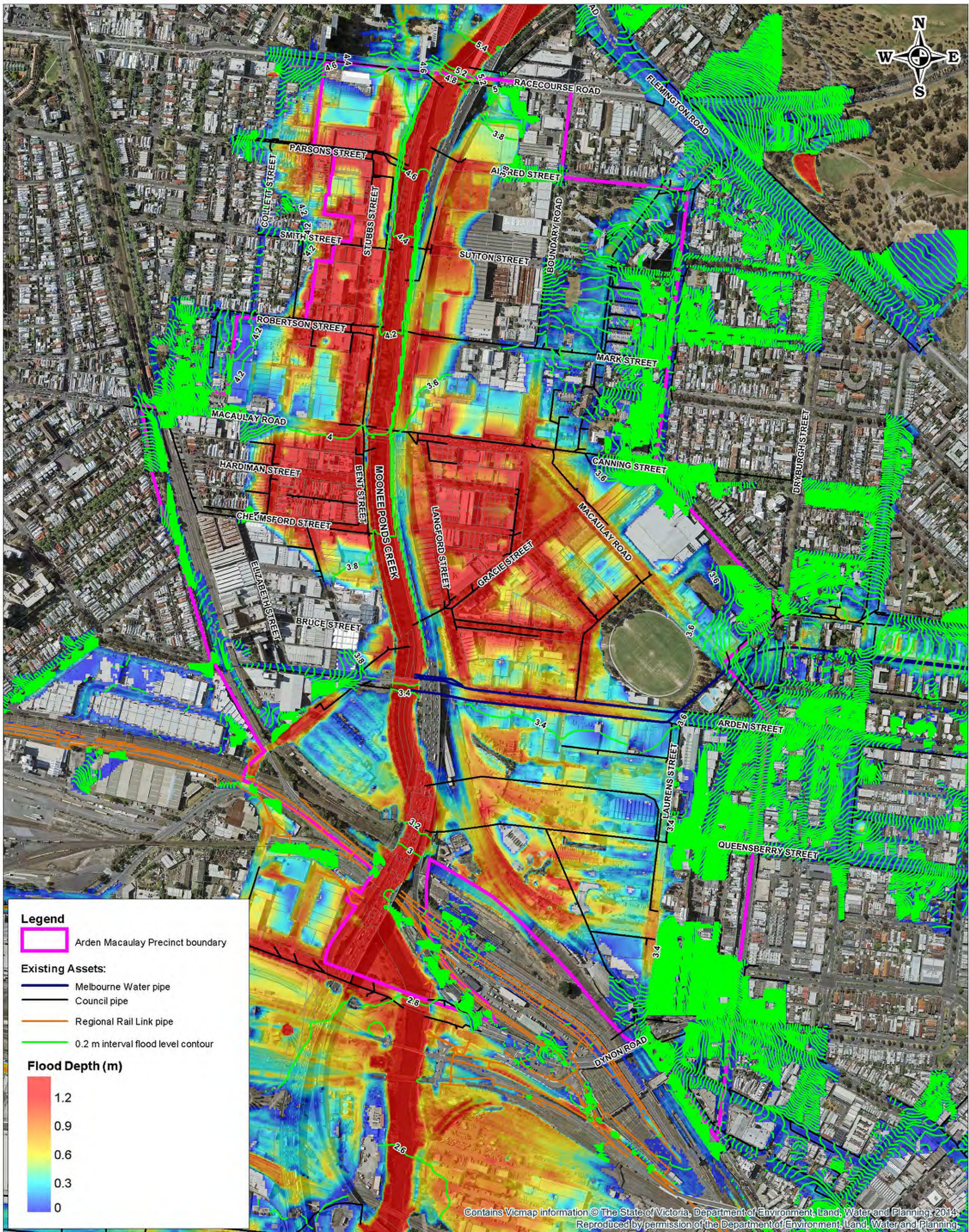


APPENDIX B

Year 2100 Scenario Flood Maps



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9898 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



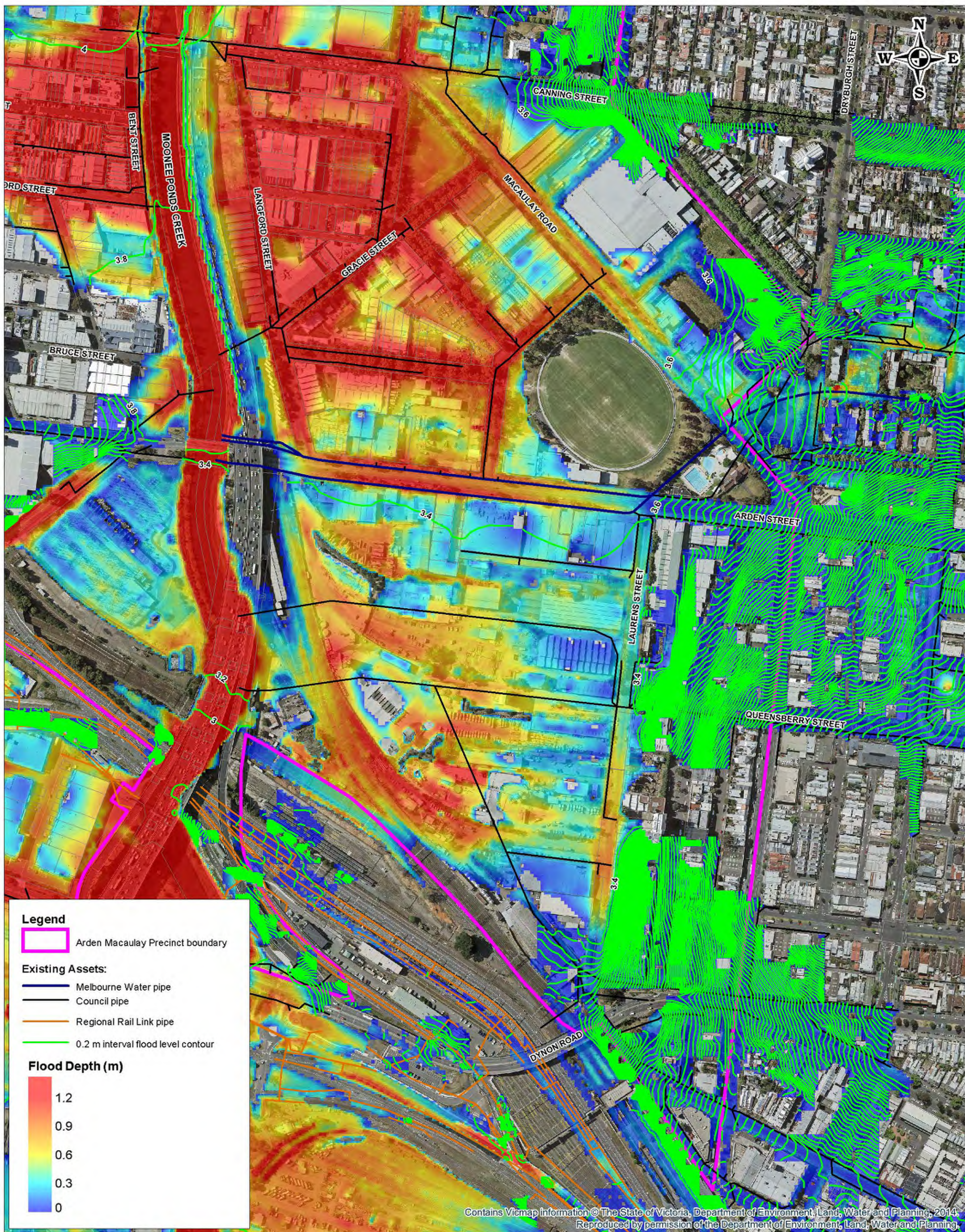
0 130 260
 Scale in metres (1:6,500 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure B1
 1% AEP Flood Map - Year 2100 Scenario

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9898 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



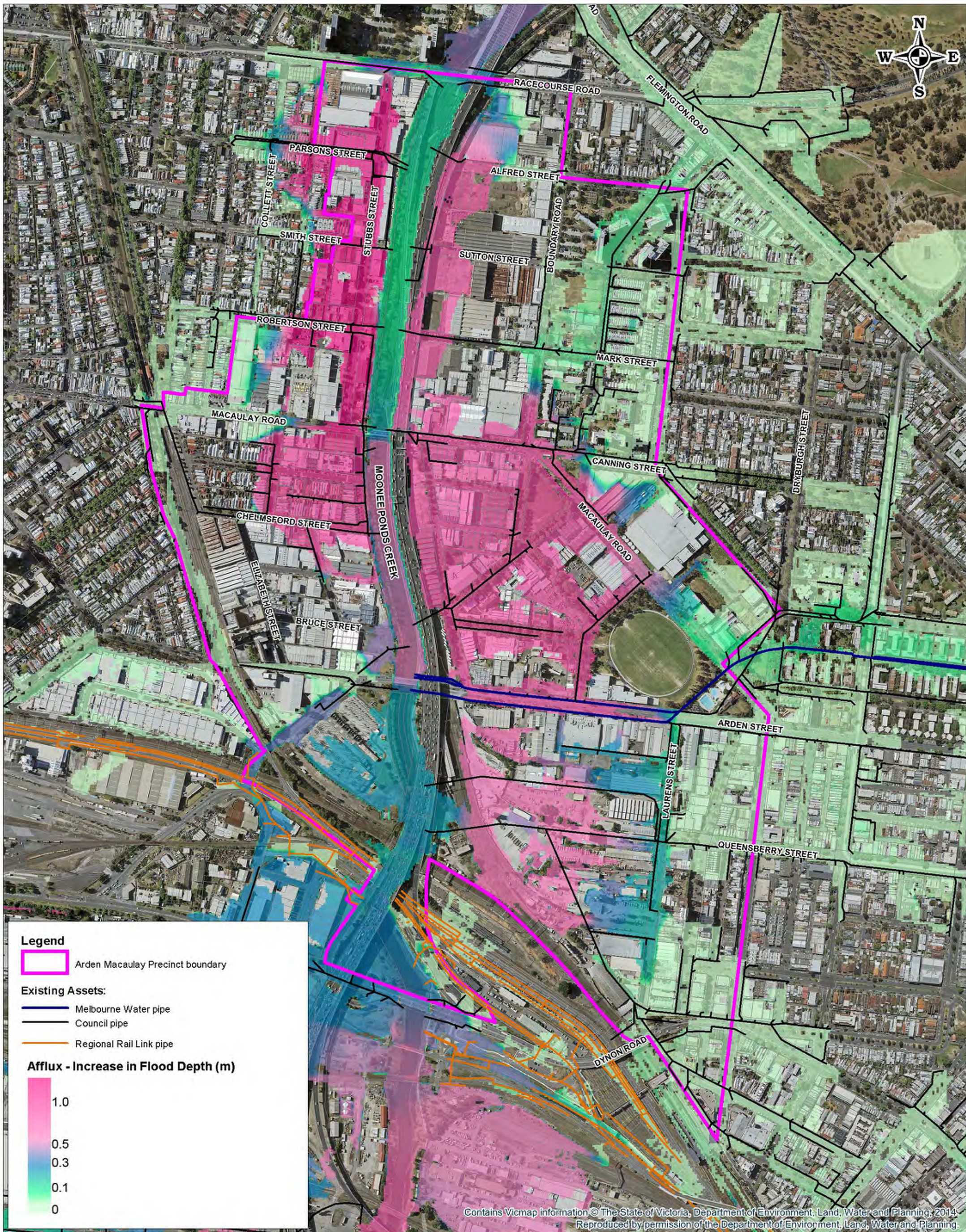
0 80 160
 Scale in metres (1:4,000 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure B2
 1% AEP Flood Map - Year 2100 Scenario
 Government Land

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9888 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



0 130 260
 Scale in metres (1:6,500 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure B3
 Increase in flood depth in year 2100
 scenario compared to existing conditions

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016

Figure B4: Cross Section - Parsons Street to Alfred Street
Year 2100 Conditions, 1 % AEP Flood Event

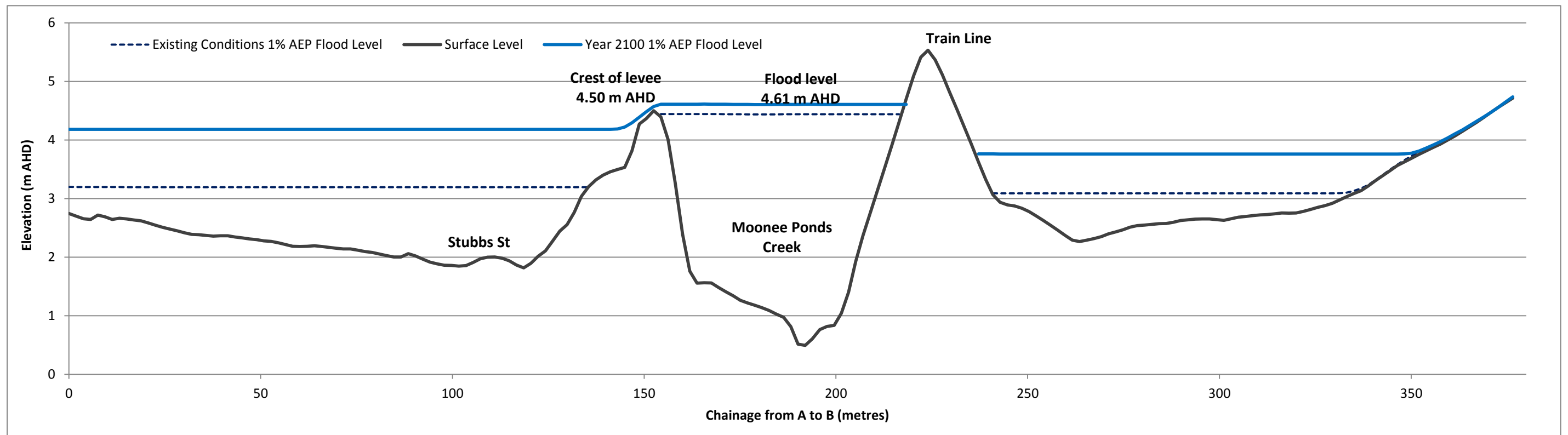
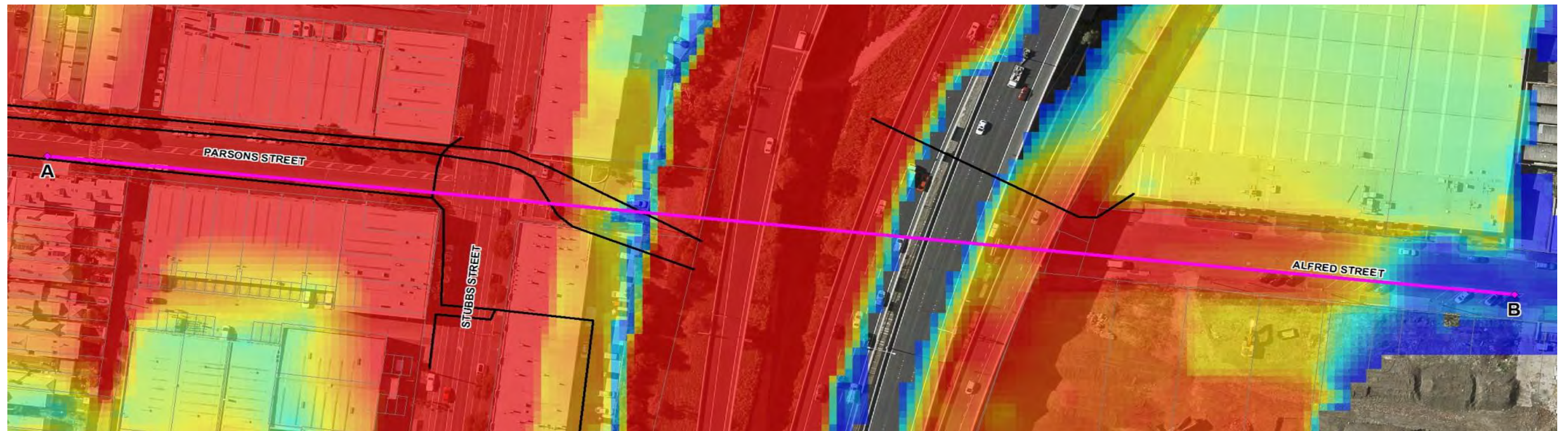


Figure B5: Cross Section - Hardiman Street to Steel Street
Year 2100 Conditions, 1 % AEP Flood Event

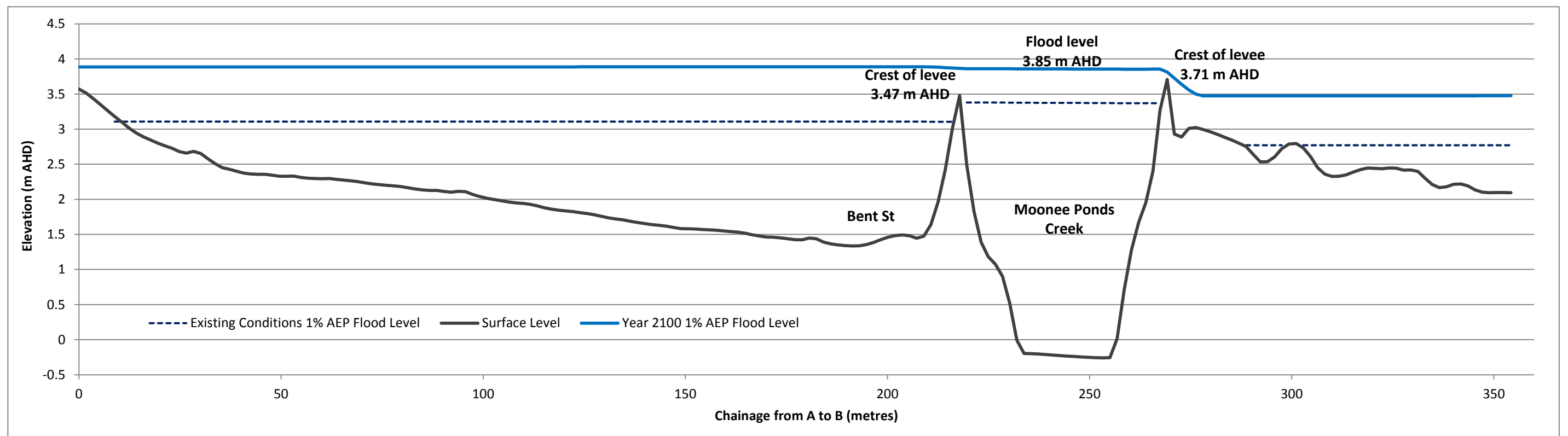
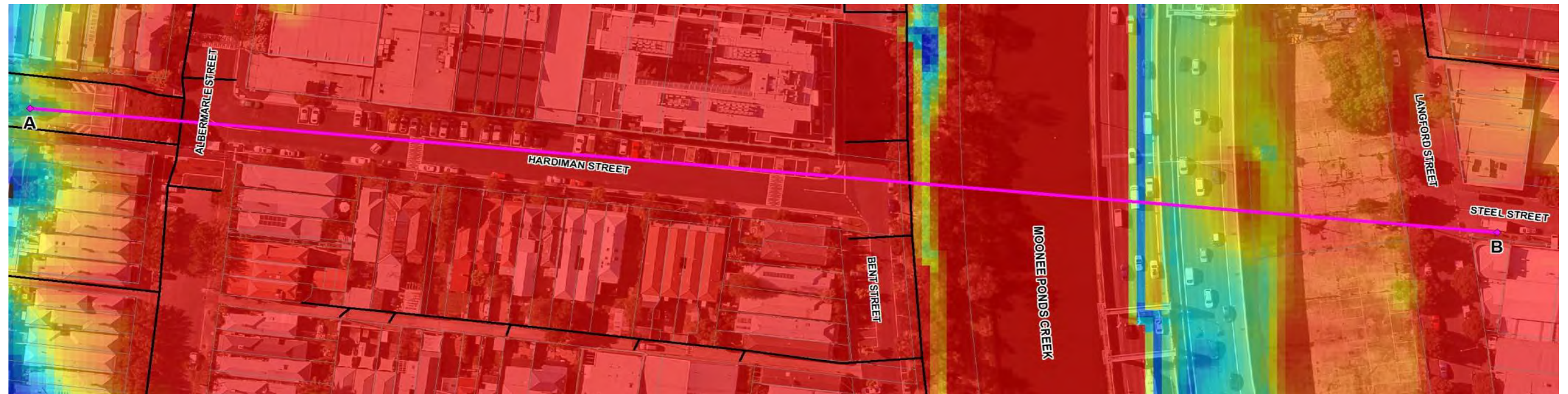
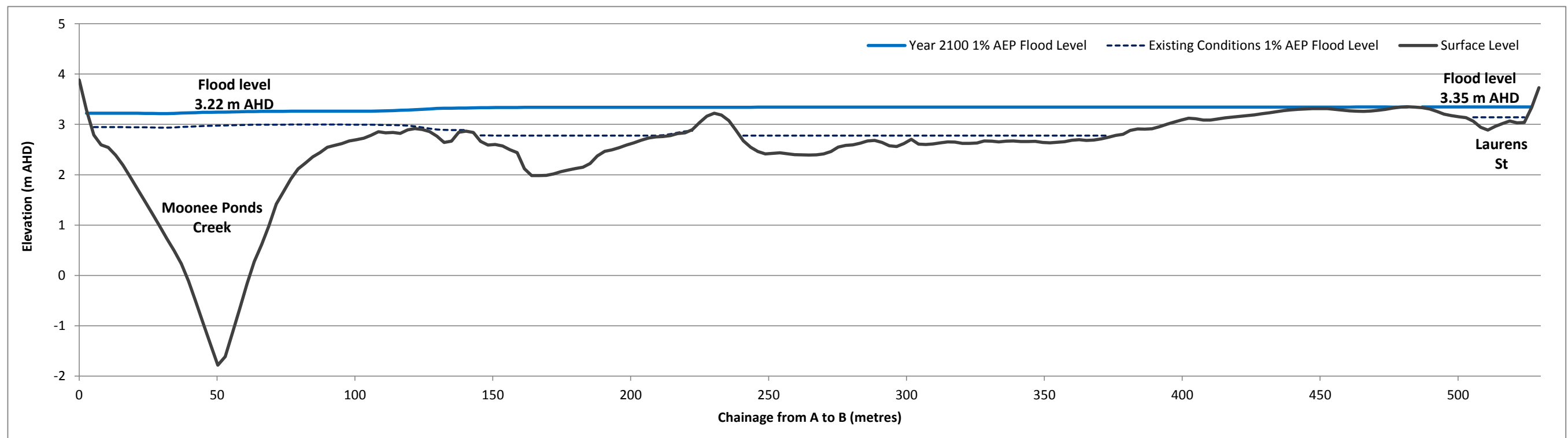
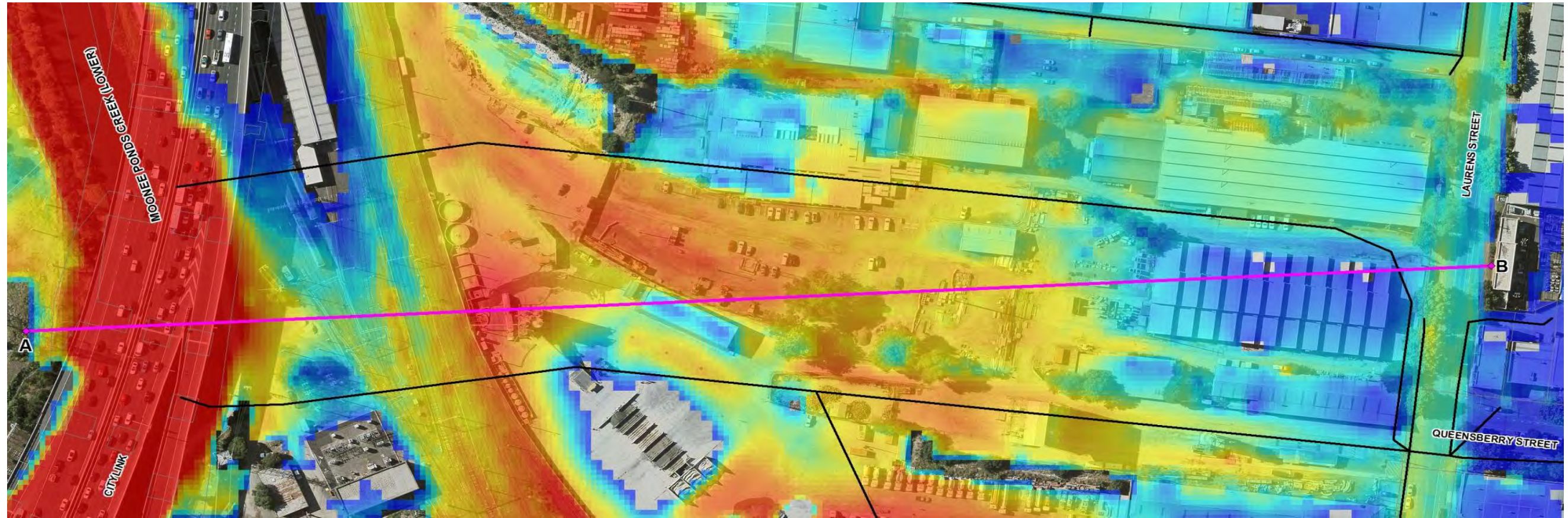
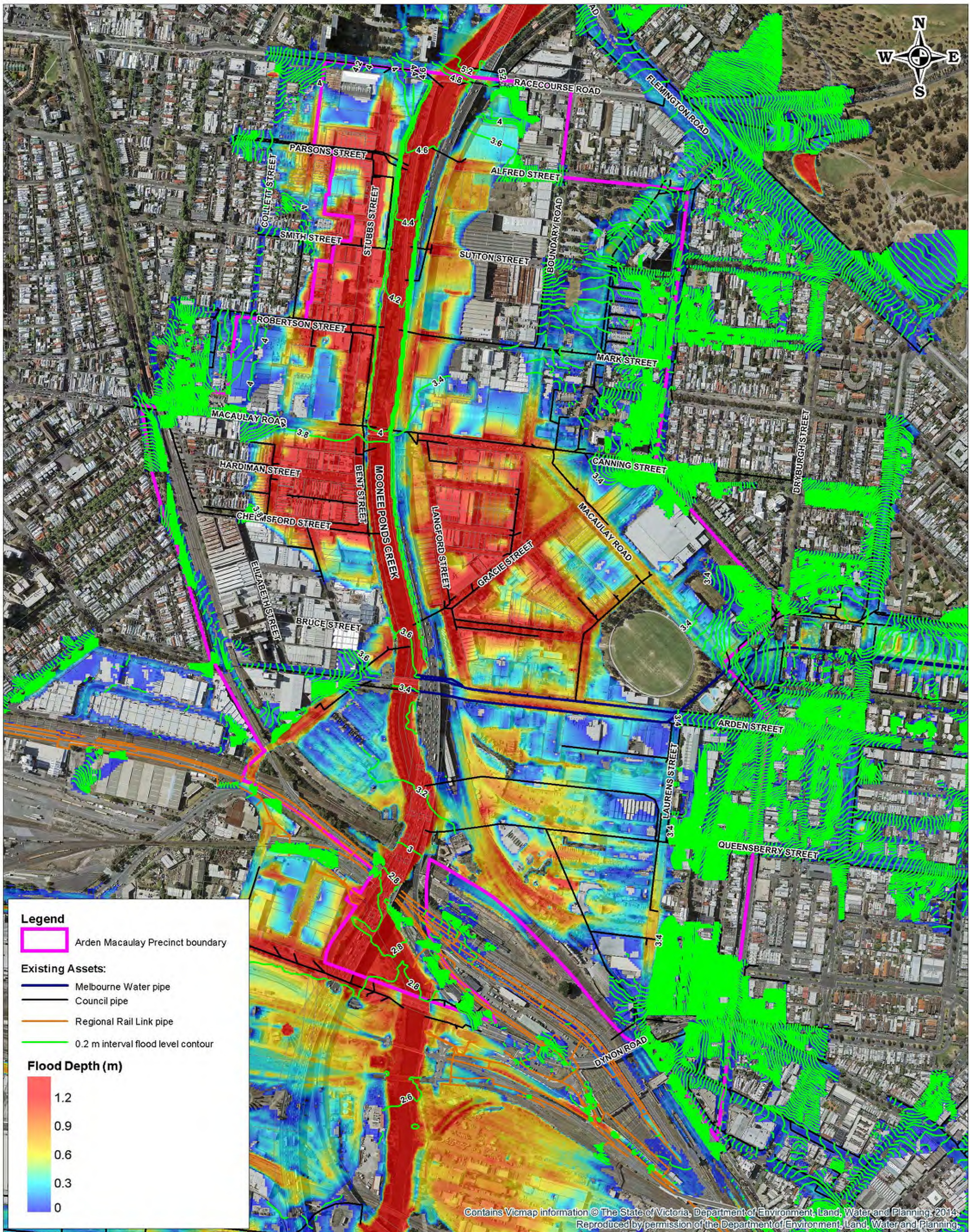


Figure B6: Cross Section - Government Land South of Arden Street
Year 2100 Conditions, 1 % AEP Flood Event



APPENDIX C

Year 2100 With Planning Controls Scenario Flood Maps



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9888 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



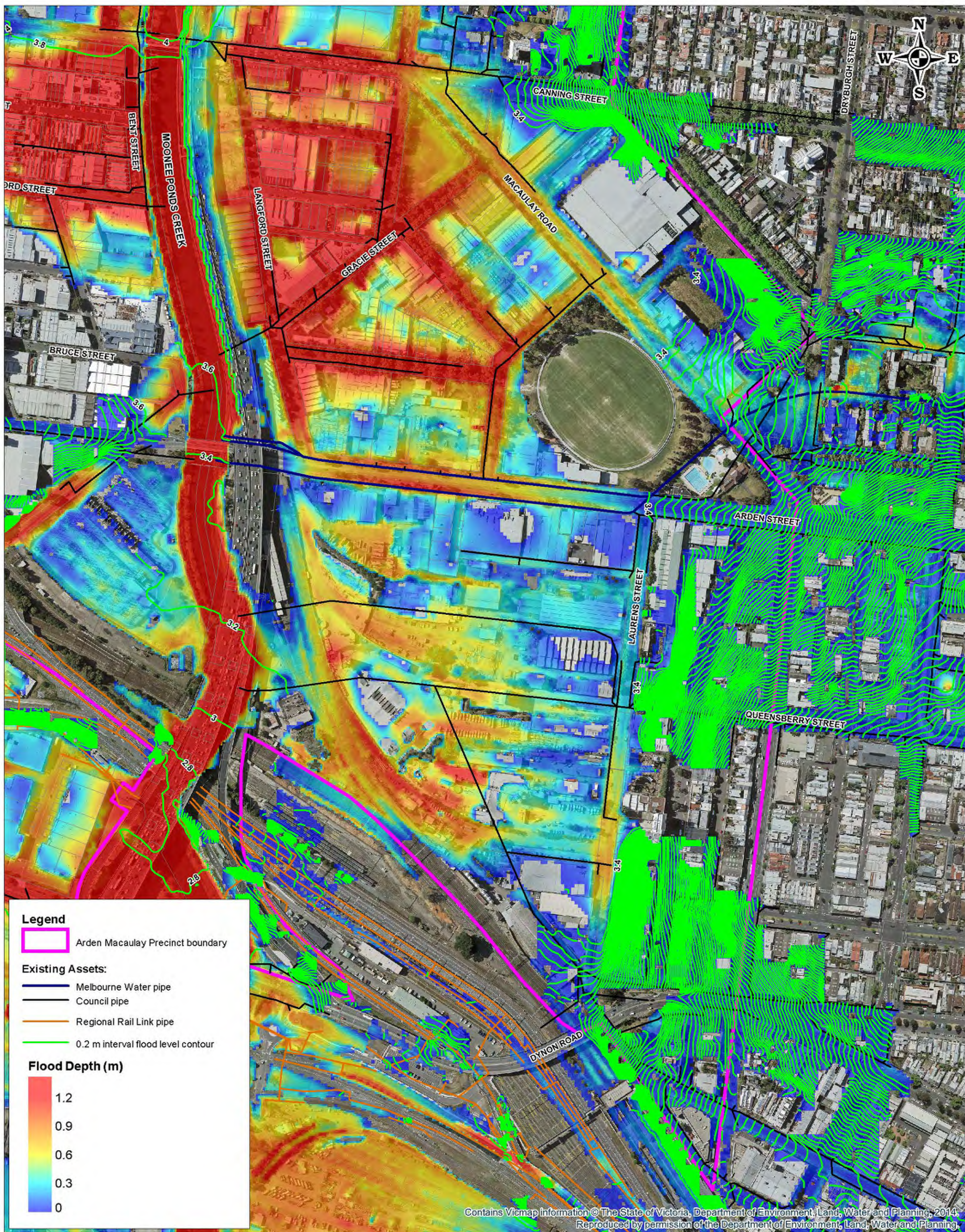
0 130 260
 Scale in metres (1:6,500 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

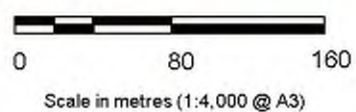
Arden Macaulay Precinct

Figure C1
 1% AEP Flood Map - Year 2100 with
 Planning Controls Scenario

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
PO Box 452 Canterbury VIC 3126
www.engeny.com.au
P: 03 9888 6978
F: 03 9830 2601
E: melb@engeny.com.au



Map Projection: Universal Transverse Mercator
Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
Vertical Datum: Australia Height Datum
Grid: Map Grid of Australia, Zone 55

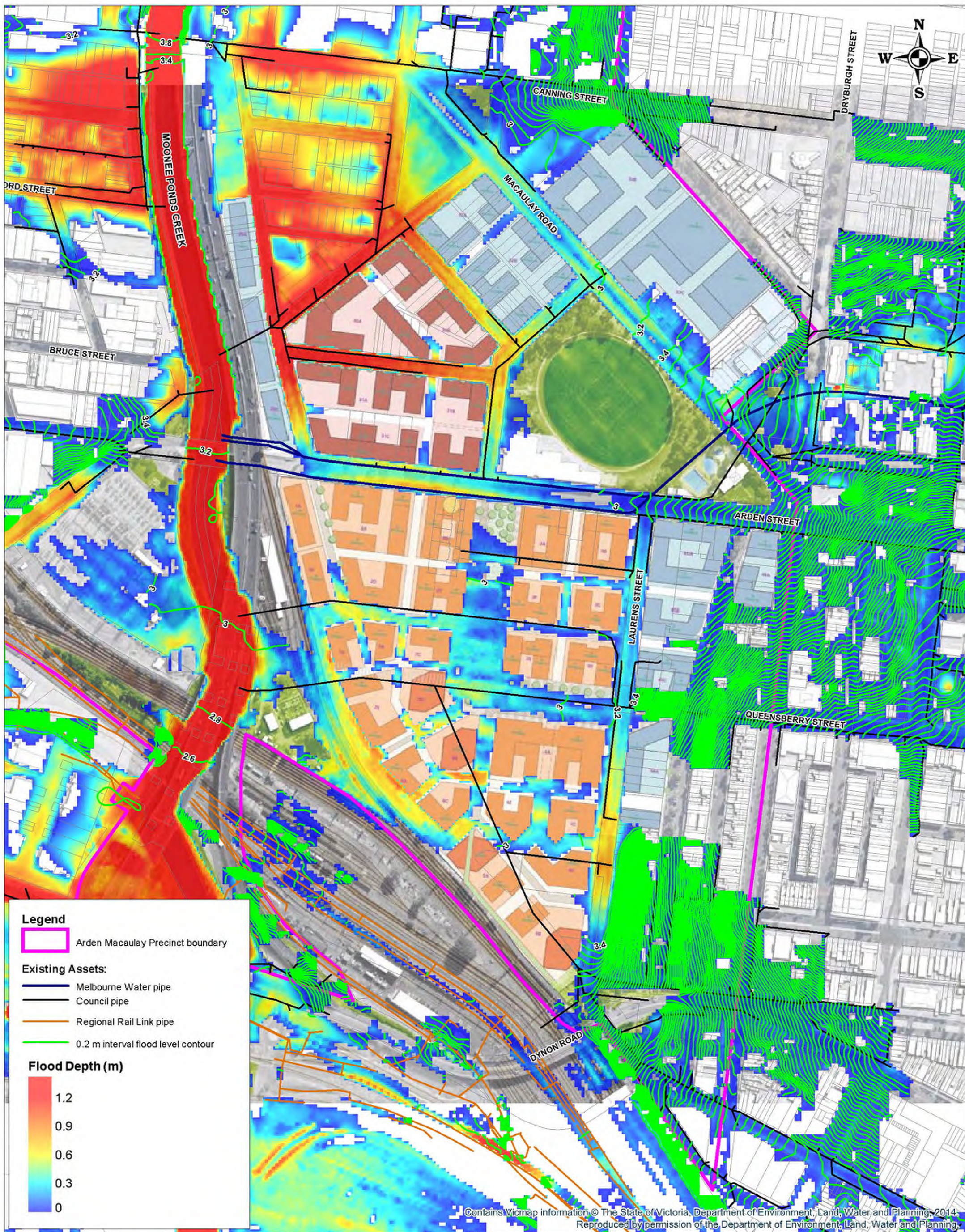
Arden Macaulay Precinct

Figure C2
1% AEP Flood Map - Year 2100 with
Planning Controls Scenario
Government Land

Job Number: V3000_052
Revision: 0
Drawn: PC
Checked: AP
Date: 29 Feb 2016

APPENDIX D

MPA Strategic Vision Flood Maps



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9898 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



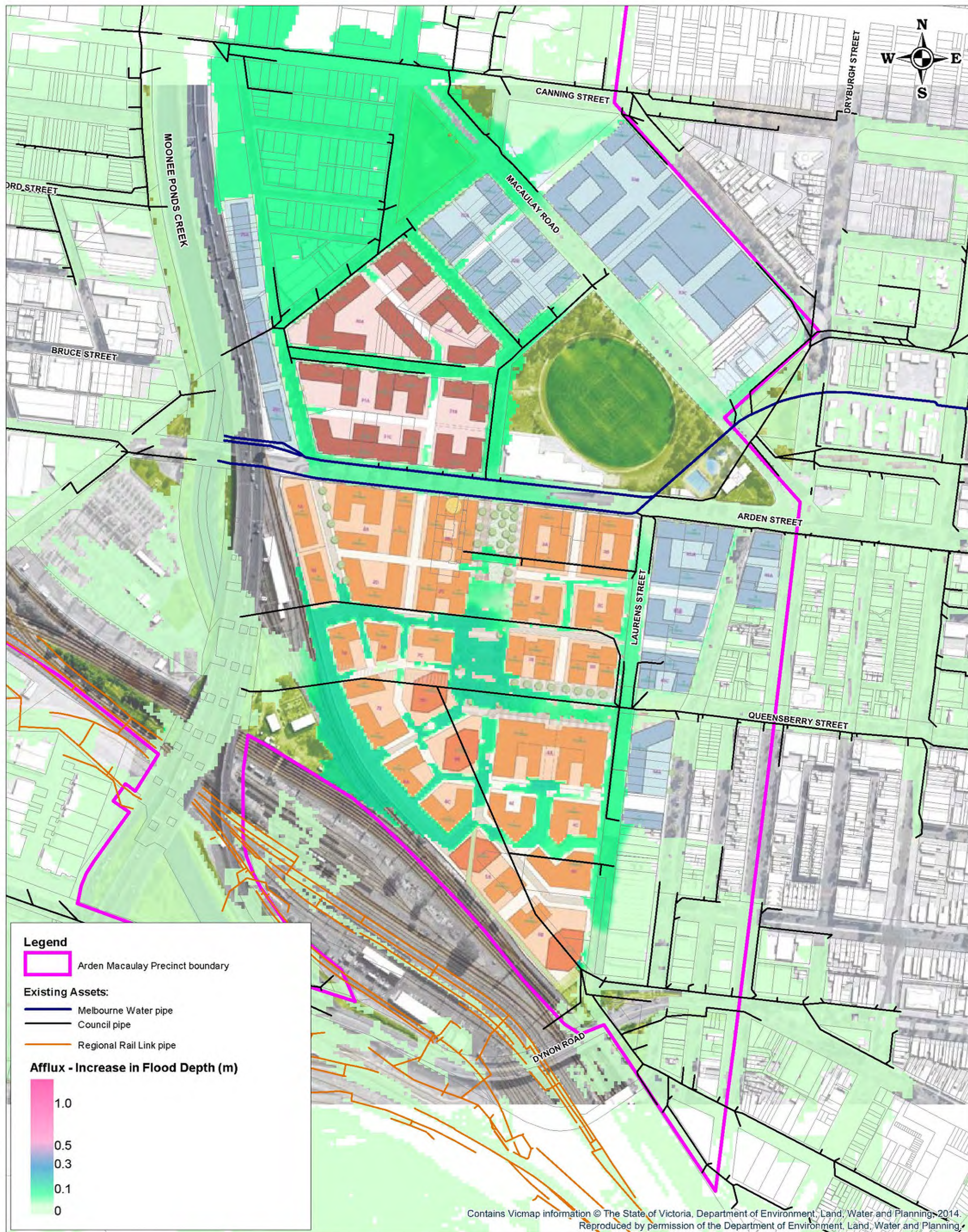
0 80 160
 Scale in metres (1:4,000 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure D1
 1% AEP Flood Map - MPA Strategic
 Vision, Existing Flow Conditions

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9898 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



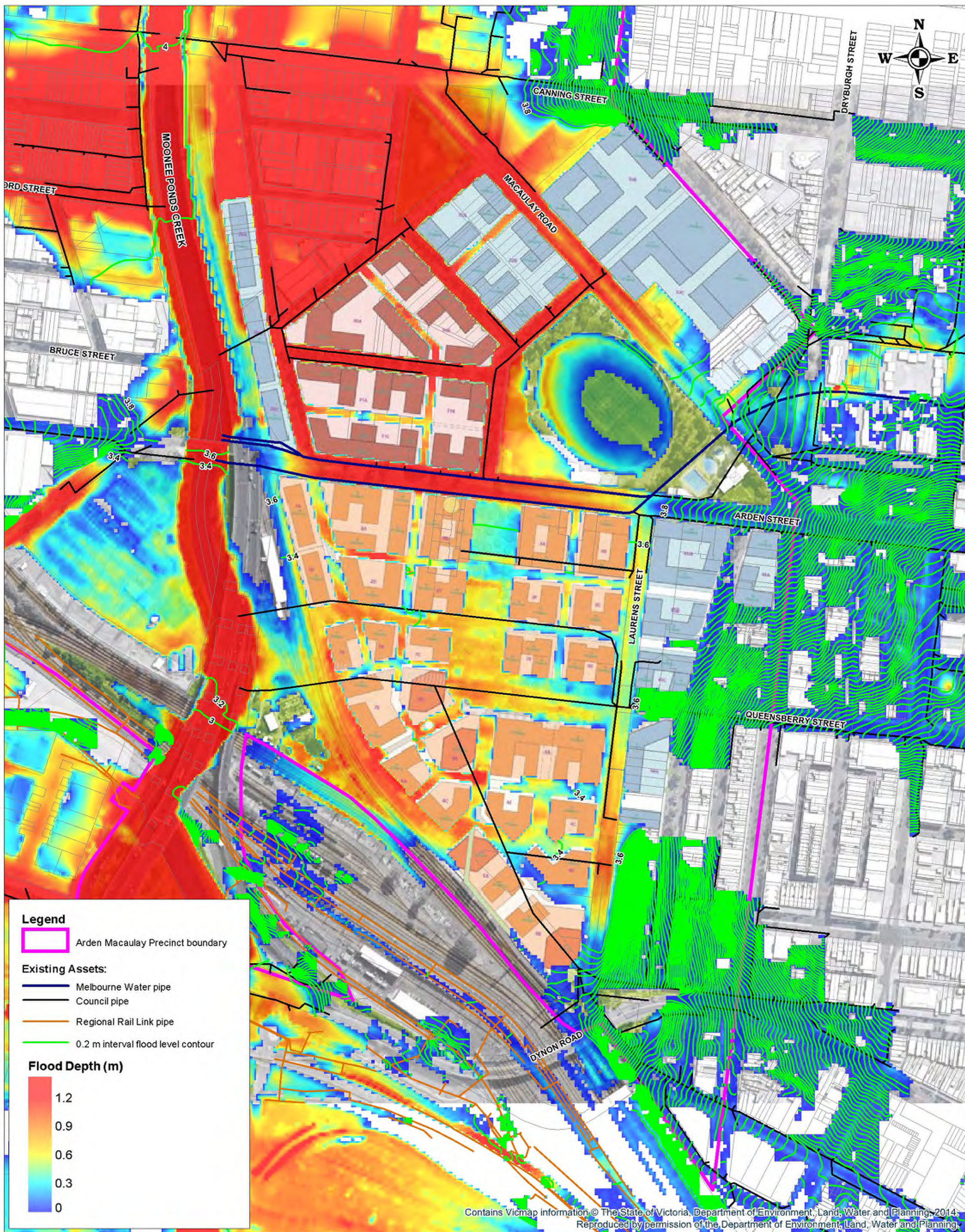
0 80 160
 Scale in metres (1:4,000 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure D2
 Increase in flood depth due to loss of
 flood storage arising from Arden Street
 Development with no drainage works
 for existing flow conditions

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9898 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



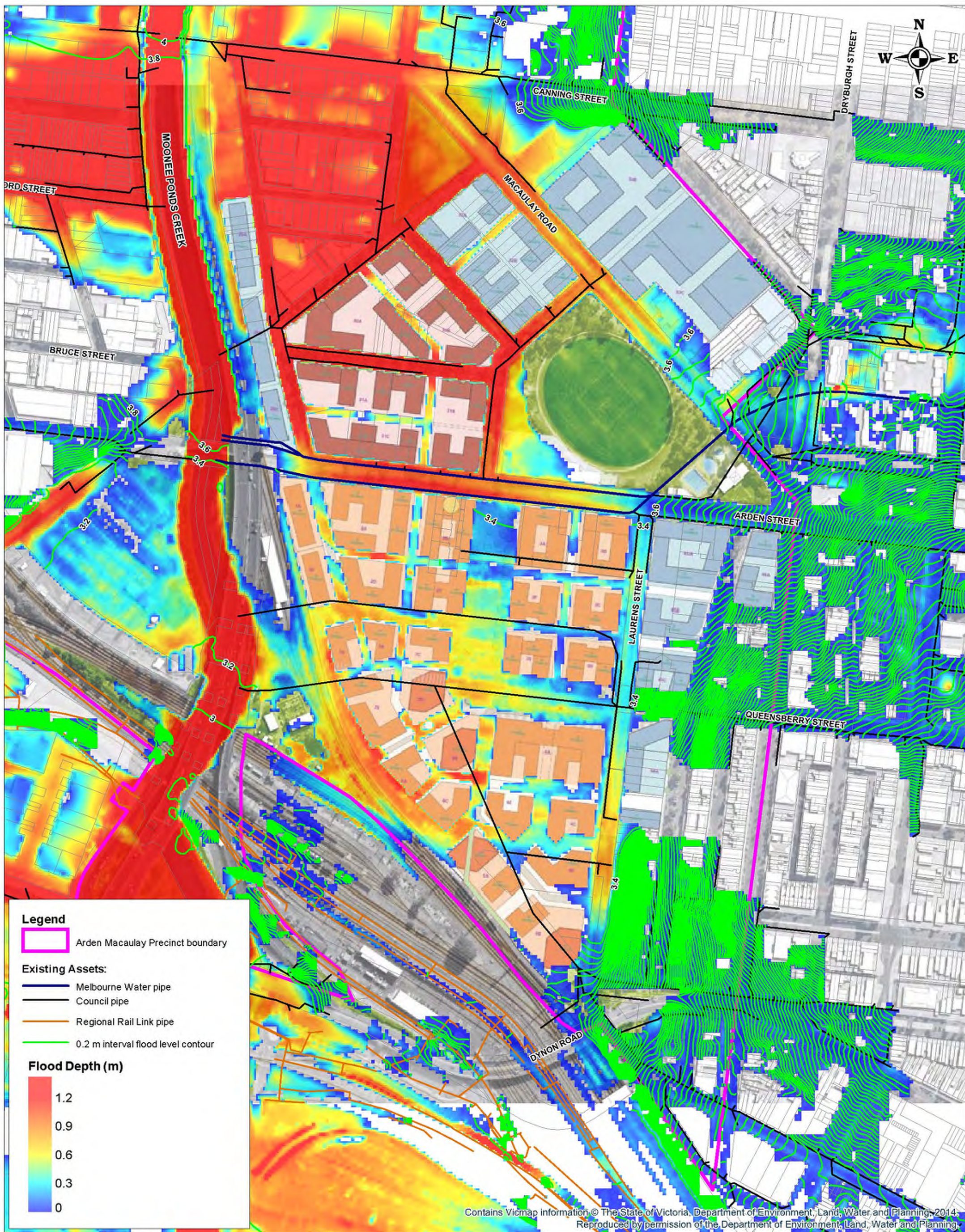
0 80 160
 Scale in metres (1:4,000 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

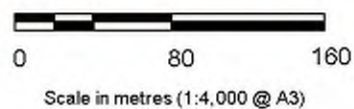
Arden Macaulay Precinct

Figure D3
 1% AEP Flood Map - MPA Strategic
 Vision, Year 2100 Flow Conditions

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9898 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

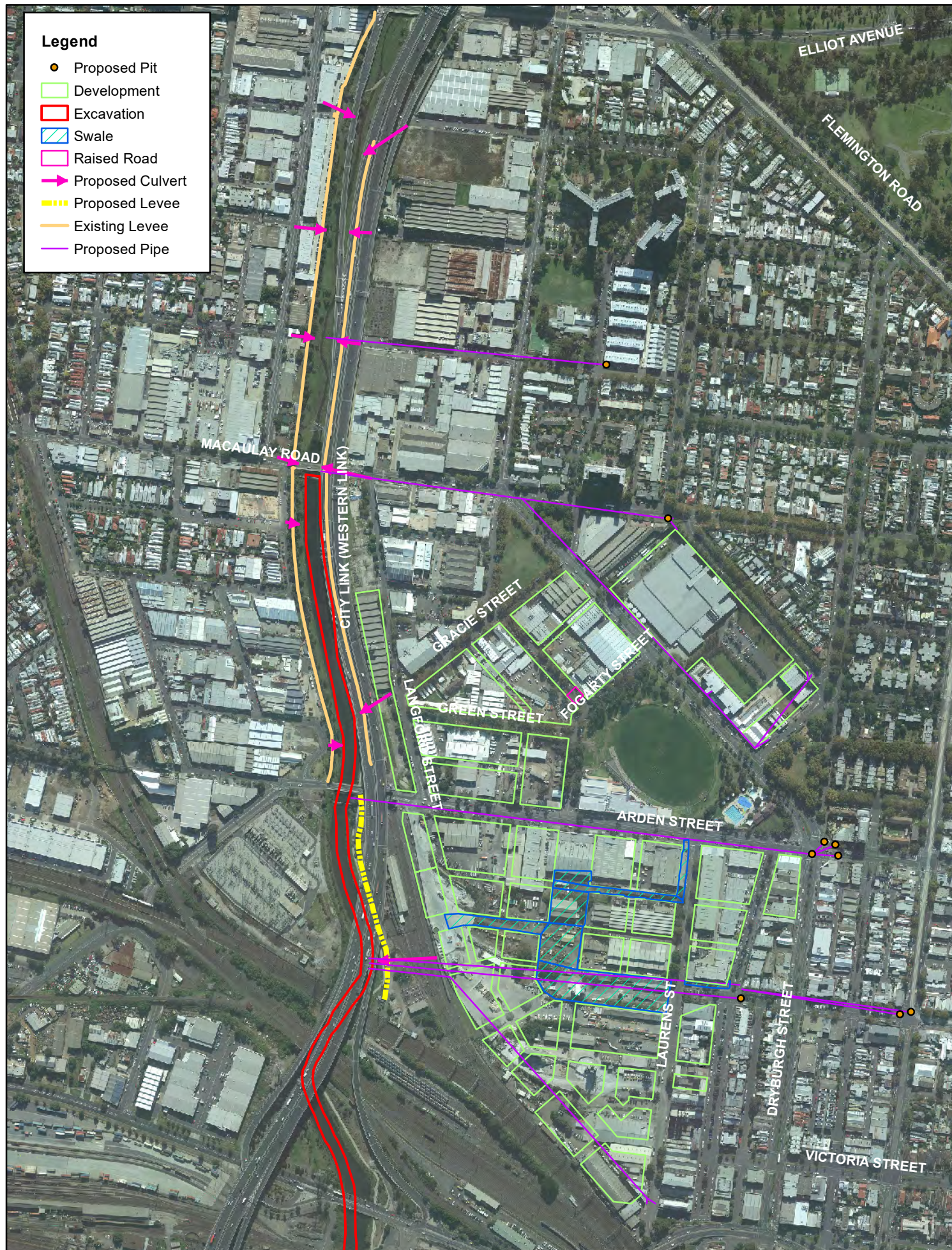
Arden Macaulay Precinct

Figure D4
 1% AEP Flood Map - MPA Strategic
 Vision, Year 2100 with Planning
 Controls Flow Conditions

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016

APPENDIX E

MMRA Proposed Mitigation Works Flood Maps



JACOBS
DRAFT

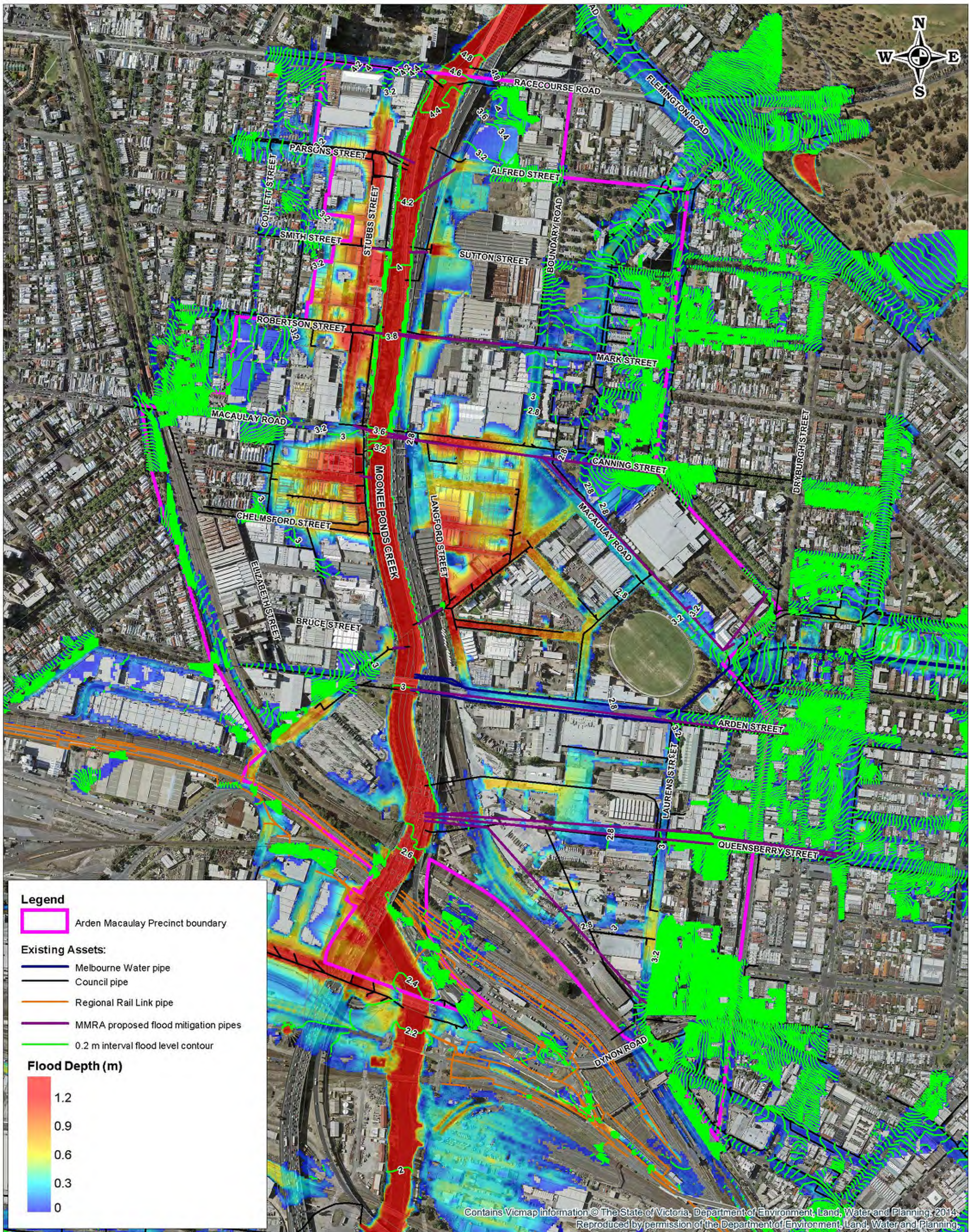


0 0.04250.085 0.17
km
1:7,168 at A4
Projection: MGA Zone 55

09/09/2015 - Sk01

Model Layout

Development Case with excavated creek



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9888 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



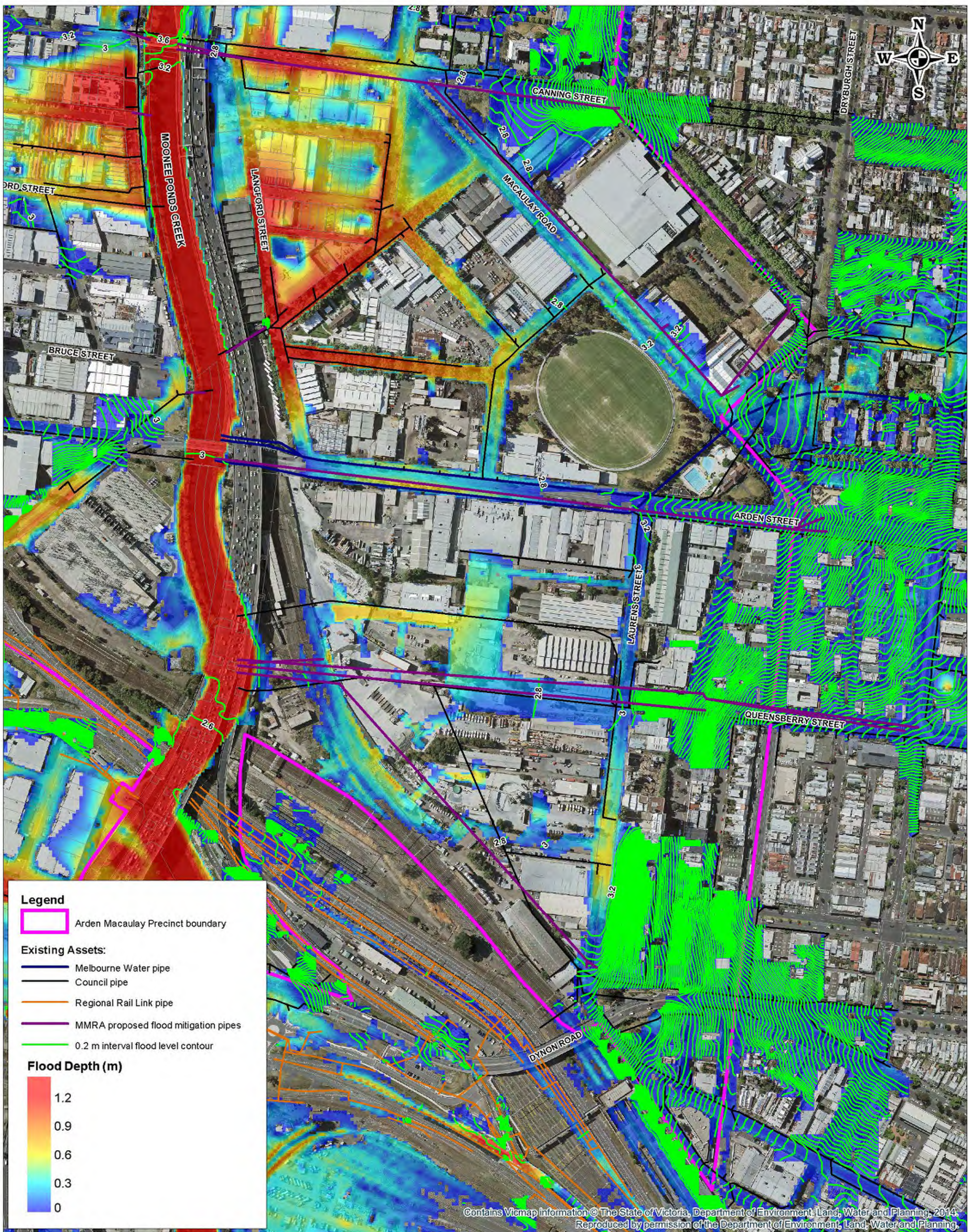
0 130 260
 Scale in metres (1:6,500 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure E2
 1% AEP Flood Map - MMRA Proposed
 Works under Existing Flow Conditions

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9888 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



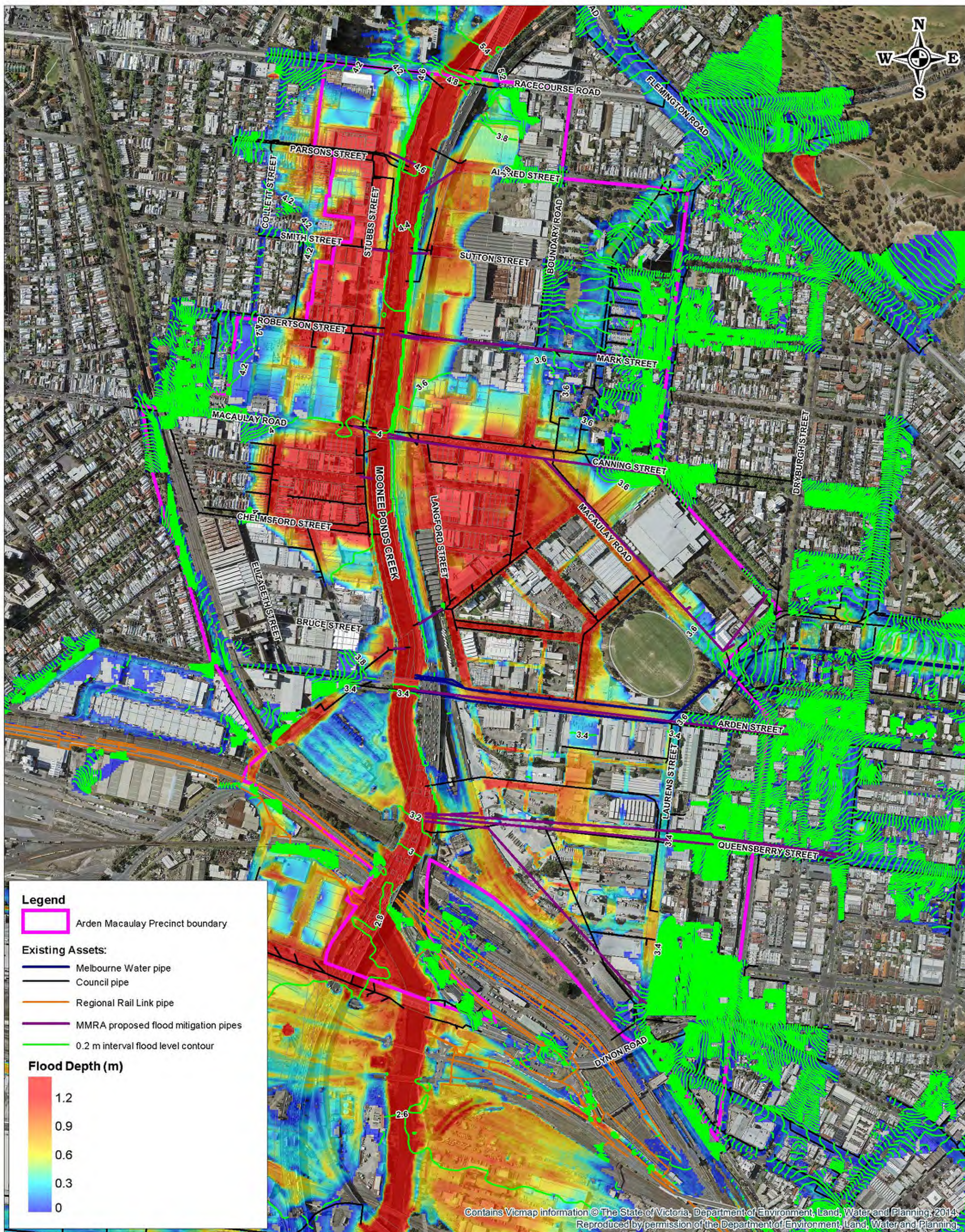
0 80 160
 Scale in metres (1:4,000 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure E3
 1% AEP Flood Map - MMRA Proposed
 Works under Existing Flow Conditions
 Government Land

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9888 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



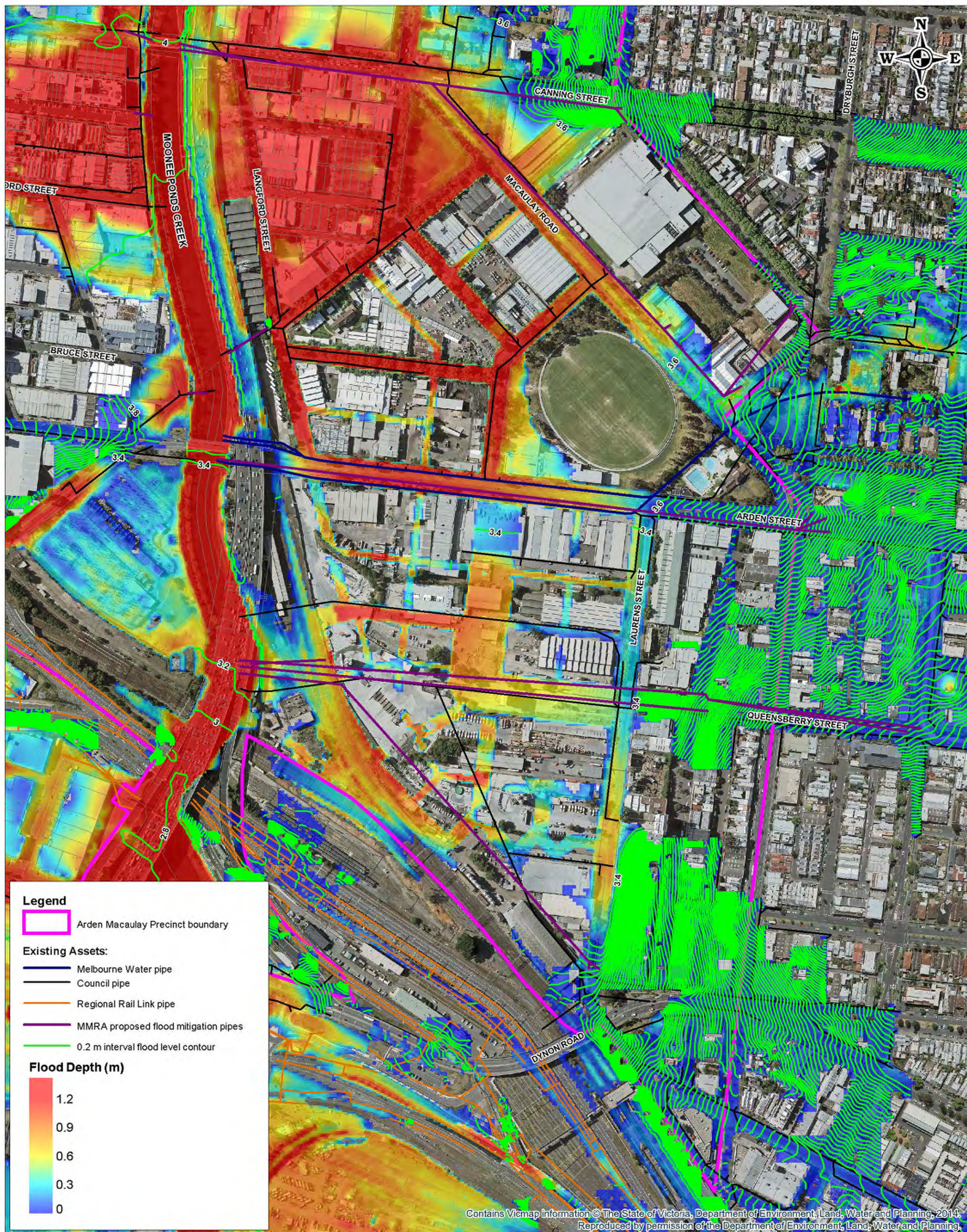
0 130 260
 Scale in metres (1:6,500 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

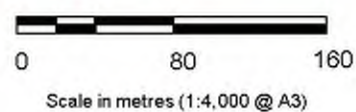
Arden Macaulay Precinct

Figure E4
 1% AEP Flood Map - MMRA Proposed
 Works under Year 2100 Flow Conditions

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9888 6978
 F: 03 9830 2601
 E: melb@engeny.com.au

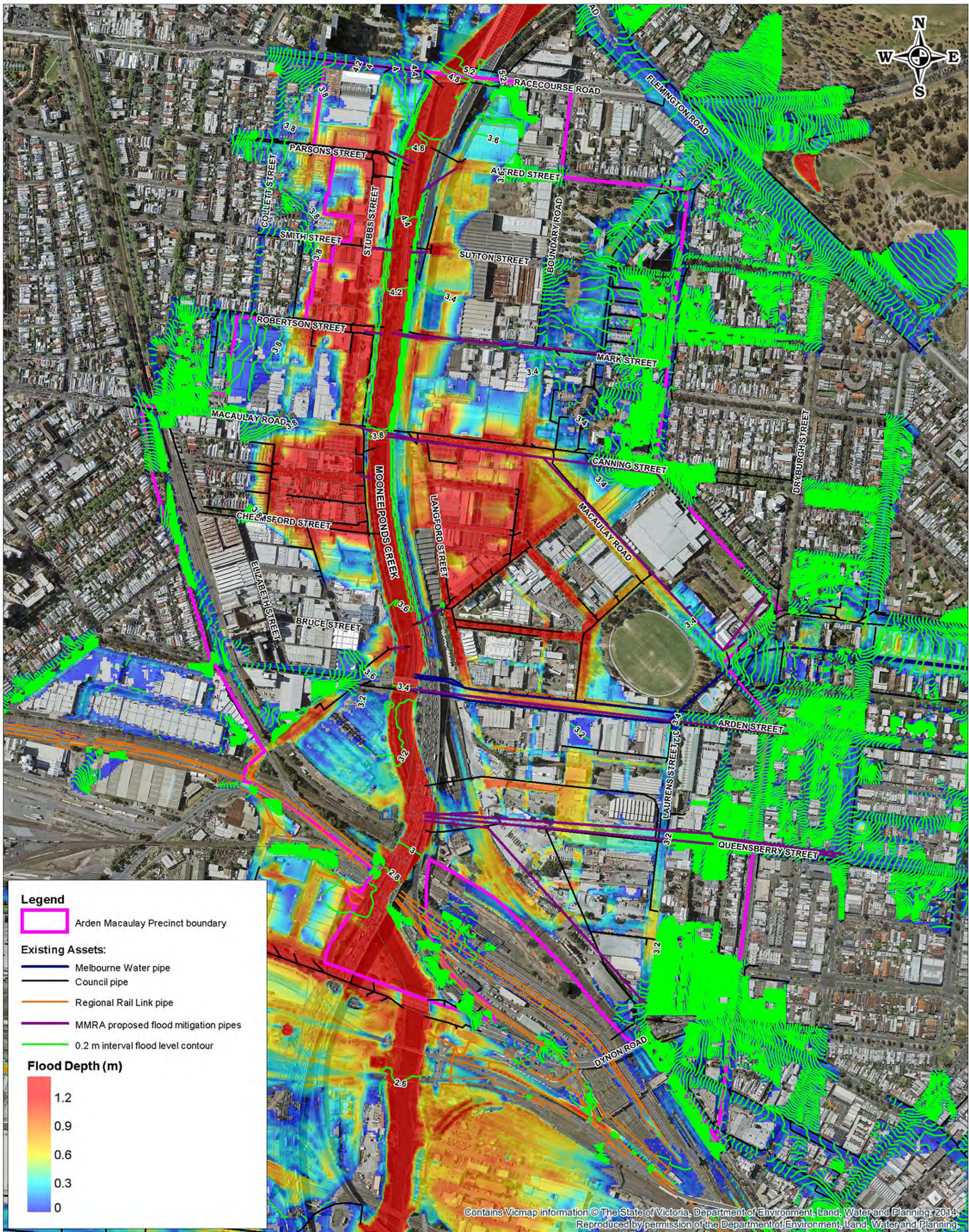


Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure E5
 1% AEP Flood Map - MMRA Proposed
 Works under Year 2100 Flow Conditions
 Government Land

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9888 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



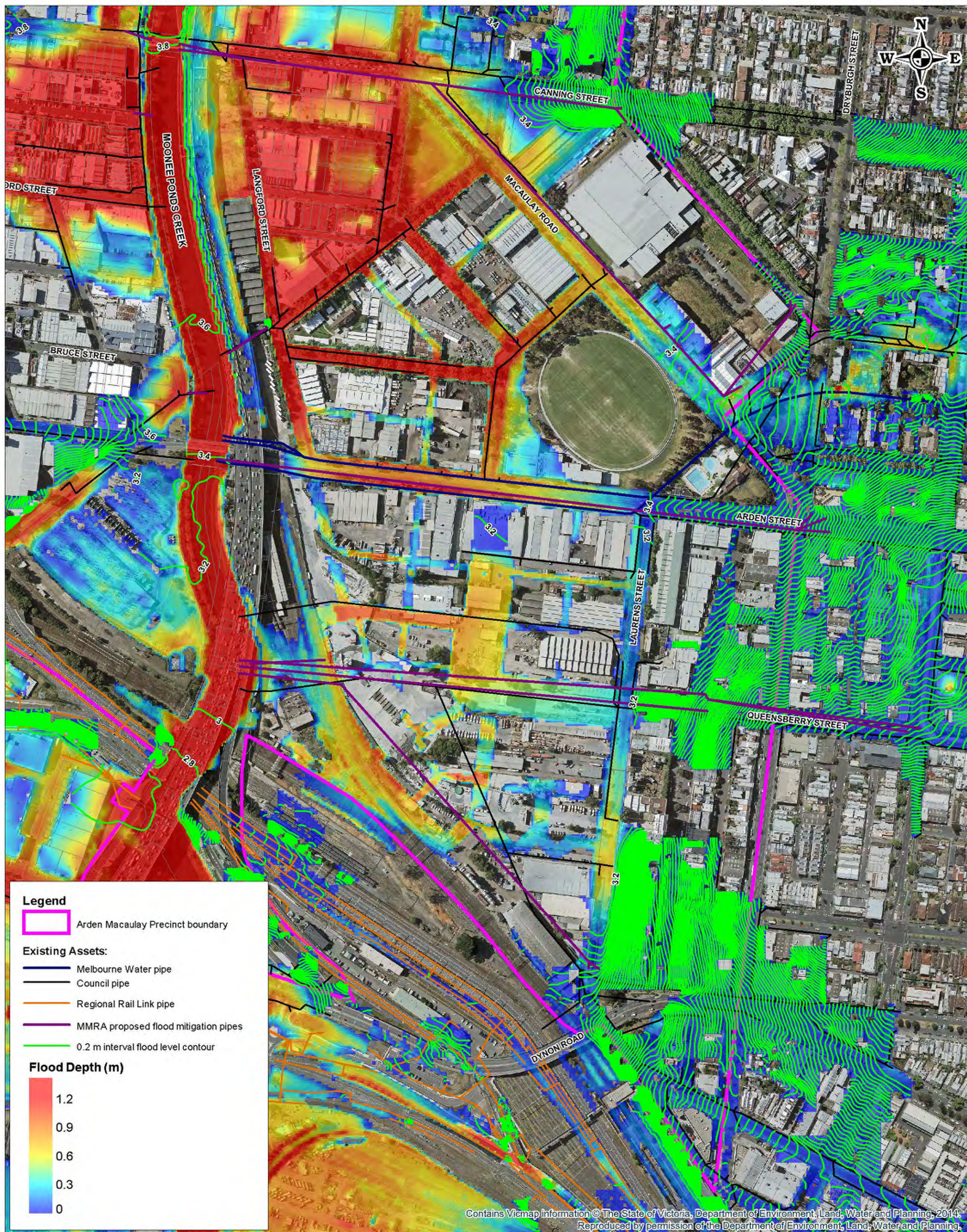
0 80 160
 Scale in metres (1:4,000 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure E6
 1% AEP Flood Map - MMRA Proposed
 Works under Year 2100 With Planning
 Controls Flow Conditions

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9888 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



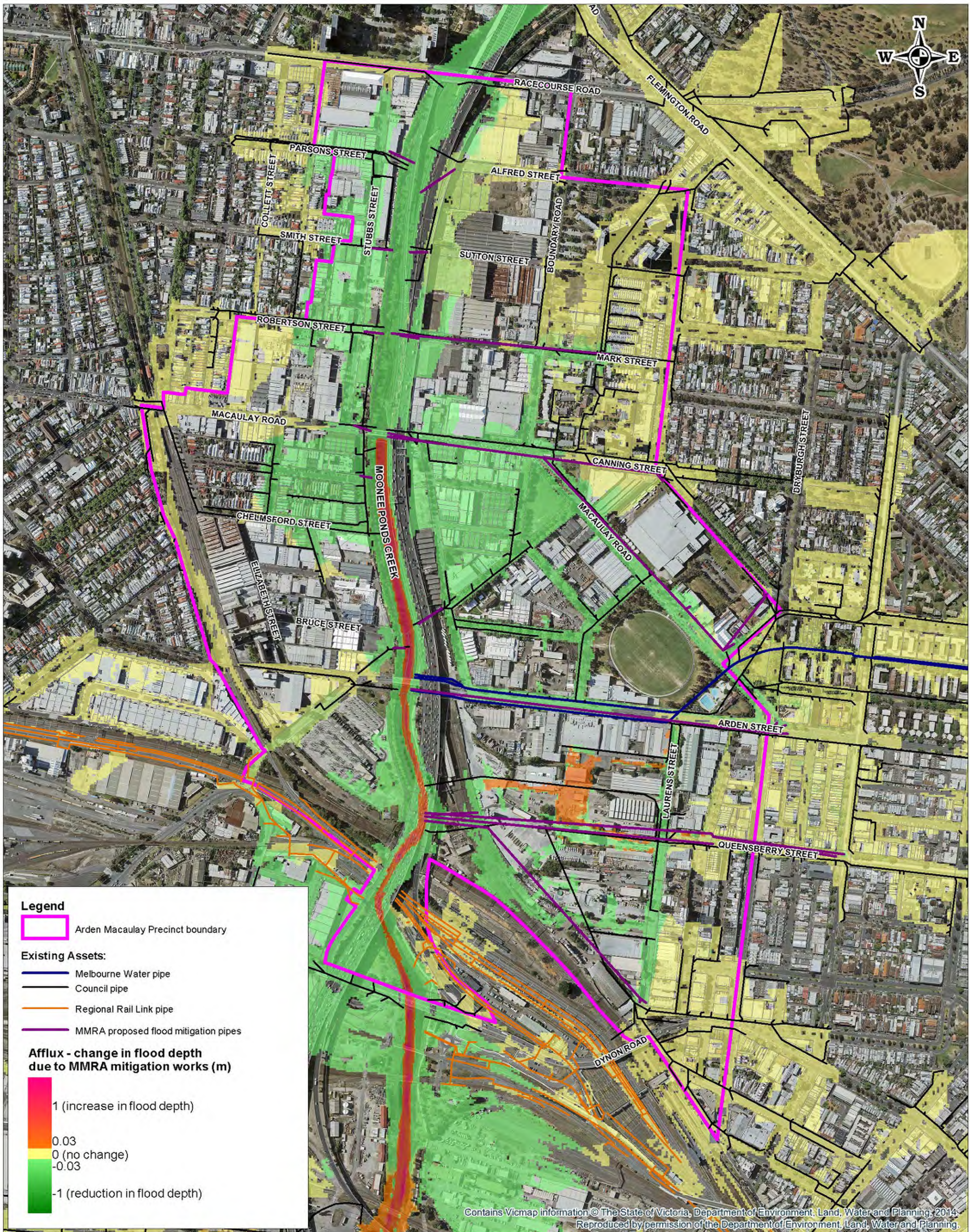
0 80 160
 Scale in metres (1:4,000 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure E7
 1% AEP Flood Map - MMRA Proposed
 Works under Year 2100 with Planning
 Controls Flow Conditions
 Government Land

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016



Suite 15, 333 Canterbury Rd Canterbury VIC 3126
 PO Box 452 Canterbury VIC 3126
 www.engeny.com.au
 P: 03 9888 6978
 F: 03 9830 2601
 E: melb@engeny.com.au



0 130 260
 Scale in metres (1:6,500 @ A3)

Map Projection: Universal Transverse Mercator
 Horizontal Datum: Geocentric Datum of Australia 1994. (GDA94)
 Vertical Datum: Australia Height Datum
 Grid: Map Grid of Australia, Zone 55

Arden Macaulay Precinct

Figure E8
 Change in flood depth due to MMRA
 proposed flood mitigation works
 for existing flow conditions

Job Number: V3000_052
 Revision: 0
 Drawn: PC
 Checked: AP
 Date: 29 Feb 2016