

Appendices

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Appendix A. Drawings

Vineyard Precinct Water Cycle Management Plan



Vineyard
Locality Sketch
Not To Scale

Sheet List Table	
Sheet Number	Sheet Title
0200	Cover Sheet
0201	Existing Site Plan
0202	Existing Catchment Plan
0203	Existing Catchment Flow Path Plan
0204	Existing Stream Order Plan
0205	TUFLOW Existing Land Use Plan
0206	Existing Regional Storm Event Flood Extents 100yr ARI
0207	Existing Local Storm Event Flood Extents 100yr ARI
0208	Proposed Catchment Plan
0209	Proposed Catchment Flow Path Plan
0210	Proposed Creek Alignment and Detention Strategy Plan
0211	TUFLOW Proposed Land Use Plan
0214	Proposed Regional Flood Extents Plan
0216	Proposed Local Flood Extents With Detention
0220	MUSIC Catchment Plan
0221	Proposed Stormwater Treatment Plan
0230	Sections and Details
0240	Basin 1 Plan and Section Sheet
0241	Basin 2 Plan and Section Sheet
0242	Basin 3 Plan and Section Sheet
0243	Basin 4 Plan and Section Sheet
0244	Basin 5 Plan and Section Sheet
0245	Basin 6 Plan and Section Sheet
0246	Basin 7 Plan and Section Sheet
0250	Proposed Channel CK15 Plan
0251	Proposed Channel CK24 Plan
0260	Flood Response Plan

Client

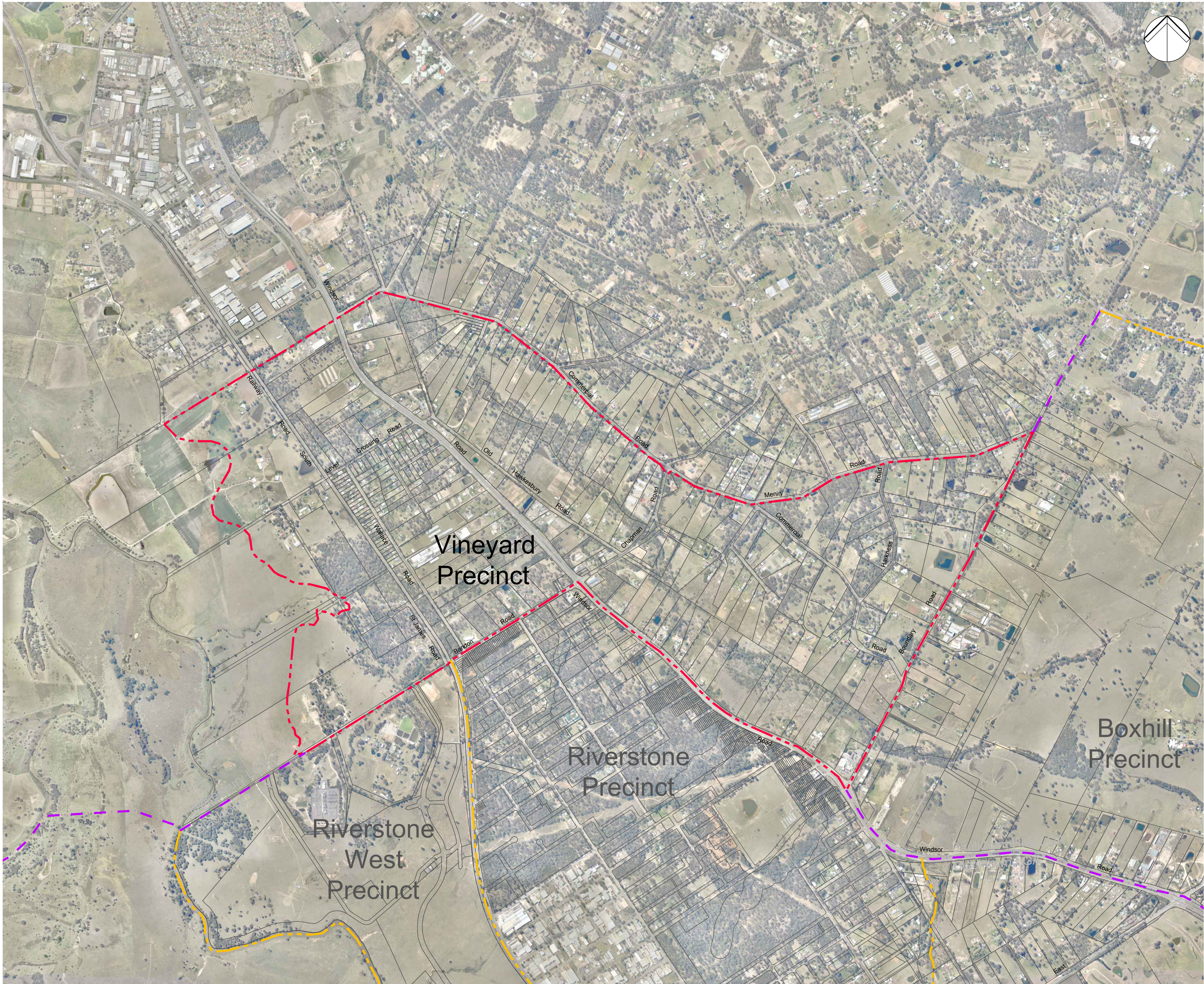


Prepared By



ABN 134 120 353
Level 10, 383 Kent Street, Sydney NSW 2000, PO Box Q1678, QVB Sydney NSW 2123
T +61 2 9098 6800 W www.mottmac.com.au

MM Project No	334311
Dwg No	0200
Revision	P6
Date	19.10.2016
Reason For Issue	Issued for Exhibition



Notes

Key to symbols

- Vineyard precinct boundary
- Surrounding precinct boundary
- LGA boundary
- Existing cadastre

Reference drawings

P6	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P5	14.10.16	MMc	Issued For Exhibition	GL	-
P4	01.07.15	MMc	Issued For Exhibition	GL	-
P3	03.09.14	AMP	Issued for information	GL	-
P2	29.08.14	AMP	Issued for information	GL	-
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Level 10, 383 Kent Street
Sydney, NSW 2000
Australia
PO Box Q1678
QVB Sydney NSW 1230
T +61 (0)2 9098 6800
W www.mottmac.com.au

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Title
Vineyard Precinct
Water Cycle Management Plan

Existing Site Plan

Designed	JT	Eng check	GL	-
Drawn	DW	Coordination	GL	-
Dwg check	GC	Approved	CJA	-
Scale at A1 1:10000	Status PRE	Rev P6		

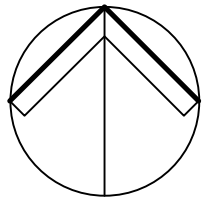
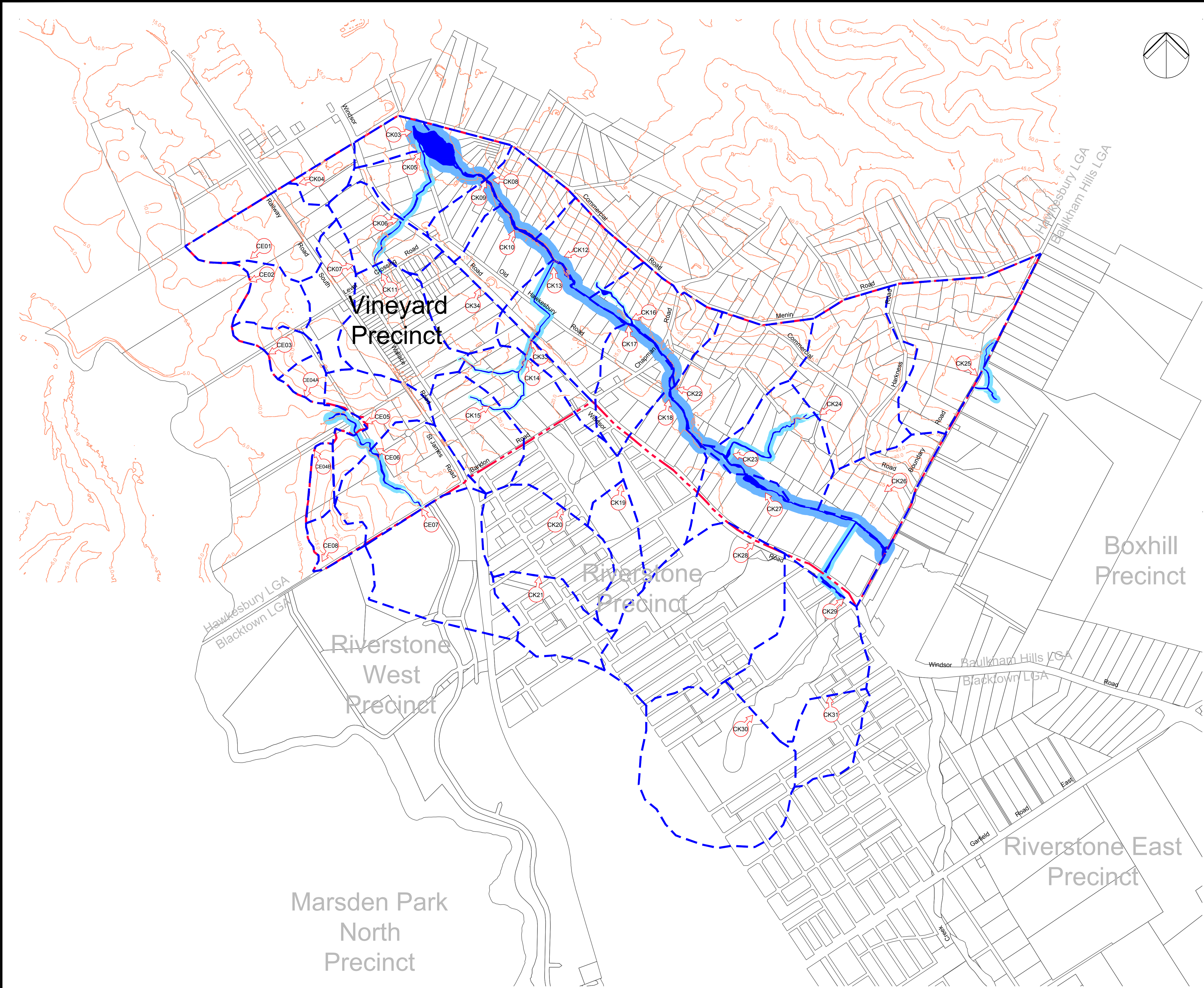
Drawing Number
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Notes

Key to symbols

- Vineyard precinct boundary
- Existing cadastral
- Catchment boundary
- (CFXX)→ Catchment to pit node in drains
- Validated Watercourse
- Riparian Zone - 1st Order Stream
- Riparian Zone - 2nd Order Stream
- Riparian Zone - 3rd Order Stream

Reference drawings

P6	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P5	14.10.16	MMc	Issued For Exhibition	GL	-
P4	01.07.15	MMc	Issued For Exhibition	GL	-
P3	03.09.14	AMP	Issued for information	GL	-
P2	29.08.14	AMP	Issued for information	GL	-
Rev	Date	Drawn	Description	Ch'k'd	App'd



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Title
**Vineyard Precinct
Water Cycle Management Plan**

Existing Catchment Plan

Designed	JT	.	Eng check	GL	.
Drawn	DW	.	Coordination	GL	.
Dwg check	GC	.	Approved	CJA	.
Scale at A1 1:10000	Status PRE	Rev P6			

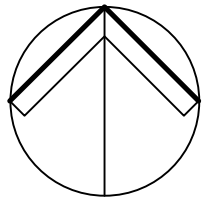
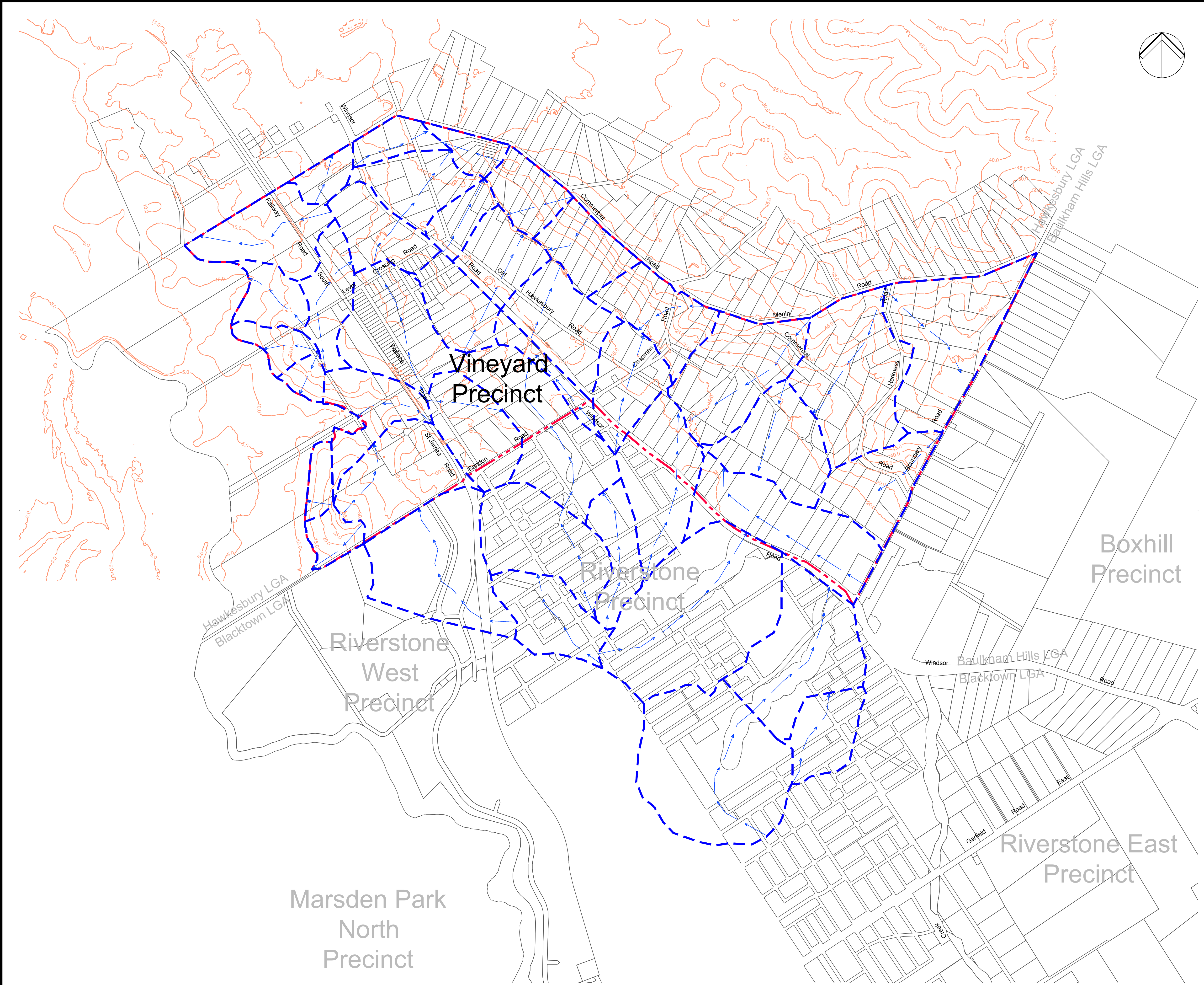
Drawing Number
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Notes

Key to symbols

- Vineyard precinct boundary
- Existing cadastre
- Catchment boundary
- Existing flow path

Reference drawings					
P6	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P5	14.10.16	MMc	Issued For Exhibition	GL	-
P4	01.07.15	MMc	Issued For Exhibition	GL	-
P3	03.09.14	AMP	Issued for information	GL	-
P2	29.08.14	AMP	Issued for information	GL	-
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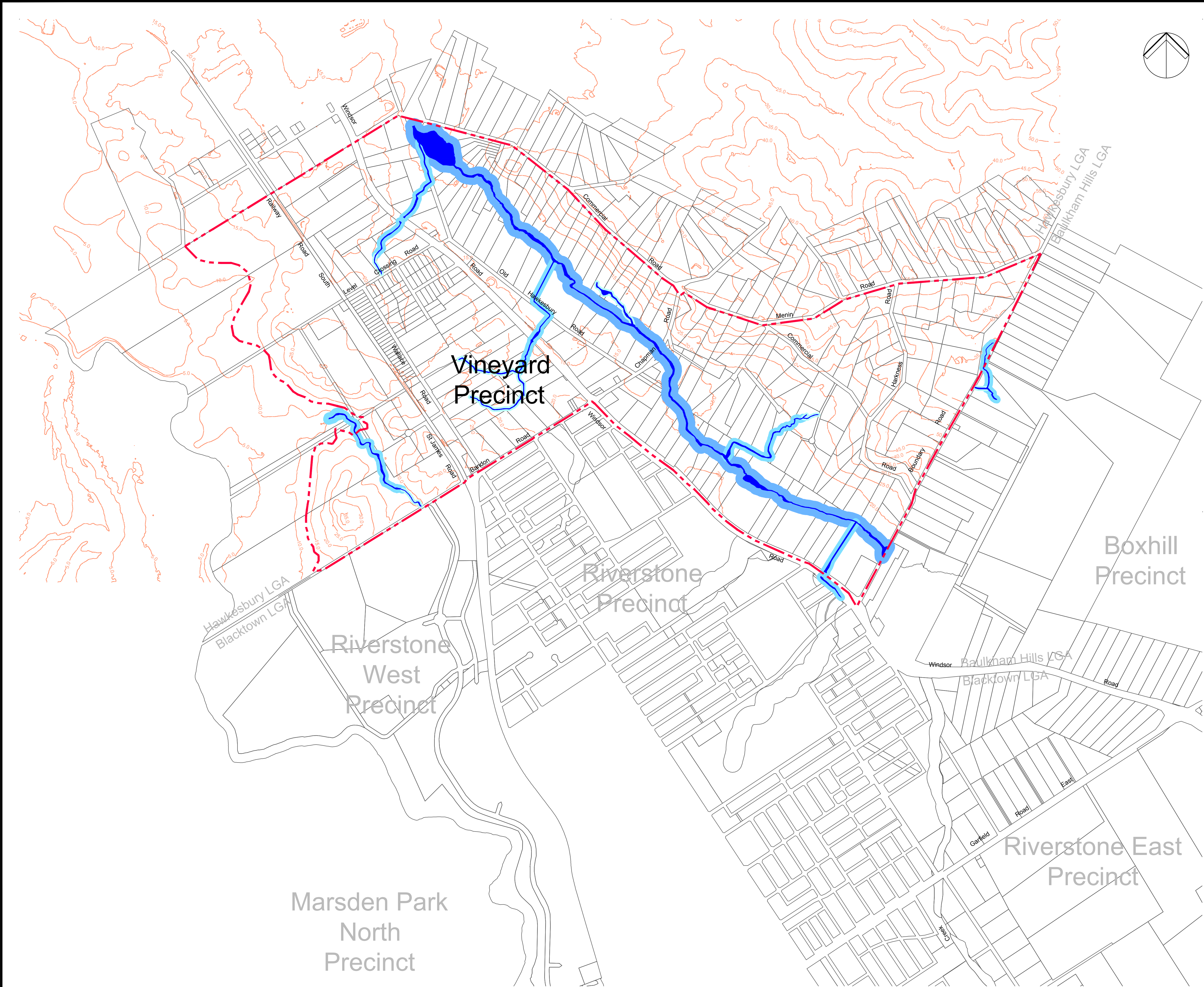
**Planning &
Environment**

Title
Vineyard Precinct
Water Cycle Management Plan

Existing Catchment
Flow Path Plan

Designed	JT	.	Eng check	GL	.
Drawn	DW	.	Coordination	GL	.
Dwg check	GC	.	Approved	CJA	.
Scale at A1	1:10000	Status	PRE	Rev	P6

Drawing Number
MMD-334311-C-DR-VY-XX-0203



Notes

Key to symbols

- Vineyard precinct boundary
- Existing cadastre
- Validated Watercourse
- Riparian Zone - 1st Order Stream
- Riparian Zone - 2nd Order Stream
- Riparian Zone - 3rd Order Stream

Reference drawings					
P6	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P5	14.10.16	MMc	Issued For Exhibition	GL	-
P4	01.07.15	MMc	Issued For Exhibition	GL	-
P3	03.09.14	AMP	Issued for information	GL	-
P2	29.08.14	AMP	Issued for information	GL	-
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QVB Sydney NSW 1230
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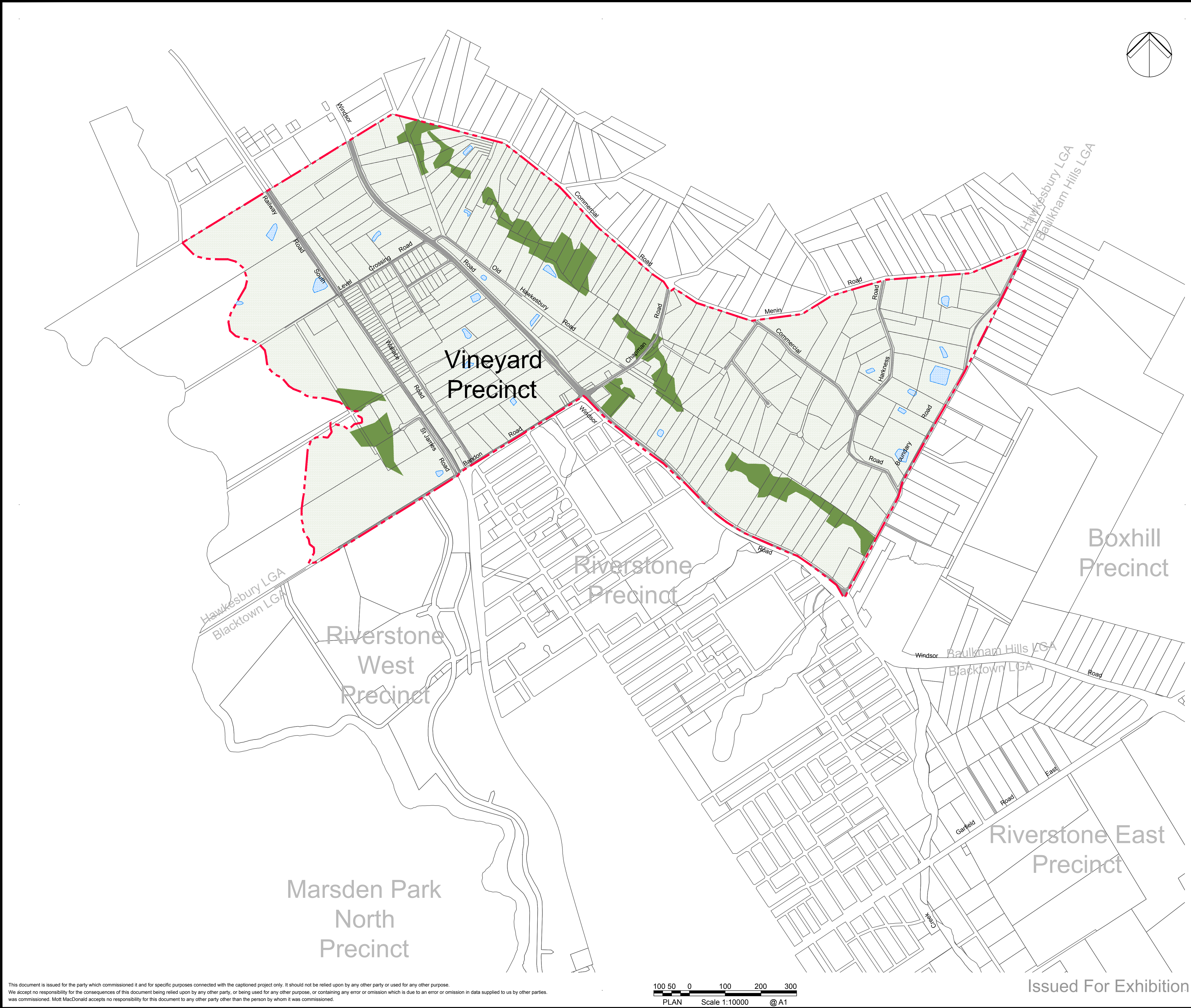
Title
Vineyard Precinct
Water Cycle Management Plan

Existing Stream Order Plan

Designed	JT	.	Eng check	GL	.
Drawn	DW	.	Coordination	GL	.
Dwg check	GC	.	Approved	CJA	.
Scale at A1 1:10000		Status PRE		Rev P6	
Drawing Number MMD-334311-C-DR-VY-XX-0204					

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Notes

Key to symbols

Vineyard precinct boundary

Existing cadastre

Existing Rural Land
Light Vegetation - Manning's Value = 0.05

Existing Rural Land
Dense Vegetation - Manning's Value = 0.12

Water Surface - Manning's Value = 0.035

Roads - Manning's Value = 0.013

Reference drawings

P5	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P4	14.10.16	MMc	Issued For Exhibition	GL	-
P3	01.07.15	MMc	Issued For Exhibition	GL	-
P2	03.09.14	AMP	Issued for information	GL	-
P1	29.08.14	AMP	Issued for information	GL	-
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Title

Vineyard Precinct
Water Cycle Management Plan

TUFLOW Existing Land Use Plan

Designed	JT	Eng check	GL	
Drawn	DW	Coordination	GL	
Dwg check	GC	Approved	CJA	
Scale at A1 1:10000	Status PRE	Rev P5		

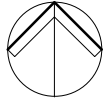
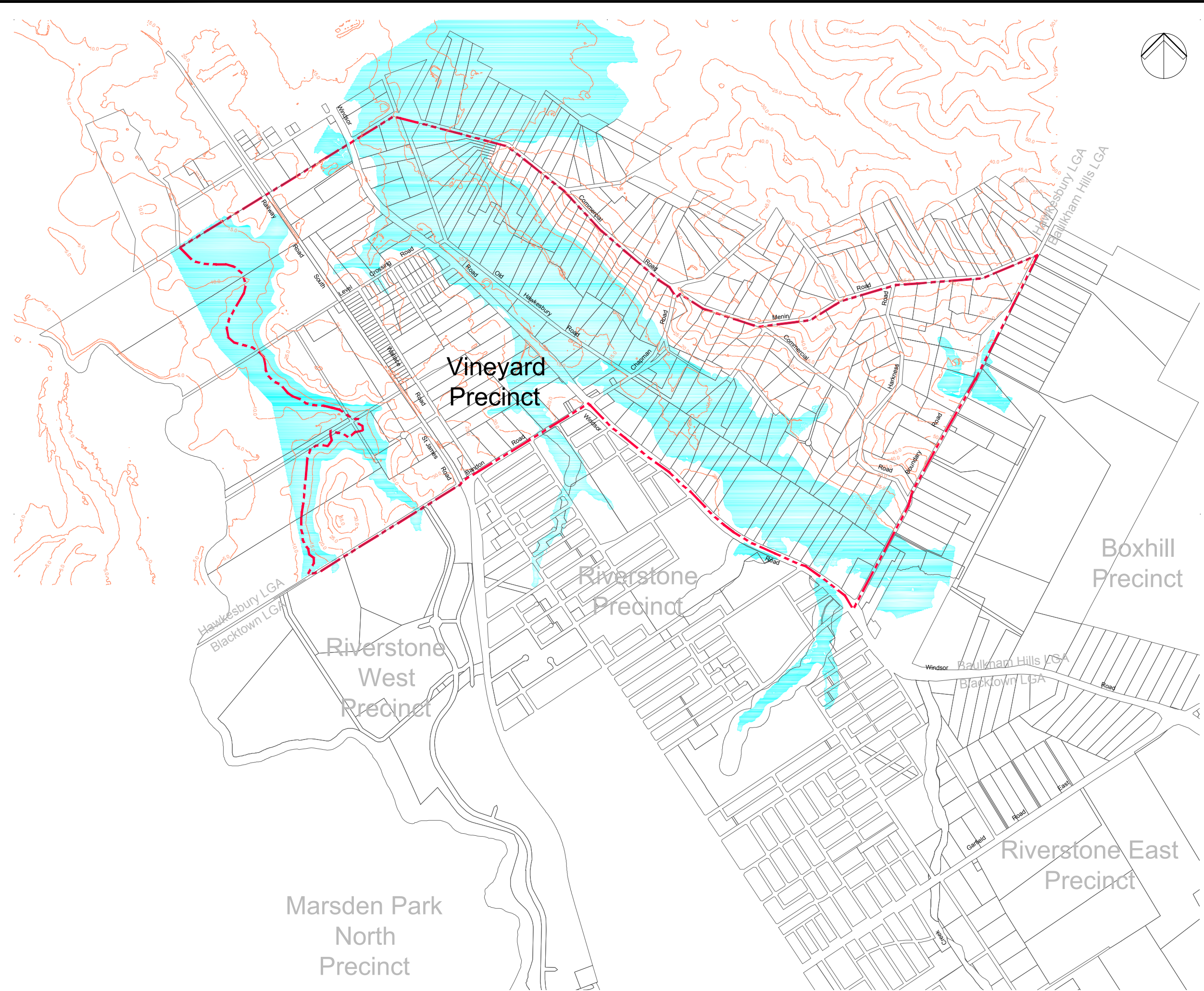
Drawing Number
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Notes

Key to symbols

- Vineyard precinct boundary
- Existing cadastre
- 100yr Flood extent
- 100yr Regional Flood area

Reference drawings					
P5	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P4	14.10.16	MMc	Issued For Exhibition	GL	-
P3	01.07.15	MMc	Issued For Exhibition	GL	-
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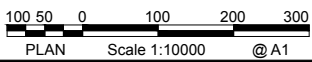
Title
**Vineyard Precinct
Water Cycle Management Plan**

**Existing Regional Storm Event
Flood Extents 100 yr ARI**

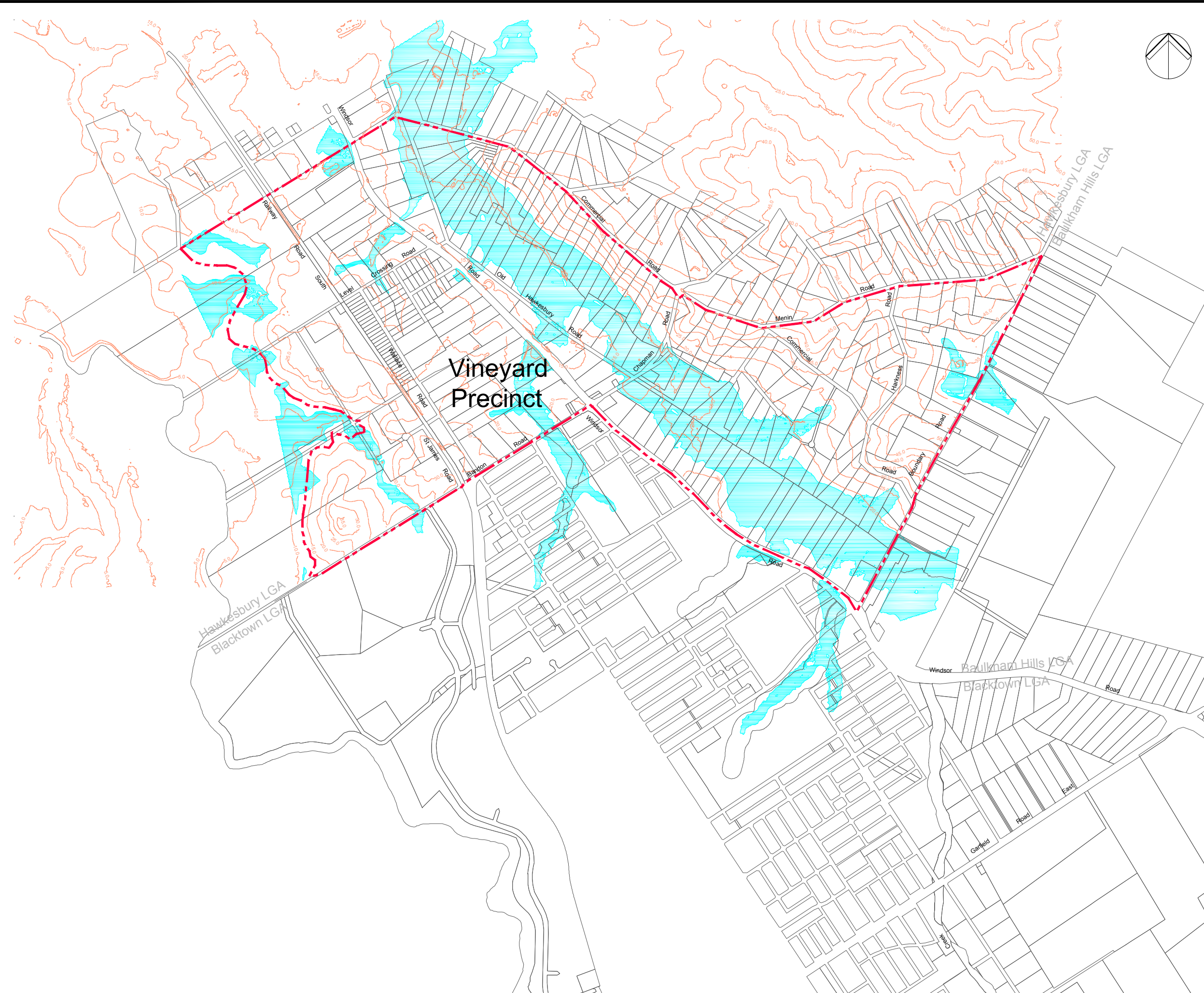
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Dwg check	GC	-	Approved	CJA	-
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Drawing Number
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Notes

Key to symbols

- Vineyard precinct boundary
- Existing cadastre
- 100yr Local flood extents
- 100yr Local Flood area

Reference drawings

Rev	Date	Drawn	Description	Ch'k'd	App'd
P6	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P5	14.10.16	MMc	Issued For Exhibition	GL	-
P4	01.07.15	MMc	Issued For Exhibition	GL	-
P3	03.09.14	AMP	Issued for information	GL	-
P2	29.08.14	AMP	Issued for information	GL	-

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Australia
PO Box Q1678
QVB Sydney NSW 1230
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Title

Vineyard Precinct
Water Cycle Management Plan

Existing Local Storm Event
Flood Extents 100yr ARI

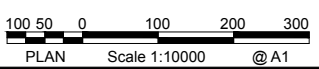
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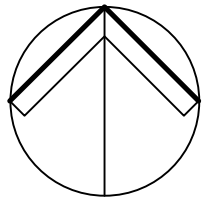
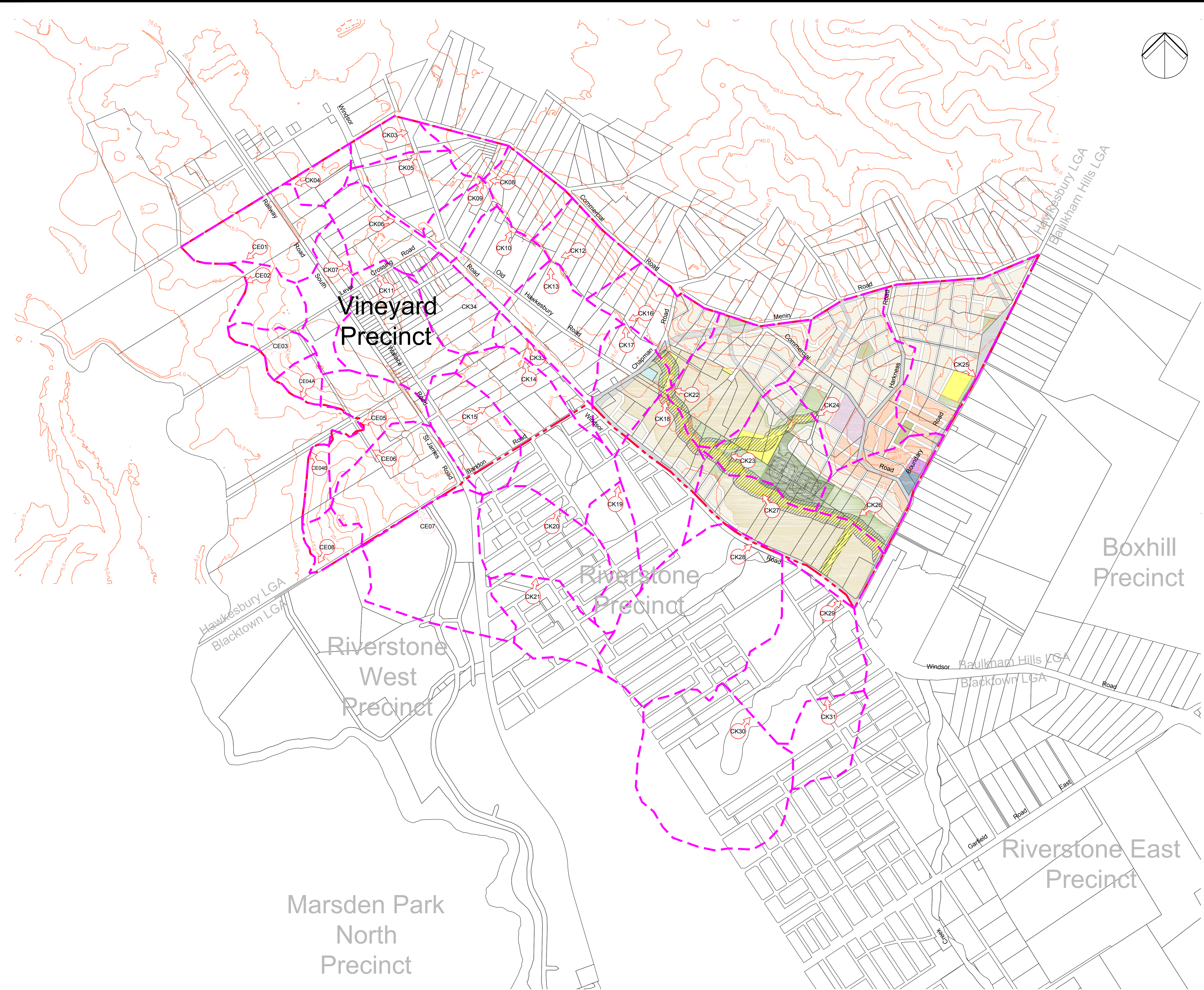
Scale at A1	Status	Rev
1:10000	PRE	P6

Drawing Number
MMD-334311-C-DR-VY-XX-0207

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Notes

Key to symbols

- Vineyard precinct boundary
- Existing road
- Catchment boundary
- Catchment to pit node in drains

Reference drawings					
P7	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P6	14.10.16	MMc	Issued For Exhibition	GL	-
P5	20.07.15	JK	Issued For Exhibition	GL	-
P4	01.07.15	MMc	Issued For Exhibition	GL	-
P3	03.09.14	AMP	Issued for information	GL	-
Rev	Date	Drawn	Description	Ch'k'd	App'd

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Australia
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Title
**Vineyard Precinct
Water Cycle Management Plan**

Proposed Catchment Plan

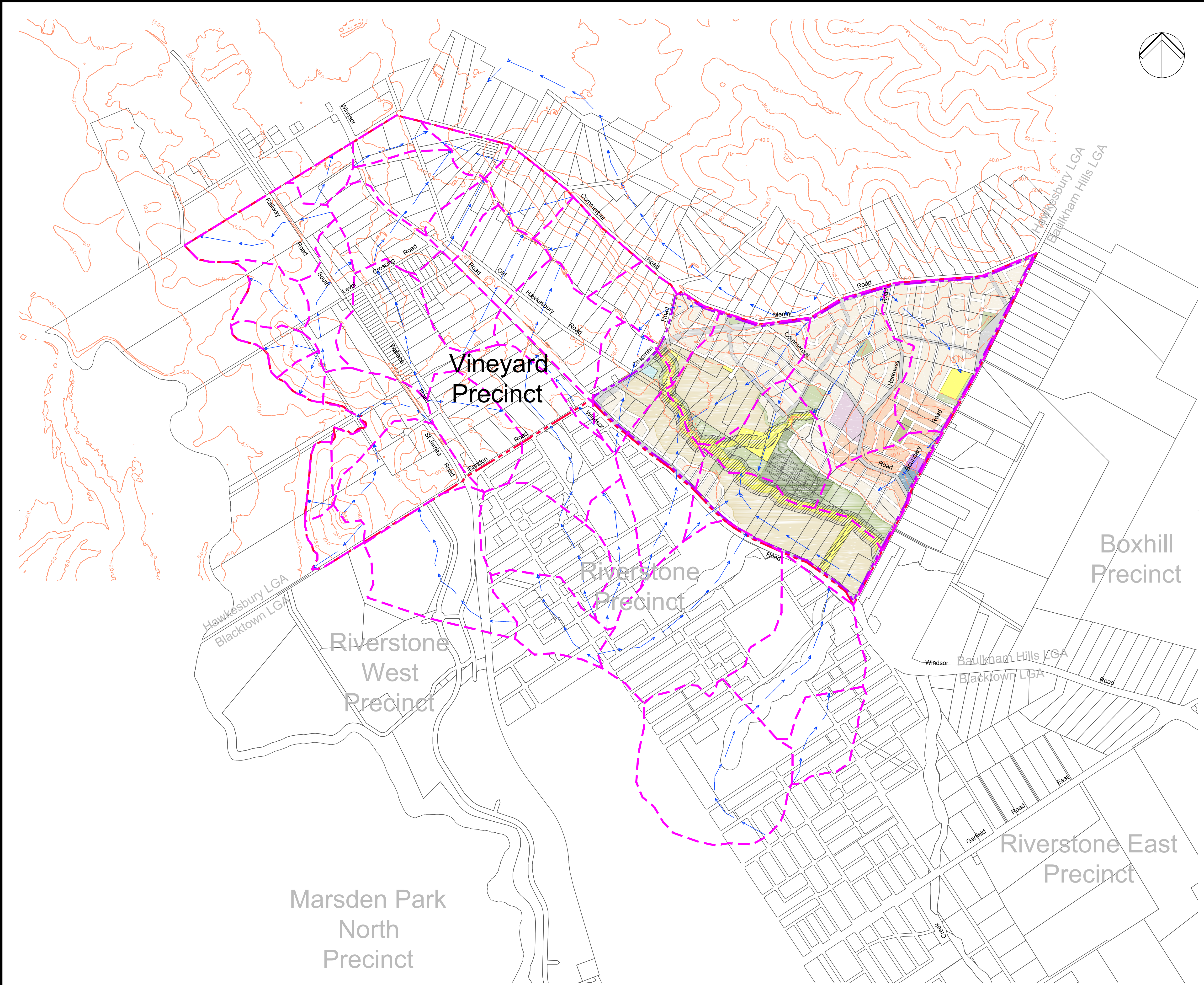
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Dwg check	GC	.	Approved	CJA	.
Scale at A1 1:10000	Status PRE	Rev P7			

Drawing Number
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Notes

Key to symbols

	Vineyard precinct boundary
	Vineyard precinct stage 1 boundary
	Existing cadastral
	Catchment boundary
	Proposed flow path

Reference drawings

Rev	Date	Drawn	Description	Ch'k'd	App'd
P7	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P6	14.10.16	MMc	Issued For Exhibition	GL	-
P5	20.07.15	JK	Issued For Exhibition	GL	-
P4	01.07.15	MMc	Issued For Exhibition	GL	-
P3	02.09.14	AMP	Issued for information	GL	-

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Title
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Water Cycle Management Plan

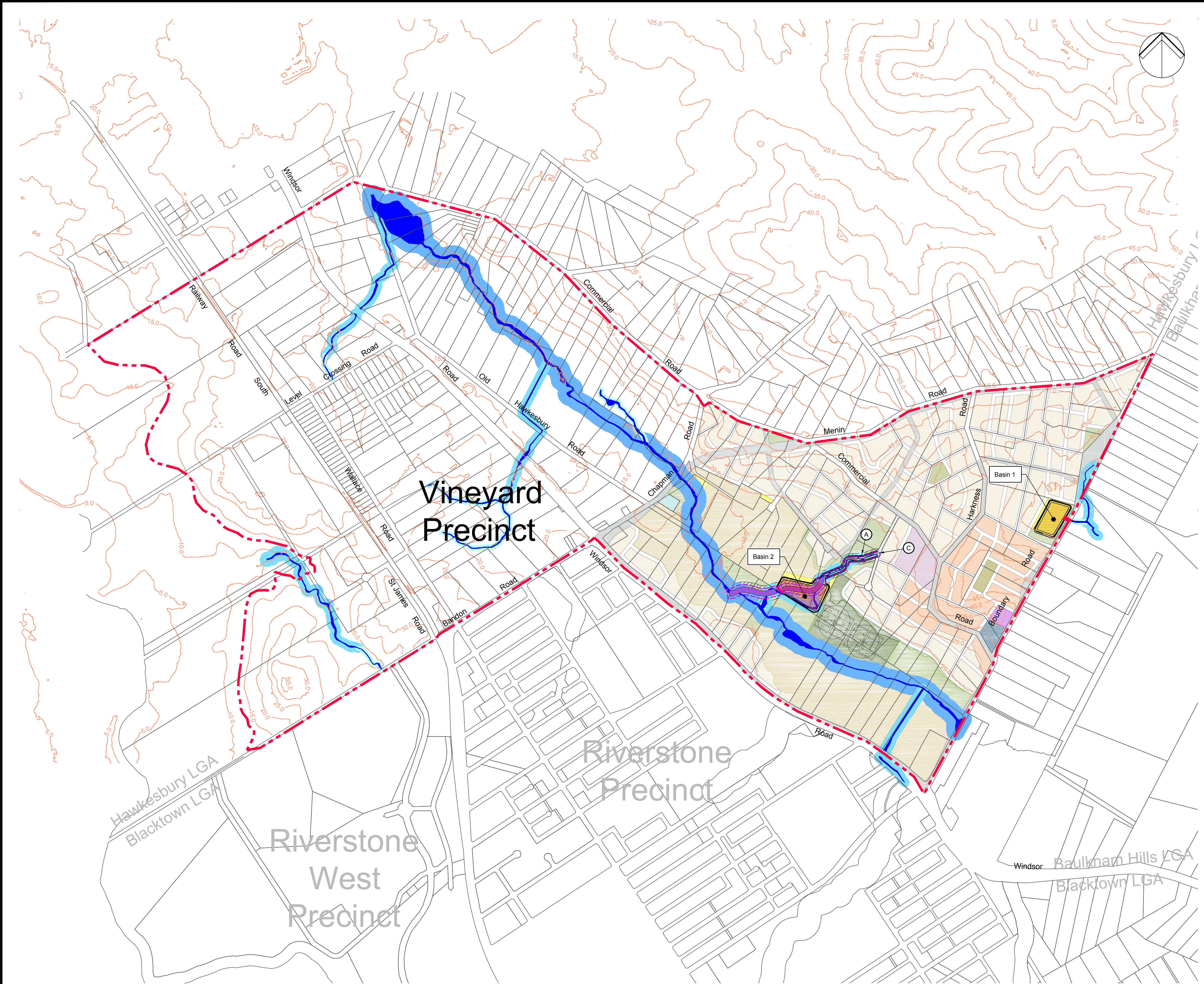
Proposed Catchment Flow
Path Plan

Designed	JT	.	Eng check	GL	.
Drawn	DW	.	Coordination	GL	.
Dwg check	GC	.	Approved	CJA	.
Scale at A1 1:10000	Status PRE	Rev P7			

Drawing Number
MMD-334311-C-DR-VY-XX-0209

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Notes

Key to symbols

Vineyard precinct boundary

Existing road

Proposed detention basin

Proposed creeks/channel

Proposed riparian extenet

Validated Watercourse

Riparian Zone - 1st Order Stream

Riparian Zone - 2nd Order Stream

Riparian Zone - 3rd Order Stream

Basin Volumes

Basin	Volume (m³)
1	15,100
2	22,500
Total	37,600

A

Provide realigned riparian creek channel to contain 100YR proposed flows.

B

Upstream flows to be converted in road and pipe network.

Reference drawings

Rev	Date	Drawn	Description	Ch'k'd	App'd
P7	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P6	14.10.16	MMc	Issued For Exhibition	GL	-
P5	17.07.15	JK	Issued For Exhibition	GL	-
P4	01.07.15	MMc	Issued For Exhibition	GL	-
P3	03.09.14	AMP	Issued for information	GL	-

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Australia
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QVB Sydney NSW 1230
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Title

Vineyard Precinct
Water Cycle Management Plan

Proposed Creek Re-Alignment
and Detention Strategy Plan

Designed	JT	Eng check	GL
Drawn	DW	Coordination	GL
Dwg check	GC	Approved	CJA

Scale at A1

1:8000

Status

PRE

Rev

P7

Drawing Number

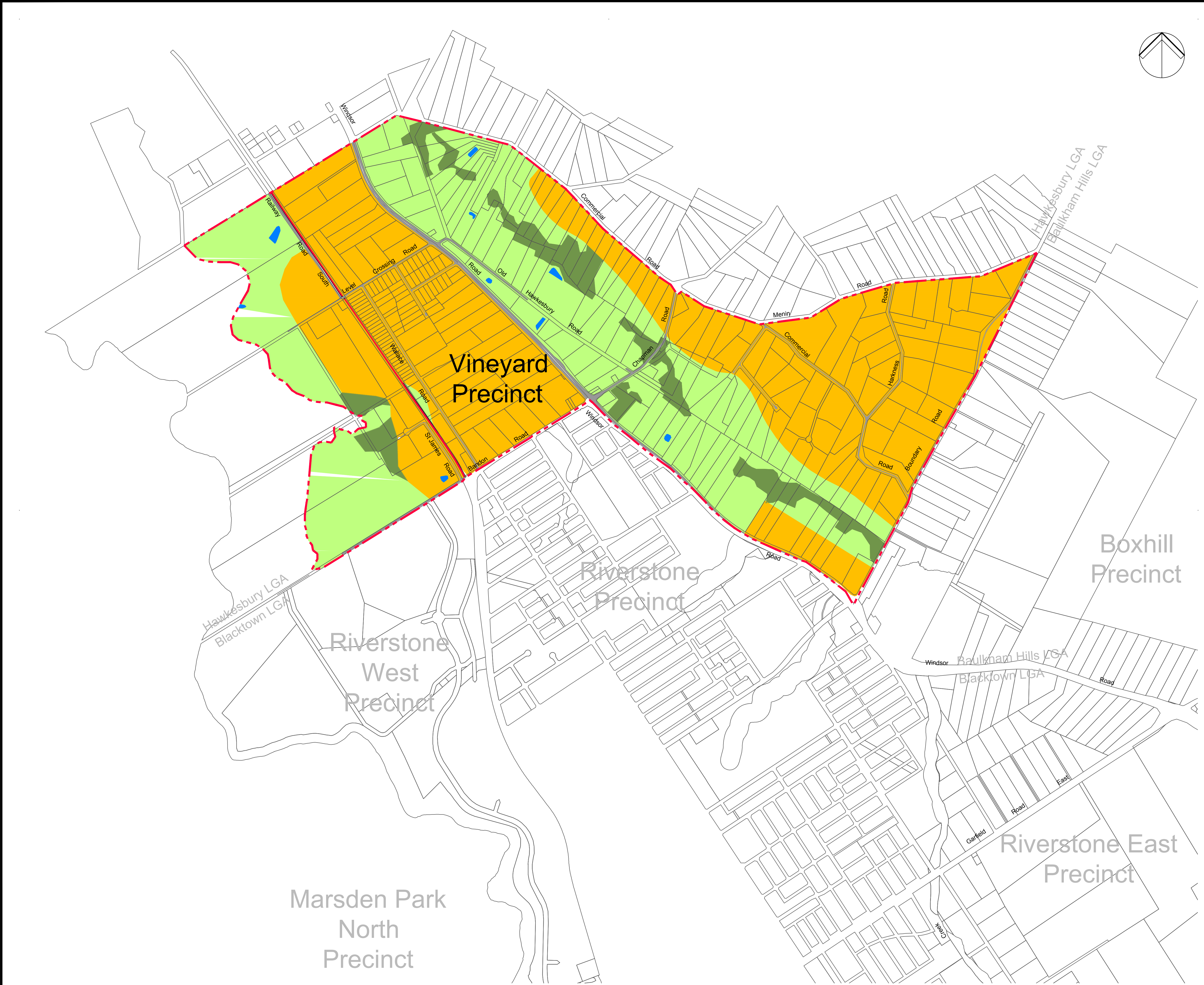
MMD-334311-C-DR-VY-XX-0210

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PLAN Scale 1:8000 @ A1

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Notes

Key to symbols

- Riverstone East precinct boundary
- Existing cadastre
- Dense vegetation - Manning's Value = 0.12
- Light vegetation - Manning's Value = 0.05
- Water surface - Manning's Value = 0.035
- Residential - Manning's Value = 0.125
- Roads - Manning's Value = 0.013
- Train line - Manning's Value = 0.015

Reference drawings					
P5	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P4	14.10.16	MMc	Issued For Exhibition	GL	-
P3	01.07.15	MMc	Issued For Exhibition	GL	-
P2	03.09.14	AMP	Issued for information	GL	-
P1	29.08.14	AMP	Issued for information	GL	-
Rev	Date	Drawn	Description	Ch'k'd	App'd

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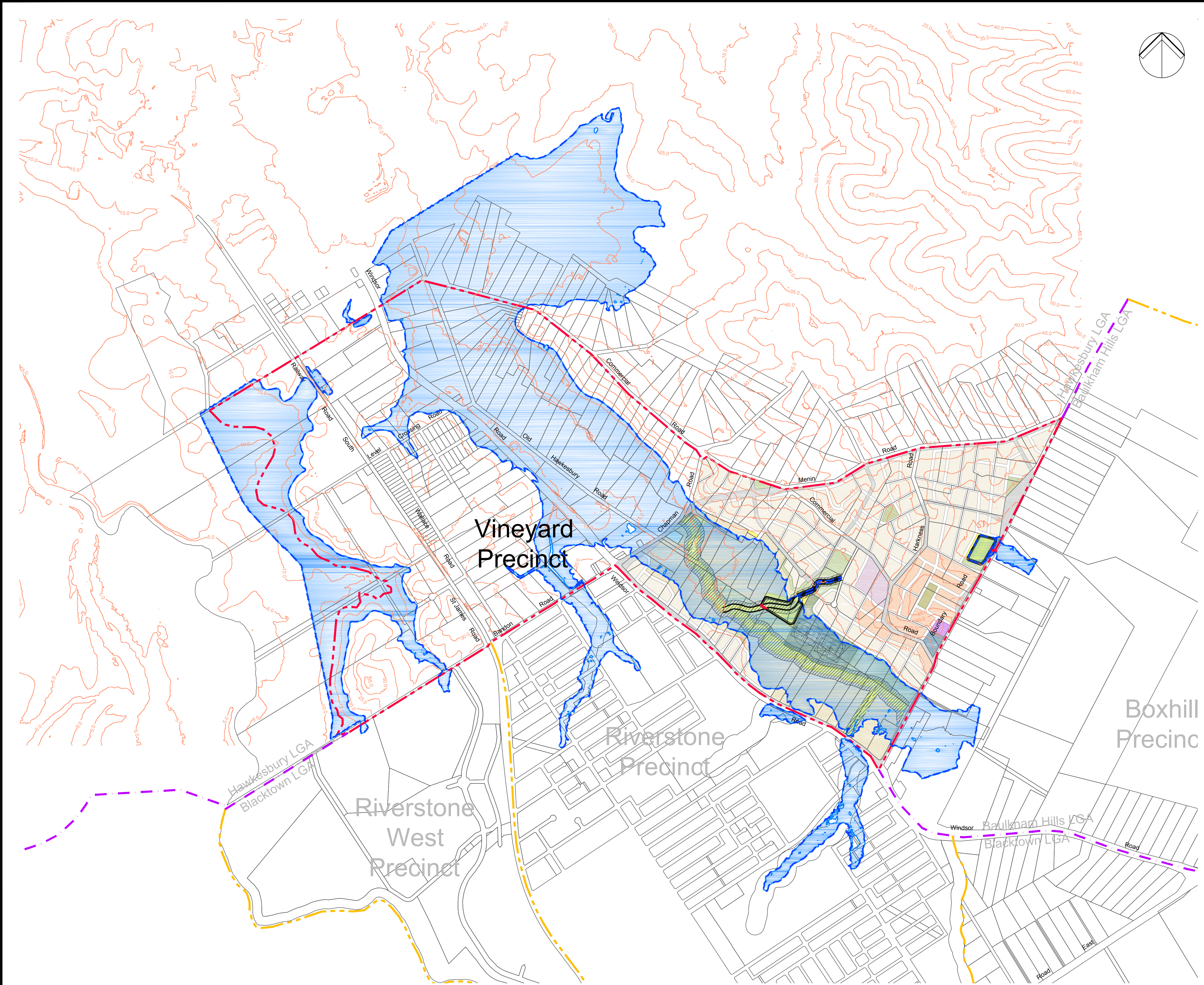
Title
Vineyard Precinct
Water Cycle Management Plan

TUFLOW Proposed Land Use
Plan

Designed	JT	.	Eng check	GL	.
Drawn	DW	.	Coordination	GL	.
Dwg check	GC	.	Approved	CJA	.
Scale at A1 1:10000		Status PRE		Rev P5	
Drawing Number MMD-334311-C-DR-VY-XX-0211					

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Notes

Key to symbols

- Vineyard precinct boundary
- Surrounding precinct boundary
- LGA boundary
- Existing cadastre
- 100yr Regional flood extents
- 100yr Regional flood area
- Proposed detention basin

Reference drawings

P5	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P4	14.10.16	MMc	Issued For Exhibition	GL	-
P3	20.07.15	JK	Issued For Exhibition	GL	-
P2	01.07.15	MMc	Issued For Exhibition	GL	-
P1	03.09.14	AMP	Issued for information	GL	-
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QVB Sydney NSW 1230
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Title

Vineyard Precinct
Water Cycle Management Plan

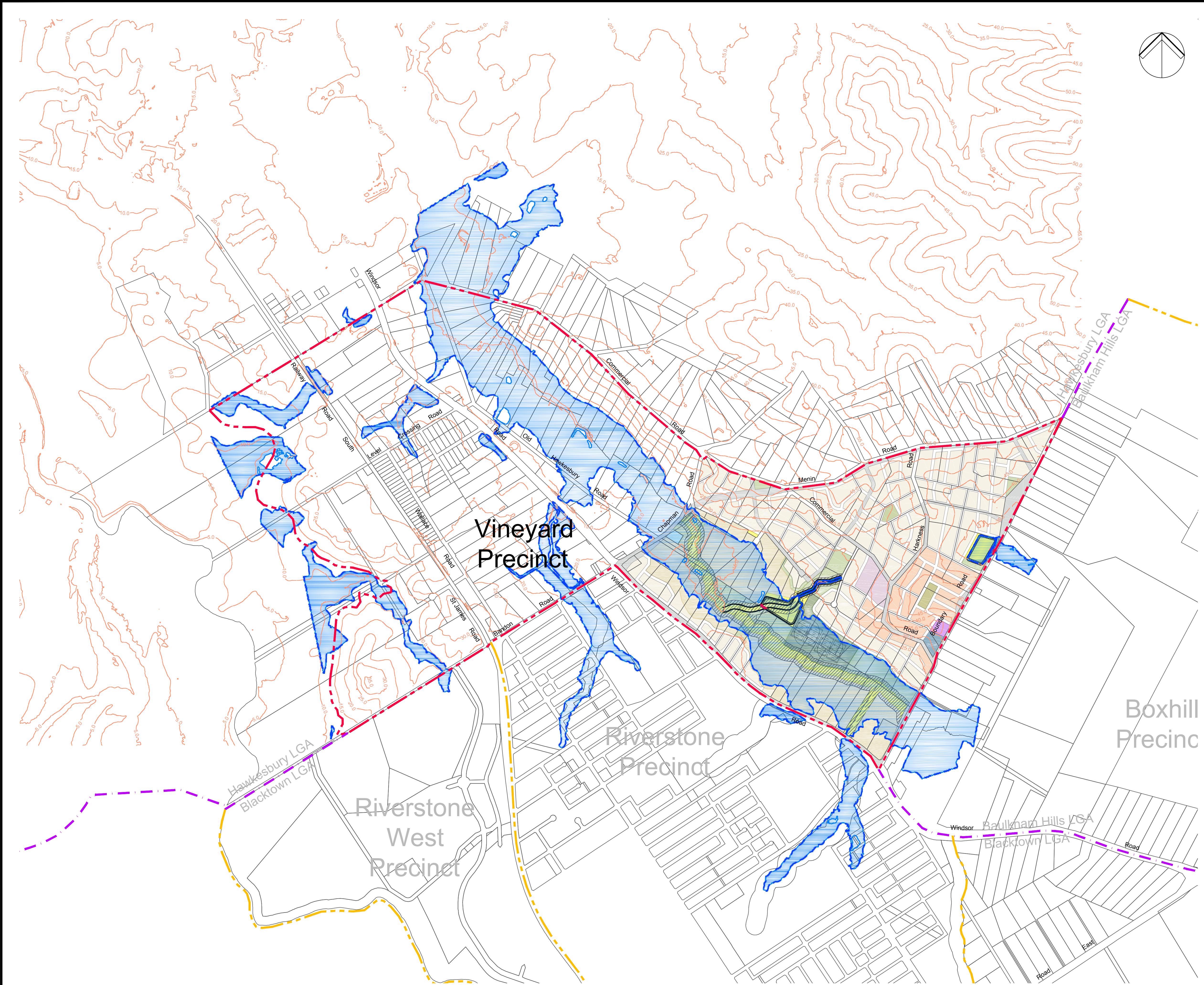
Proposed Regional Flood Extents
Plan With Detention

Designed	JT	Eng check	GL	
Drawn	DW	Coordination	GL	
Dwg check	GC	Approved	CJA	
Scale at A1	1:10000	Status	PRE	Rev P5

Drawing Number

MMD-334311-C-DR-VY-XX-0214

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Notes

Key to symbols

- Vineyard precinct boundary
- Surrounding precinct boundary
- LGA boundary
- Existing cadastre
- Local flood extents
- Local flood Area
- Proposed detention basin

Reference drawings

P6	19.10.2016	MMc	Issued For Exhibition	GL	CJA
P5	14.10.16	MMc	Issued For Exhibition	GL	-
P4	20.07.15	JK	Issued For Exhibition	GL	-
P3	01.07.15	MMc	Issued For Exhibition	GL	-
P2	03.09.14	AMP	Issued for information	GL	-
Rev	Date	Drawn	Description	Ch'k'd	App'd

Level 10, 383 Kent Street
Sydney, NSW 2000
Australia
PO Box Q1678
QVB Sydney NSW 1230
T +61 (0)2 9098 6800
W www.mottmac.com.au

Client

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Water Cycle Management Plan

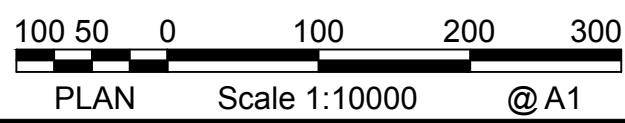
Proposed Local Flood Extents
With Detention

Designed	JT	Eng check	GL	
Drawn	DW	Coordination	GL	
Dwg check	GC	Approved	CJA	
Scale at A1	1:10000	Status	PRE	Rev P6

Drawing Number

MMD-334311-C-DR-VY-XX-0216

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