning prior to habitat disturbance.	Prior to the commencement of any vegetation clearing works.		

8	3.	Disposal of Cleared Vegetation	
		The applicant must dispose of cleared vegetation in	From the commencement of
		accordance with Planning Scheme Policy 3.	works and at all times thereafter.

9.	Amendments & Further Submissions		
	The applicant must incorporate or comply with the following amendments and clarifications:	Prior to pre-start Meeting or as otherwise stated below.	
(a)	The Schedule of Works Items and Sequencing must be amended in accordance with condition 10 of this approval.		
(b)	Species must be amended as shown in red on the approved plans.		
(c)	The applicant must seek the agreement with the assessment manager on site where dumped rock is to be used as an erosion mitigation measure.		

10.	Off maintenance			
	The following standards must be achieved:	Prior to acceptance of the works off maintenance		
	(i) A minimum 80% plant survival rate must be achieved;			

- (ii) The works must be weed free;
- (iii) The site the subject of the works must be free of any signs of active erosion and be adequately stabilised through planting and successful establishment in accordance with the approved plans; and
- (iv) The works must be maintained for a period of eighteen (18) months following acceptance of the works to ensure adequate vegetation establishment and stabilisation of the waterway.

Advice

The following advices are offered for your information only and should not be viewed as mandatory conditions of this approval.

<u>Assessment Manager (Ipswich City Council)</u>

SPECIAL ADVICES

1.	Bonds
	In relation to any bonds required in accordance with Planning Scheme Policy 3 the relevant
	Bond and Licence Deeds must be completed and submitted (as hard copies) to Council at
	the appropriate times. The Bond, Licence Deed and conditions of security payment can be
	found online atwww.ipswichplanning.com.au/development-planning/development-
	planning-information.
	Council's preference is for bonds to be submitted by way of a Bank Guarantee.

2.	Fire Ants
(a)	In accordance with the Plant Protection Act 1989 and the Plant Protection Regulation 2002,
	a quarantine notice has been issued for the State of Queensland to prevent the spread of
	the Red Imported Fire Ant (ant species solenopsis invicta) and to eradicate it from the State.
(b)	It is the legal obligation of the land owner or any consultant or contractor employed by the
	land owner to report the presence or suspicion of Fire Ants to Biosecurity Queensland on
	13 25 23 within 24 hours of becoming aware of the presence or suspicion, and to advise in
	writing within seven days to:
	Biosecurity Queensland
	Department of Agriculture, Forestry and Fisheries
	GPO Box 46
	BRISBANE QLD 4001
(c)	It should be noted that the movement of Fire Ants is prohibited, unless under the
	conditions of an Inspectors Approval. More information can be obtained from the
	Department of Agriculture, Forestry and Fisheries website www.daff.qld.gov.au .
(d)	The land over which you have made a development application is within a suburb known to
	have Fire Ants and as such is within a "Restricted Area". The presence of Fire Ants on the
	site may affect the nature, form and extent of works permitted on the site. In view of this it
	will be necessary for you to contact the Department of Employment, Economic
	Development and Innovation to investigate the site and for you to implement any necessary
	matters required by that Department prior to the commencement of any works.

No referral agencies are applicable to this application.

Attachment C

Appeal Rights

The following is an extract from the Sustainable Planning Act 2009

Chapter 6, Part 8 Division 1

Division 1 Changing decision notices and approvals during applicant's appeal period

360 Application of div 1

This division applies only during the applicant's appeal period.

361 Applicant may make representations about decision

- (1) The applicant may make written representations to the assessment manager about—
 - (a) a matter stated in the decision notice, other than a refusal or a matter about which a concurrence agency told the assessment manager under section 287(1) or (5); or
 - (b) the standard conditions applying to a deemed approval.
- (2) However, the applicant cannot make representations under subsection (1)(a) about a condition attached to an approval under the direction of the Minister.

362 Assessment manager to consider representations

The assessment manager must consider any representations made to the assessment manager under section 361.

363 Decision about representations

- (1) If the assessment manager agrees with any of the representations about a decision notice or a deemed approval, the assessment manager must give a new decision notice (the *negotiated decision notice*) to—
 - (a) the applicant; and
 - (b) each principal submitter; and
 - (c) each referral agency; and
 - (d) if the assessment manager is not the local government and the development is in a local government area—the local government.
- (2) Before the assessment manager agrees to a change under this section, the assessment manager must consider the matters the assessment manager was required to consider in assessing the application, to the extent the matters are relevant.
- (3) Only 1 negotiated decision notice may be given.
- (4) The negotiated decision notice—
 - (a) must be given within 5 business days after the day the assessment manager agrees with the representations; and
 - (b) must comply with section 335; and
 - (c) must state the nature of the changes; and
 - (d) replaces—
 - (i) the decision notice previously given; or
 - (ii) if a decision notice was not previously given and the negotiated decision notice relates to a deemed approval—the standard conditions applying to the deemed approval.
- (5) If the assessment manager does not agree with any of the representations, the assessment manager must, within 5 business days after the day the assessment manager decides not to agree with any of the representations, give written notice to the applicant stating the decision about the representations.

366 Applicant may suspend applicant's appeal period

- (1) If the applicant needs more time to make the representations, the applicant may, by written notice given to the assessment manager, suspend the applicant's appeal period.
- (2) The applicant may act under subsection (1) only once.
- (3) If the representations are not made within 20 business days after the day written notice was given to the assessment manager, the balance of the applicant's appeal period restarts.
- (4) If the representations are made within 20 business days after the day written notice was given to the assessment manager—

- (a) if the applicant gives the assessment manager a notice withdrawing the notice under subsection (1)—the balance of the applicant's appeal period restarts the day after the assessment manager receives the notice of withdrawal; or
- (b) if the assessment manager gives the applicant a notice under section 363(5)—the balance of the applicant's appeal period restarts the day after the applicant receives the notice; or
- (c) if the assessment manager gives the applicant a negotiated decision notice—the applicant's appeal period starts again the day after the applicant receives the negotiated decision notice.

Chapter 7, Part 1, Division 8

Division 8 Appeals to court relating to development applications and approvals

461 Appeals by applicants

- (1) An applicant for a development application may appeal to the court against any of the following—
 - (a) the refusal, or the refusal in part, of the development application;
 - (b) any condition of a development approval, another matter stated in a development approval and the identification or inclusion of a code under section 242;
 - (c) the decision to give a preliminary approval when a development permit was applied for;
 - (d) the length of a period mentioned in section 341;
 - (e) a deemed refusal of the development application.
- (2) An appeal under subsection (1)(a), (b), (c) or (d) must be started within 20 business days (the *applicant's appeal period*) after—
 - (a) if a decision notice or negotiated decision notice is given—the day the decision notice or negotiated decision notice is given to the applicant; or
 - (b) otherwise—the day a decision notice was required to be given to the applicant.
- (3) An appeal under subsection (1)(e) may be started at any time after the last day a decision on the matter should have been made.

462 Appeals by submitters—general

- (1) A submitter for a development application may appeal to the court only against—
 - (a) the part of the approval relating to the assessment manager's decision about any part of the application requiring impact assessment under section 314; or
 - (b) the part of the approval relating to the assessment manager's decision under section 327.
- (2) To the extent an appeal may be made under subsection (1), the appeal may be against 1 or more of the following—
 - (a) the giving of a development approval;
 - (b) any provision of the approval including—
 - (i) a condition of, or lack of condition for, the approval; or
 - (ii) the length of a period mentioned in section 341 for the approval.
- (3) However, a submitter may not appeal if the submitter—
 - (a) withdraws the submission before the application is decided; or
 - (b) has given the assessment manager a notice under section 339(1)(b)(ii).
- (4) The appeal must be started within 20 business days (the *submitter's appeal period*) after the decision notice or negotiated decision notice is given to the submitter.

463 Additional and extended appeal rights for submitters for particular development applications

- (1) This section applies to a development application to which chapter 9, part 7 applies.
- A submitter of a properly made submission for the application may appeal to the court about a referral agency's response made by a prescribed concurrence agency for the application.
- (3) However, the submitter may only appeal against a referral agency's response to the extent it relates to—
 - (a) if the prescribed concurrence agency is the chief executive (environment)—development for an aquacultural ERA; or
 - (b) if the prescribed concurrence agency is the chief executive (fisheries)—development that is—
 - (i) a material change of use of premises for aquaculture; or
 - (ii) operational work that is the removal, damage or destruction of a marine plant.
- (4) Despite section 462(1), the submitter may appeal against the following matters for the application even if the matters relate to code assessment—
 - (a) a decision about a matter mentioned in section 462(2) if it is a decision of the chief executive (fisheries);
 - (b) a referral agency's response mentioned in subsection (2).

464 Appeals by advice agency submitters

- (1) Subsection (2) applies if an advice agency, in its response for an application, told the assessment manager to treat the response as a properly made submission.
- (2) The advice agency may, within the limits of its jurisdiction, appeal to the court about—
 - (a) any part of the approval relating to the assessment manager's decision about any part of the application requiring impact assessment under section 314; or
 - (b) any part of the approval relating to the assessment manager's decision under section 327.
- (3) The appeal must be started within 20 business days after the day the decision notice or negotiated decision notice is given to the advice agency as a submitter.
- (4) However, if the advice agency has given the assessment manager a notice under section 339(1)(b)(ii), the advice agency may not appeal the decision.

465 Appeals about decisions relating to extensions for approvals

- (1) For a development approval given for a development application, a person to whom a notice is given under section 389, other than a notice for a decision under section 386(2), may appeal to the court against the decision in the notice.
- (2) The appeal must be started within 20 business days after the day the notice of the decision is given to the person.
- (3) Also, a person who has made a request under section 383 may appeal to the court against a deemed refusal of the request.
- (4) An appeal under subsection (3) may be started at any time after the last day the decision on the matter should have been made.

466 Appeals about decisions relating to permissible changes

- (1) For a development approval given for a development application, the following persons may appeal to the court against a decision on a request to make a permissible change to the approval—
 - (a) if the responsible entity for making the change is the assessment manager for the application—
 - (i) the person who made the request; or
 - (ii) an entity that gave a notice under section 373 or a pre-request response notice about the request:
 - (b) if the responsible entity for making the change is a concurrence agency for the application—the person who made the request.
- (2) The appeal must be started within 20 business days after the day the person is given notice of the decision on the request under section 376.
- (3) Also, a person who has made a request under section 369 may appeal to the court against a deemed refusal of the request.
- (4) An appeal under subsection (3) may be started at any time after the last day the decision on the matter should have been made.

467 Appeals about changing or cancelling conditions imposed by assessment manager or concurrence agency

- (1) A person to whom a notice under section 378(9)(b) giving a decision to change or cancel a condition of a development approval has been given may appeal to the court against the decision in the notice.
- (2) The appeal must be started within 20 business days after the day the notice of the decision is given to the person.

Appendix D

Lots 7000 and 7001 photos of rehabilitation works

environmental management Annual Compliance Report





environmental management Annual Compliance Report





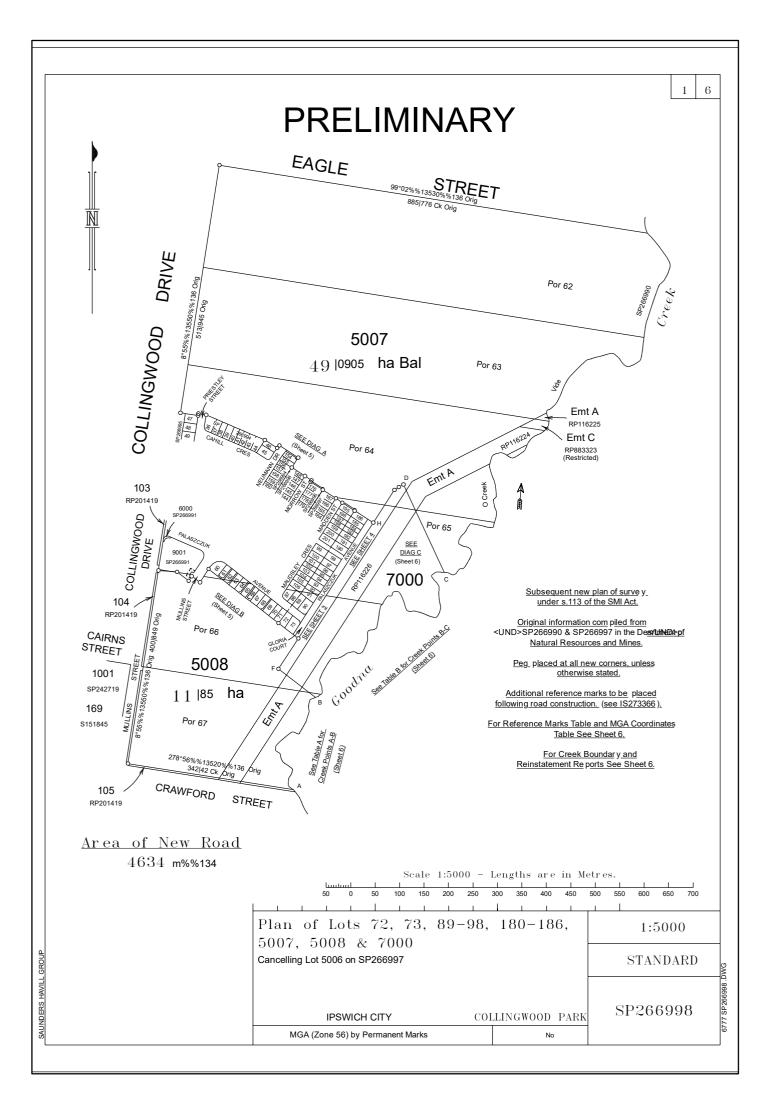
environmental management Annual Compliance Report





Appendix E

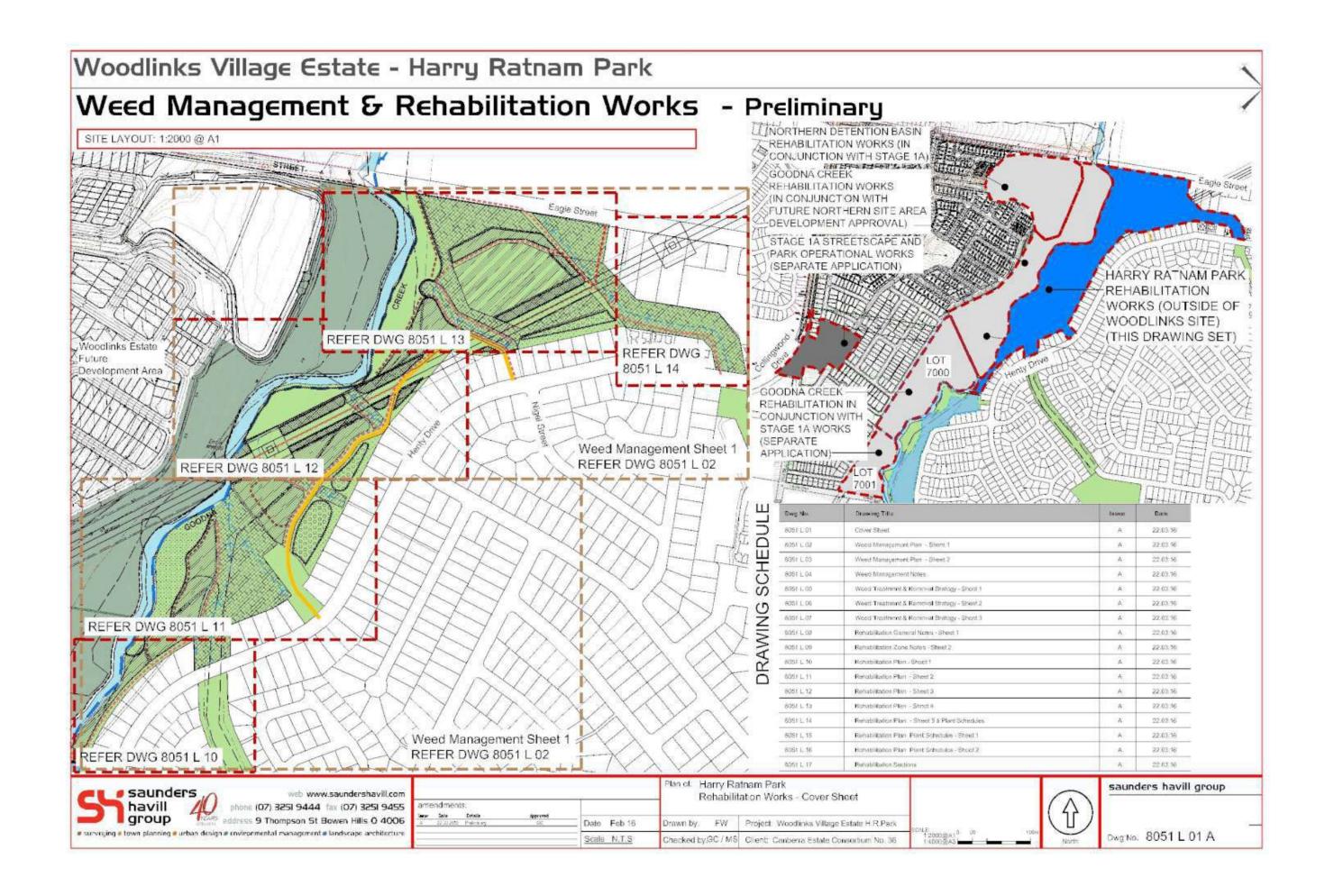
Survey plan of created lot 7000

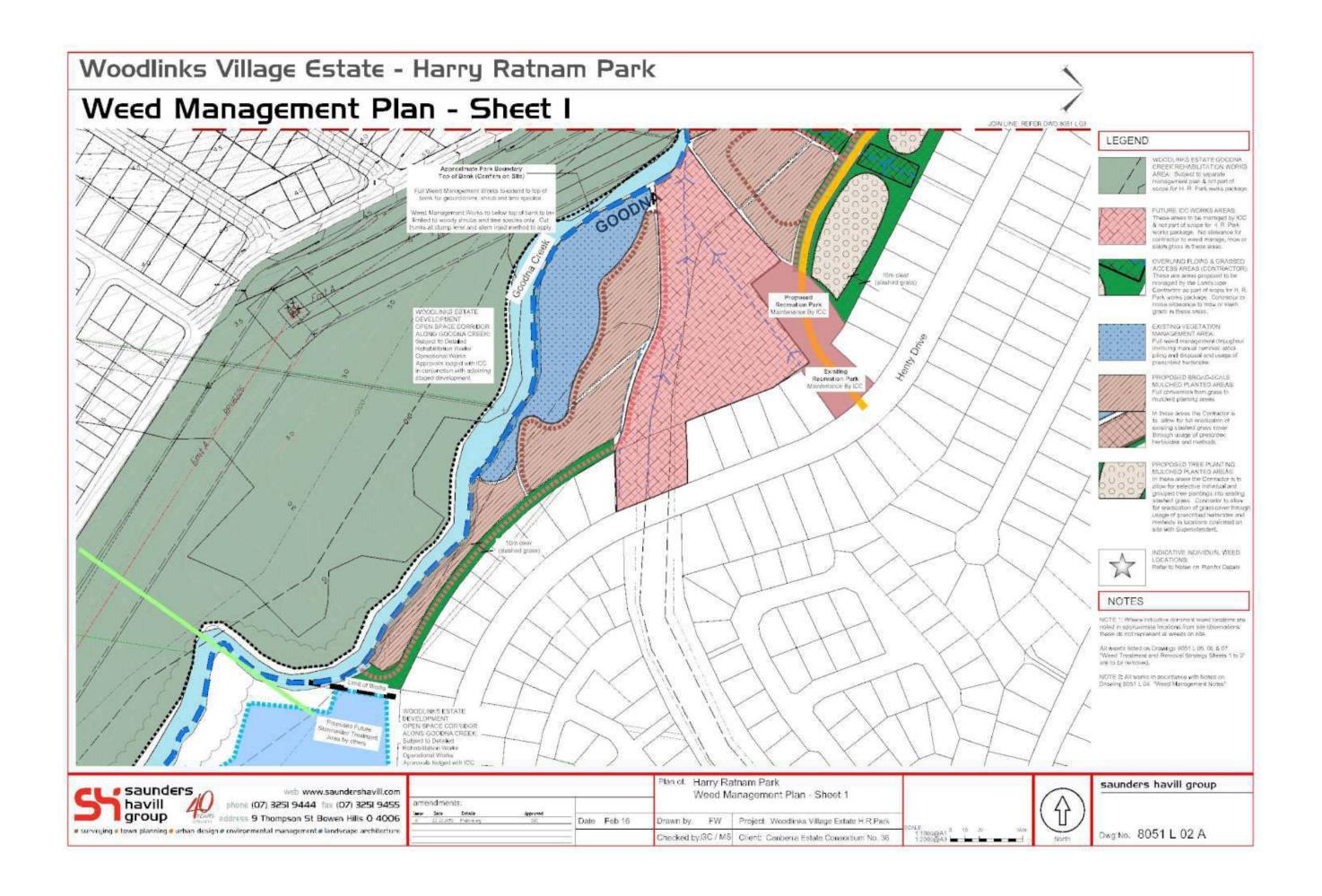


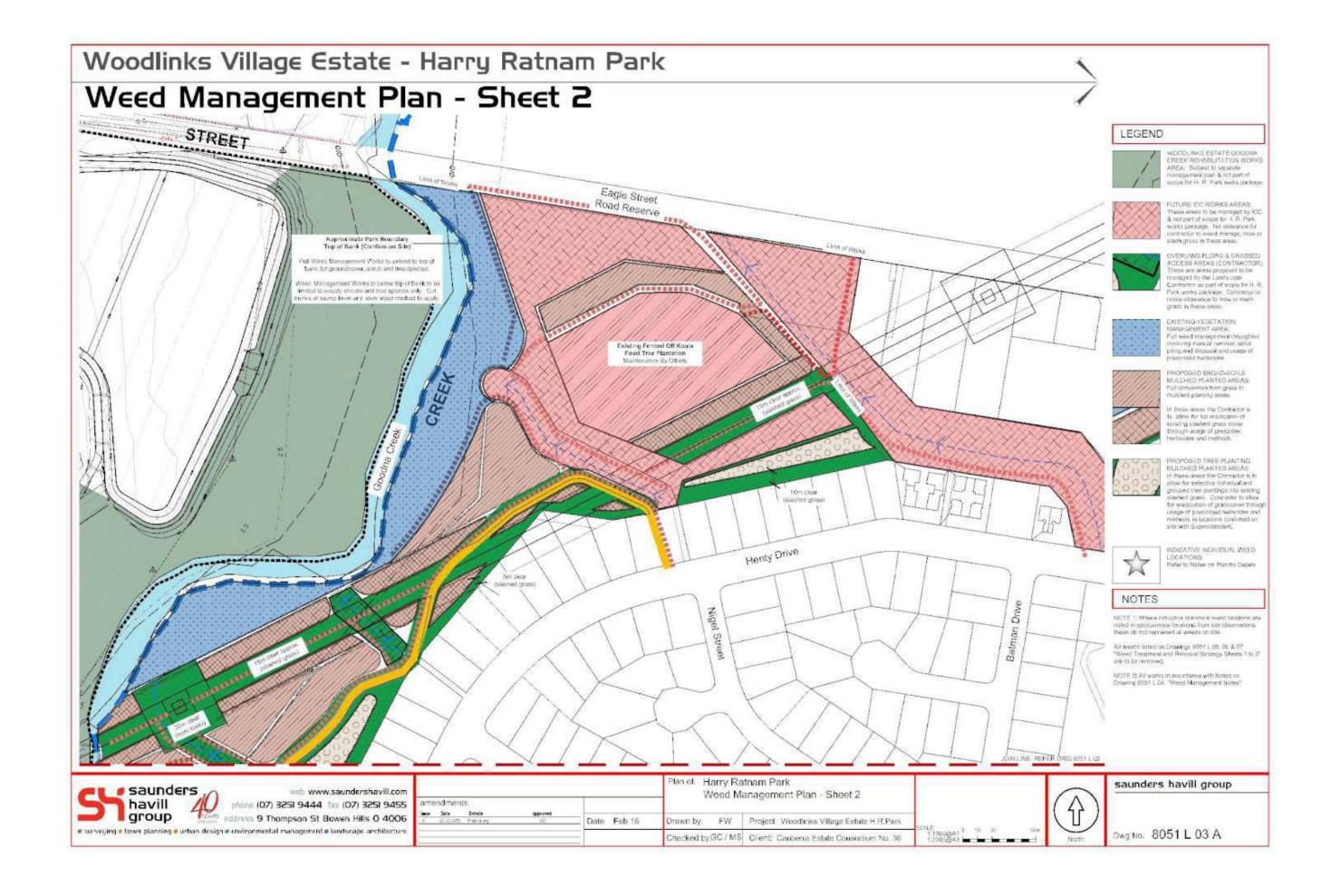
Appendix F

Harry Ratnam Park operational works drawings









Weed Management Notes

NOTES

INTRODUCTION
 The Saunders Handl Group was engaged by Carderna Edale Consortum No.36 Pty Ltd to prepare this Rehabilitation and Weed Management Plan povering the proposed Rehabilitation worse within Harry Ratinam Park, adjacent to "Viscotinis Vitage" residential edate.

This Rehabilitation and Weed Management Plan will aid to enhance the natural vegetation through extensive wood management, selective infill planting and natural regeneration.

Native species should be identified and tagged as required prior to weed removal and throughout the maintenance period. This is to ensure maximum regarentation and reducing likelihood of accidental weed spraying to native virigitation. Regenerating species to be troated and maintained in a similar manner to newly planted revergetation futurelated.

Primary Wood Removal Stage - Consists of the initial wood removal / beatment of site woods (a the methods detailed in this Drawing Set. It sessentially involved the manual removal, stack siling and disposal and initial usage of prescribed herbicides staged over a 2 month period-minimizing possible ercsion issues. Additional notes below include.

- Implemented weed control method according to this Rehabilitation Plan.
- Program timing, primary weed removal phase is considered to be completed when all existing weeds within the designated Park have been removed initially. Bitch the secondary phase and the primary phase of weed removed consumedly in different such a measure over time. It immay weeding methods to maintee.

 1 MONITORING AND REPORTING PROCEDURES
- A key map is to be provided logging the progress of areas from primary to secondary phases of weed removal and areas of rehabilitation as part of the reporting progress.

Secondary or Follow-up Weeding - for parkland areas will involve the quarterly inspection of areas having undergone Primary Weed Removal and treatment of infestations or outbreak as required. Additional notes below

- . Implemented weed control method according to this Rehabilitation Plan.
- Program liming, primary weed removal phase is considered to be completed when all existing weeds within the designated Park have been removed initially. Both the selection primary phase of weed removal can occur concurrently in different voich reads over time.

 Management and concurrently in different voich reads over time.

 Management is no view for weed expectation, respectation, respectation, respectation, and respectation.

 Management is no view for weed expectation, respectation, respectation,
- A key map is to be provided logging the progress of areas from primary to secondary phases of weed removal and areas of rehabilitation; as part of the reporting progress.

Maintenance Weeding Phase - final stage of weeding which occurs in areas where the majority of weeds have been removed and treated. Maintenance weeding continues to remove additional outbreaks but also allows for the tostering of natural regeneration and regrowth seedings. Additional notes below include:

- Implemented weed control method according to this Rehabilitation Plan.
- Program liming, primary weed removal phase is considered to be completed when all existing weeds within
 the designated Plank have been removed initially. Both the secondary phase and the primary phase of weed
 removal can occur concurrently in different work areas over time.
- A key map is to be provided logging the progress of areas from printary to secondary phases of weed removel and areas of rehabilitation as part of the reporting progress.

Method	Desirytion
Deg	Face it suitable consenur and remove forming.
big	Dig and review (does not him matter your spiles) Remove note or whele plant in hardworms and only.
Head-Pull	 Enrouse holds from ground by hard flurate? Applicable to brill inflatiblets of client of developmental servicially distributed processor and, when from one breeding, or getting of insurance disposal. Enflation when see a hold.
Besel Bark	 Require updated on of horbidity death (generally in a death like on a better of some investigate), packing profit levels Marable for wall strategy above growing levels Marable for recover areas for glow and applicate to the observior instance of death
Cut-Stone	Cut over up to 7.5m high as large and apply appropriate hertalate our larging a water is agent selber trial; (30) seconds.
Foliar Harbicide Application	 The fit is approximation or main groves, team, distanced supportantial care auting a mentalise consistency. Experimental consistency or if finance of target species (may be endocramment, by white variages species). Involves distals of forthcode in water or discount the latter a new matter or continuous.
Some Reject	 Shelid for a see than from the personness used and otherwise excepting both and prends company count with someoning. In the case (bits, 401 loses at 500m counts, accord the writer state and transductory specificaptions of the best between the careful to lose operations.

NOTES

	 "In titing" recritates a similar process out subjects the tree to consider the inclusives our injury that may easily in a time that is similarely under not suitable open cases are as
Scrape and Paint	 Remove exten bask to reveal combium layer and early appropriate horizontal exchange broth. Applicable for thirm you send rubers by "Apricines confidebo."
Machanical	Indiana the tunnel transferring (e.g. Brack date: Chamava, Scalae: Beers, Beatron) Statistical last large definitions and world lines. Brack or enforces that may be a modification of site of maintaingmans agriculation of the original transfer and the statistic products of the statistic prod

- . Class 2 pests are established in Queensland and have, or could have, an adverse economic, environmental or
- The management of these peaks requires coordination and they are subject to programs led by local government, community or landowners.
- . Landowners must take reasonable steps to keep land free of Class 2 pests

- . Class 3 peets are established in Queensland and have, or could have, an adverse economic, environmental or
- The primary objective of Class 3 listing is to prevent sale, therefore preventing the apread of these peats into new areas.
- Landholders are not required to control Class 3 plants unless their land is adjacent to an environmentally significant area. (Extract from Department of Environment and Resistance Management website).

Refer to Weed Management Techniques for detail and specifications on removal / beatment of all wood apocies in accordance with the QM Harberton List.

• On Maintenance specific

- . Review of the pre-established performance indicators for measuring the success of the weed removal and
- . Ensure level of protection for existing identified native vegetation inclusive of that which has naturally
- Mostor the rate of assisted regeneration and revegetation of destrable native species promoted in areas.
 Where weeds travel been removed.

Monitoring is required for weed eradication, revegetation and assisted regeneration.

NOTES

MONITORING MILESTONES

Pre-Start Inspection - On-site meeting prov to the initial conv Contractor and Council to confirm weed treatment areas and clarifi rement of work. WW involve Consultant,

On-Maintenance - At the completion of the Primary Weed Removal Stage and any required resegutation, an On-Maintenance meeting will be held to inspect the works on-site or relation to the approved plans and previously agreed on-maintenance criteria.

Q6-Maintenance - Al the completion of all alle weeding works and the agreed maintenance finalizance a final respection will be held to determine if works have been completed to the required level for completion. The completion of orgoing maintenance duties during the maintenance period will be critical to enable "Off Maintenance" to be achieved.

4. BENCHMARKS

This inhabilitation and wood management plans alms to approve the fixes and faunt value along the Crool condor through weed removal and promoting native species growth. To ensure clear and teasenable residences from the proposed the following tree-lessedows of works in to be conjunction with on and off memberation.

EXISTING VEGETATION AREAS:

- On Maintenance requirements
 - Secondary weed removal completed
- 10% or less weeds present on site
- Any additional revegetation required has 80% success rate

- All required planting completed;
- Max. 10% plant failures at time of inspection

- Plants extabilished and generally free of weeds

NOTES

5. RESOURCES / ROLES & RESPONSIBILITIES

All resources required to implement this <u>Rehabilitation Plan</u> will be provided by the proponent. The following roles are applicable.

PROPONENT

- . Ensure all consultants, contractors, sub-contractors or others utilizing the parkland area are aware of the
- Appoint appropriate occaultants and contractors to undertake works as prescribed on the drawings and conditioned by Ipswich City Council.
- . Provide security via an uncompleted works bond and maintenance-bond for the cost of works if required.
- . Cover the costs of all necessary resources to ansure works are completed as per the approved documents

CONSULTANTS

- . Brief proponent on their requirements in implementing and maintaining works as per the Rehabilitation Plan.
- Attend pre start, on maintenance and off maintenance meetings.
- . Undertake monitoring and reporting to Ipswich City Council as set up by this document
- . Be available to respond to technical queries to the approved documentation when on-site conditions require
- . Lisse with Council throughout all stages of approval, initial works and maintenance of works

- . Provide technical expertise via commentary on the approval of documentation.
- · Altend pre-start, on and off maintenance inspection
- . Undertake random inspections through the Secondary weed management and Maintenance phases.
- . Reduce and release securities held against works at the completion of successful releations inspections
- . Accept and review quarterly reports as dictated in this document.

- . Complete works in strict accordance with the documentation
- . Recommend changes to the documentation when specific experience or on-site conditions require so.

SUR KEY TO WA	ORK ITEMS	-	Wast Manager	M/S	- Stranscon - 10	Swil Propagation	and Wulching		Contract of the Contract of th	Planting Works		SECRIFICA	Yeatering Men	tomg and Fits	parting			
		WHITE			5200WG			SHAMES			NUTTINN			WINTER			SPORNG	
	Mooth 1	Worth Z	Worth 2	Moeth 1	West PSROE Weeth 7	Hooth 3	Moeth 1	Moeta Z	Morth 1	Month 1	Month 7	Month 1	ONO.	Month 2	Month 3	Worth 1	Month 2	MICE
eres i	Pre-ella I Innelina Countril Commedian and illuperimendum	Weed nanoceneral http://down	Hards spreading and Are made are charles	Water-ip and Vertileth a and imposting (mraginost	Water I cand Very levery and reporting Streeghout		Mor NAY is and respective desprising to replacement	Morrisologi sed regarding		Professional for delicing to footback more promisional	Motto 2	Marki serig para Hag seless	Maritin E	aom 2		Make Halping	Musikery is replacement plants only.	Maria Topio plant
WEEK)	Helid weed management works was a wold remova- tencement agents	Sui Proparation and authorise	Habited regeneration paying pracing for electronic to	Week Transport and a specific sin capital	weight new or stack, in oth is associate we instantion to an	monappment inneckdown spray" in material stress		Noved mortagomeni rotation happeyten more district	Media management relation fersions aprophis	Myed might perment fetation "Back down Aprophia" mad the cleasur		efficial escription ordinactions tracedown appropriation of the control of the co			Wasel microgriment receion Receiodes Appropriet microgriet microgriet microgriet	historial reponentian stanto wood manage fund	Wyell monage mans innochte wir ching' to sauch was to wends	
WLEE 3	Word management worth removal to hand	nopolition and meeticoon	Planting 2.18 National	Waterd Transported	Replacement of haled Mores	Per atoment or Falled Parks	Verzial openeroken planti weed managemen	Natural repotention plant: word management	Replacement of Patrick Plants	in charta respectations posits wood management		tross trosyc pring				Reploanest arrand Plant	Replace Times of Fallod Microsci	798 298 2109 7109
VYEEK A	When an reprinte- stanting of maintenance annes paths	MURCE MURES ARESI MR		Danes Uningenera- stating of mandatance access y after	Arred throughteners stanning of marks arrow stanning bullet	Aveal New operand or standing of maintenance poting pulse	A text Management placking of matthmatics process paths	Novel Maring description stable and a stable public stable public	Ween to Number of States of States and State	stanting of maintenance		ore no Management - mattery of mailter area across paths				deployment on ever Promi	Management of stooking of municipance	nias mak



nendments:			Plan of: Harry Ra Weed Ma	tnam Park anagement Notes		
	Tale 22 (0) 2016	Detaile	Approved GC	Date Feb 16	Drawn by. FW	Project: Woodlinks Village Estate H.R.Park
					Checked by GC / MS	Client: Canberra Estate Consortium No. 36

saunders havill group

Dwg No. 8051 L 04 A

Weed Treatment & Removal Strategy - Sheet I

Atri	Usering	Cowner and communication	Sidinggrai	Michig	-Diame	Life Webs	- Book Cherrotal	Chemical Cours
		Married .			1000	& Burle	Code	
	(/ichena/iran	Lamen demons	-12	495	6	80	Snedhigs mand put	Readings CSAP (F1.5); Drude transitist spray USDI or on John and Joney Segment CSDP in replaces gon large I per Site It parts in the apply only many plant in
2	Алмарсов	Exects a harmfula (generated hall)	- 56	160	4.1	3/0	Bookings, Hami pail	enswers and decrease and fill Strade. CSAP or FA (G1), Sendings: CSAP (G1.5) or open, GSIC and 1).
j.	Crosswitzment	Eryophy turn cologs erect	1	38	41	teo	Hond p.II and	Plantinia specy G200 + MM
ě.	U/great access	(consider a one in citi (consider a one in citi	. 5	*	47	3,999	depens laboral closes or dig or, bog and language	in EMA (ver it). Howeverth and tuberhage opens (5-100 + MM) or F (00 to it).
	Disselector	Amedera zordinka (madera) kinc)	. 3	16	41	310	Small Virtie & Telegra H and pull. Regional dispose	Accessing Observe 1984 (UL) Twhom greep, accessed and paint (OL), Care, mill admitsion to spray 1923 or C250 + Mild paint.
Œ.	Агратарисевя	Априодъл в Совил (ветуто (в) подведен, порягодня эте!)		36	4)	Aid	dig out much and dispress of all for all council small and council small and council small and council small undrogoust stem	furnospyr (ARI pla 26 II. rol. (Arisis furnosco
7	Unitacase	Cella simena (Claruse	1	19	4.5	10	sensor who sould	Sampledia: glgrussa
		rells)					nect pull nortige set a mail	(Miligil.) @ Janikise at 1 mi per 2 cm of hole or
							exclings combine deping burning and controlled graping for large environments. Treedings inten-	
ě	Laterage	Campion laurety	,	98	4.5	100	freedings (ten) put	Replage CSSP (CF.1) here: 1.5 (CF.5) or St.5) or CSP (Cf.5 or CJ.6) share apon 1 common). Availage apon 6200 or CCC+ MM
Ħ	Anacarbacese	Ornal of poperand	1	49	41	.00	Seedings: National pail	Septings, CSSP (01.1). Tress F7 (01.5) Sordings: apply GMC (eff.)
	Motorcaceae	Saliena ndesti (salima)		57	4.0	Hat	Mechanical receil records of service and state in a service and se	Actually revent calls are substantial and confidence in adjournment of 100 feet to 15 parts 15 parts from the manner, dispart (respirate) \$5 parts 150 feet in 1500 feet in 15
11	Cidiomhicosas	Caberdo carrímaca (caberda, funcció)	Æ	.32	42) (41)	Machanical removal of social adoptations	2, 4-0 ft - Ar _a t Caster (routiber Virte Sprag): (g 12, 50/4), pector (see 14.2, 5or
Ø.	Attelaceon	Chrysland emoides mentifers subsite instancete (bride beach)		23	4.7	810/1	16%	egginus com garde). Score: 6.62 or 7.6 (G1.6); U. chee: eping or cut direct and applier regions. 10:100 or
111	Contedications	Eletrornia crossipos poster	4	а	45	HACE	Mechanical	Mid (ref. 1) Wellers by st. 7, 4-3 and (AP
		fryssioth)					range of equal infestations.	100) © 1 200 with warm Acadia Aveno glycheoliti @1-1 it Citt water (see yet it for application goals)
14	Acanthocsas	Hygrophila costata (Glash	. 3	3	E.	HoF	Hand pull amail	Glyphin sto toown to be
		need)					electations, Can be controlled by plenting competitive native species	effective Expective Incident to social in waterways so EPA should be consisted below spraying (ref 4).
	Graces	(Figurium), exturcitive proct)	3	8	41	tio	Sheekings: Henry pel	Supplings (LASE) or CAT or S1,0 and Cat theses in CS1 or S1,0 are claimer or Shindlings upon shall or Cato - May a other neighbor or Landard
16	Anteracese	Splagnificula Mobata	-	16	4.0	1073	Hand p.II	or Campton Laure, are proper Stand p. 1 ancies apoly 0200
	1000000	(Singapore dalay)	-	- 10			Act of Landson	+ MMA (helf II)
17	Arteracese	Agentas aderophosis (crofter wavd)			43	3823	it dy	Open MM or (2000 et (700) MM in other weeds sect as Lanceta et Camphie Laurel
*u	Vertienaceae	Larlary overlendered core: ping larkangs	1	102	4.8	aro	I se andre met rais, al contri	are provided (or fi) input from this may, physicism 10,721 water new form methy 18,9100, water, make fair methy is gaphican 170p 100, water Rosel mate lesi, timby of day 15,51, December 10, and applicati- tion of the second of the case Statistic Co. synthesis Statistic Co. synthesis Statistic Co. synthesis Statistic Co. synthesis provided the second of the case Statistic Co. synthesis second of the case provided the second of the case statistic Co. synthesis second of the case provided the case provided provided the case provided prov

19	Facecoae	Neonotonia wightir (ptycine)	3	16	4.7	HIA	164	Vines CSSP (1.1.0) or spray (7.00), VM or SIM (M1.1)
	PORCORE	Person maximum (seem persolad garee (pass)	18.	а	44.	IDA	itent of medium call renoval of small relations.	Sonia: oppnesses 30 131-01 Main (nf 2.)
	csemme	Eigenhaussinerse (Caroline provid)	4	11	84	TE	Sentings were put	Skelings Crisin or CAT 951-0; These Filipet by Schrillings apply Vittler COV - MM Bibbler vices such as belong or Camptor Label
z	Delmicore	Octorial serrolatic (octoria)	7	32	40	9/0	WA	we present net to Sharms CSSP or SSP or PI ACA No. Scottings mad Region to spray CSSD + MM or MM. Tillar basis basis P100 or CSSD + MM (set 1)
23	Acquigation	Asparages self-lipicitic or reprinted preparation ground length	5	×	45	HAD	Tig out smooths: points and dispract of all the representation of the control of	Soot spay nethal transcript #00 gruip 10 giper 100 L water pap wetting
24	Раксия	Specifical promities and U. reference (part residual granes)	- 6	72	4.8	146.7	Hatch or mechanical removal of small infostations	Small intestation is uptay glyphosate go thm. I. water, fluproparate go thm. I. water amic water go thm. I water berse infestation; blanket spraying go phases in Julia. Buproparate Julia get go.
	/a/uracuou	Agestifica riporta (mostfraviro	5	30	46	90	Hard put and long foldy	Reproposate Autoriget to Spray GroC or MM put 1)
25	Asc epiadrosae	Anuja sercitos mobinos	3	50	-Cit	WO	Sectings & Vines	Vines, C98F (01.5), Scorlings, riprity CP00 or SEXXX + VM or Mild (left t).
24	Cassuare	chyppyrum daggementorum v B dologoomic dytaid melnos of military	li .	Tis	401	363	riand pull and dispose	Providens, spray static + Mul or Mul (set 1)
26	Carrier Millionic	Introduction (mic-a- minute)	T	56.	44	WO	Vince & Rancos hand put, roll up and hand up to dry	Vinculated Districts COAP (CH Sq. Larger Stems, Roots, yand Modern Implay CHOO + All (will ft)
29	Sager due sons	Cardiouxionae grand serum (balloon whet)	7	-31	4.4	WO.	Sectings & Small Vines: 1856 Hall	Starra, CS&P (G1.5), Seconds or Smith Week lightly G300 to G300 + MM err 1)
m	Acceptations	Cryptendagis grantifora graticos unos	6	10	44	W	Scattmojed or months-arealty (sestations: Vinera (casible, reposito) austraciciose to grandinale is vociminancial	Foliar spray: Foliar-up boain team of thimperior spray in necessary with inclopy: + ps.b.am; in micro 101, Grass-up, etc.) @ 0.35-0.5 L.1130 L. valler
31	Раукансисная	Rivera burn to dividy pupper)	6	- 61	4.8	40	Hamiland and long 10-day.	Spray G100 (ed 1).
32	Posciele	Spantous de area grasmatin grass	5	ना	45	PPL	morphiscal emoval of small residences	Small interstations, spans, openiously of their in word for openiously of their in word for openiously objects. It this objects and objects are objects and objects and objects and objects and objects are objects and objects are objects and objects are objects and obj
31	Polecost	Specification \$1000.gg/set or accordance grave;	9	297	48	190	Hand or mechanical emoval of small orestations	per at introduction apply expensate of familia water flag country of 2011, I water and were of familiaries Dose whatefore, blacked represent of account. It the
31	Planesage	Elegania umula (Alta un Iolográna)	y	31	4.5	TPU	Chapted out leviture help bosen. When I happing out the journ commit start the historic memoral provides and provides and provides are the provides and provides are the provides and the colorest memoral the cold shift because the provides and the colorest memoral first largered first.	Represents 30/to (vd 2). Gryd transfer (XXX) (xxx) or 5 W inferthere (vine (XXX) (xx) (XXX) (xx) (XXX) (xx) (XXX) (xx) (XXX) (xx) (XXX) (xx) (XXX) (xx) (XXX) (xx) (XXX) (xx) (XXX) (xx) (XXX) (XXX) (xx) (XXX) (X
3fo	Asteraceue	Esperioceans sprantitiones (Genegal Isa)	3	£	A.F.	129	page part material ma mosted profit log, page in surright to of the burnar dispose of at a council approval from to the	Chyphosete and metsulknon- methy: @ 15ct.UL-water

36	Amea Baces	Allemanii esa philicaerooes (aligator weed)	17	3	6	Hat	plant should not be	Tenentinal plants over stessarum methyl
							athripped	(StudioRk) = Initif. reneric writer is digith; i militariorism writer or lingship; water i finitif non one; wetter i me feeting plants. Glychosole (Roorish) Decrives 10 milit
37	Рави Ясок нае	Passifion suberosa (con- principal cony)	8	100	4.2	490	N.A.	Stems: CSSP, Seedings S. Doprovin spacy C200 or G200 + MM (vil 1)
34	rowceae	tie ns minuton (mousses grass)	100	1/	4.5	FIA.	running or moving	
30	Aristoloch sesae	Andolochia orogani (Dolohimusis gloc)	8	30	4.2	90	Stons: Hand pult; Fruit: Bag and remove.	Stema: CSBP (31.5); Seedings: spray S200 or CD00 + VM or MM (et 1).
40	Conscionations	portrop into a gater montrop gatery)	5.	24	4.5	V/O	Vines and	Vives and Reserves. CBSF national Larger Sterns, words and Bodes: spray G100 + M or F160 grd 1)
41	V mas acrase	Loss aem -esco ephila (bus: aem)	6	14	43	9TA	Small parts fund guiltz mac lumbus strowe	Premission Control - Brasil Rar application, Including 190gst. personen troops, as follows, desired Sample as Topological - personen troops, as Topological Roberts are soon technique roops in sections troops (as 200mst, per 1000, water Comitanation of Linemond and
42	Posicioni	Backstonella sara	6	18	4.4	Нал	Gazing	mento Harticide Control: Fulfar
2		gratis)						application (Pospical to phyphosole 350g/L of 200es, foll, water, Lotter phyphosole 350g/L of 9.0-io, topogum phyphyside 350g/L @ 100.100L valer (refs)
45	2	Forst ferris grants witherroad)	88	7	4.4	相無	most politing cutting and digging with must lives effective	N/A
44	Pinacione	Pinus elliplii (staris pinu)	4.	22.	43	TW	Seattings Hand put Explings and Trees, cut close to ground at ring-base	Signings and Time. Fit (Ch.) convergittes having penetrated (ed.1).
45	Clessolphicacoam	Service perduta ver glateata (Eustes cuesta)	7	33.	42	570	Seedings Hand pul	Struck: CS&P or F1 (C1.5); Scendings: spacy C200 or ESCO + VM or MM; enriest and bag medic (of 1).
析	Deletrove	Contr. gryans (Stoom gazs)	97	- 95	45	HA	Hand pullingums removal and digging of larger	Formy dyserosate (i) tirroca water
47	Direction.	Rejophyllum ponuturi	6	17	42	40	Hand pullano	Prometry sporty G200 i MM
40	Asteriore:	(resurrection part) I attherwise tryst-systems (partnerwise weed)	6.	34	45	611	dispose teste pailing of small areas is not	or MM (set 1). Epict spray 2,60 are no 500 gC g) C 4 Letto L
49	Caspictolisacede	Capaneer (uneycodile)	n	9.	4.5	60	our amount of vises and Stances, hard put on up are saight dy	Ones and reunners. Color (G1.5). Larger Sterms. Books and blodes: spery Color i Mi or MM (with).
20	Acastronic.	Thurcogla risks place	n:	29	4.2	900	N/A	GSAP put fig openy, G200 or
56	Facucion	myec susani Macrydillum alsopurposani	8	30	42	ViA.	N/A:	CSUD + VM (VB 1). Vines: CSSP (1.15) strape
50	Resource	(site(s) Folias (rilpic (s) (yri swinery)	*	36	41	SiO	sliciting haders growth, gateg some control if plants are system better they seed	Gran + war or state (est 1). Granus: DS ps: instantantic (eye, 1.20) push water + selfon; agent
533	Columbia	Glorias в сфино (дилу Ну)	3	.35	4.1	WO	NA.	Vicing Shoots, spay G200s G200 + Vint, Dest regular in Outfloorand by using Puber its curfurnit (ef 1)
56	Vestion account	Pryfacures, and doput Condenine couch	3	4	42	HatO	a contined approach of different control indirects and incommunity chemical with sinc management purificus is most encome.	Fallar sovey 600 g/L prohoping sg 5 min/1 L well or 2.440 aminor (500 g/L) + 1 mmp or (g/2.441 amin 145. crop of
50	Solaracese	Scianum seabilit ianum	8	79:	4.	VIO	Hand pall	Spray G100 (ef 1).
56	Acase	(Forestee ougresshoots) Problem stratectors (yealter untries)	0	8	4.1	HarOF	Mechanical servini (Elimi) intestators	Gyptosiato 360g/L (2-5- 1,31700), wolvy one or Princi organizacjić, sp. 61700, with or 50 100,814 (sweepel 2), ko oppication codes
ST	Агрепци им	Aspragus plunoses procurgus tray	*	8	45	VVO	Rhizones (rown and rangitodry	Resources going and paint (22.5) tileass want up and spray or cull high and low as spealy injured to Extensive Case + with part 1).



amendments;		Plan of: Harry Ratnam Park Weed Treatment & Removal Strategy Sheet 1					
A 22.01.2018 Preliminary GC	Date Feb 16	Drawn by. FW	Project: Woodlinks Village Estate H.R.Park	ne			
		Checked by GC / MS	Client: Canberra Estate Consortium No. 36				

AS NOTED

saunders havill group

Dwg No. 8051 L 05 A

Weed Treatment & Removal Strategy - Sheet 2

58	Commitmetwee	Tredescartie furnirens's (Old use T. albitore) (wandering own	5	9	4.1	HIO	740A	Spray F150 (as per label) or ISS00 or G200 + MM; Collect and bag or roll and take
129	Solataceae	Castrum penga (graen	it	36	59	19/0	Seedings Hand	ceretify. Dispose (ref.t). Stems. CSSP (G1.t), or sprey
60	war and the same of	Sense septembonate	6	25	4	90	pull	G100 (wf 1). Shrubs: CSSP or P(1/G) 5):
100	Causalpiniacasa	(arsens bush, was S. forbunds)		-	4	20	Seedings Hand pull	Seedings: sprey 0200 or 0200 + WM or MM, collect and bac seeds (ref.t).
01	Holaneceae	Solenum meuntianum (wild tobacco tree)	.11	30	-4	D/O	Seedings Hand pull	Stepbs, CS&P (G1.6) or RR (G1.1.5). Seedlings: upray G000 (ref.1).
62	Аросугаревя	Catharanthus roseus (pink	6	22	- 4	50/0	Hand pull	Spray G100 (ref 1).
63	Passiforaceae	partwrick) Passifore subpetate (white	10	80	3.9	Wo:	Starrs: Hand out	Stems, CSSP, Seedings &
64	Pabacese	pession flower) Description uncirulum		14	4	HA	Hand pull or crown	Regrowth: splay G200 or G200 + MM (ref 1).
94.	Tages ent	(sävetesf desmodum)		14			and dispose	CS6P tuberous roots (G1.5); sprey G000 or G000 + MM or MM; collect and bag seeds (ref.1).
65	Poscese	Malinis reports (red Nate) grass)	10	134	4.1	HW		Spray Fluoriko-F 212g/L @ 2L/Hz, Glyphocate 360g/L @ 1L/100L water (ref 2)
en.	Луттрізавасівна	Nymphone contribution octop conciderencia (blue brus)	£.	17.	i#.	HWOF	Hend pull small infactations.	Sprey with or Dispat Glyphosete. Occurs in waterways, thus EPA should be notified before any herbicide use (wifit).
67	Onagracose	Genothers durimondii	3	17.	- 4	160	Hand pull	Spray GHD0 (ref f):
60	Télecses :	eutrip durringed (beach evening principal) Triumfatta rhombordes	7	44	A	HU	Hard pull	Spray G190 (ref 1).
	ACCOUNT OF	(Chinese born					100 HZ T 100	
69	Haloregaceae	Myriophyllum aqueticum (perret's feether)	2	16	*	He/F	NA/A	Spray: glyphosate 360g/L @ 100miL/10L were (ref-1).
70	Panni forecese	Passiflow forbids (striking pession flower)	7	90	7.3	VID	Hard Pull	GSKP (G1 &: sprey G390 re: G200 + MM (ref 1).
71	Autorocom	Vietes na ancelloides (crossitiosed)	Y.	34	4	ни	Vines: Hendpull and remove: Runners: Roll up	Stems: S&P (GJ); Regrowth and seadings: spray 0200 or 0200 + WM (ref 1).
77	Poscese	Prespeture mendocanum	3	- 15	4	HA	and hong to dry rate	Spisy G000 - resistant to
73	Precese	(broad leef peopleum) Peopleum dietatum	10	30	29	HA	Hand pull or dig up	sweeting strength (ref f) Spray G100 (ref f)
		(peopelum gress)						
74	Ruppiaceae	Rupple maritime (see tessel)	2	8	4	Half		Spray G100 (ref 1).
7%	Arecacese	Syngrus romatenthase (queen palm)	49	10	3.9	TJG.	Seedings Hamif pull or crown, Trees cut below growing point.	Trees FR (Of Sr Seadings spray GDD0 + MM (ref f)
76	Process	Hymenachne angleole sale cs: Olive (hymenachne)	17	t	*	HalA	a combined approach of different control methods including mechanical, chemical and biological with land management practices is cross effective.	360 pt. Diyahesare (includes Recindup Bectife & Weed rector Dud) - 1 LT 031, water or 13 Una declared by secon
#	Astronom	Sersors teholdes (Carary creeper)	3	0	4	wo	Vines: Hend pull and remove: Runners: Roll up and heng to dry	Sterns, S&P (GU); Regrowth and seedings spray G200 or G200 + MM (set 1).
79	Foocese	Centhus cliers (bulle)	4	15	4.1	H/A	Hend or	Herbicide Control
		grass)					mechanical removal of young plants	Olyphosate 7mL/L water, Deblobenii 600g/100m2, Fluszfiop 50-100mL/10L water (ref.2)
711	Acontraces	Thurbergle granditions (thurbergle, blue thurbergle)	2	3	67	WO	NA	CSSP (G1.5): sprey G200 (re- 1).
80	Coctocine	Opurtia torrontosa (vefet troe peet)	В	45	39	9/0	Biological controls available cartotilents cacterism successful Machanism control difficult. File can be used:	Spray, Basal Bark application Reaction: Teclogyn: SL/ROL dwisel. Pictorium + 1.000. datast. Ambolie: Terl/Scrit (in 3)
#1	Euphoroscene	Ricesus communis (castor oil plant)	(K)	50	3.9	B)C)	Seedings: Hand pull	Strobe S CSSP or Fit (Cit 5) Geedlings spray CO9 (will 1)
82	Asterionne	Serecio madagescarieros. (Ser weed)	0	29.	3.9	HU	Vines: Hand pull and remove; Burners: Boll up and hang to dry	Sterns: S&P (GU); Regrowth and seedings spray 9200 or (G205 + NM (ref 1)
tra	Сурежини	Cyperas inscharafus (African audge)	ú	14	34	Halof	has been compared to be due out with a space and the entire plant terms over according to the first and over according to the plant are of arms perform the plant are of arms perform the plant are obeginately observed.	Aquatic areas - Dyprocest- ign - Land-commercial relative, rights of way - Oyph coate-ice gyphocete-max, makepyr

04	Admicrat	Telephone of the of the Office can surfaced	- 5	11	5.9	#0	26/4	Stems, C552 (31.5) or cit and stray regrowth and addings (G100 SNM) (lef- ty
96	FORTH	Security optional Att Scratts All that proper operation		-0	3.8	HVA	Hardwille de ar	Spray G106 (12.1)
30	Artistatam	Donatica da phraticaja darkon otko baski	.10	10	2.1	prov	(non softings) War Lives Eulterin	Tarrer strahousie (5 1,700) rath word, in agricultural acceptor (4,70)
17	PLKER	Sphera detacty is	9.	76	3.7	HW	cucodia be seed. Hand put of	Spot Spots physicals or 3.3
40	Sienzhmaceae	Dissensiand bose : partilipadina tracumbina disense		12	31	T/O	Cultivation Factors using at	DPA (set 5) postures
		ocist;					drose offentations on grating land, busing followed by and appearing a an enterior matrios.	ronagiculters (Anti Parsopert Otarine 2006) (Q 1.5 L Tork 100 L idead
20	PLACE.	Pagagam ool flum (hilfs) 2007	*	- 10	3.0	Hin	Hand miller 50 ap	Retay 0.198 (15% h).
20	⇔darm:	Departic menancians (Stocking fee sear syst or, Wildows)	7	8	*	90	consister codestants substantes	Early Easy Ham ages de- rection for got 82.00. door Februari - closer " max
							IN THE STATE OF TH	
**	75,807,98	"A spelute coopugation. (Secold im great)	*	-96	311	140	Child ferfore commen	Tiper Class: Skirtwise in 2.3 13°A (vel))
W.	Uning terses	Hidago beografensis ("gloge)	1		4	EVID	Hand pulls mall infertilisms	Devidings, Folker spray of dispertion, Formar print, and stricking with committee and phases out of one apublished or Bankey on and "Brown proposed with visitor and proposed with visitor and problems and other por Ti.
10	Bolengocot	Swarum (orum (ook) (%)	*	38	3.8	8/0	Scotlings: Harris put	String CSAF (C16) or Fu 6011-81 Stedlings (Disp C300 HTF1) States CSAF (D18)
54.	Concentant	Capacitino pocationo printro pomorana		-28	3.0	£.V(0	Boso hoose. Bog and remove.	Stand CESP (D.L.E) Bendangs open G200 (F BOOK + M.D. (EMM (F# 1)
-	THE R.	"erwiselich angeren det Dweite toche	1	19	3.8	1972	1 (440) 17140	Start Long Systemic SEZ/ ESFA spictor
16.	Verbinsonal	surers early (streets)	h	14	-3.6	111761	THE TOY LEAD!	Happer Vittle (1987)
87	ET DE-CREME	Total Committee (201 234 Yorgon resture 201	*	**	264	3.00(1)		Tiposy school not replace bette focus species per S.
18	Рисуопыния	As about week of a thereafters	*	18	3.7	V/C	Tubes: Digus.	Tube a Super G208 or 6-208
940	Police	Sympton despites (Lac.); Barrano oracs introduced Left visit)	10	e	3.6	HOA.	leverand remove Head residence in November of Trans- ton small or with	- Mill or MV (see T) Server discharate © 2:Onc. 152, w. he. F; it, w. op scree (sel 3)
100	ili gravitació	Tissing that globerado	-	10	3.6	890	much ren	States CESP (S1.1) is spray Case Soret, rowert top an
10:	90000000	Philipp elogic motion (melon	1	- 16	38	1070	Geodings: Hand	Suprings Code (Cr. II)
		northern)					pot	To go 70 (G1.5), 000 Bings const 2000 or 0200 - Bill or 819 (66.1)
102	Ushukacese	Marrie palce - parcies.		· ·	340	Ties	rain.	I harboom. History synthamine (KK) all 1 in Lina Belween's copie (K) according to the properties of larger. Car amount for the page of the control of the copie (K) and the
100	Spendokon	California (or System control(d)	3	0.00	3.0	HO	Tava	Same P100 in G200 in G200 - M10, Culturb and Colors in Hill at directly blankfully. Disease
100	Source and	Padveria coe lina (careen)	3	11	+	740	Seedings Hard put	Name of the Property of the Property of the Property of the October of the Octobe
100	(2mmarapia	Frade scrible zerobio (z der dus	1	ų	71	но	1915	come CBC and 1) Setty ProCor CBOO or CBCO - Min Codoct und bog plins or direct contable. Or good
106	ADMINISTRA	The RE & MICROS RECOMMEN	· K	16	331	140	tava.	60° 1). Tigany Alina + 900 (90°).
107	POKEN	доябая. Эконовіцю санфорітиня		12	3.8	HW.	Hand Full	Sport Sprag: physicians or 2.3
100	Jan	(hitorogram) Litura formo sarsen (Tanan)	0	- 11	3.8	100	Hand policy street	CPA and 3s Spray G100 + Will as MM and
100	Ashericasi	Ry) Significación printals; Jodian weeds	10	146	3.6	HAL	and dispare Hand puller subsetion	f). Spray with 2,40 arries; or sodium, pr MICPE + dicambis.
110	Automore	Sicking prints to book is 1906	10	16	3.5	140	Hard jacks to Braken	64/3) Spray with 2.4D arress or scribing at MCPA + dicember
.10	Dollar We	Dp.rft. ski_fafterningn _nch coet	3.	U	3.6	9/0		(w/ 2) Syrar, Good Bart spake day, traction Tot spre. 82/00, dated Philosoph "hotopy" 12/00, dated, Amiliose for Jers and
112	THERE	Steel and Selecting		.50	35	A ROA	that sect drip. Ideplace with further schick	Tiproc dystromin or you're a govern
113	FIRST	Augreous compression (- 6	25	3.6	HAC	Cut otama Rom	Tipo: agray with Shipherann

135	Latinstican	Salma cucci na (nel cultura)	,	4	*	1910	errane antill e cus by higher or specifies	Associt arress (discrete, observed, analysis of serverse), analysis of serverse (also need darres) of cardinal descriptions as the serverse (AF-102) @ 1 part
115	Assessmen	Ageintum houseleaves	*	81	18	198.0	199	in 19 parts keresase Signey CROC or hand pull and
116	lify section	(blue billygood wood) Punfurn goupes and Pigernesson (voltav guzzo and offers indica guzzo)	*	Ť	1.7	3740	194	aproximation: GTLD pet 1). Eleute. CBEP or FA (CI 5) in optio G289 + NV or MM. This based been FTRC or (CR88 + MM (us 1).
117	Francisco	H, but self-balos (Mbali ny blackbery)	5	22	3.6	SiO	protein global grown, global some protein if priets are straked before they growd	G som 05 pictoramino per 1940 pons unter 1 senting agent
118	Mynocest	Eugenia unitara (Braditari denny)	×	19	7.6	550	944	Stores: CAP or FR (C1.6); Eastern approy or C3 down and open, regreath CHSC or SMA C of T).
1100	Oliactoo	Ocu nerquaec idiw)	2	6	49	TVA	Scorlings Hand 3-8	Soplings: CSSP (C1.5), County Fill (C1.5); Seedings: laptay Wold or CCD; • MM that 1)
120	Foatcoo	Brichiola droumtere (signal grave)	36	34.	1.6	HA	Stating	Hordicide Control Foliar application (Congressis) physician and Congressis (2) (11/11) (11/11) (11/11) strychol and 20 (11/11) (11/11) Hundigum pyphriusis (2015) (11/11) (11/11) (11/11)
tan	Labriceus	Diglos edited scates	4	4	5.27	11/5	1404	Types, COSP (T.1.5) of spray
122	Commellocene	Commercia pergnolensis	4	7	2.6	190	Collock and Eag	G100 - NW or UNL (ul 1) Spay 5200 or G200 + NW
123	Floativae	Italy sendeng jew) Penasetan papansan pikulan, gasal	*	,	15	110	Unaprigner moderical terrorid	947 1 36A (142)
eu.	Эторынасын	Hindy ram (workings) (wild groger)	*	y	A'K	1983	Famous Plants Hand	Clima Pratti spay (1700 or (1200 + MV, Lago Pratti ral and gray regrest). If decimes are a ground level can also all groups finds (11 horsinds S1.5 with reporter
635	Phyto-possess	Phytologes oxtancis	10	50.	3.4	160	rianc pull of constr	At prevente (w" 1). CSSP (G1.5) or GSP (G1.5);
126	Antipactoree	Address custowa po	9	43	24	590	Sercipal, Grash	specy Chill (et 1). Silent and/or specy GFDS (et
127	Selaraceco	lycomfrodisimum introvinumom)	177	5	4.47	50	1405	Stone: C&P (C1.5) Regrowth spray COST 1 MM
120	IA подавляде	Prostęce polida (dynasta)	2	2		550	Other using sections of a section of the section of the section of the root squares (about 31 cm subset). If this is not	not 1. Basic bask - cloppe + pickers Accessed ig 1 dill closes Accessed ig 1 dill closes Cut shares be oppr + pulsean Accessed ig 2 480, decid County in pickers Chaces 200 ig 350n/1000, voting pick is voting pick in voting pick in voting pick in voting pick in
79	A rest rate	Jean Macha Jime	-	y	7	HWFO	arroad, re- unseling car- scoat.	growing accepts Fort many with Digitalists,
		aishi						2,2 NA or MCHA + ocurries and 5
130	Cartician	Opusto curori ata (1904 (1941)		2		50	Stringtod control) worldow controls controls Mediantes commit Strutt. I concern to use.	Spray Bacal Bath application layers on Tribago III 63 discolt Ashaum + Tribago III.631 discolt Ashaum Intu/Somiad TI
101	Francot	Arundo donae splant reody		*	1.6	190	Physica temogratical interesting	f Epot opray in cut stamp and lapray with Olyphococc and for
tio	Cactacroe	Op. other other one pour page 1	1			100	ere fabre. controlled to controlled successful. Window lear controlled different Fire con	Tipure: Janel Dark replication Investiga Truloppe (E.S.), diccel Pictorani e Telepyr (E.S.) dicsel Apriliale Tratification (E.)
50	Digronacivae	Pyrostegia venusta (fizire		1	4	WU	Select No.	COSP (GLL), spray CORP (w
134	Pagecod	Contational (contational (conta	5	¥	3.9	190	Small Plants: 6g all by hand or	Stores CASP (S. E.) or cut back and sleet and spray
	Bonner on a trous	Solarum Negotum (year)	*	25	2.6	50	muchine rhaci pali	regioner of 00 per till Spay 3100 per til
135	Softe acess	Secretary Security Se						
135 136	Agentices	Freche Artiste (Carson	16	4	4.35	5006		CSS D mon general or syray.
		opoul is fig)	N T	4 2	4.35 A7	5/04 5/04	Tig can by need on explaine Tig can be coved as madeline.	

saunders 👝	web www.saundershavill.com
havill du group	phone (07) 325I 9444 fax (07) 325I 9455
group Trans	address 9 Thompson St Bowen Hills Q 4006
surveying stown planning surban desig	n ø environmental management ø landscape architecture

amendments:		Plan of: Harry Ratnam Park Weed Treatment & Removal Strategy Sheet 2					
letter Date Details Approved A 22.03.2018 Pre-initiary SC	Date Feb 16	Drawn by. FW	Project: Woodlinks Village Estate H.R.Park	nc			
		Checked by GC / MS	Client: Canberra Estate Consortium No. 36				



AS NOTED

saunders havill group

Dwg No. 8051 L 06 A

Weed Treatment & Removal Strategy - Sheet 3

130	Butaceae	Muraya pariculata ce. Funitin (muraya)	- 5	25	0.5	3/0	Seedings Hand pair	Streetings speny (200, ports)
	Boxon	States divodos (R Bultonus complex; a btantany)	£	19	3.7	SADA	states, tindes growth, guest sure, surely if paints on outset before they seed	used to control this species relating get %
	экток жезе	Caste ecentive (American (sea cicket)	-4	24	3/	. 1500	deli oy	Spray S100 and replace with local opecins (sel 1)
	Saturnina: ele	Impetions watercane dualsam)	2	·······································	33	160	No.	Uplay 1/800 (ref %)
iah:	Agrancine.	Agric shoom (65.6)	. 9	A	37	SKW	flig out by hand or machine	CSA Placor ground an spray. MM (our t)
164	Agrictor	Agov vapom ver waxon:	7	3	3.5	SKA.	Figure by randor macrine	1218 if near ground or narry VM per fit.
140	Rosana	Franciscontraction (#1) good (8/1)	- 2	31	3.7	SW	Southings Hard pair	Steple, CSAP or F4 (G1.5), Seedlings: spaw color and 1)
19h.	Postrac	Firmaction cost-got dumy are gracio	4	M	30	. bik		Spire sproying with Chyprocedu or 2.2 DEA (NET)
a.	Auteraceae	S piedago camadonsis van nezenni (Cirsanian gordeninos)	7	-15	-19	HO	Hand pull and hand limity	Spray WM or 0200 or 0200 + VM it offers sensits stufflus: Lentania or Camphor Lauren are passent (of 1).
idi:	1 stocown	Processor (Codes (Kordino)	-3	- 4	21	V:00		Chian fair he spent that the
1881	ALTHOUGH SY	Soptials promossivar platyphylic (sagittana amounce))	N	7	AS	HARO	Physical removal of small infestations	MM (set it). Sport Spray with Dispressible at 1.0L:000L water (set C).
56	Nymon seed near	Numphine resistant (yel-tw-stalle by)	2	-24	3/	HMON	Hand put small misslature.	Spray with or Diguill Chyprocate, Occurs in waterways, thus LPA should be outlied before any locate on use ports)
51	Poaceae	Phylostechys auto- disagoin nombooy	1	2	5.7	3/0	NA	Stern od aid fill segment (C1 fill Regnarth spray C10 (el fil)
50	Euprottscine	Actuaria gosoyalicilo e oton-empryse nut, befiveche bush)	1	1	5.7	5/0	Hand gull	Spray 0100 (lef 1).
67	Volvenor	E-contempola (Fasty's factor)	9	69.	36	601	Hond pill or dig	Sperty With 2.440 into the fleeting of the fle
NE.	Poercor	(grader grass)	- 8	25	3%	FiA	Host pie or dry wit	Spot sympton with Styphosate or 2.2 DFA (left)
56	Poaceae	Andropogon wiganic as diclada y alas)	-6	38	36	FA		Spot a proving with Glyphiciate or 2.2 DFA (ref.)
56	Sponsore	Discounties (Common School grecontrols)	4	2	54	110	Southing, Hand part	Suprings, CS&P (G1.5), Troos. Fit (G1.5): Specifings: spray G200 (ref.1).
10	Acarmacoso	Autresia ortholox (squiretail)	2	•	4	30	Hant pill smit mestations. Can be controlled by parting competitive native species.	Expressible Enter to be effective Updates known to scor in waterways. DEFM thoughts contacted before spraying in underways (set 4).
	Vimsacox	Aracia bolisana (Bolisan eutre)	A	-7/8	4	TAD	Methanical or chan iemova	Base Bast or cut stump approaches the approaches at 1 to 120 desert incloses + Pacount 240 gt + 150 gt 1 1 to 100 times, Problem & give and luted fref is
	Sim arcutacese	A saythus officients dies of business	17	2	35	190	treedings: Hand pull	Sectings Constitution Tiens FA (G.L.E), Southings spory GROD or MM (ord 1)
	Poacoas	Echinochica colonal gwintosa hidnysid grass)	9	48	3.5	+.X	Hand or mechanical remove of small inductations	Spray glyphosale @ 19mL/1 with: [m52] i
EA.	⊃урописемо	capena ossistem dilucinda (y casido		53	34	ьо	Leeft first trait just with a specia and the order plant trained are exceeding the not system write making curs of areal pets of the paint size. In part size, a personal completing contents.	Aquete ment - Dipprovide- pa most - communication state, synta of way - Dipplos de-qu gryphos de-mas - manapyr
12	voorew	stims stir-jente nucleny)	3	43	34	10	N.A	Titles, I'd (UNID), MacKing pointing, above the ground it the, Gaptings, CSBP (Ich by Seedlings, Spain GDX) and to
150	No. Kriste	Caraca eccuera taroj	3	4	3.4	HAND	Hund pull.	Out at base and apply physicists or not setten neithyl. Plant of enoccurs in waterways no contrast OF Des
94	Consceie	Garancka (Lavusy)	3	В	35	100	Dig out a tile plant	prior to apprecation (ref-6). CubStein and specification (1990) or 1990 in first, Collections that seeds. Resistant to

160	Вилдерселе	Biodea madagas, arensis (herrigo)	5	. 6	3.1	5.00	NA	Stems, CSSP (1.1.0) Vines, speny or bit open and room
96	Віртипасные	Tecuniu caperisti (Caper	3	5	4	STIG	NA.	regrowth GZXC (ref.1). Sterile: CS&P (G1.5) or spili
	DENE STEEL	honey sad in el		90				10000, decon derient, beg at semole (ref.1).
167	Denicoe	Harross morase parmas cactus)	99		4	5/0	The true of the biological meanly- bug agent is recommended.	Theory in the reason of 1.01.60 Lides at Dichlorop 600 gf. of 1.01.60 Livide, metsurusa metnyi soo ghia
190	Acarthaceae	hintergo auritaio (raind	1	1	4	WO	TMA	COMP (OF ISSUED SPIN) GROUP
100) anecese	cluck viet) Erythmaconstages & ochspur colai tree!	27	4	30	(4)	TAA	I), I in (Un.5) or DBP stumps, it and stack branches allow ground its cry to proved
					ļ.,,,,			responding. Fit appointed bore time (G1.5) or oppuy regional G2.50 + MM or MM Tital Turker get 1). Titles. Fit (G1.8) or CAP.
-30	Sapedante	Nodestore despes (Chinese Lain Inco	72	1	867	70	Sections Hand juli	Sharps (D1.6) Suplings CSRP (D1) stack out branches above ground to di Scoolings spray (D-201) yet
71	Zirgikrucusi	Hotychius gardserarum	19	3	36	40		18 of Physic spay G200 o
		(Olaper M ⁴ .)					pull and cripose	caro + VM_Large Parts - and carbo regradit. If straperes are a ground use cut stem and gouge fluori- tit, note with ULS with med
-ter	Acarthaenic	Hypacoles pagionala nyo	-	- 6	17891	40	Hard aut or claws	But or similar (left). Sorray Opportropol + Mod
72	Cap luturene	gots-or part Santu a candenia	3	7	14	ST/O	and discose View and	(eff.t) Vives and Russ etc. CS&F
		(American exter)		65			returners: Fand built roll up and hang to my.	#31.54 Larger Literia, Nock Land Node, spacy G 100 + 5 or MM (#17) Seodinas Afrazine or
tipe.	Asteracione	Corec a sundrem is dail distratory	٥	89	3.2	HVL	Hand or mechanical remove of small ordinations.	Seedings: Afterine or combinate with competitive rabile species; From: Cayphours and Torton 75-Diese (Tigot count into the conduction weeks) present per 25.
708	FORCH:	Towards a dipuncy	š	- 4	34	765	Servings Hand out	Soprego (SSP (GFF) Teas FF (G1.5) Seedings
N/C	Asteracide	rageles musite officing region)	ú	'AL	3.0	101	Hand bull and hand lovely	riging CRD get 1) Copray Mitran Group or Ellico SNA II offer weeks south as Lintaria or Camphor Laural
144	Свезирниселе	Chemiecriste rotundes e dound soft/assite	ш	14	33	SIM	Deedlings land pull	one present (left f); shrues: CORM on a (on a) Seedings: spray G250 or c200 o VM on Mile appoint
1981	Policino	Circles ochiona	. 9	45	3.5	36A	Hand or	and ball somis (10°1). ROTHORO CARRON -
		(Moss=ion mer grass)					mechanical remove of young pures	Usyphosate (mL/L water, Distribute 600g/100mg, Feat top 50-500ms (40), we del 7).
140	Asterscore	Convenientations (Consider footbook)	10	30	93	190	mechanical removal of smuli refer fall one.	Checourtum in combinate with competitive trainer packers, Flants, Glyphouds and Toutum TS D ms. Cayprositer fation depends other weed, present (ed.2).
150	Ещестикни	Exphorbs cyallophora		30	3.5	40	Hard put	Spray CHOC (ref f).
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192	Indactor	Vitasconia motena var. b. Istifeta itualid servenia:	2	3	21	HIC	Dig up, bay and persons	Spray G390 + VM (not 1).
143	Passificacese	Passificia editis (passiver (FUR)	6	12	1.2	(July)	Hard trid	COSEP (ST.U), spray (SSS) or SSSS + MM (split).
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amendments:		Plan of: Harry Ratnam Park Weed Treatment & Removal Strategy Sheet 3					
A 22.03.2018 Pre-liminary OC	Date Feb 16	Drawn by. FW	Project: Woodlinks Village Estate H.R.Park	ne			
		Checked by GC / MS	Client: Canberra Estate Consortium No. 36				



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Dwg No. 8051 L 07 A

Woodlinks Village Estate - Harry Ratnam Park Rehabilitation Notes

- ALL WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE ACCESS DEED FOR PARK REHABILITATION BETWEEN CANBERRA ESTATES CONSORTIUM NO. 36 PTY LTD & IPSWICH CITY COUNCIL
- REFER TO SHG LANDSCAPE SPECIFICATIONS AND PRELIMINARIES DESCRIPTION FOR ADDITIONAL REQUIREMENTS FOR CONSTRUCTION AND SITE MANAGEMENT

REHABILITATION DESIGN & LAYOUT

This Site Based Rehabilitation Plan has been prepared for Canberra Estate Consortium No. 36 Pty Ltd and is designed to enhance and expand the Goodna Creek existing tive vegetation areas within the existing Harry Ratriam Park adjacent to the Woodlinks Village Estate.

This plan set has been produced by overlaying existing site data with proposed works to nine impacts and disturbance

This Site Based Rehabilitation Plan is to identify and control necessary site disturbance as provided for the site plan layout. Where existing native vegetation is already established, low impact weed removal and rehabilitation techniques are required.

In patches that have undergone previous clearing and disturbance, a more aggressive . approach to weed removal and revegetation will be applied

LANDSCAPE WORKS TIMING

These works are proposed to be completed following the completion of the Woodlinks Village Stage 1 construction works.

These landscape works are intended to provide

- Stabilisation to all disturbed areas.
- Maintain the opportunity for Council to install future stormwater devices and recreational park embellishments in nominated areas:
- Rehabilitation Outcomes for the Goodna Creek Corridor and
- Satisfy conditions of the EPBC Approval.

REHABILITATION INTENT

A combination of the following core rehabilitation methods will be employed throughout the site depending on the level of site disturbance, weed infiltration and existing native species vegetation present.

The planting densities and species selection for Rehabilitation Zones have been chosen to maximise habitat, linkage and movement opportunities

Rehabilitation treatment is to generally include the following points

- A number of weeds are recorded for removal within shrub & ground layer
- Weed removal and management will utilise low impact methods preventing further
- Revegetation species will include a variety of ground, shrub and canopy species selected from pre-clear vegetation commun ities and specific species - Refer to rehabilitation plant schedules for detail.
- Planting densities to achieve a minimum of 1 per m2 throughout all rehabilitation
- Low impact weed removal techniques will be applied within this zone. This method s used to eliminate, or greatly reduce, further degradation to the soil and "riparian"
- Native trees will replace all woody weeds removed from vegetated zones.
- Ground layer and shrub layer weeds will be removed utilising low impact weed noval methods and replaced with locally occurring native species.

Ecologists from Saunders Havill Group assessed on-site waterways within the Woodlinks Estate providing information on locations of scouring, erosion and disturbances along the drainage lines. This data provides the base information required to compile the various rehabilitation approaches required within this Site Based Rehabilitation Plan. The various approaches are described below:

SITE PREPARATION

Areas designated for revegetation have undergone various stages of disturbance whether it be affected by introduced species of through the necessary development

Once planting locations have been determined each planting location is to be spot sprayed (1 square metre) prior to soil cultivation. (knockdown, non residual hebercide Glyphosate or equivalent used at minimum rate of 2 litres per ha of spot spraying everal herbicide applications maybe required to ensure appropriate kill rates where long grass exists. Note: Weed spray to single plantings only at top of bank. However, if individual weeds have been identified throughout the existing established

native vegetation, then manual removal should be applied and replaced with a native revegetation species as identified on this drawing sheet.

CULTIVATION AND PLANTING

Each individual planting location

should be spot cultivated to at east 2 times the depth and twice the width of the plant stock size. Refer detail for more

WATERING: At the time of planting soak the root ball of each plant in a diluted solution of liquid seaweed according to he directions on product label to assist in establishment.

Plants are to be watered deeply only once at the time of planting and then allowed to establish within the prevailing climatic conditions. If it is observed during the maintenance process that the plant is under stress then a subsequent watering is allowed to assist in

MULCHING & MATTING

Areas to be blanket mulched to a minimum depth of 100mm leaving a 50mm gap surrounding the trunk of planted stock. Areas which are deemed as too steep or not suitable for mulching due to frequent overland flows may utilise a combination of mulch and Jute mat and / or suitably anchored natural fibre weed mat installed to manufacturer's specifications have been specified.

PLANTING STOCK

All planting species to be selected in accordance with the species sizes and numbers setout on the species schedules. Refer to individual schedules for proposed proportions of groundcovers, shrubs and trees within planting areas. Revegetation planting locations shall be generally setout in accordance with a random grid pattern.

All stock shall be true scheduled nomenclature, well formed, hardened off to suit final evegetation location, nursery stock. The root system should be well formed without being tube bound or large roots extruding from the tube container. The landscape coordinator has the right to inspect and reject stock prior to planting.

INSTALLATION METHODOLOGY

To maximise plant establishment success rates and minimise plant failure, installation methodology for revegetation works within rehabilitation areas shall include:

- Revegetation works shall be either undertaken or directly supervised by an experienced and qualified contractor
- All works shall be in accordance with the provisions of this Site Based
- Rehabilitation Plan & local government policies.
 Plants are to be vigorous, well established, hardened off, consistent with species or variety, free from disease and insect pests, with large root systems and no evidence of damage.
- Plants are to be planted immediately after delivery to the planting site. Otherwise, they shall be stored in shade and watered sufficiently.
- Excavate planting medium to a depth suitable for the installation of tube or pot specimens. In areas where planting substrate is deemed to be very poor (compacted, nutrient depauperate, hydrophobic etc.) and above areas of potential frequent inundation and water flow, topsoil may be used or the ground mechanically ripped where access is feasible
- Pre-water plant hole to decrease root stress and assess infiltration through soil.
- Incorporate into plant hole, water crystals / hydrating product to manufacturer's recommendations (Hortex "Rainsaver" / "Moisturaid" or similar approved),
 Place plant into hole and backfill ensuring that the plant is upright and the stem
- is not covered in less than 10mm or any more than 20mm of planting medium.
- Plants are to be watered thoroughly immediately after planting (deep imigation) and thereafter as required during establishment depending on clim conditions. Creation of a concave hollow around the base of each plant will aid vater infiltration to the plant roots.
- A complete, slow release fertiliser is to be applied during planting to manufacturer's recommendations (Nutricote or similar approved)
- To ensure successful establishment, all planting surfaces must be covered in:
 a 100mm layer of high quality weed-free composted mulch (site mulch) Note: avoid possible stem rot ensure mulch is 'dished' and not covering plant. stem by more than 20mm.
- .. sultable individual anchored natural fibre weed mat; or
- Seedlings and saplings to be encouraged and maintained throughout the

MAINTENANCE SCHEDULE

MAINTENANCE SCHEDULE the Landscape Plans secondary weed removal phases and any rehabilitation planting. During this period any failed stock are to be replaced and/ or defects identified then reparations are to be made to site works. Watering shall be carried out to ensure establishment of revegetation. At the time of planting soak the root ball of each plant in a diluted solution. of liquid seaweed according to the directions on product label to assist in Plants are to be watered deeply prily once at the time of planting and the allowed to establish within the prevailing climatic conditions. If it is observed during the maintenance process that the plant is under stress then a subsequent watering is allowe Weed Removal Weeds evident during the Establishment period but should be removed as part of a monthly weed management program. Best Practice weed management techniques should be employed for weed removal amongst revegetation areas. Where grass seeding or turf establishes within planted areas it should be treated with approved herbicide for waterways.

No specified watering regime is provided during the maintenance period The intent is for the area to become self sufficient in utilising natural rain patterns and run off. Watering should occur during extended dry periods to ensure continued establishm

Weed Removal: Weeds should be tended to on a monthly program. Treatment technique vary within the landscape planted areas versus revegetation and retentio

> Throughout the establishment and maintenance periods areas where planting stock has not achieved a 90% success survival additional plantin

4. Erosion Control Prior to the commencement of works and to remain throughout the establishment and maintenance period an erosion and sediment control

measures shall be employed over the rehabilitaion area of the site.

NATURAL REGENERATION

- To relatively large, intact and weed-free areas of native vegetation
- Where the native plants are healthy and capable of regenerating without human When native plant seed is stored in the soil or will be able to reach the site from
- nearby natural areas, by birds or other animals, wind or water. Where the plant community has a high potential for recovery after any short-lived
- disturbance, such as a fire or cyclonic winds.

 When preventative action is all that is required to avert on-going disturbance, e.g. erection of fencing to prevent intrusion from cattle

Planting in such sites can work against the aims of restoration by interfering with natural

The re-establishing plant community will be similar in structure, composition and diversity to the original vegetation

RECONSTRUCTION

- Where the site is highly degraded or altered.
- When the degree of disturbance has been so great and long-standing that the pre-existing native plant community cannot recover by natural means. To sites such as areas of fill, sites affected by stormwater flow, and areas that hav
- been drastically cleared, either mechanically or by stock even though there may be a few remaining native trees or shrubs.
- When a greater degree of human intervention is required, such as weed removal, cessation of grazing and/or slashing, amelioration of soil conditions such as importation of soils, drainage works or reshaping of the landscape.

 When a major component is the importation of native species through planting.

The re-establishing planted community should be similar to the original vegetation structure, composition and diversity.

ASSISTED NATURAL REGENERATION

- To natural areas where the native plant community is largely healthy and When native plant seed is still stored in the soil or will be able to reach the site from
- nearby natural areas, by birds or other animals, wind or water. Where the natural regeneration processes (seedling germination, root suckering etc.) are being inhibited by external factors, such as weed invasion, soil
- compaction, cattle grazing, mechanical slashing etc. When limited human intervention, such as weed removal, minor amelioration of soil
- conditions, erection of fencing, cessation of slashing, etc. will be enough to trigger the recovery processes through natural regeneration

Planting in such sites can work against the aims of restoration by interfering with natura

The re-establishing plant community will be similar in structure, composition and

FABRICATION (Type Conversion)

- Where site conditions have been irreversibly changed
- When it is not possible to restore the original native plant community.
- Where a better-adapted local plant community can be planted that will function
- within the changed conditions. In situations such as the construction of a wetland plant community to mitigate
- reased urban stormwater run-off. N.B Revegetation (planting) is the major component in a fabrication program:
- The re-establishing planted community should be similar to the naturally occurring plant community of the same type e.g. freshwater wetlands in structure, composition and

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Plan of Harry Ratnam Park Rehabilitation General Notes Sheet 1 seus Detaile Detaile 22.03.2016 Premarery Date Feb 16 Drawn by. Project: Woodlinks Village Estate H.R.Park FW Checked by GC / MS Client: Canberra Estate Consortium No. 36

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Rehabilitation Zones Notes Sheet 2

ZONES DESCRIPTION

In keeping with the Core Rehabilitation Methods described above, 5 Distinct Zones are applied throughout the rehabilitation areas describing a range of work in Harry Ratnam Park. Refer to Drawing sheets 8051 L 10-17 for an associated full description of proposed plant species, sizes, densities and numbers.

ZONES 1, 1A & 1B Ex.Veg.

Existing Vegetation Areas with Infill Planting and Assisted Natural Regeneration

This large area of intact Vegetation is predominantly weed free with the exception of isolated occurrences of weed species (Lantana, Pepper Trees, Chinese Elms, Blue Billy Goats weed, Singapore Daisy etc) mainly along the creek banks. In the majority of the Zone 1 area the intent is for ongoing native species re-growth to be encouraged from the existing intact seed bank, through the elimination of competition from weed species.

A base Allowance of 10% of the Total ZONE 1 Area has been made to allocate reinforcement and re-planting tubestock for this zone. The exact revegetation area and number will be determined following weed management and detailed assessment on site following the initial weed management phase.

Re-planting in Zone 1 is to be undertaken in two (or possibly more) broad phases:

Phase 1 - Tree Planting to increase canopy cover and

Phase 2 - Shrubs Planting to introduce mid storey open forest structure.

Minor disturbances within Zone 1 will occur as a result of removal of larger areas of weed infestation. Weed treatment will be hand removal and follow up spot spraying. Where significant areas of weed removal occurs such as bare ground areas greater than 5m2, Blanket mulching (or Coir matting in overland flow areas such as creek banks) and tubestock is to be installed.

It is noted that in the majority of locations, a generally continuous layer of existing groundcovers of native grasses such as Blady Grass is present, providing topsoil stability. Accordingly the intent is to install revegetation as single hole plantings amongst retained and protected existing groundcovers and to only install new groundcovers to replace removed weeds. The Planting Mixes for these zones are all weighted primarily towards tree species with some shrub layer species and minimal groundcovers.

Where larger sections of weeds such as Singapore Daisy are to be removed in overland flow areas, Coirmatting and high density tubestock planting to min. 3 per m2 is proposed.

Within the broader Zone 1 area there are some sections where Canopy cover is more open. In these areas specific higher density revegetation planting mixes are proposed (Zones 1A and 1B as indicated on plan). The exact extent of areas requiring re-planting will be determined following the initial weed management phase.

ZONE 1A Ex. Veg. (Lower Creek Bank)

Mainly canopy planting is allowed in this zone to create upper level shade cover through individual plantings typically with 1M dia. mulch circles within existing native grass cover.

The species mix in these locations utilise a higher proportion of plants tolerant of frequent innundation.

ZONE 1B Ex. Veg. (Mid Creek Bank)

Mainly canopy planting is allowed in this zone to create upper level shade cover through individual plantings typically with 1M dia. mulch circles within existing native grass cover.

The species mix in these locations utilise a higher proportion of open Eucalypt forest species plants.

ZONES DESCRIPTION CONTINUED

ZONES 2 to 5 Revegetation Planting

As a result of previous land uses, clearing and weed treatments works, these areas are to be rehabilitated through reconstruction procedures. Areas to be rehabilitated include those that are denuded, disturbed and or where bare areas exist following the weed management. Any weed species regrowth is to be eradicated and the area mulched (or matted where nominated in overland flow zones) and revegetated with Koala food and habitat trees, and native shrubs and ground covers. Planting zones are to be dominated by trees, shrub and ground cover species with species selected from pre clear species at densities of min. 1 plant per square metre (with higher density in overland flow zones).

ZONE 2 Mulch Planting Areas

EXISTING CLEARED AREAS TO BE CONVERTED FROM GRASS TO TIERED PLANTING. The main location for this proposed planting treatment is a linear band between the existing Goodna Creek Vegetation & the existing pathway link. NOTE: Areas within the Powerlink Easement are not part of this zone.

MULCHED PLANTING AREAS, TIERED PLANTING STRUCTURE:

75mm Tubestock Rehabilitation species mix of Trees, Shrubs and Groundcovers.

100mm Site Mulch on 150mm Modified Site Topsoil to 1: 4 Max. batters.

Refer to Plant Schedules for species composition and density.

ZONE 2A (Mid Creek Bank

These zones are located between the creek and the mapped Q100 high inundation line. The species mix in these locations utilise a higher proportion of plants tolerant of frequent inpundation.

ZONE 2B (Upper Creek Bank)

These zones are located between the mapped Q100 high inundation line and the pathway edges to the east. The species mix in these locations utilise a higher proportion of open Eucalypt forest species plants.

ZONE 3 Mulch Plant. Power. POWERLINE EASEMENT - MULCHED DISTURBED AREAS FOLLOWING EARTHWORKS (OUTSIDE OF FLOW PATHS)

Current 40M electrical easement is highly disturbed over years of clearing and slashing:

- In general Blanket Mulching and revegetation with native species.
- Shrubs and groundcovers only are to be planted due to limitations for planting heights under powerlines.
- Maintenance access tracks of minimum 4.5 M wide are to be maintained and re-aligned as required through the easement.
- The Powerlink Guidelines require the Conductor Shadow Area (CSA) to be maintained as grassed and is indicated "agricultural use" are not permitted.
- The CSA is indicated in the Guidelines as the width of overhead wires plus 5m clear either side. For this reason it is proposed to realign the maintenance access track underneath the power lines where possible to maximise the areas available for revegetation planting in the rest of the easement.

NO TREES OR LARGE SHRUBS PLANTING STRUCTURE:

75mm Tubestock Rehabilitation species mix of Trees, Shrubs and Groundcovers, 100mm Site Mulch on 150mm Modified Site Topsoil to 1: 4 Max, batters. Refer to Plant Schedules for species composition and density.

ZONE 4 Tree Planting

MULCHED SINGLE AND GROUPED TREES IN EXISTING GRASSED AREAS:

In areas between existing pathway and house lots, tree species are proposed into existing grassed areas with no understorey planting, trees will be set back from pathway edges and rear lot boundaries to allow for safe management and CPTED sightlines.

75mm Tubestock Rehabilitation species Trees planted in Tree Guards 100mm Site Mulch x 1.0M Dia. circles into Modified Site Topsoil planting holes. Refer to Plant Schedules for species composition and density.

ZONES DESCRIPTION CONTINUED

ZONE 5 Future Works

STORMWATER REHABILITATION & SHARED USE AREAS BY ICC

These areas have been designated by ICC for future works to install stormwater devices and local recreational park outcomes. These areas will be maintained as slashed open grass to maintain flexibility for construction outcomes by ICC in the future.

NOTE: Coir Mat Plant.

COIR MATTING PLANTING AREAS IF REQUIRED ON SITE

If during site investigations following weed removal or during construction works it is considered by the Site Superintendant that site mulch should be substituted with a bio-degradable matting solution, Coir matting will be installed. Matting will be installed to manufacturer's recommendations to existing & disturbed ground in areas only where frequent overland flows are expected.

PLANTING DETAILS

75mm Tubestock Rehabilitation species mix of Trees, Shrubs and Groundcovers. "Coir Matting Polyfabrics Tecmat TMC9" (Thickest Version rated to cater for flow velocity of 4.8m/s).

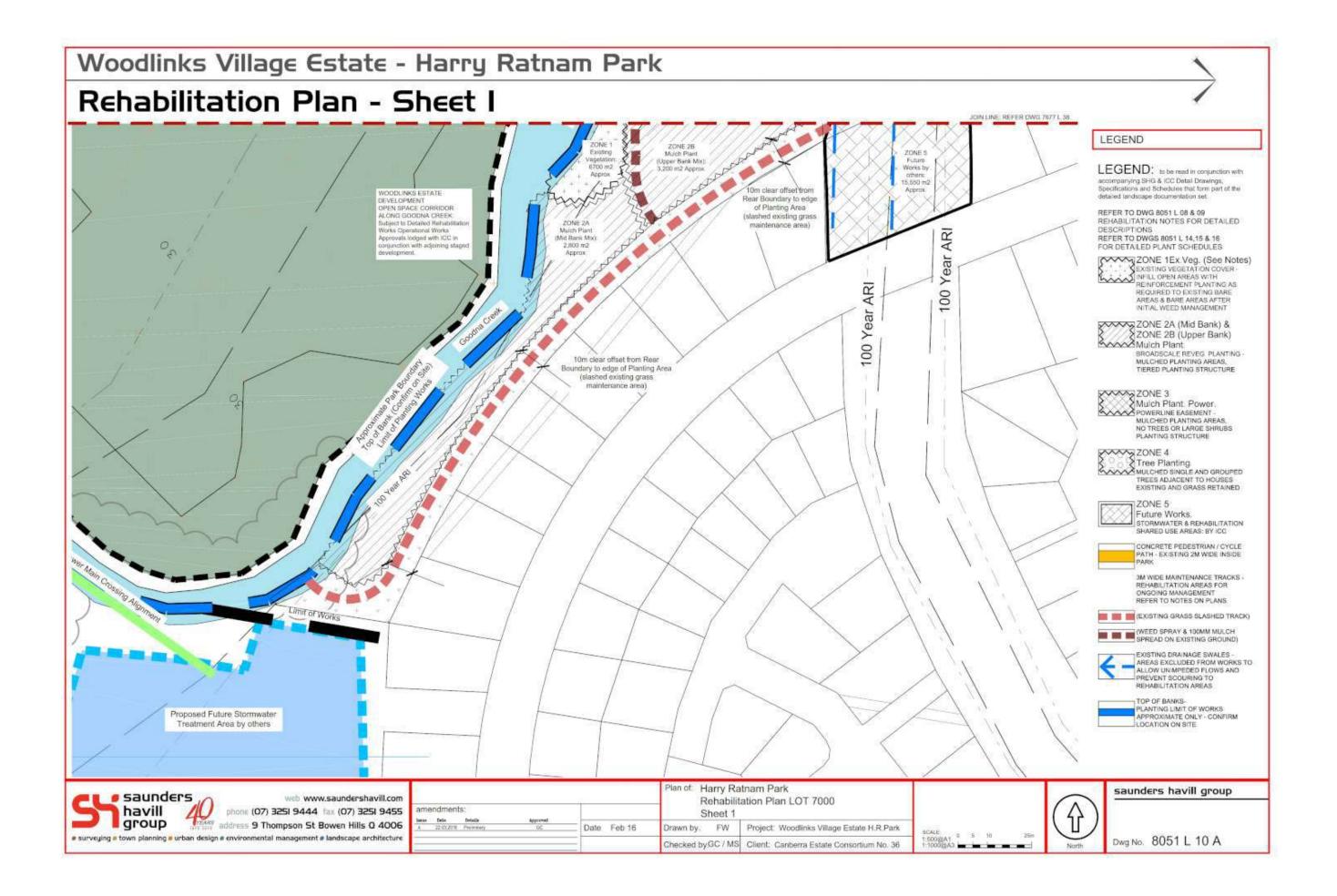
Saunders web www.saundershavill.com phone (07) 325I 9444 fax (07) 325I 9455 group address 9 Thompson St Bowen Hills 0 4006 surveying town planning urban design environmental management all landscape architecture



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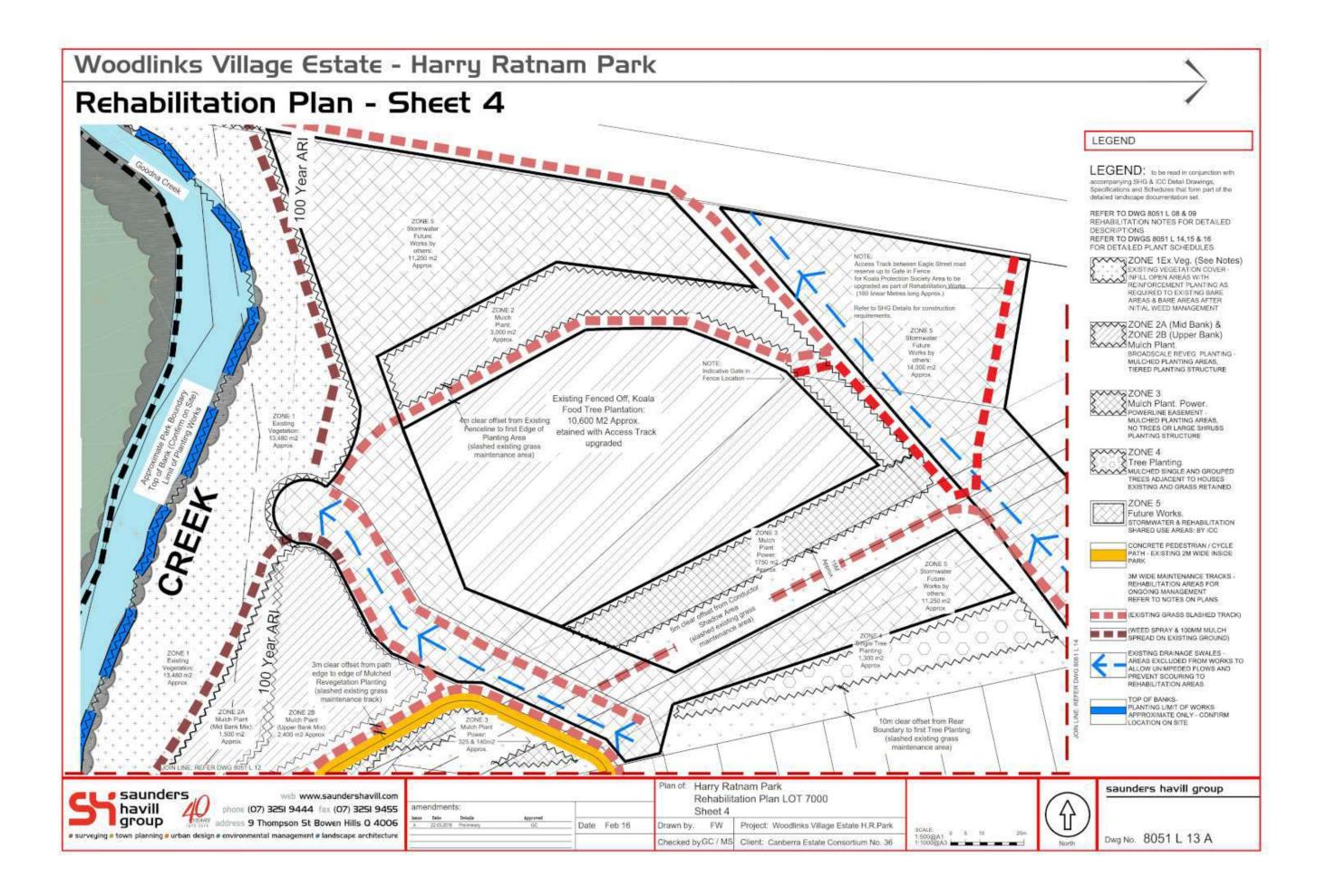
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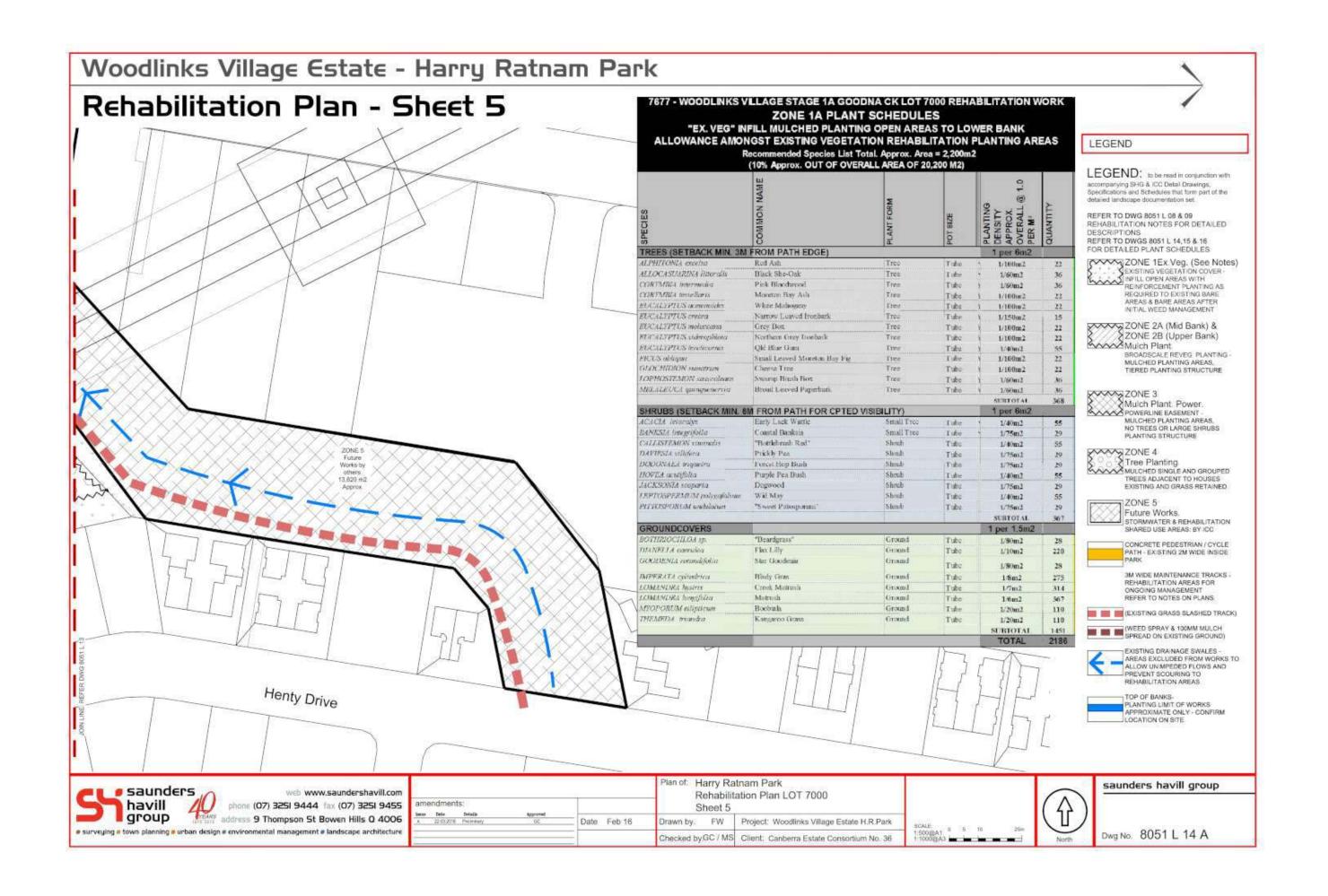
Dwg No. 8051 L 09 A



Woodlinks Village Estate - Harry Ratnam Park Rehabilitation Plan - Sheet 2 LEGEND Maintenance Access Track: LEGEND: to be read in conjunction with 3M wide Mulch only section accompanying SHG & ICC Detail Drawings, Specifications and Schedules that form part of the detailed landscape documentation set. through revegetation planting - I 180 3m clear offset from path REFER TO DWG 8051 L 08 & 09 edge to edge of Mulched Revegetation Planting REHABILITATION NOTES FOR DETAILED REFER TO DWGS 8051 L 14 15 & 16 FOR DETAILED PLANT SCHEDULES EXISTING VEGETATION COVER-INFILL OPEN AREAS WITH REINFORCEMENT PLANTING AS I from path edge to first Tree Planting (slashed existing REQUIRED TO EXISTING BARE AREAS & BARE AREAS AFTER ZONE 2A (Mid Bank) & 10m clear offset from R Boundary to first Tree Pla ZONE 2B (Upper Bank) Mulch Plant BROADSCALE REVEG PLANTING maintenance area) MULCHED PLANTING AREAS, TIERED PLANTING STRUCTURE ZONE 3 Mulch Plant. Power. POWERLINE EASEMENT MULCHED PLANTING AREAS, NO TREES OR LARGE SHRUBS PLANTING STRUCTURE ZONE 4 Tree Planting MULCHED SINGLE AND GROUPED TREES ADJACENT TO HOUSES EXISTING AND GRASS RETAINED ZONE 5 Future Works, STORMWATER & REHABILITATION SHARED USE AREAS: BY ICC CONCRETE PEDESTRIAN / CYCLE PATH - EXISTING 2M WIDE INSIDE WOODLINKS ESTATE OPEN SPACE CORRIDOR ALONG GOODNA CREEK Subject to Detailed Rehabiliti 3M WIDE MAINTENANCE TRACKS -REHABILITATION AREAS FOR Approvals lodged with ICC in conjunction with adjoining star ONGOING MANAGEMENT REFER TO NOTES ON PLANS. EXISTING GRASS SLASHED TRACK) (WEED SPRAY & 100MM MULCH SPREAD ON EXISTING GROUND) EXISTING DRAINAGE SWALES -AREAS EXCLUDED FROM WORKS TO ALLOW UNIMPEDED FLOWS AND PREVENT SCOURING TO REHABILITATION AREAS TOP OF BANKS PLANTING LIMIT OF WORKS APPROXIMATE ONLY - CONFIRM LOCATION ON SITE JOIN LINE REFER DWG 8051 L 10 Plan of: Harry Ratnam Park saunders havill group saunders web www.saundershavill.com Rehabilitation Plan LOT 7000 havill phone (07) 325I 9444 144 (07) address 9 Thompson St Bowen Hills 0 4006 Sheet 2 group A 12.02.2015 Preminery Date Feb 16 Project: Woodlinks Village Estate H.R.Park ø surveying ø town planning ø urban design ø environmental management ø landscape architecture Dwg No. 8051 L 11 A Checked by GC / MS Client: Canberra Estate Consortium No. 36

Woodlinks Village Estate - Harry Ratnam Park Rehabilitation Plan - Sheet 3 LEGEND edge to edge of Mulched LEGEND: to be read in conjunction with Revegetation Planting (slashed existing grass accompanying SHG & ICC Detail Drawings, Specifications and Schedules that form part of the detailed landscape documentation set REHABILITATION NOTES FOR DETAILED REFER TO DWGS 8051 L 14 15 & 16 FOR DETAILED PLANT SCHEDULES ZONE 1Ex Veg. (See Notes) EXISTING VEGETATION COVER-INFILL OPEN AREAS WITH REINFORCEMENT PLANTING AS REQUIRED TO EXISTING BARE AREAS & BARE AREAS AFTER Mulch up to edge of path in this location with first groundcover plant min. ZONE 2A (Mid Bank) & ZONE 2B (Upper Bank) Mulch Plant BROADSCALE REVEG PLANTING WOODLINKS ESTATE DEVELOPMENT OPEN SPACE CORRIDOR ALONG GOODNA CREEK MULCHED PLANTING AREAS, TIERED PLANTING STRUCTURE Approximate Park Boundary Top of Bank (Confirm on Site) Works Operational Works Limit of Planting Works ZONE 3 Mulch Plant. Power. PowerLine EASEMENT -MULCHED PLANTING AREAS, NO TREES OR LARGE SHRUBS 5m clear offset from Rear Boundary to Planting in PLANTING STRUCTURE ZONE 4 Tree Planting MULCHED SINGLE AND GROUPED (slashed existing grass) Heuph Dun, TREES ADJACENT TO HOUSES EXISTING AND GRASS RETAINED Mulch up to edge of path ZONE 5 in this location with first Future Works, STORMWATER & REHABILITATION groundcover plant min. 500mm from edge SHARED USE AREAS: BY ICC CONCRETE PEDESTRIAN / CYCLE PATH - EXISTING 2M WIDE INSIDE om clear offset from path edge to edge of Mulched Revegetation Planting (slashed exist. 3M WIDE MAINTENANCE TRACKS -REHABILITATION AREAS FOR ONGOING MANAGEMENT 20m Min. clear offset REFER TO NOTES ON PLANS. from towers EXISTING GRASS SLASHED TRACK) (slashed existing grass maintenance area) 10m clear offset from Rear (WEED SPRAY & 100MM MULCH SPREAD ON EXISTING GROUND) (slashed existing grass EXISTING DRAINAGE SWALES maintenance area) AREAS EXCLUDED FROM WORKS TO ALLOW UNIMPEDED FLOWS AND PREVENT SCOURING TO REHABILITATION AREAS from path edge to first Tree Planti TOP OF BANKS (slashed existing PLANTING LIMIT OF WORKS APPROXIMATE ONLY - CONFIRM LOCATION ON SITE Plan of Harry Ratnam Park saunders havill group saunders web www.saundershavill.com Rehabilitation Plan LOT 7000 havill phone (07) 325I 9444 fax (07) 325I 9455 Sheet 3 address 9 Thompson St Bowen Hills 0 4006 group Date Feb 16 Project: Woodlinks Village Estate H.R.Park Dwg No. 8051 L 12 A Checked by GC / MS Client: Canberra Estate Consortium No. 36





Zone IB 7677 - WOODLINKS VILLAGE STAGE 1A GOODNA CK LOT 7000 REHABILITATION WORK 8051 - HARRY RATNAM PARK, GOODNA CK REHABILITATION WORK **ZONE 1B PLANT SCHEDULES** ZONE 2A (MID BANK - BELOW Q100) PLANT SCHEDULES "EX. VEG" INFILL MULCHED PLANTING OPEN AREAS TO MID CREEK BANK "MULCH PLANT" MULCHED REHABILITATION PLANTING AREAS ALLOWANCE AMONGST EXISTING VEGETATION REHABILITATION PLANTING AREAS Recommended Species List Total. Approximate Area = 12,200m2 Recommended Species List Total. Approx. Area = 1300m2 (10% OUT OF OVERALL AREA OF 20,200 M2) TREES (SETBACK MIN. 3M FROM PATH EDGE) 1 per 6m2 TREES (SETBACK MIN. 3M FROM PATH EDGE) 122 Tube Tree 1/100 m2 22 ALLOCASUARINA littoralis Black She-Oak Tree Tube 1/60m2 ALLOCASUARINA littoralia Black She-Oak Tree Tube 1/60m2 CORYMBIA intermedia Pink Bloodwood. Tree 1/60m2 200 ORYMBIA Intermedia Pink Bleodwood Tube 1/60m2 CORYMBIA textelluria Moreton Bay Ash Tree 122 Tube 1/100 m2 CORYMBIA tessellaris Moreton Bay Ask 1/100 m2 Tree Tube EUCALYPTUS acmemades White Mahoeany Tree Tube 1/100 m2 122 EUCALYPTUS acmonoides White Mahoesny 1/100 m2 EUCALYPTUS crebra Narrow Leaved Ironbark Tube 1/150 m2 EUCALITTUS crebra Narrow Leaved Ironbark Tree 1/150 m2 Tebe EUCALYPTUS moluccana Grey Box Tree 122 Tube 1/100 m2 EUCALYPTUS moluccana Grev Box Tube 1/100 m2 EUCALYPTUS stderoublota Northern Grey Ironbark Tree 1/100 m2 122 EUCALYPTUS siderophloia Northern Grey Ironburk Tube 1/100m2 EUCALYPTUS tereticomis Old Blue Gum Tree Tuhe 1/40m2 305 EUCALYPTUS tereticornis Old Blue Gum Tube 1/40 m 2 FICUS obliqua Small Leaved Moreton Bay Fig. 1/100 m2 FICUS obliqua. Small Leaved Moreton Bay Fie 1/100 m2 GLOCHIDION sumatrum 122 GLOCHIDION sumatrum Tube 1/100 m2 Cheese Tree Tree 1/100m2 Tube LOPHOSTISMON mayeoleans Swamp Brush Box Tree Tube 1/60m2 200 LOPHOSTEMON nurveoleans Swamp Brush Box. Tube 1/60m2 Broad Leaved Paperback MELALEUCA guingwenervia Tube 1/60m2 MELALEUCA quinquenervia Broad Leaved Paperback Tube 1/60m2 SUBTOTAL 2040 SUBTOTAL SHRUBS (SETBACK MIN. 6M FROM PATH FOR CPTED VISIBILITY) 1 per 6m2 SHRUBS (SETBACK MIN. 6M FROM PATH FOR CPTED VISIBILITY) 1 per 6m2 ACACIA leioculyx Early Lack Wattle Small Tree 305 1/40 m 2Early Luck Waitle Small Tree Tube 1/40m2 BANKSIA integrifolia Coastal Ranksin Small Tree 1/75m2 163 BANKSIA integrifolia Constal Banksia Small Tree Tube 1/75m2 CALLISTEMON viminaliz "Bonicbrush Red" 1/40m2 305 CALLISTEMON vommabs "Bottlehrush Red" Tube 1/40m2 Tube DAVIESIA willifera Prickly Pca Shrub Tube 1/75m2 163 DAVIESIA villifera Prickly Pca Sarub Tene 1/75m2 DODONALA triquera Shrub Tuhe 1/75m2 DODONAEA triquetra Forest Hop Bush Shrub 1/75m2 Tube HOVEA acutifolia Purple Pea Bush Shrub Purple Pen Bush Tube 1/40m2 305 HOVEA acutifolia Shrub Tube 1/40m2 JACKSONIA scoparia Dogwood Shrub 1/75m2 163 Tube JACKSONIA scoparia Dogwood Shrub 1/75m2 Tube LEPTOSPERMUM polypafolium Wid May Shrub LEPTOSPERMUM polygafolium Wid May Shrub Tube 1/40m2 305 Tube 1/40m2 PITTOSPORUM undulatum "Sweet Pittosporum" Shrub 1/75m2 163 PITTOSPORUM undulatum "Sweet Pittosporum" Shrub Tube 1/75m2 SUBTOTAL 2033 SUBTOTAL GROUNDCOVERS 1 per 1.5m2 GROUNDCOVERS 1 per 1.5m2 BOTHRIOCHLOA sp "Beurdgrass" Ground 1/80m2 153 BOHIRHOCHLOA sp. "Bearings Ground Tube Tube 1/80m2 DIANELLA caerolea Flax Lilly Ground 1/10m2 130 DIANELLA caerulea Flux Lilly Ground 1/10m2 GOODENIA rotundi folia Star Goodenia 153 GOODENL1 ronumhifolico Star Goodenia 1/80m2 IMPERATA evilindrica Blady Gras Ground 1525 IMPERATA cylindrica Blady Gras Ground Tube 1/8m2 1/7m2 1743 LOMANDRA hystrix Creek Matrush 1/7m2 Tube Tube LOMANDRA langifalta LOMANDRA longifolia Matrush Ground Matrush Ground Tube 1/6m2 2033 367 Tube 1/6m2 MYOPORUM silipticum Boobiala Ground 1/10m2 1220 MYOPORUM allipticson Roobiala Ground 1/10m2 220 THEMEDA triandra Kangaroo Grass Ground 1/10m2 1220 THEMEDA triandra Kangaroo Grass Ground 220 1/10m2 Tube SUBTOTAL 1671

Woodlinks Village Estate -Harry Ratnam Park

Rehabilitation Plants Sheet I



n 5	amendments:	i i	Plan of Harry Ra Rehabilit			
5	Issue Date Details Approved A 22.00.2016 Premiumpy GC	Date Feb 16	Drawn by. FW	Project: Woodlinks Village Estate H.R.Park	orate.	
E			Checked by GC / MS	Client: Canberra Estate Consortium No. 36	JUNCE.	AS NOTED

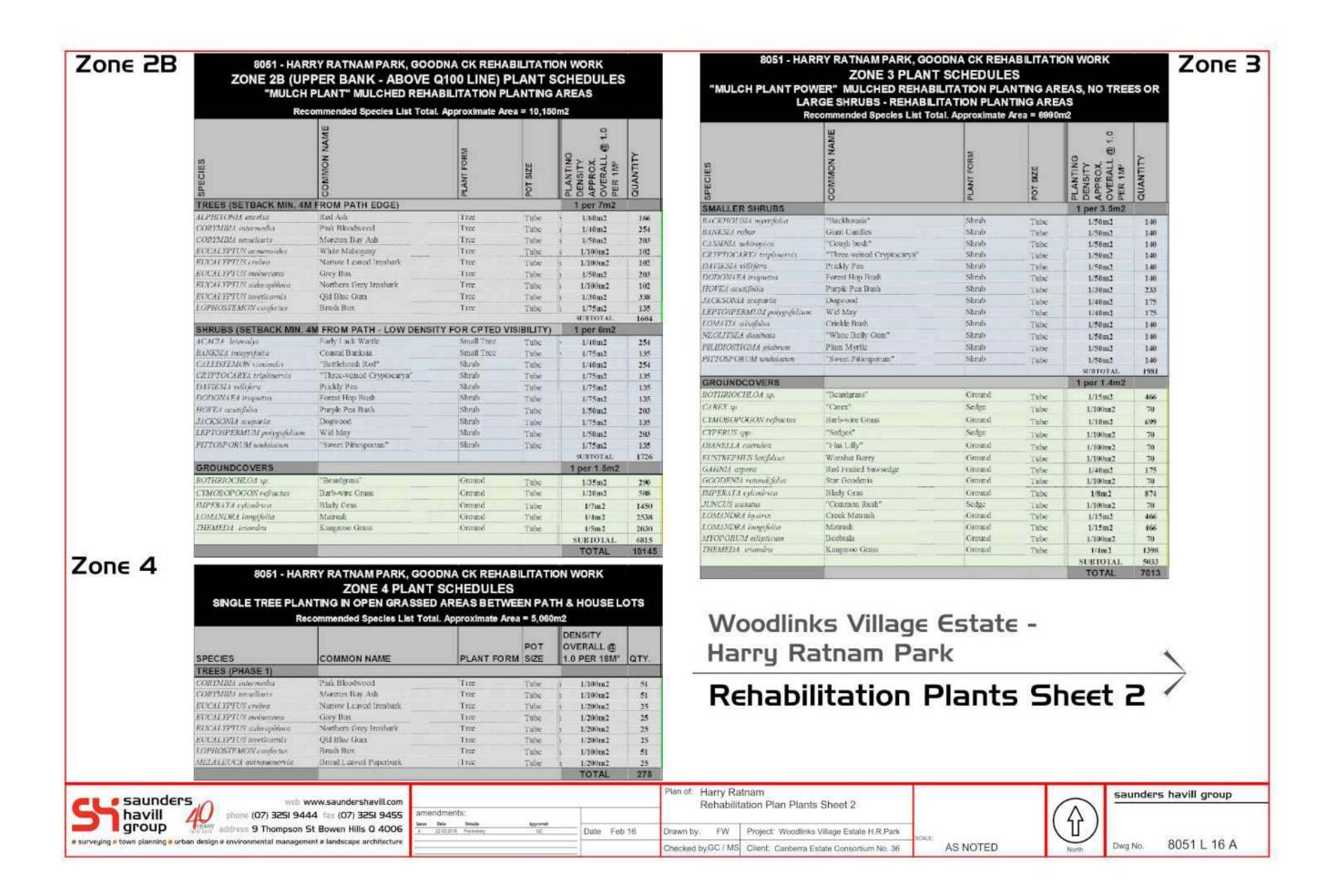


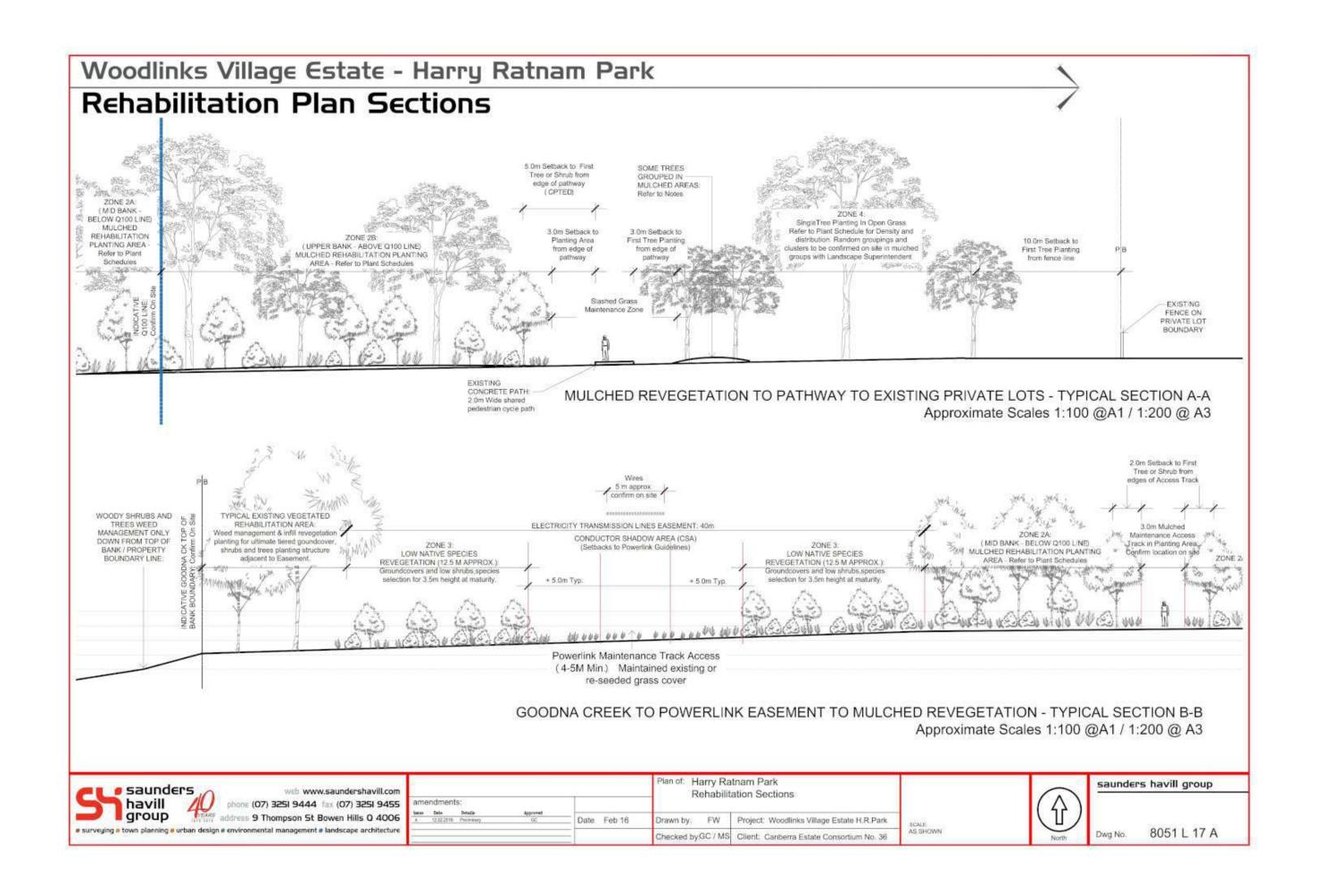
TOTAL

saunders havill group

Zone 2A

wg No. 8051 L 15 A





Appendix G

Land access agreement

CANBERRA ESTATES CONSORTIUM NO. 36 PTY LTD

And:

IPSWICH CITY COUNCIL

Access Deed for Park Rehabilitation

Mullins Lawyers Level 22, Central Plaza One 345 Queen Street BRISBANE QLD 4001

Tel: (07) 3224 0222 Fax: (07) 3224 0333 C:\nRPortbl\Matters\AHANRAHAN\4527527_1.doc

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PARTIES

CANBERRA ESTATES CONSORTIUM NO. 36 PTY LTD ABN 90 156 442 312 of 2 Calvert Close, MURRUMBA DOWNS in the State of Queensland 4503 ("Canberra Estates")

and

IPSWICH CITY COUNCIL

of 143 Brisbane Street, Ipswich in the State of Queensland 4305 ("Council")

INTRODUCTION

- A. Canberra Estates is the owner the Land situated at Collingwood Drive, Collingwood Park described as Lot 1 on SP185145 and Lots 65, 66 and 67 on RP225349 (the "Land") which it intends to develop into a residential community.
- B. Canberra Estates has obtained an approval under the Environment Protection and Biodiversity Conservation Act to develop the Woodlink Residential Community in Collingwood Park, Queensland, on the Land pursuant to a decision dated the 4th March 2014 ("EPBC Approval").
- C. The EPBC Approval required Canberra Estates to prepare a Koala Management Plan to address management issues to avoid and mitigate impacts to koalas and to prepare an offset management plan to address significant residual impacts to koalas as a result of the proposed development of the Land.
- D. Canberra Estates has prepared and obtained approval of a Koala Management Plan dated 16 September 2014 and an Offset Management Plan dated 24 September 2014 from the Australian Government pursuant to a letter dated 15 October 2014 ("Approved Plans").
- E. Canberra Estates now wishes to implement the Approved Plans.

- F. Council owns and controls the park adjacent to the Land known as Harry Ratnam Park containing Lot 5 on RP221982 and Lot 519 on CPSL10400 ("the Park"). The Koala Management Plan and Offset Management Plan contemplate the doing of works in the nature of rehabilitation of vegetation and associated works within the Park along with the ongoing management of the works.
- G. Council agrees with and supports the proposal contemplated by the Approved Plans.
- H. The Council agrees to permit Canberra Estates to enter upon the Park and use the Park for the purposes of implementing the Approved Plans in accordance with the terms set out in this Deed.

OPERATIVE PROVISIONS

It is agreed as follows:

1 DEFINITIONS AND INTERPRETATION

1.1 Definitions

In this Deed:

"Deed" means this document, including any schedule or annexure to it;

"Business Day" means a day that is not a Saturday, or Sunday or any other day which is a public holiday or a bank holiday in the place where an act is to be performed or a payment is to be made:

"Cost" includes loss, liability or damage;

"Council" means Ipswich City Council;

"Term" means the period commencing on the date of this Deed and expiring on 31 January 2034.

1.2 Interpretation

- 1.2.1 Reference to:
 - 1.2.1.1 One gender includes the other;
 - 1.2.1.2 The singular includes the plural and the plural includes the singular;
 - 1.2.1.3 A person includes a body corporate;
 - 1.2.1.4 A party includes the party's executors, administrators, successors and permitted assigns;

- 1.2.1.5 A status, regulations or provision of a statute or regulation ("Statutory Provision") includes:
 - (a) That Statutory Provision as amended or re-enacted from time to time; and
 - (b) A statue, regulation or provision enacted in replacement of that Statutory Provision; and
- 1.2.1.6 Money is Australian dollars, unless otherwise stated.
- 1.2.2 "Including" and similar expressions are not words of limitation.
- 1.2.3 Where a word or expression is given a particular meaning, other parts of speech and grammatical forms of that word or expressions have corresponding meaning.
- 1.2.4 Headings and any table of contents or index are for convenience only and do not form part of this Deed or affect its interpretation.
- 1.2.5 A provision of this Deed must not be construed to the disadvantage of a party merely because that party was responsible for the preparation of the Deed or the inclusion of the provision in the Deed.
- 1.2.6 If an act must be done on a specified date which is not a Business Day, it must be done instead on the next Business Day.

2 PERIOD OF ACCESS

2.1 Unless sooner terminated in accordance with this Deed, the period during which Canberra Estates may exercise its rights pursuant to this Deed will commence on the date of this Deed and continue for the whole of the Term.

3 THE PARTIES COVENANT

- 3.1 In consideration of Council's covenant hereby given to maintain the Park as public parkland for the duration of the Term and in consideration of the Council allowing Canberra Estates to enter onto the Park and use the Park for the purpose of implementing and otherwise carrying out the provisions of the Approved Plans, Canberra Estates covenants with the Council as follows:
 - 3.1.1 Canberra Estates will bear its own costs of implementing and carrying out the provisions of the Approved Plans:

- 3.1.2 Canberra Estates will perform all works contemplated by the Approved Plans in a proper workmanlike manner and ensure that the Park is left in a neat and tidy state having regard to its use as a Park;
- 3.1.3 Canberra Estates will comply with all of the terms and conditions of the Approved Plans;
- 3.1.4 Canberra Estates will make good any damage (both structural and cosmetic), arising out of Canberra Estates access to and works undertaken in the Park; and
- 3.1.5 Canberra Estates will use reasonable endeavours to ensure that any area in which work is conducted is maintained in a safe condition at all times in accordance with relevant workplace health and safety laws.

4 RIGHT AND PURPOSE OF ACCESS

- 4.1 Council grants to Canberra Estates the right to access the Park on foot and with vehicles and other machinery, plant and equipment during the Term to do all things reasonably necessary to implement and comply with the Approved Plans subject to compliance with all reasonable Council requirements (provided that the Approved Plans will take precedence in the case of any conflict) and to make good any damage in accordance with the provisions of this Deed.
- 4.2 Canberra Estates will only use the Park for purposes and activities directly associated with the implementation of and compliance with the Approved Plans. Without limiting the effect of this clause, Canberra Estates will be entitled to access the Park during the Term to carry out the following tasks:
 - 4.2.1 To carry out all necessary surveys of the Park;
 - To inspect and prepare the Park for works associated with the Approved Plans;
 - 4.2.3 To carry out the rehabilitation and reinstatement of vegetation along Goodna Creek and areas adjacent to Goodna Creek including the Park;
 - 4.2.4 To construct access facilities (road) to the koala harvest plantation to be established in the Park;
 - 4.2.5 To manage the Park in accordance with the Approved Plans following completion of the initial works; and
 - 4.2.6 To carry out inspections of the Park.

- 4.3 Canberra Estates acknowledges and agrees that any rights conferred by this clause will be in contract only and will not infer an intention to create or confer upon Canberra Estates any tenancy, estate or interest in the Park.
- 4.4 This clause does not confer upon Canberra Estates any right of exclusive possession of the Park. Council and its agents, servants and invitees may at any time in its absolute discretion, exercise all their rights including, without limitation, their right to enter upon and use the whole or any part of the Park. If Council or any other authorised persons enter the Park while works are taking place, Council must comply with all relevant workplace health and safety laws.

5 INSURANCE

- 5.1 Canberra Estates must maintain at their Cost a public liability policy of insurance jointly in the names of Council and Canberra Estates for an amount not less than \$10,000,000 per occurrence with an insurer approved in writing by Council and in terms approved in writing by Council, which approvals will not be unreasonably withheld. The policy will be maintained by Canberra Estates during the Term.
- 5.2 On execution of this Deed by Canberra Estates and whenever required in writing from time to time thereafter by Council and Canberra Estates will produce evidence to the satisfaction of Council of the insurances effected and maintained by Canberra Estates for the purposes of this clause.

6 **INDEMNITY**

- 6.1 Canberra Estates indemnifies and holds harmless Council, its servants, employees, invitees and agents against all expenses, costs, claims, demands, actions, suits, judgement and liabilities in any way whatsoever arising directly or indirectly out of this Deed, Canberra Estates' use or occupation of this the Park or the fulfilment or nonfulfilment of Canberra Estates' obligations and responsibilities imposed by this Deed, or the Approved Plans whether in respect of any deliberate act or omission, negligence or otherwise and whether in respect of personal injury to, or any kind of other loss suffered by any person whomsoever (including any party to this Deed and their servants and agents), except for in the following circumstances:
 - 6.1.1 Where the loss or damage was caused through any act or omission by Council or its servants, employees, invitees and agents; or
 - Where Council or its servants, employees, invitees and agents have failed to comply with relevant workplace health and safety laws when entering the Park during the works.

7 RISK

7.1 Canberra Estates uses the Park at its own risk and Council is not responsible for any loss, damage or theft.

8 TERMINATION ON DEFAULT

- 8.1 Canberra Estates default under this Deed if it:
 - 8.1.1 Fails to comply with, observe or perform any of its obligations under this Deed; or
 - 8.1.2 Becomes an externally-administered body corporate within the meaning of the *Corporations Act 2001*.
- 8.2 If Canberra Estates defaults under this Deed and does not remedy the default after reasonable notice to do so from Council, Council may:
 - 8.2.1 Terminate this Deed immediately by notice in writing to Canberra Estates;
 Recover from Canberra Estates any loss suffered by the Council due to
 Canberra Estates' default; and
 - 8.2.2 Exercise any of its other legal rights.

9 USE

- 9.1 Canberra Estates will not use the Park for any activity inconsistent with the purpose of complying with the Approved Plans.
- 9.2 Canberra Estates will use its best endeavours to ensure that its use does not cause any damage to the Park including erosion or contamination.

10 FURTHER ASSURANCE

10.1 Each party must promptly at its own Cost do all things (including executing all documents) necessary or desirable to give full effect to this Deed.

11 **SEVERABILITY**

11.1 If any provision in this Deed is unenforceable, illegal or void, then it is severed and the rest of this Deed remains in force.

12 ENTIRE UNDERSTANDING

- 12.1 This Deed:
 - 12.1.1 Is the entire Deed and understanding between the parties on everything connected with the subject matter of this Deed; and
 - 12.1.2 Supersedes any prior Deed or understanding on anything connected with that subject matter.
- 12.2 Each party has entered into this Deed without relying upon any representation by any other party or any person purporting to represent that party.

13 VARIATON

13.1 An amendment or variation to this Deed is not effective unless it is in writing and signed by the parties.

14 WAIVER

- 14.1 A party's failure or delay to exercise a power or right does not operate as a waiver of that power or right.
- 14.2 The exercise of a power of right does not preclude either its exercise in the future or the exercise of any other power or right.
- 14.3 A waiver is not effective unless it is in writing.
- 14.4 Wavier of a power or right is effective only in respect of the specific instance to which it relates and for the specific purpose for which it is given.

15 COST AND OUTLAYS

- 15.1 Each party will bear its own costs connected with the negotiation, preparation and execution of this Deed.
- 15.2 Canberra Estates must pay all stamp duty and other government imposts payable in connection with this Deed and all other documents and matters referred to in this Deed when due or earlier if requested in writing.

16 NOTICES

- 16.1 A notice or other communication connected with this Deed ("**Notice**") has no legal effect unless it is in writing.
- 16.2 In addition to any other method of service provided by law, the Notice may be:
 - Sent by prepaid post to the addressee at the address set out in this Deed or subsequently notified;
 - 16.2.2 Sent by facsimile to the facsimile number of the addressee; or
 - Delivered at the address of the addressee set out in this Deed or subsequently notified.
- 16.3 A Notice must be treated as given and received:
 - 16.3.1 If sent by post, on the 2nd Business Day (at the address to which it is posted) after posting;
 - 16.3.2 If sent by facsimile before 5:00pm on a Business Day at the place of receipt, on the day it was sent or otherwise on the next Business Day at the place of receipt; or

- 16.3.3 If otherwise delivered before 5:00pm on a Business Day at the place of delivery, upon delivery, or otherwise on the next Business Day at the place of delivery.
- 16.4 Despite clause 6.3.2 a facsimile is not treated as given or received unless at the end of transmission the sender's facsimile machine issues a report confirming the transmission of the number of pages in the Notice.
- 16.5 A Notice sent or delivered in a manner provided by clause 18.2 must be treated as validly given to and received by the party to which it is addressed event if:
 - The addressee has been wound up or deregistered or is absent from the place at which the Notice is delivered or to which it is sent; or
 - 16.5.2 The Notice is returned unclaimed.
- 16.6 Any Notice by a party may be given and may be signed by its solicitor.
- 16.7 Any Notice to a party may be given to its solicitor by any of the means listed in clause 18.2 to the solicitor's business address or facsimile number.

17 GOVERNING LAW AND JURISDICTION

. . 61 .

- 17.1 The law of Queensland governs this Deed.
- 17.2 The parties submit to the non-exclusive jurisdiction of the courts of Queensland and of the Commonwealth of Australia.

18 DEALING IN RESPECT OF LAND

18.1 Dealing with the Land

- 18.1.1 Council is not during the Term to transfer or otherwise dispose of to the Park unless the Council gives to the person the subject of such a dealing a Notice which states the following:
 - (a) that the Park is subject to this document; and
 - (b) that there may be obligations on the part of the Council which are unperformed and unfulfilled.
- Council is not to sell the Park to another person ("Transferee") without the Council and the Transferee executing a document in which the Transferee covenants and agrees with the Council and Canberra Estates to the following and executes a document in which the Transferee covenants and agreed with the Council and Canberra Estates to the following:
 - (i) that the Park is subject to this document; and
 - (ii) upon the Transferee becoming the owner of the Park the Transferee becomes contractually bound to the

Council and Canberra Estates to perform and fulfil Council's obligations under this Deed as if the Transferee was originally named in the document as the Council.

EXECUTED as a Deed.

Executed by Canberra Estates Consortium No.36 Pty Ltd ABN 90 156 442 312 in accordance with section 127 of the Corporations Act 2001

Director

Director / Secretary

IPSWICH CITY COUNCIL
Signed by Craig Maudsley on
as duly authorised Council delegate under
section 238 of the Local Government
Regulation 2012

Witness

Name of Witness (Print)

Appendix H

EPBC approval and conditions granted 4 March 2014



Approval

Woodlink Project – Master Planned Residential Community, Collingwood Park, QLD, (EPBC 2013/6866)

This decision is made under sections 130(1) and 133 of the *Environment Protection and Biodiversity Conservation Act 1999*.

Proposed action

person to whom the approval is granted	Canberra Estates Consortium No. 36 Pty Ltd		
<u> </u>			
proponent's ACN (if applicable)	ACN: 156 442 312		
proposed action	To develop the Woodlink residential community in Collingwood Park, Queensland [See EPBC Act referral 2013/6866].		

Approval decision

Controlling Provision	Decision
Listed threatened species and communities (sections 18 & 18A)	Approve

conditions of approval

This approval is subject to the conditions specified below.

expiry date of approval

This approval has effect until 31 January 2034.

Decision-make	r
---------------	---

name and position

Chris Murphy

Acting Assistant Secretary

Queensland and Sea Dumping Assessment Branch

signature

date of decision

4

March 2014

- 1. The approval holder must not remove or fragment more than 25.9 hectares of habitat critical to the survival of the Koala. Impacts to habitat critical to the survival of the Koala must be limited to the project area shown in Attachment 1.
- 2. The approval holder must prepare a Koala Management Plan to address management measures to avoid and mitigate impacts to Koalas.
 - a. The Koala Management Plan must be submitted to the **Minister** for approval no less than three months prior to its intended implementation. Once approved the Koala Management Plan must be implemented.
 - b. The Koala Management Plan must be implemented prior to **commencement of the action**, or as otherwise directed in writing by the **Minister**.
 - c. The Koala Management Plan must include, but not be limited to:
 - i. details of pre-clearance survey methods for Koalas within the **project** area to be undertaken prior to **commencement of the action**.
 - ii. details of measures to mitigate impacts to Koalas within the **project** area, including, but not limited to:
 - provision for a qualified fauna spotter-catcher to undertake surveys and handling of Koalas prior to and during commencement of the action;
 - 2. construction of temporary and permanent fauna exclusion fencing;
 - 3. implementation of appropriate vehicle speed limits;
 - 4. utilisation of plant species in the **project area** that will not attract Koalas to the **project area**;
 - 5. implementation of traffic calming and awareness signage; and
 - 6. provision of off-leash dog facilities, on-leash areas and dog prohibited areas.
 - iii. details of methods for Koala **relocation activities**, to be undertaken prior to and during **commencement of the action** including the identification and description of suitable recipient Koala habitat.
 - iv. process for reporting results from pre-clearance surveys and relocation activities, including, but not be limited to:
 - 1. identification of a website in which information would be made available to the public;
 - timing and frequency for providing reporting information to the Department;
 - 3. provision of the following details, at a minimum, to be recorded if any Koalas are captured during **relocation** activities:
 - sex
 - age class
 - time and date of capture
 - method of capture

- location of capture (Global Positioning System (GPS))
- state of health
- any veterinary intervention required
- time held in captivity
- · location of release (GPS) and date
- 4. provision of the following details, at a minimum, to be recorded for incidents if any Koalas are injured or killed:
 - time, location (GPS) and nature of incident
 - details of Koalas (including sex and age class)
 - measures taken to address incident.
- 3. To offset the residual impacts to Koala, the **approval holder** must implement mechanisms to provide enduring protection, over a minimum of 27 hectares, to the offset site referred to as 'Goodna Creek Offset and Rehabilitation Area' as shown at Attachment 1.

The protection mechanisms implemented by the **approval holder**, including but not limited to, land access agreements, dedication of land title and zoning under the Ipswich Planning Scheme must be consistent with the conditions of this approval and the principles of the **EPBC Act Offsets Policy**.

Within three years of the date of the approval, the approval holder must provide written evidence to the **Department** demonstrating that the protection mechanisms have been implemented.

- **4.** The **approval holder** must prepare an Offset Management Plan to address significant residual impacts to Koalas as a result of the action.
 - a. Impacts to Koalas that must be offset include:
 - i. the loss of 25.9 hectares of **habitat critical to the survival of the Koala**, and
 - ii. injury and mortality of Koalas.
 - b. The Offset Management Plan must include, but not be limited to:
 - i. a detailed description of all affected values and the extent and likely timing of the impact/s on each;
 - ii. the offset delivery mechanism(s) comprising land offsets and management, and maintenance of Koala population offset within the 'Goodna Creek Corridor' as shown at Attachment 1;
 - iii. detailed descriptions of how enhanced conservation outcomes for the affected Koalas will be achieved in accordance with the EPBC Act Offsets Policy;
 - iv. contribution of funding to the management and maintenance of the Offset Management Plan;
 - v. timeframes and key milestones for implementation of offsets including, but not limited to, beginning to implement the offset plan prior to commencement of the action;
 - vi. discussion of the risks and uncertainties associated with proposed offsets:
 - vii. mechanisms for monitoring and reporting of offset milestones and

outcomes, including timing and frequency of monitoring and reporting;

- viii. corrective actions and contingency measures to be implemented (including the timing of implementation of these) where monitoring of the offset area/s under the offset plan shows that offset strategies are not effectively achieving a net benefit or key milestones are not being or are unlikely to be met; and
- ix. include textual descriptions and maps clearly defining the locations and boundaries of offset areas. These must be accompanied by a **Shapefile**.
- c. The Offset Management Plan must be developed in consultation with the Department and other relevant stakeholders, including but not limited to, the Ipswich City Council and the Ipswich Koala Protection Society.
- d. The **approval holder** must give consideration to how offsets will contribute to programs or incentives that align with the broader strategies and programs for the conservation and protection of Koalas.
- e. The Offset Management Plan must be submitted to the **Minister** for approval no less than three months prior to its intended implementation. Once approved the Offset Management Plan must be implemented.
- f. The Offset Management Plan must be implemented prior to **commencement of the action**, or as otherwise directed in writing by the **Minister**.
- 5. The most recent approved version of the Koala Management Plan and Offset Management Plan must remain accessible to the public on the website of the approval holder for the duration of the action.
- **6.** Within ten days after the **commencement of the action**, the **approval holder** must advise the **Department** in writing of the actual date of commencement.
- 7. The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the plans required by this approval, and make them available upon request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.
- 8. Any potential or suspected non-compliance with these conditions of approval must be reported to the department in writing within 48 hours of the approval holder becoming aware of the potential or suspected non-compliance. Within three months of every 12 month anniversary of the commencement of the action, the approval holder must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any plans as specified in the conditions. Documentary evidence providing proof of the date of publication must be provided to the **Department** at the same time as the compliance report is published.
- 9. Upon the direction of the Minister, the approval holder must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the Minister. The independent auditor must be approved by the Minister prior to the commencement of the audit. Audit criteria must be agreed to by the Minister and the audit report must address the criteria to the satisfaction of the Minister.

- 10. If the approval holder wishes to carry out any activity otherwise than in accordance with a plan as specified in the conditions, the approval holder must submit to the Department for the Minister's written approval a revised version of that plan. The varied activity shall not commence until the Minister has approved the varied plan in writing. If the Minister approves the revised plan, that plan must be implemented in place of the plan originally approved.
- 11. If the Minister believes that it is necessary or convenient for the better protection of Koala to do so, the Minister may request that the approval holder make specified revisions to a plan specified in the conditions and submit the revised plan for the Minister's written approval. The approval holder must comply with any such request. The revised approved plan must be implemented. Unless the Minister has approved the revised plan, then the approval holder must continue to implement the plan originally approved, as specified in the conditions.
- 12. If, at any time after five years from the date of this approval, the approval holder has not commenced the action, then the approval holder must not commence the action without the written agreement of the Minister.

Definitions:

Approval holder: means the person to whom the approval is granted.

Commencement of the action/commence(d) the action: means any works involved in the construction phase of the project, including clearing vegetation, the erection of any onsite temporary structures and the use of heavy duty equipment for the purpose of breaking the ground for buildings or infrastructure. This excludes the erection of signage, fences, barriers or bunting for the purposes of excluding areas containing listed threatened species.

Department: the Australian Government Department responsible for the *Environment Protection and Biodiversity Conservation Act 1999.*

EPBC Act: means the *Commonwealth Environment Protection and Biodiversity Conservation Act* 1999.

EPBC Act Offsets Policy: means the *Environment Protection and Biodiversity Conservation Act 1999 Environmental Offsets Policy* (October 2012) or any subsequent revisions.

Habitat critical to the survival of the Koala: Koala habitat that is considered to be important for the species' long-term survival and recovery. An impact area that scores five or more using the habitat assessment tool for the Koala in Table 3 of the *Draft EPBC Act referral guidelines for the vulnerable koala (combined populations of Queensland, New South Wales and the Australian Capital Territory)* contains habitat critical to the survival of the Koala.

Minister: The Minister responsible for administering the *Environment Protection and Biodiversity Conservation Act* 1999 (Cth).

Offset attributes: means an '.xls' file capturing relevant attributes of the offset site, including the EPBC Act reference ID number, the physical address of the offset site, coordinates of the boundary points in decimal degrees, the EPBC Act protected matters that the offset compensates for, any additional EPBC Act protected matters that are benefitting from the offset, and the size of the offset site in hectares.

Project area: refer to 'Woodlink development / works area incl. parks & vegetation corridor areas' at Attachment 1: Development and Offset / Rehabilitation Areas.

Qualified fauna spotter-catcher: must be licensed under relevant state legislation, and have demonstrated experience in surveying for and identifying listed threatened species, including Koala.

Shapefile: means an ESRI Shape file containing '.shp', '.shx' and '.dbf' files and other files capturing attributes of the offset site, including the shape, EPBC reference ID number and EPBC protected matters present at the relevant site. Attributes should also be captured in '.xls' format.

Suitable recipient Koala habitat: means an area that:

- is known to contain, or has historically contained Koalas;
- contains Koala habitat which is the same in type to the habitat in the project area, or is known to be able to support Koalas proposed to be translocated and contains appropriate and sufficient sources of food;
- is of sufficient size to allow for dispersal of individuals from the point of release, and
- is not at maximum carrying capacity for Koalas and translocated individuals are not considered likely to have significant impacts on resident Koalas.

Relocation activities: means any human-mediated activity involved in the capture and release of Koalas from the project area into suitable recipient **Koala habitat** within the offset area, including trapping, handling, holding in captivity, veterinary treatment, transportation and release.

Attachment 1:



Appendix I

Lifestyle guidelines for Woodlinks Village





WOODLINKS

Did you know...

koalas have a relatively well-defined home range and regularly visit the same trees?

As a new resident to Woodlinks Village you also form part of the future custodians of the Goodna Creek Environmental Corridor. You may not have seen them yet, however from time to time you will hear or glimpse the local koala population living side by side with residents of Woodlinks. The vegetated land on Goodna Creek has been purposely set aside, protected and rehabilitated to ensure the existing local koala usage of the site continues as the village is constructed and ultimately completed. To ensure Goodna Creek continues to function for koala movement all residents need to play a role in making sure this vulnerable species is able to coexist as the estate evolves into a full community.

Despite the retention of the corridor and trees along Goodna Creek, as a resident there are a simple ways you can help reduce the dangers koalas face when traversing urban environments.

Legislation

The koala is listed as a Vulnerable Fauna Species under the Commonwealth Government's Environment Protection and Biodiversity Conservation Act 1999 and the Queensland Government's Nature Conservation Act 1992. Along with specific controls put in place by Ipswich City Council all of these levels of government have had a role in the assessment and approval of the Woodlinks Village estate. The Goodna Creek Corridor is one of the first environmental offsets approved by the Commonwealth Government since the listing of the Koala in 2012.

Koala Trees in Landscaping

Did you know an adult koala can eat up to 1 kilo of gum leaves each night?

Any tree can provide shelter or refuge for a koala when avoiding predators or adverse weather, however a number of the large Eucalypt and Corymbia species along Goodna Creek are preferred for food and habitat. These trees have been protected and are currently being bolstered for this purpose. Importantly none of the street trees or fresh landscaping away from the Goodna Creek includes new koala food tree plantings. These have been deliberately excluded from the estate to avoid attracting koalas outside of the corridor to where housing occurs and the risk of dog attack vehicle strike is amplified.

You can support this outcome by ensuring you don't plant large gum trees around your own house and gardens (these species are not that suitable for these areas regardless of the koala).



Responsible Pet Ownership

Dog attacks on koalas result in death or very serious injuries. All dogs have the ability to cause stress to koalas with medium and large dogs more responsible for physical attacks. The Goodna Creek Corridor Parkland should only be utilised by dogs on a lead in constant control of the pet owner. Once the esplanade road is completed signage explaining these requirements will be installed at all entry and exit points to the parkland.

A dog off-leash facility is planned for the next local park to be constructed in the Woodlinks Village. Please utilise this area when letting your pet roam freely.

Dogs can behave differently when their owner is not present, particularly if a strange person or animal enters their territory. You can minimise the potential for your dog to attack a koala by ensuring it's contained to your property when not on a lead, particularly at night.

If You Find a Sick, Injured or Orphaned Koala

Don't try to handle a sick or injured koala, as you may put yourself or the animal in a situation where there is a risk of further injury. Koalas can also become easily stressed. Leave the koala undisturbed and ensure it is safe from further threats then contact either of the following groups for assistance:

The Ipswich Koala Protection Society – Koala Rescue

Phone: (07) 5464 6274 or

(07) 3832 5035

Daisy Hill Koala Centre Daisy Hill Road, Daisy Hill Qld 4127

Phone: (07) 3299 1032

Prepared by



