

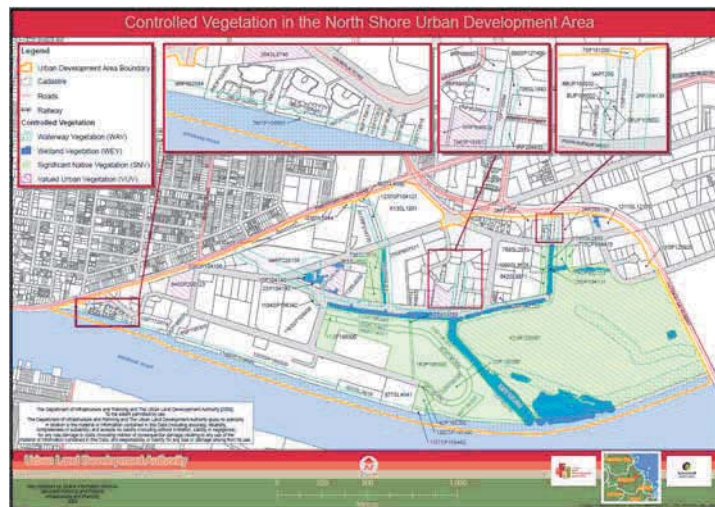
Vegetation Clearing Management Plan – Cullen Ave Drainage Works

Location Map

Source: Gecko, May 2017



EDQ controlled Vegetation mapping

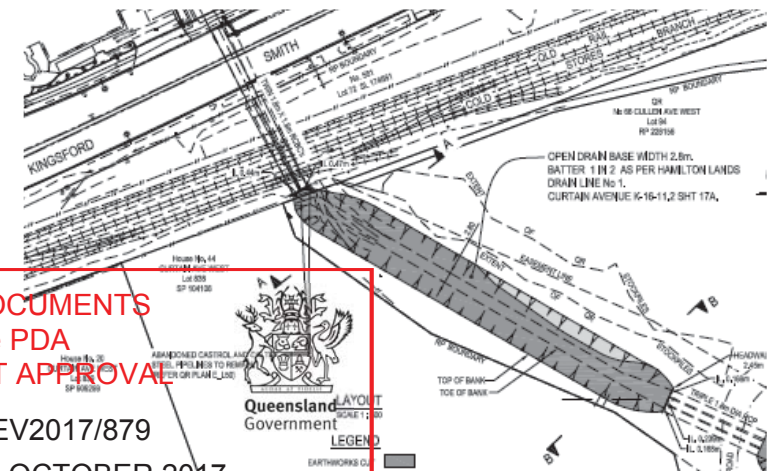


Significant Vegetation Survey

Source: Nearmap, Sept 2017



Drainage design – desilting and channel formation



PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2017/879

Date: 11 OCTOBER 2017

City Projects Office

Brisbane City Council



Dedicated to a better Krishna

Telephone: 07- 3027 5550
Facsimile: 07- 334 0225
tsoffice@brisbane.qld.gov.au

DESCRIPTION	DATE	DRAWN	AUTH.	ISSUE	DESCRIPTION	DATE	DRAWN	AUTH.	Project	Title	DESIGN DATE	DESIGN CHECK
									Kingsford Smith Drive upgrade project, Kingsford Smith Drive, Hamilton	Curtain Ave Drainage Works, 66 Curtain Ave West, Eagle Farm		
											DATE September 2017	DRAWING CHECK
											AUTHORISED FOR ISSUE ORIGINAL SIGNED BY:	REFERENCE NO. CA17840068
												SCALE
											Project Number/Sheet Sheet 1 of 3	ISSUE 1

Vegetation Clearing Management Plan – Cullen Ave Drainage Works

Recent Site Photographs



Photograph 1: Seven (7) grey mangrove stems



Photograph 2: Three (3) grey mangrove stems

Vegetation Clearing Management Plan - Vegetation Clearing Notes

INTRODUCTION

The purpose of this *Vegetation Clearing Management Plan (VCMP)* is to manage the removal process of grey mangroves associated with the proposed stormwater drainage maintenance works and provide for the protection of fauna species present within the proposed area of works.

The proposed clearing works are to be undertaken by Brisbane City Council - Field Services in accordance with the general principles for vegetation clearing outlined on this sheet.

This VCMP has been developed following the collection of site survey data, a vegetation survey and site inspection (18/09/2017).

CLEARING PHASES AND PROCESS

The following stages are required for clearing to be undertaken

Phase 1 – Pre-start meeting

A pre-start meeting shall be held prior to the commencement of clearing activities to review the scope, process of clearing activities, communication methods to be used between the fauna spotter-catcher and clearing. This meeting must involve an appropriately qualified fauna spotter-catcher (holding a valid Wildlife Rehabilitation Permit issued by the Department of Environment and Heritage Protection), all personnel involved in clearing activities, City Project Office project management personnel and, as required, relevant EDQ officers.

Phase 2 – Fauna Inspections and Management

Immediately prior to the commencement of clearing works, a visual inspection of all vegetation and surrounds must be carried out by the fauna spotter-catcher. Following the inspection and any resultant collections of fauna. The area is to be approved for clearing by the fauna spotter-catcher.

Phase 3 – Undertake vegetation clearing

Undertake complete removal of the significant vegetation (grey mangroves) once approved by the fauna spotter-catcher.

Phase 4 – Post clearing works

Post clearing works it is understood that the bulk earthworks will be undertaken. Until permanent bank stabilisation has been achieved temporary ground covers are to be provided to protect the exposed area from erosion and prevent sedimentation of the drainage line.

A report is to be provided detailing all pre-clearing inspection findings and any relocations and released to City Projects Office project management staff.

ADDITIONAL NOTES

Vegetation protection measures as outlined in *AS4970-2009 Protection of trees on development sites* are not deemed required as no significant vegetation exists adjacent to the proposed clearing activities.

A copy of this VCMP and any development approvals associated with clearing activities must be on site during the proposed works.

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2017/879

Date: 11 OCTOBER 2017



City Projects Office
Brisbane City Council



MAILING ADDRESS:
GPO Box 1434
Brisbane QLD 4001

Green Square
South Tower
505 St. Paul's Terrace
Fortitude Valley, Q 4006

Telephone 07- 3027 5555
Facsimile 07- 334 6225

e: cityprojects@brisbane.qld.gov.au

Dedicated to a better Brisbane

DESCRIPTION

DATE

DRAWN

AUTH.

ISSUE

DESCRIPTION

DATE

DRAWN

AUTH.

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

REVISIONS AND COMMENTS

Project

Kingsford Smith
Drive upgrade
project,
Kingsford Smith
Drive, Hamilton

Title

Curtain Ave
Drainage Works,
66 Curtain Ave West,
Eagle Farm

DESIGN

DATE

DESIGN CHECK

DRAWN

DATE

DRAWING CHECK

DH

Sept 2017

AUTHORISED FOR ISSUE

ORIGINAL SIGNED BY:

REFERENCE NO.

CAL7840068

Project Number/Sheet

Sheet 2 of 3

ISSUE

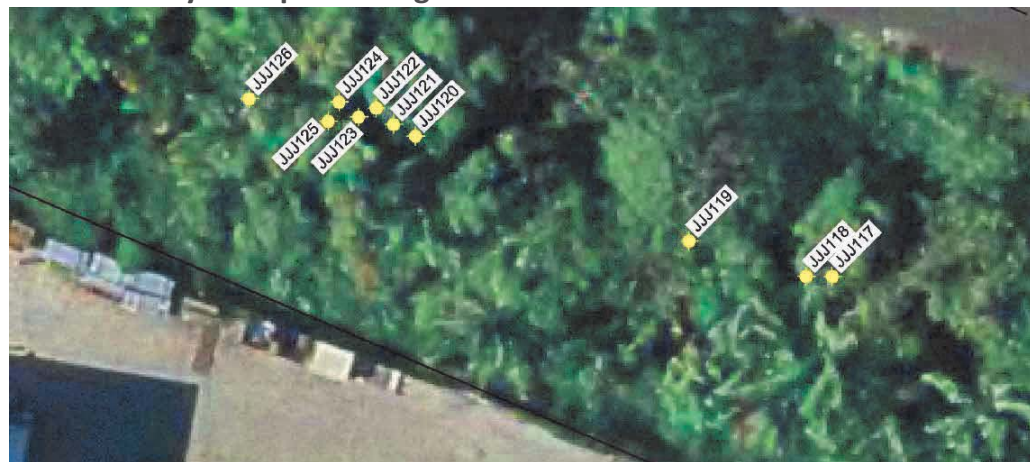
1

Vegetation Clearing Management Plan – Cullen Ave Drainage Works

Table of impacted vegetation

Specimen details								Canopy condition							Trunk condition				Fauna Details and Habitat Value							Additional Notes
Tree ID	Botanical Name	Common Name	Trunk DBH (mm)	Height (m)	Spread (m)	Tree Protection Zone (m)	Structural Root Zone (m)	Canopy Form	Spreading	Seeding	Thinning	Die-back	Epicormic Growth	Lopped	Canopy Health	Leaning	Vines	Trunk Damage	Trunk health	Scats	Scratches	Hollows	Nest	Termites	Habitat Value	
117	<i>Avicennia marina</i>	Grey mangrove	250	7.5	5	3.0	1.8	Regular	-	-	-	-	-	-	Average	-	-	Mild	Average	-	-	-	-	✓	Perching	-
118	<i>Avicennia marina</i>	Grey mangrove	175	7	4	2.1	1.6	Regular	-	-	✓	✓	-	-	Average	-	✓	Mild	Average	-	-	-	-	-	Perching	Weed impacted
119	<i>Avicennia marina</i>	Grey mangrove	200	7	4	2.4	1.7	Regular	-	-	✓	✓	-	-	Average	-	✓	Mild	Average	-	-	-	-	-	Perching	-
120	<i>Avicennia marina</i>	Grey mangrove	250	5	3	3.0	1.8	Regular	-	-	-	-	-	-	Poor	✓	✓	Mild	Poor	-	-	-	-	-	Perching	Weed impacted
121	<i>Avicennia marina</i>	Grey mangrove	250	8	3	3.0	1.8	Regular	-	-	✓	✓	-	-	Poor	-	✓	-	Average	-	-	-	-	-	Perching	Weed impacted
122	<i>Avicennia marina</i>	Grey mangrove	300	8	2.5	3.6	2.0	Regular	-	-	✓	✓	-	-	Poor	-	✓	-	Average	-	-	-	-	-	Perching	Weed impacted
123	<i>Avicennia marina</i>	Grey mangrove	200	1	-	-	-	Regular	-	-	-	-	-	-	Dead	-	-	-	Dead	-	-	-	-	-	-	Dead – trunk only
124	<i>Avicennia marina</i>	Grey mangrove	200	7	-	-	-	Regular	-	-	-	-	-	-	Dead	✓	✓	-	Dead	-	-	-	-	-	-	Dead – canopy retained
125	<i>Avicennia marina</i>	Grey mangrove	250	8	5	3.0	1.8	Regular	-	-	-	-	-	-	Poor	-	✓	-	Average	-	-	-	-	-	Perching	Weed impacted
126	<i>Avicennia marina</i>	Grey mangrove	175	6	4.5	2.1	1.6	Regular	-	-	-	-	-	-	Average	✓	✓	-	Average	-	-	-	-	-	Perching	-

Aerial survey of impacted vegetation



PLANS AND DOCUMENTS
referred to in the PDA
DEVELOPMENT APPROVAL

Approval no: DEV2017/879

Date: 11 OCTOBER 2017



City Projects Office

Brisbane City Council



MAILING ADDRESS:
GPO Box 1434
Brisbane QLD 4001

Green Square
South Tower
505 St. Pauls Terrace
Fortitude Valley, Q 4006

Telephone: 07- 3027 5550
Facsimile: 07- 334 0225
e-mail: cityprojectsoffice@brisbane.qld.gov.au

DESCRIPTION

DATE

DRAWN

AUTH.

ISSUE

DESCRIPTION

DATE

DRAWN

AUTH.

MAGNETIC AND CADASTRAL DATA DISCLAIMER
While every care is taken by Brisbane City Council (BCC) and the Department of Environment and Resource Management (DERM) to ensure the accuracy of this data supplied by BCC and DERM, BCC and DERM accept no responsibility or representation or warranty about its accuracy, reliability, completeness or suitability for any particular purpose and disclaim all responsibility and liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damages) and costs which may be incurred as a result of data being inaccurate or incomplete in any way and for any reason.

Based on data provided with permission of the Department of Natural Resources and Water
Coloured map (2011)

DIGITALGLOBE
Qusco

DISCLAIMER
Use figures dimensions only. Do not scale from drawings. Check and verify all dimensions on the before fabrication or set out. All rights reserved. This work is copyright and should not be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without prior written permission from Brisbane City Council - City Projects Office.

Project

Kingsford Smith
Drive upgrade
project,
Kingsford Smith
Drive, Hamilton

Title

Curtain Ave
Drainage Works,
66 Curtain Ave West,
Eagle Farm

DESIGN

DATE

DESIGN CHECK

DRAWN

DATE

DRAWING CHECK

AUTHORISED FOR ISSUE
ORIGINAL SIGNED BY:

REFERENCE NO.
CAL71840068

SCALE

Project Number/Sheet Sheet 3 of 3

ISSUE 1