

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



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Dwg No 0200
Revision P6
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Notes

Key to symbols

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

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	-
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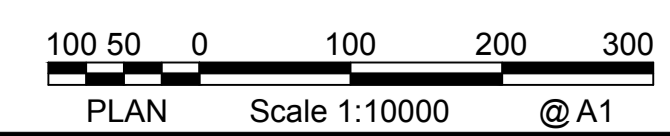
Title
Vineyard Precinct
Water Cycle Management Plan

Existing Site Plan

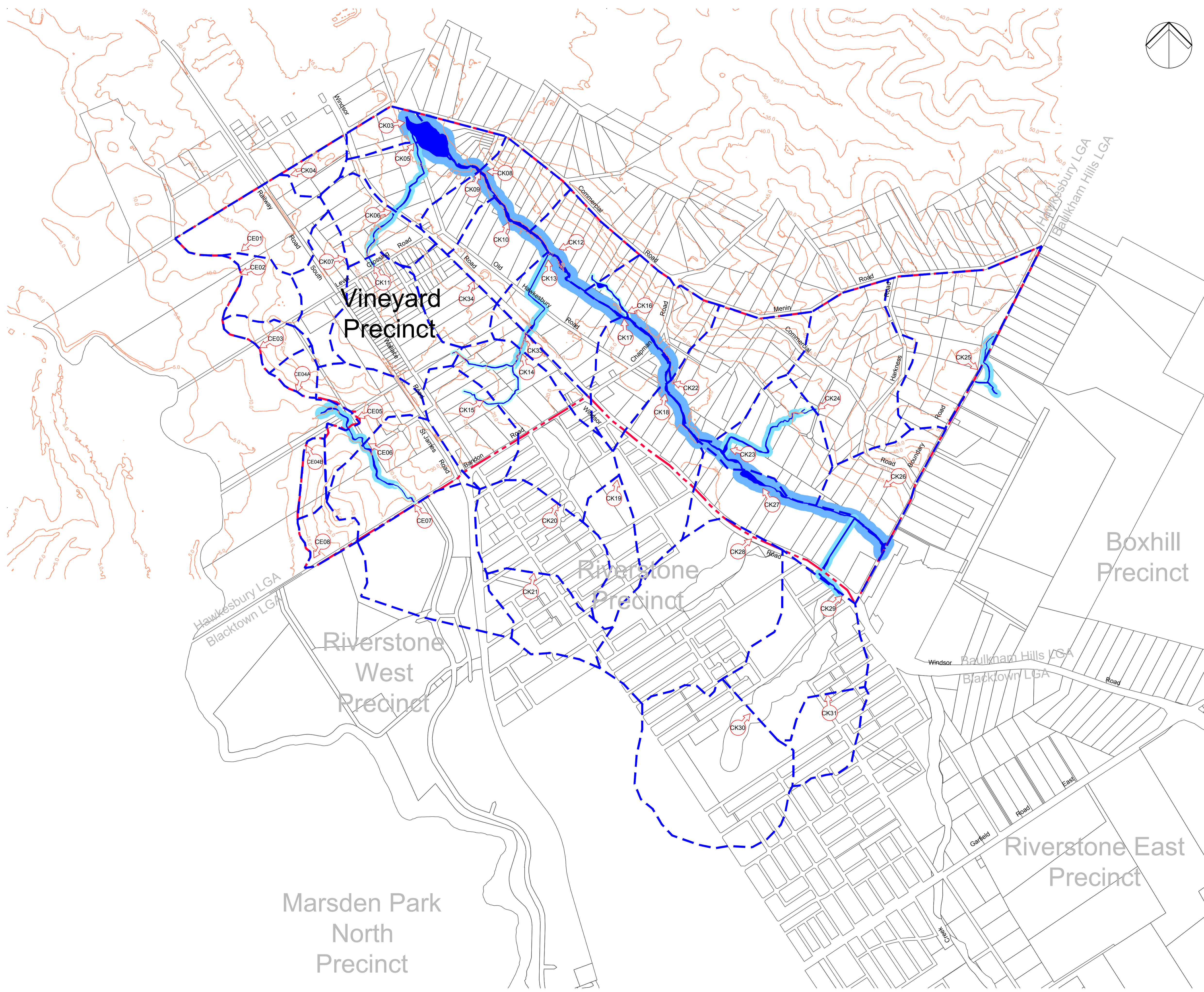
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Drawing Number
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Notes

Key to symbols

- Vineyard precinct boundary
- Existing cadastre
- Catchment boundary
- 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

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	-
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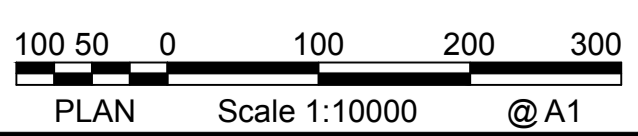
Planning & Environment

Title
**Vineyard Precinct
 Water Cycle Management Plan**
 Existing Catchment Plan

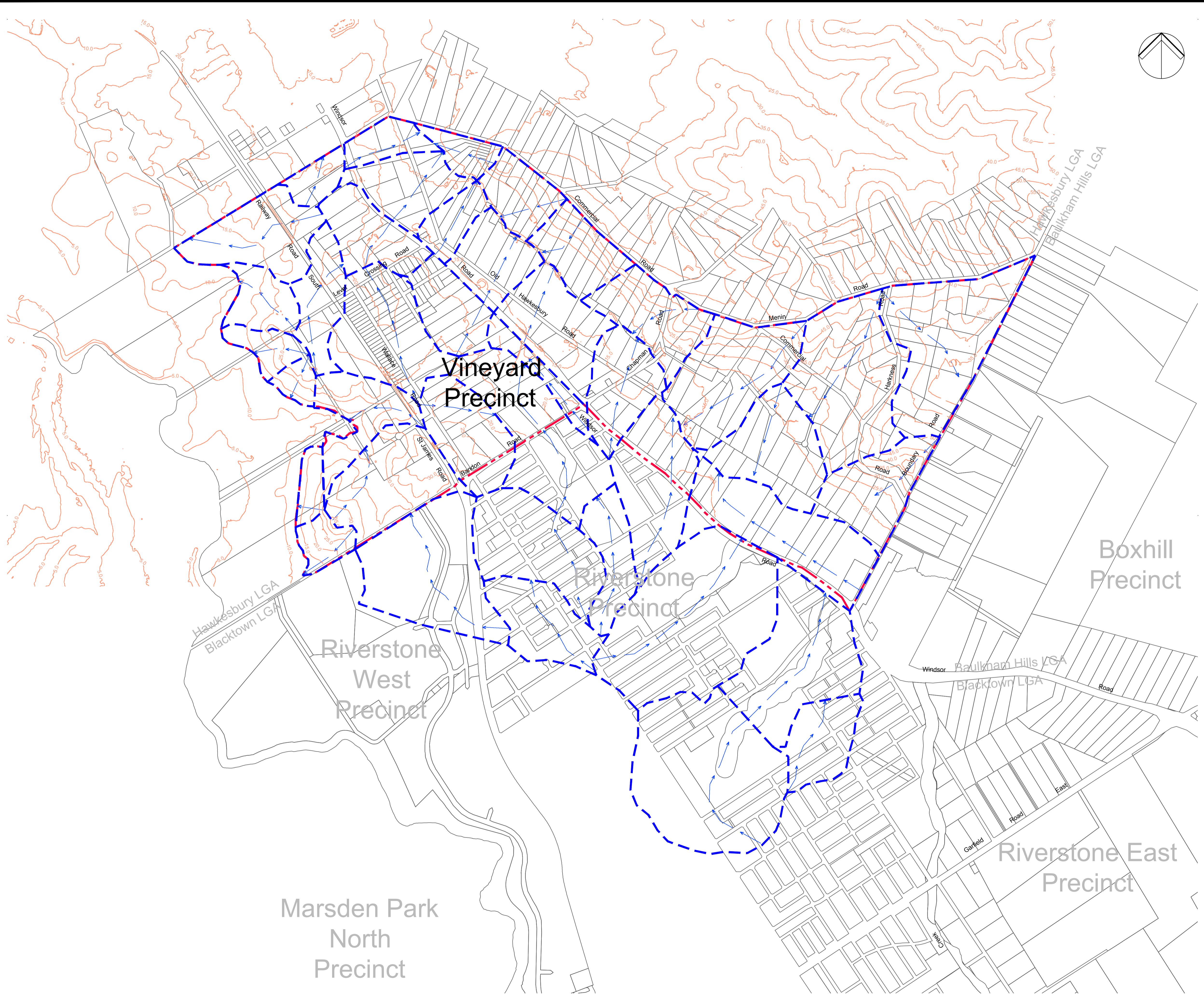
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Drawn	DW	Coordination	GL
Dwg check	GC	Approved	CJA
Scale at A1	1:10000	Status	PRE
		Rev	P6

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Notes

Key to symbols

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

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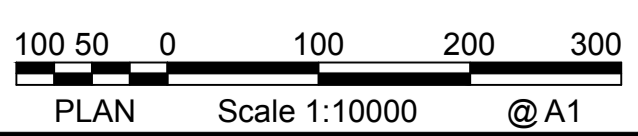
Title
**Vineyard Precinct
 Water Cycle Management Plan**

**Existing Catchment
 Flow Path Plan**

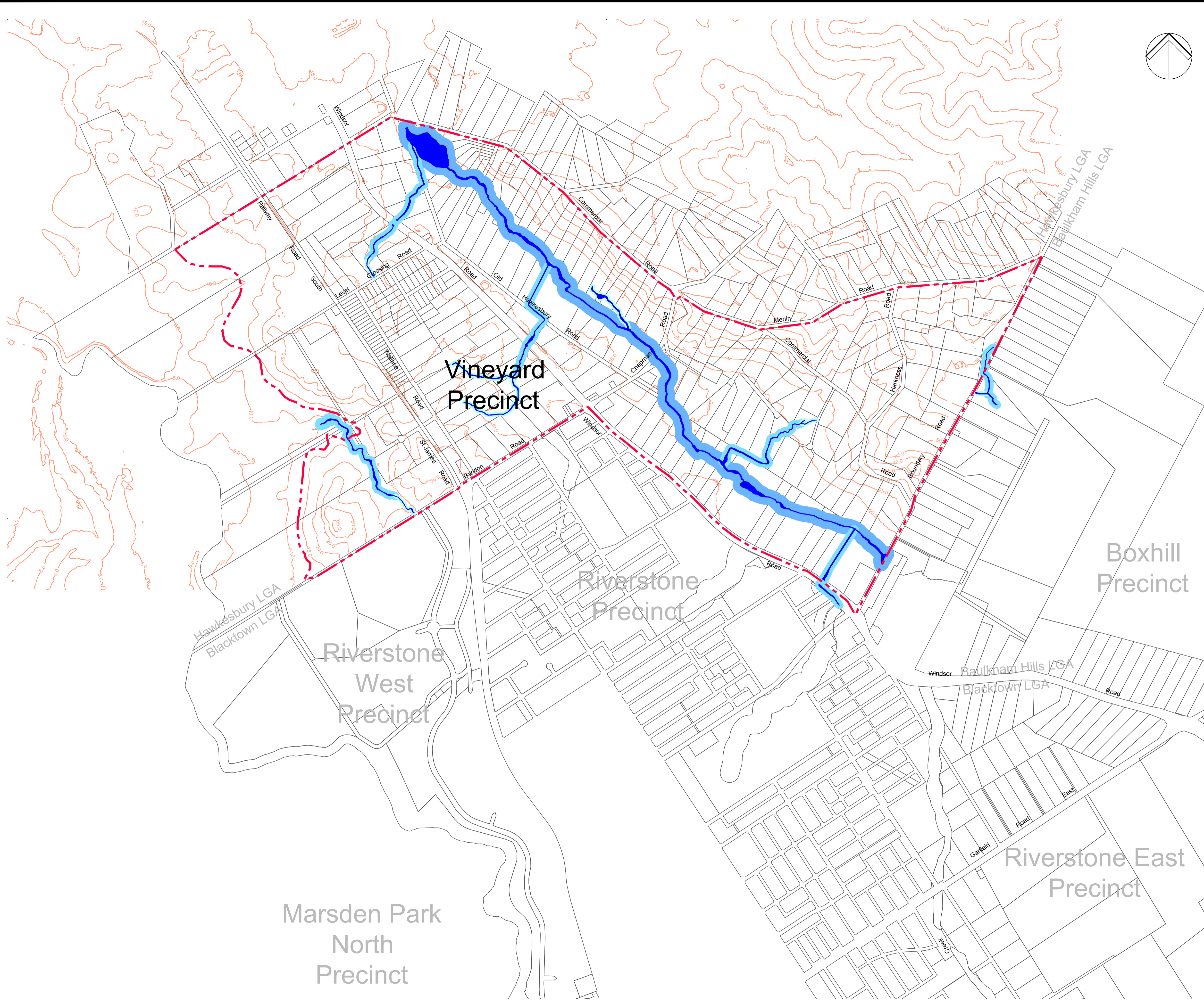
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Notes

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

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	-
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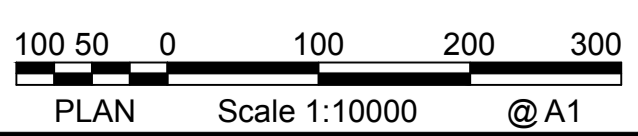
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Title
**Vineyard Precinct
 Water Cycle Management Plan**
 Existing Stream Order Plan

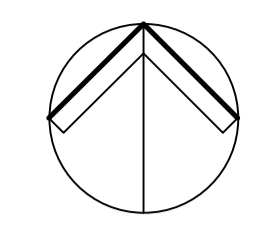
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Drawing Number
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Notes

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

Rev	Date	Drawn	Description	Ch'k'd	App'd
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	-
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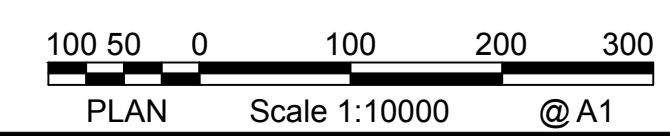
Title
Vineyard Precinct
Water Cycle Management Plan

TUFLOW Existing Land Use Plan

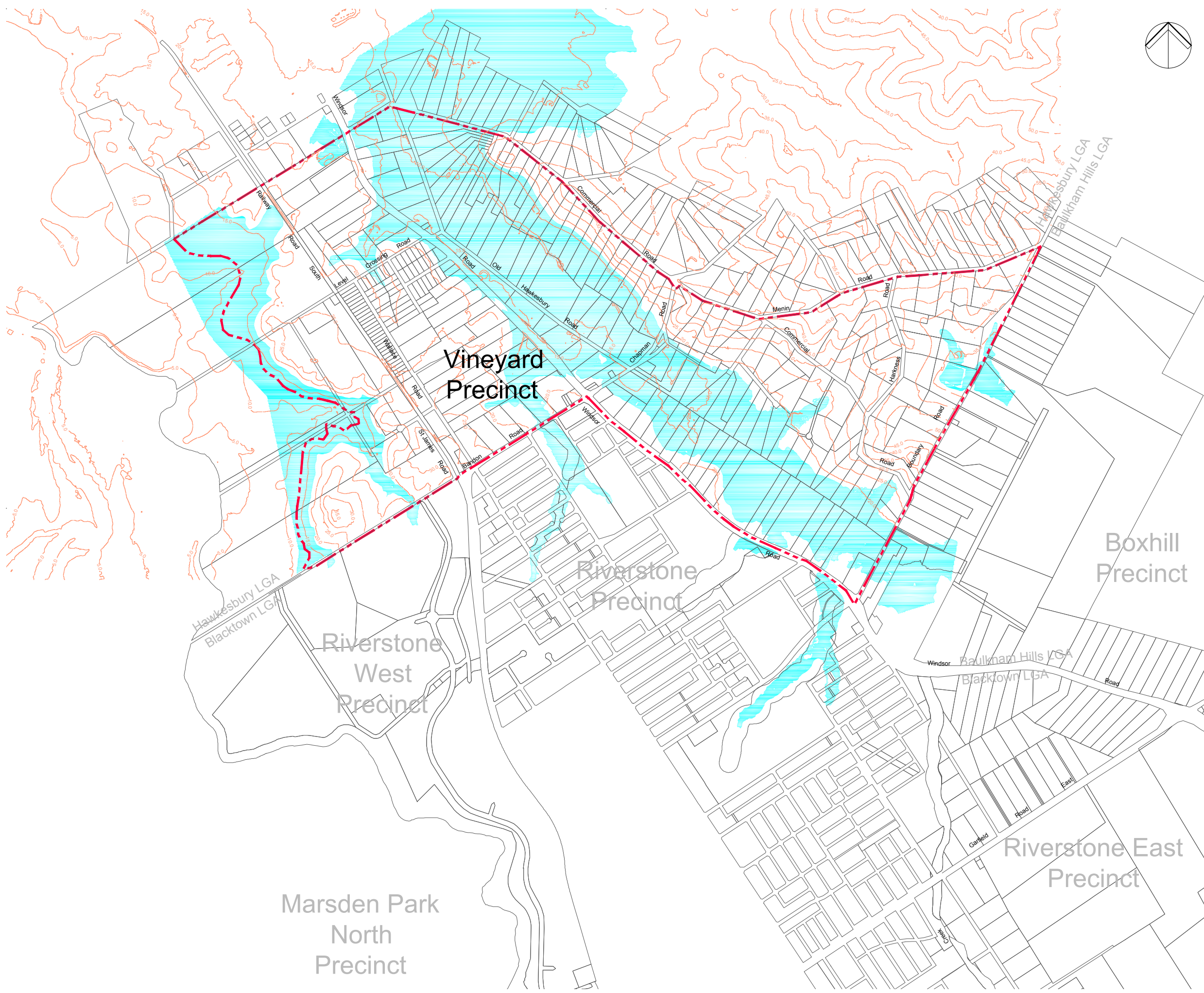
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Notes

Key to symbols

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

Reference drawings

Rev	Date	Drawn	Description	Ch'k'd	App'd
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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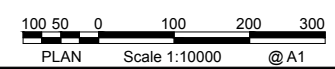
Title
**Vineyard Precinct
 Water Cycle Management Plan**

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

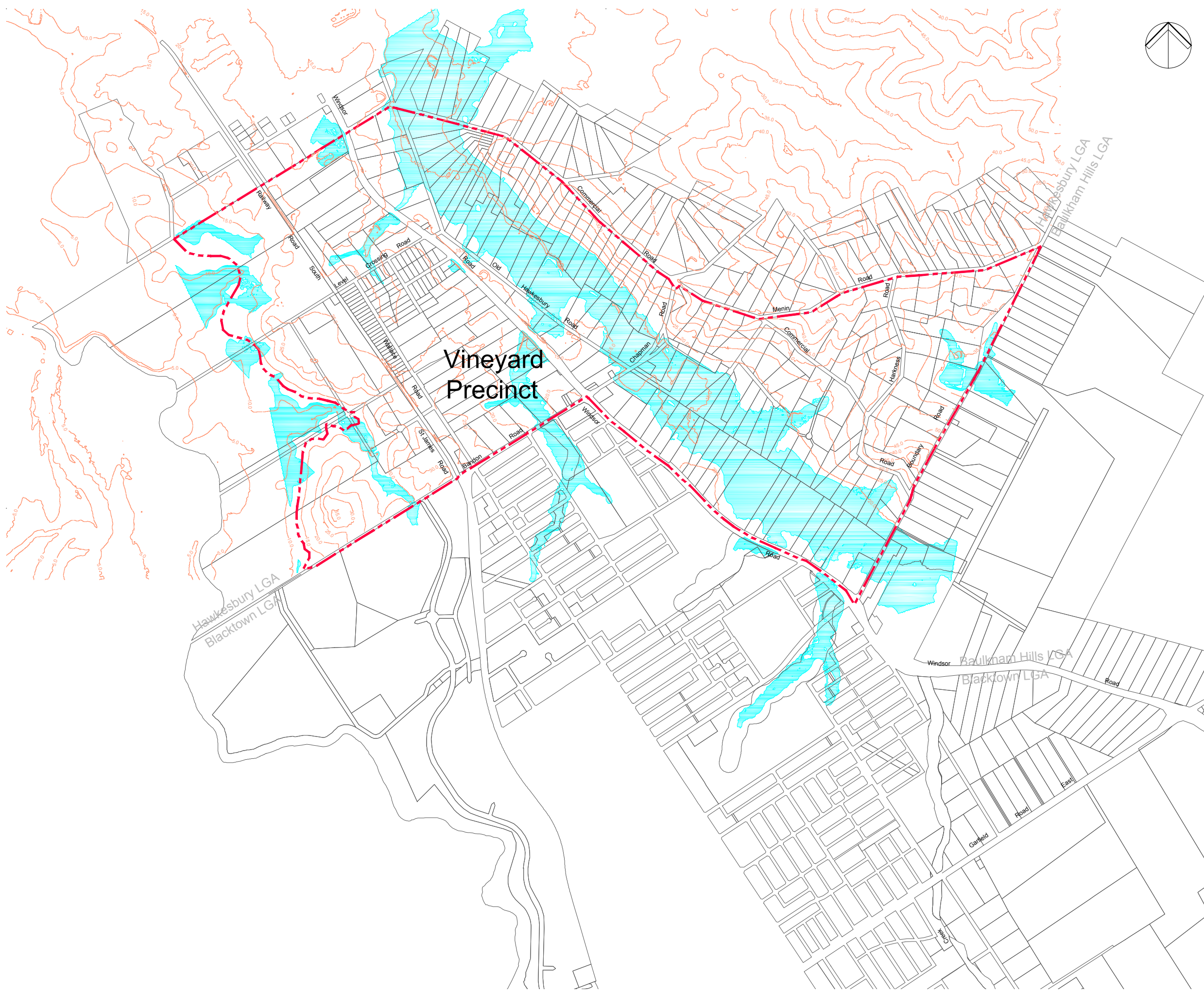
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Drawing Number
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Notes

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	-
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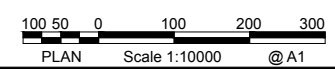

Title **Vineyard Precinct
Water Cycle Management Plan**

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

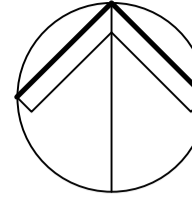
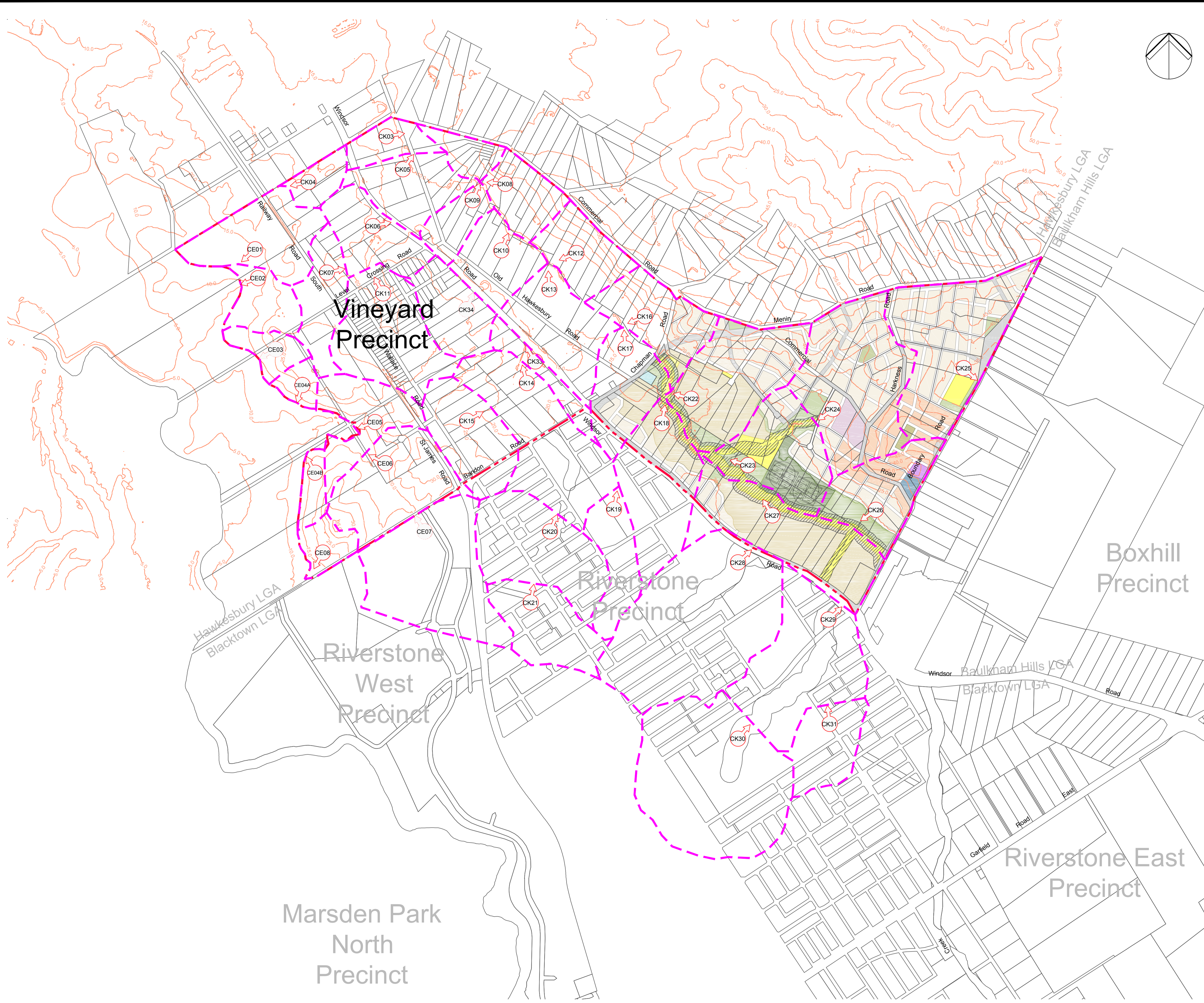
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Scale at A1	1:10000	Status	PRE	Rev P6

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

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Notes

Key to symbols

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

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	03.09.14	AMP	Issued for information	GL	-



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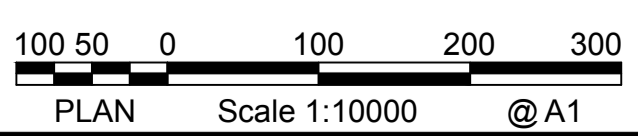
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Title
**Vineyard Precinct
 Water Cycle Management Plan**
Proposed Catchment Plan

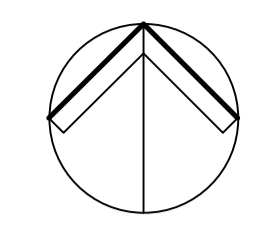
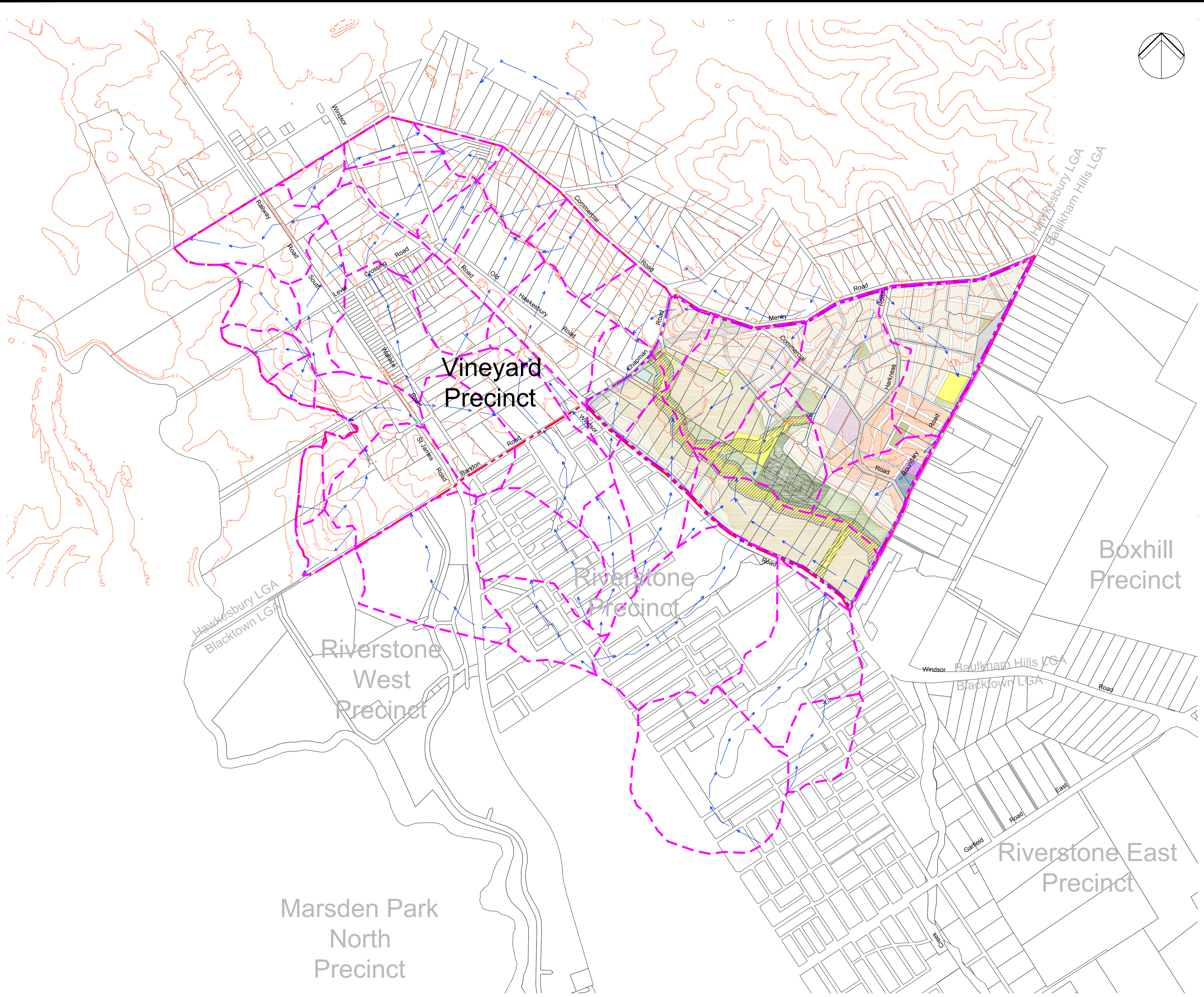
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Dwg check	GC	Approved	CJA
Scale at A1	1:10000	Status	PRE
		Rev	P7

Drawing Number
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Notes

Key to symbols

- - - - - Vineyard precinct boundary
- - - - - Vineyard precinct stage 1 boundary
- - - - - Existing cadastre
- - - - - 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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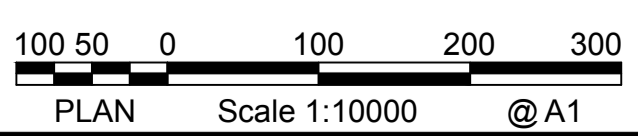
Title
**Vineyard Precinct
 Water Cycle Management Plan**

**Proposed Catchment Flow
 Path Plan**

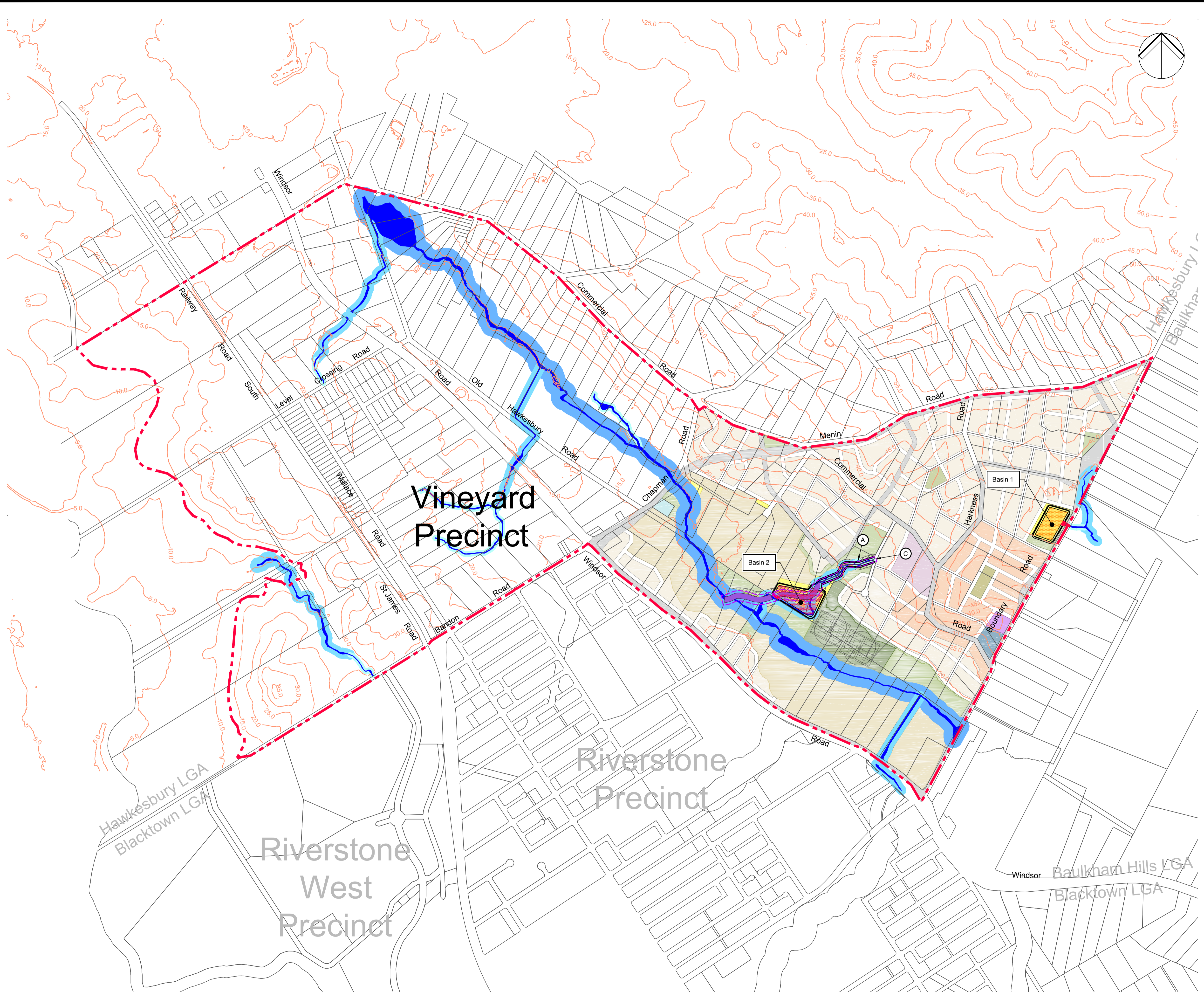
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Drawing Number
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Notes

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 (m ³)
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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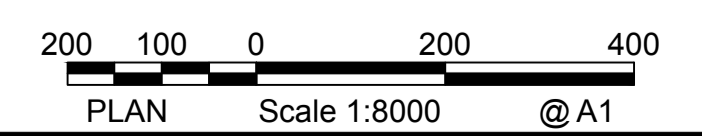
Title
Vineyard Precinct
Water Cycle Management Plan

Proposed Creek Re-Alignment
and Detention Strategy Plan

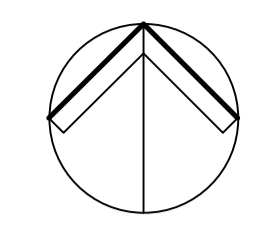
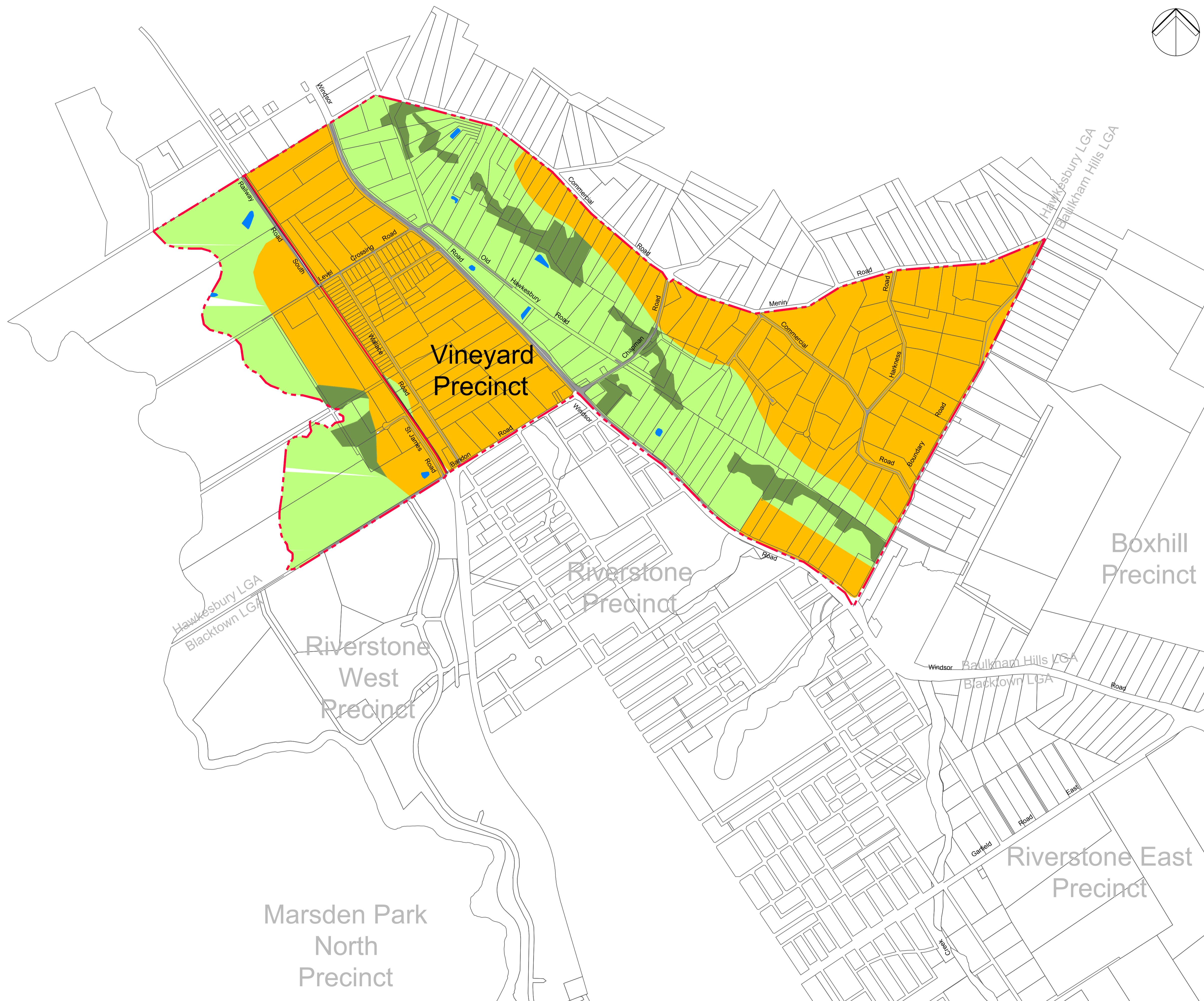
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Dwg check	GC	Approved	CJA	-
Scale at A1	1:8000	Status	PRE	Rev P7

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

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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

Rev	Date	Drawn	Description	Ch'k'd	App'd
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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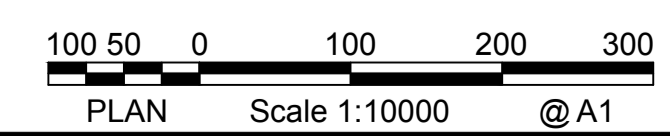

Title
**Vineyard Precinct
Water Cycle Management Plan**

**TUFLOW Proposed Land Use
Plan**

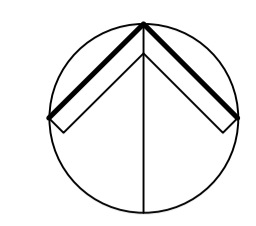
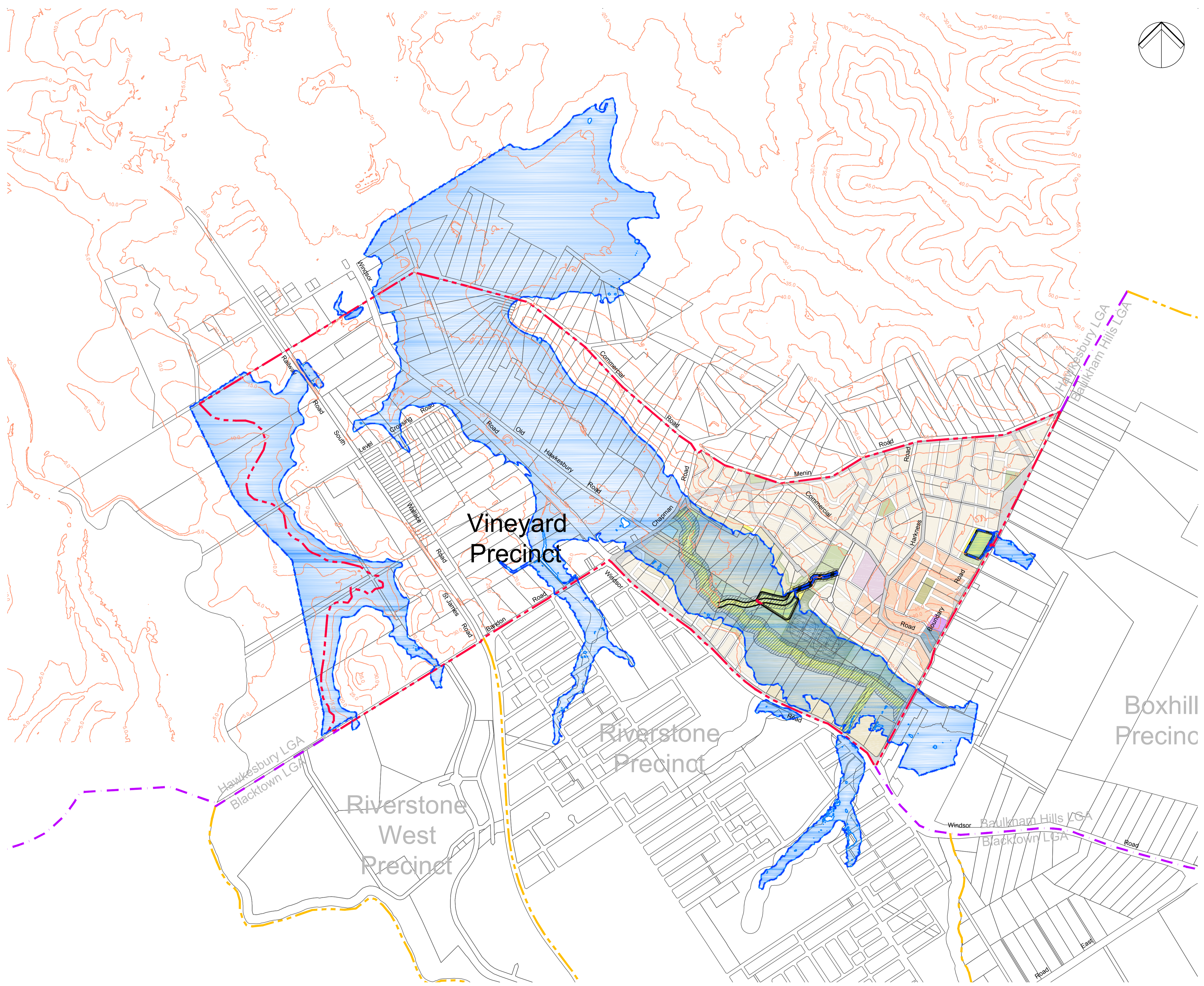
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				P5

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

Rev	Date	Drawn	Description	Ch'k'd	App'd
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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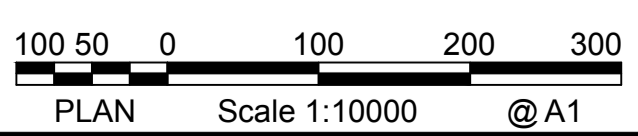
Title
**Vineyard Precinct
Water Cycle Management Plan**

**Proposed Regional Flood Extents
Plan With Detention**

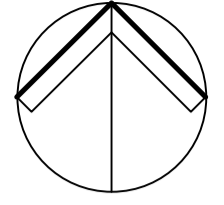
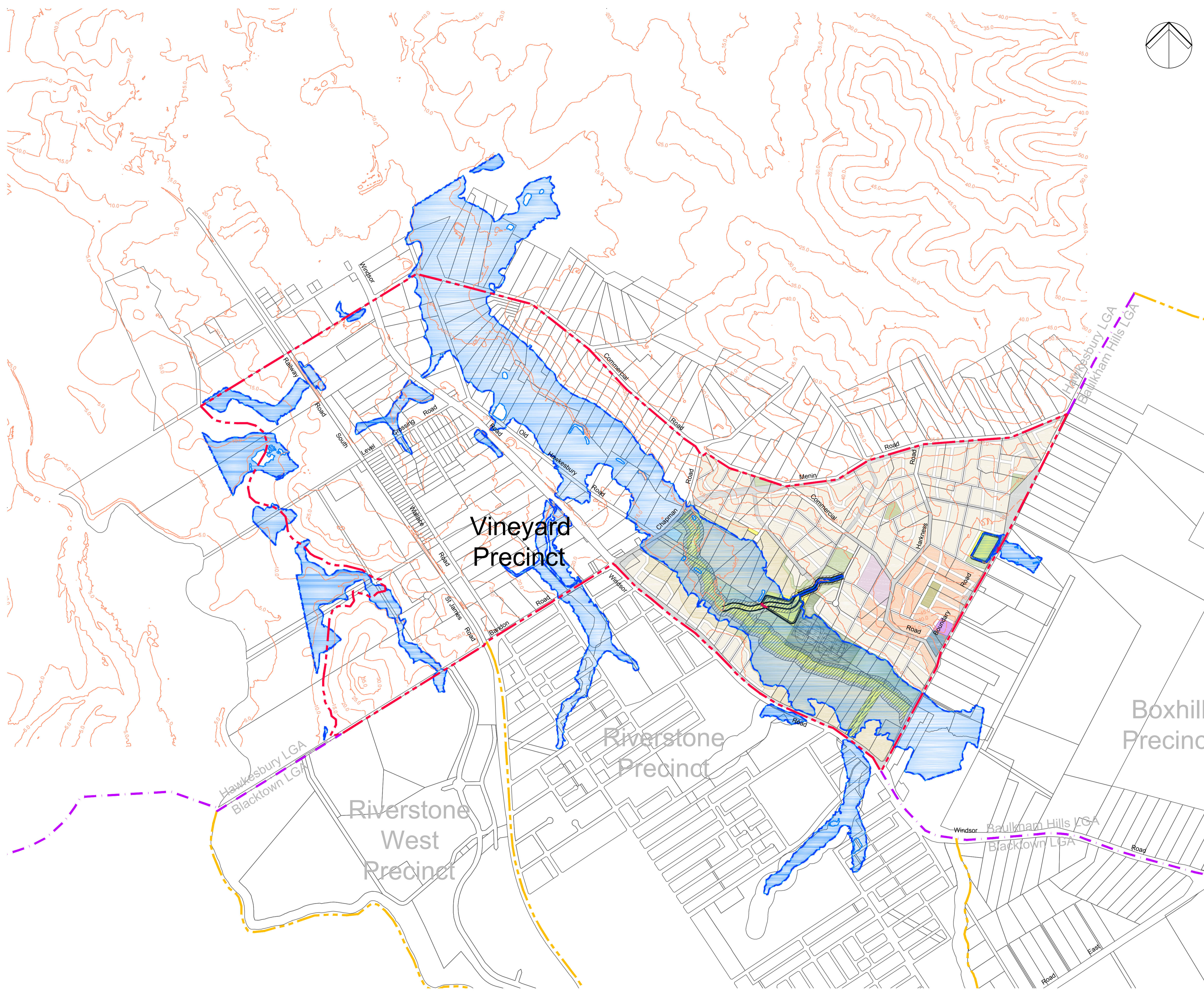
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Drawing Number
MMD-334311-C-DR-VY-XX-0214

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Notes

Key to symbols

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

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	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	-

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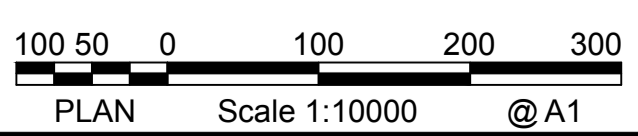
Title
**Vineyard Precinct
 Water Cycle Management Plan**

**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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