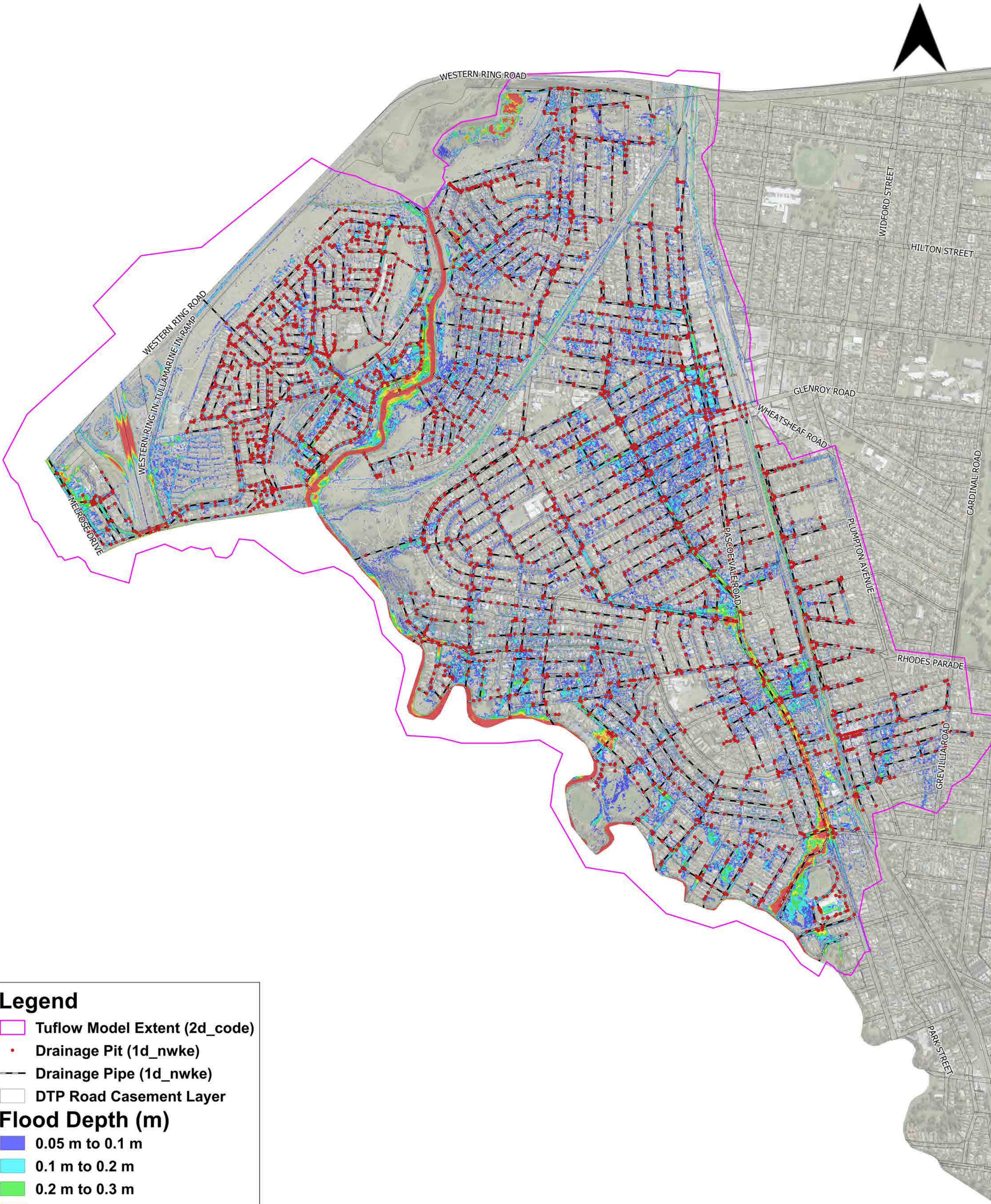

APPENDIX E: 1% AEP DEPTH AND HAZARD MAPS





Legend

- Tuflow Model Extent (2d_code)
- Drainage Pit (1d_nwke)
- Drainage Pipe (1d_nwke)
- DTP Road Casement Layer

Flood Depth (m)

- 0.05 m to 0.1 m
- 0.1 m to 0.2 m
- 0.2 m to 0.3 m
- 0.3 m to 0.4 m
- 0.4 m to 0.5 m
- Above 0.5 m

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100 0 100 200 300 400 m

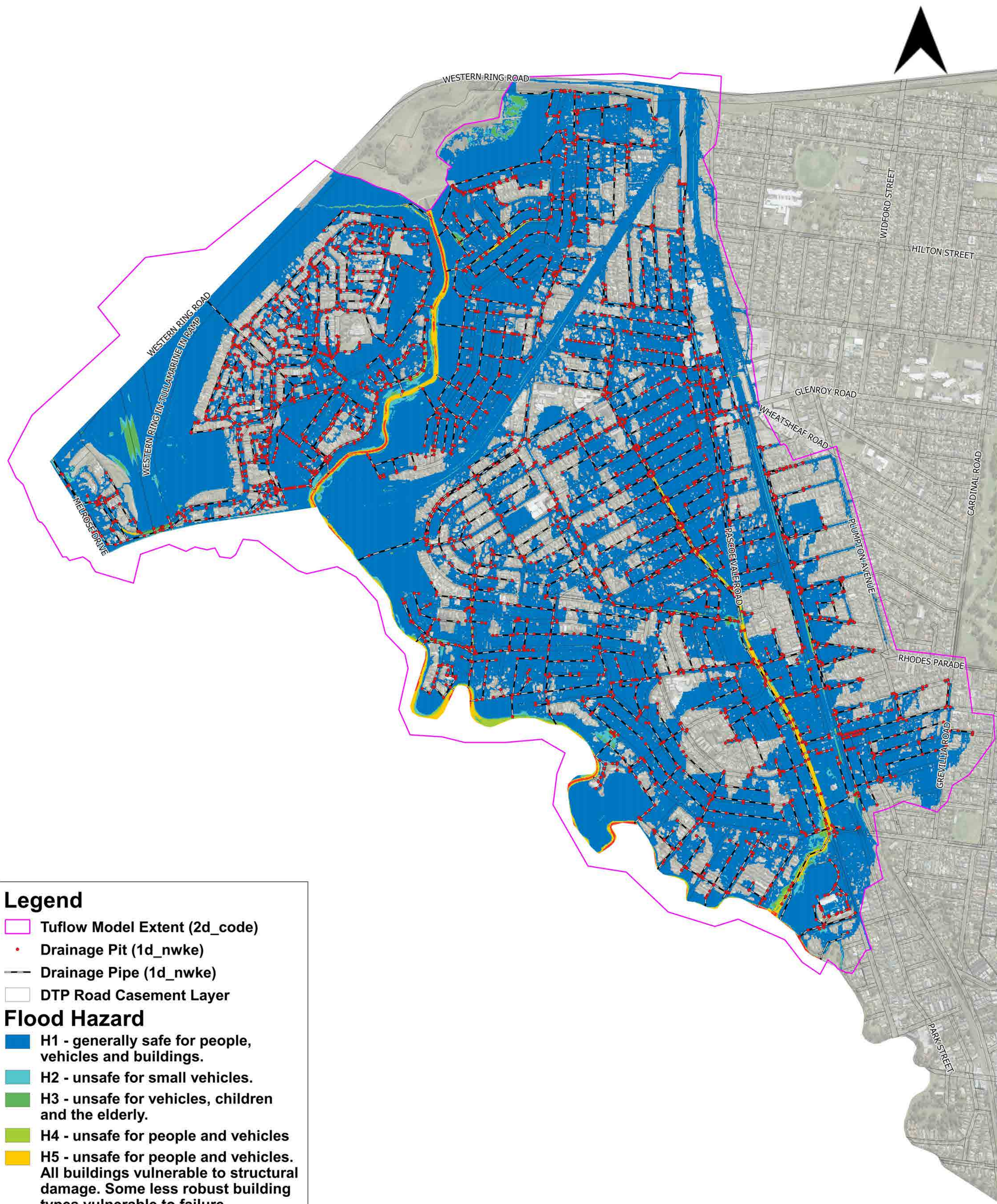
Scale in metres (1:7,000 @ A1)

Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of Australia
Vertical Datum: Australia Height Datum
Grid: Map Grid of Australia, Zone 55

Stormwater Overland Flow Mapping

Flood Depth - 1% AEP Climate Change
Chapman Avenue Drain (CHAP) Catchment

Job Number: VC2023_006
Revision: 0
Drawn: AS
Checked: KP
Date: 15/8/2023



Legend

- Tuflow Model Extent (2d_code)
- Drainage Pit (1d_nwke)
- Drainage Pipe (1d_nwke)
- DTP Road Casement Layer

Flood Hazard

- H1 - generally safe for people, vehicles and buildings.
- H2 - unsafe for small vehicles.
- H3 - unsafe for vehicles, children and the elderly.
- H4 - unsafe for people and vehicles
- H5 - unsafe for people and vehicles. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure
- H6 - unsafe for vehicles and people. All building types considered vulnerable to failure.

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City Council

100 0 100 200 300 400 m

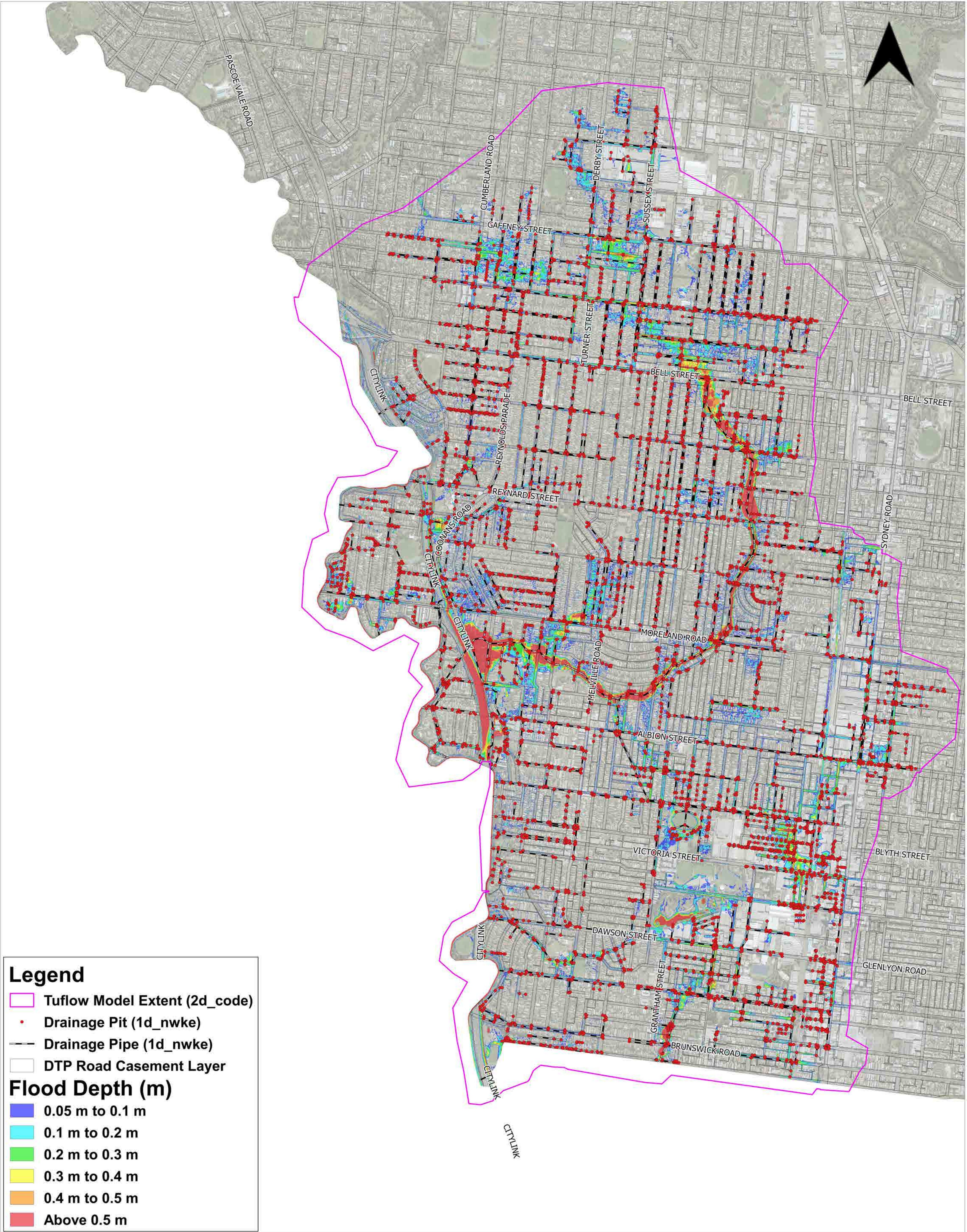
Scale in metres (1:7,000 @ A1)

Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of Australia
Vertical Datum: Australia Height Datum
Grid: Map Grid of Australia, Zone 55

Stormwater Overland Flow Mapping

Flood Hazard - 1% AEP Climate Change
Chapman Avenue Drain (CHAP)
Catchment

Job Number: VC2023_006
Revision: 0
Drawn: AS
Checked: KP
Date: 15/8/2023



Legend

- Tuflow Model Extent (2d_code)
 - Drainage Pit (1d_nwke)
 - Drainage Pipe (1d_nwke)
 - DTP Road Casement Layer
- Flood Depth (m)**
- 0.05 m to 0.1 m
 - 0.1 m to 0.2 m
 - 0.2 m to 0.3 m
 - 0.3 m to 0.4 m
 - 0.4 m to 0.5 m
 - Above 0.5 m

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150 0 150 300 450 600 m

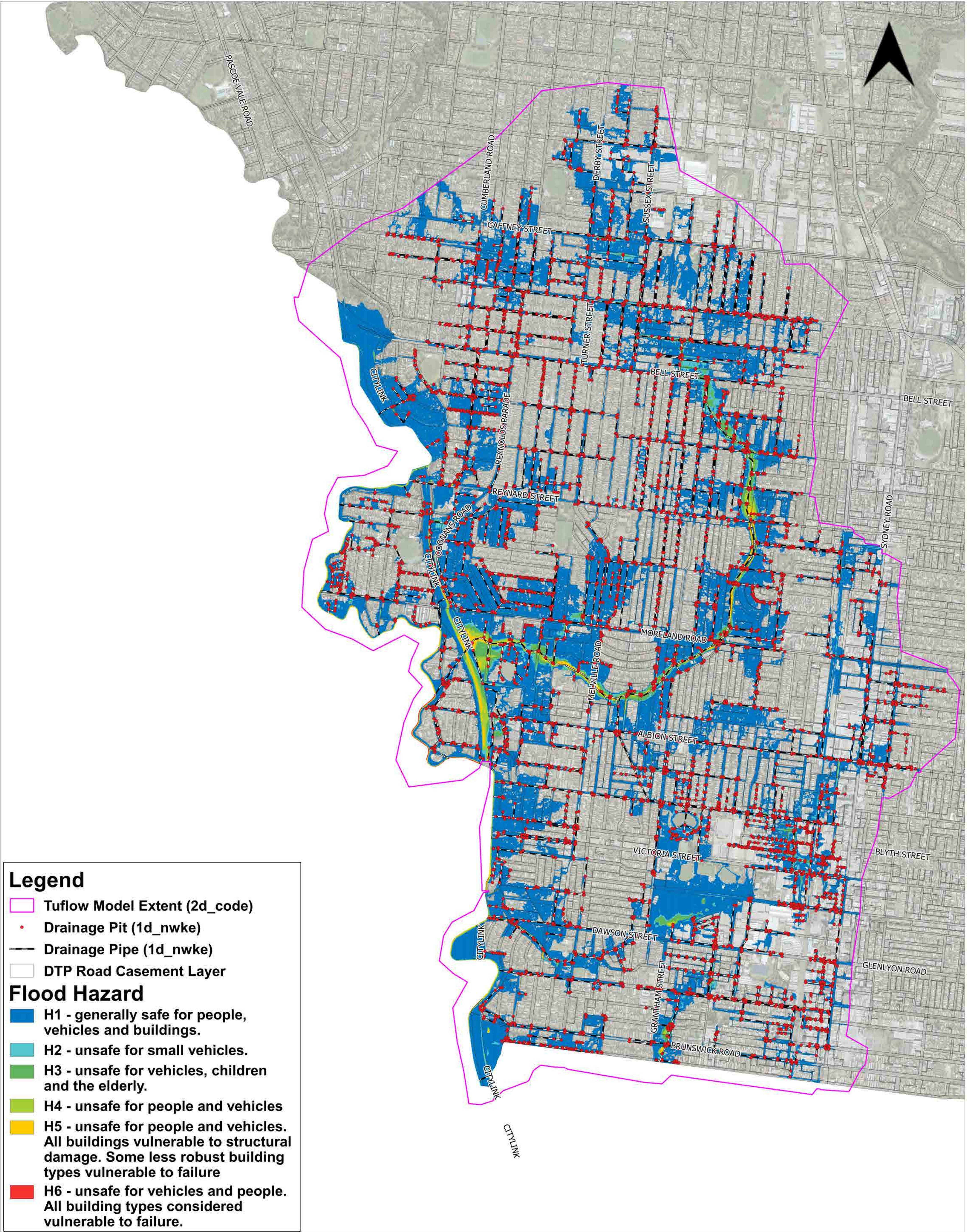
Scale in metres (1:10,000 @ A1)

Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of
Australia
Vertical Datum: Australia Height Datum
Grid: Map Grid of Australia, Zone 55

Stormwater Overland Flow Mapping

**Flood Depth - 1% AEP Climate
Change
Melville Drain (MEL) Catchment**

Job Number: VC2023_006
Revision: 0
Drawn: AS
Checked: KP
Date: 15/8/2023



Legend

- Tuflow Model Extent (2d_code)
- Drainage Pit (1d_nwke)
- Drainage Pipe (1d_nwke)
- DTP Road Casement Layer

Flood Hazard

- H1 - generally safe for people, vehicles and buildings.
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- H5 - unsafe for people and vehicles. All buildings vulnerable to structural damage. Some less robust building types vulnerable to failure
- H6 - unsafe for vehicles and people. All building types considered vulnerable to failure.

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City Council

150 0 150 300 450 600 m

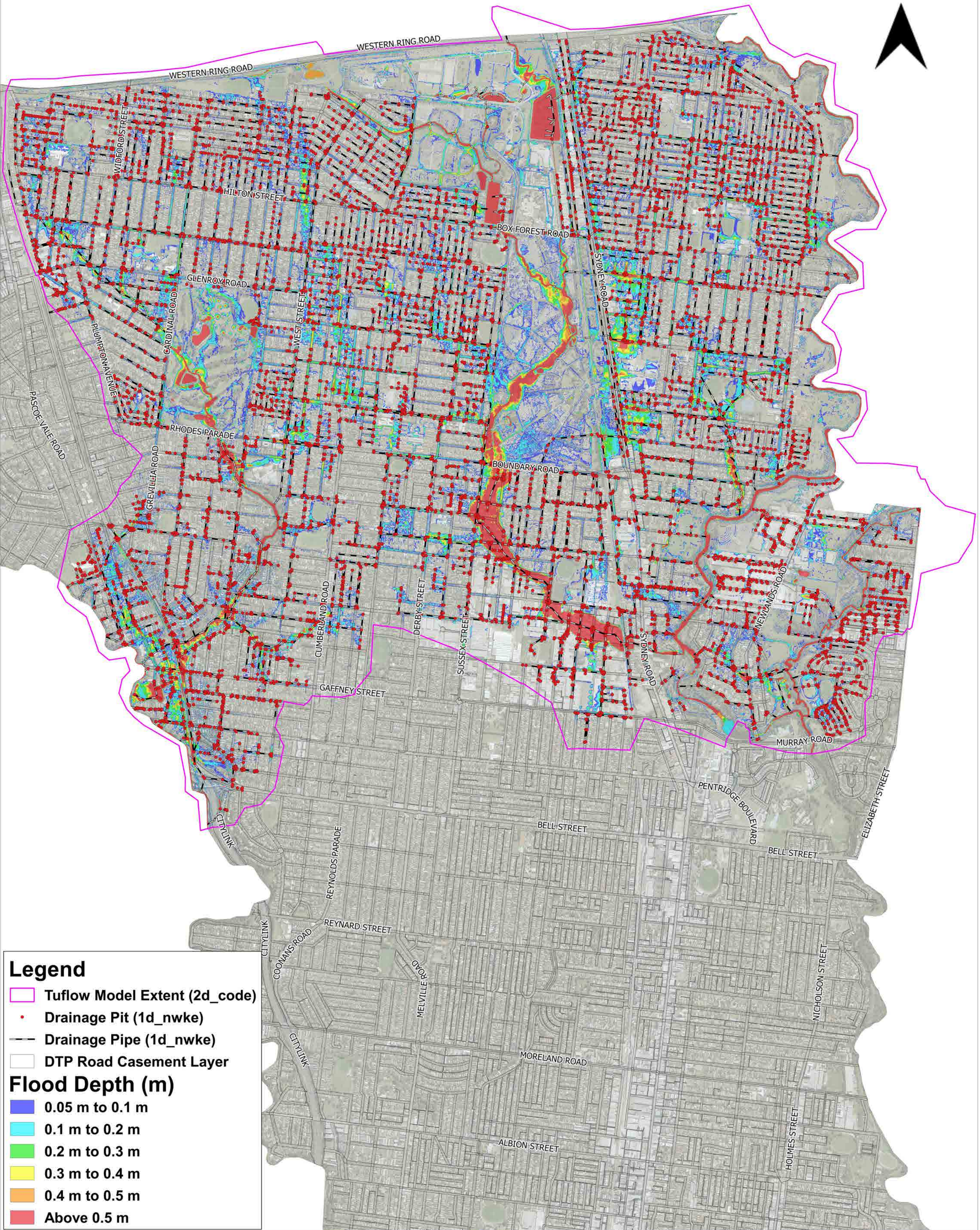
Scale in metres (1:10,000 @ A1)

Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of Australia
Vertical Datum: Australia Height Datum
Grid: Map Grid of Australia, Zone 55

Stormwater Overland Flow Mapping

Flood Hazard - 1% AEP Climate Change
Melville Drain (MEL) Catchment

Job Number: VC2023_006
Revision: 0
Drawn: AS
Checked: KP
Date: 15/8/2023



Legend

- Tuflow Model Extent (2d_code)
 - Drainage Pit (1d_nwke)
 - Drainage Pipe (1d_nwke)
 - DTP Road Casement Layer
- ### Flood Depth (m)
- 0.05 m to 0.1 m
 - 0.1 m to 0.2 m
 - 0.2 m to 0.3 m
 - 0.3 m to 0.4 m
 - 0.4 m to 0.5 m
 - Above 0.5 m

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200 0 200 400 600 800 m

Scale in metres (1:11,500 @ A1)

Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of
Australia

Vertical Datum: Australia Height Datum
Grid: Map Grid of Australia, Zone 55

Stormwater Overland Flow Mapping

**Flood Depth - 1% AEP Climate
Change
North East Catchments (NEC)**

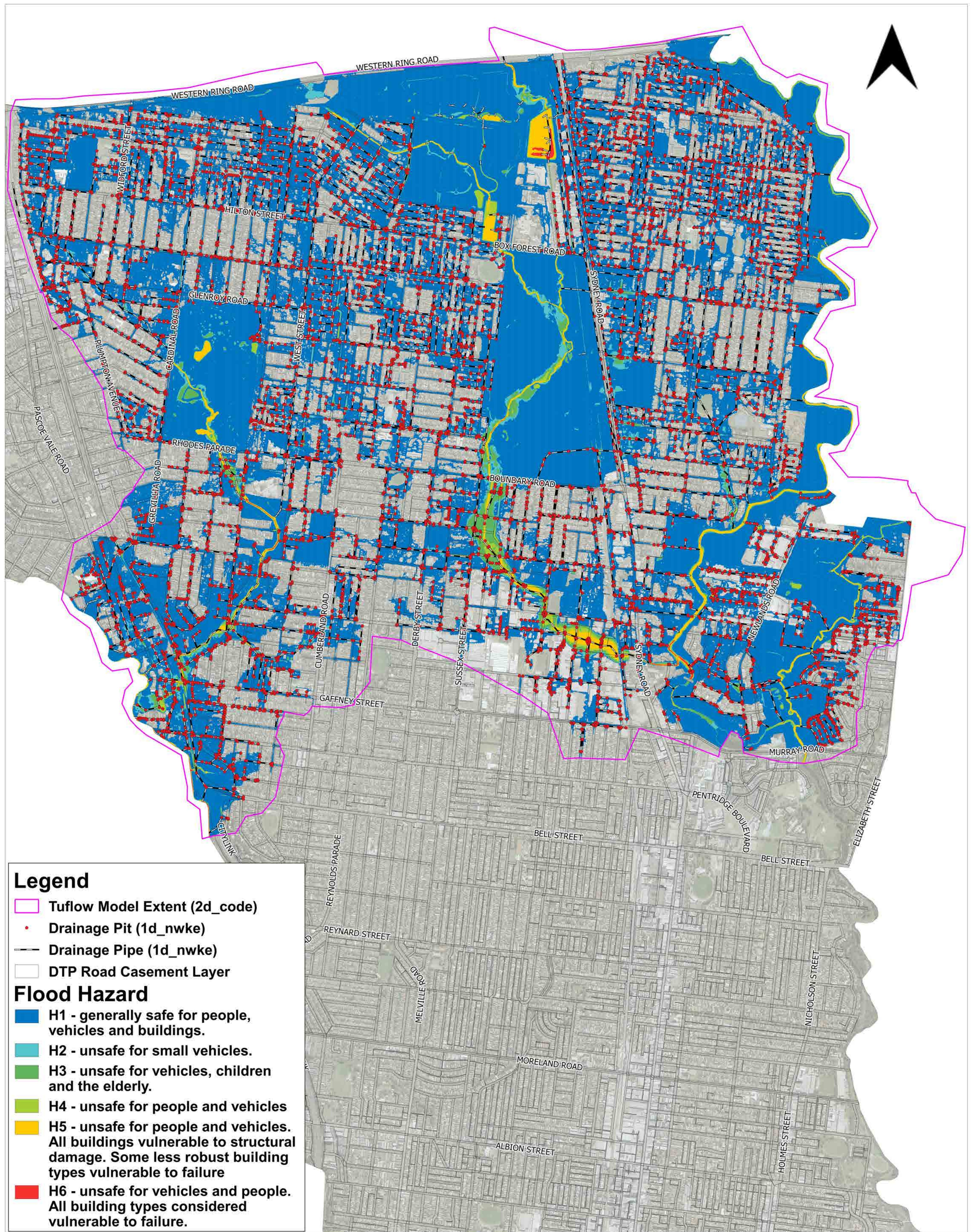
Job Number: VC2023_006

Revision: 0

Drawn: AS

Checked: KP

Date: 15/8/2023



Legend

- Tuflow Model Extent (2d_code)
- Drainage Pit (1d_nwke)
- Drainage Pipe (1d_nwke)
- DTP Road Casement Layer

Flood Hazard

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- H6 - unsafe for vehicles and people. All building types considered vulnerable to failure.

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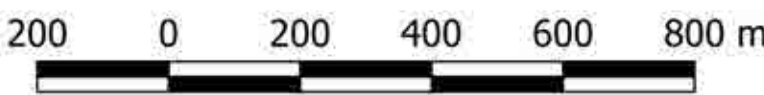
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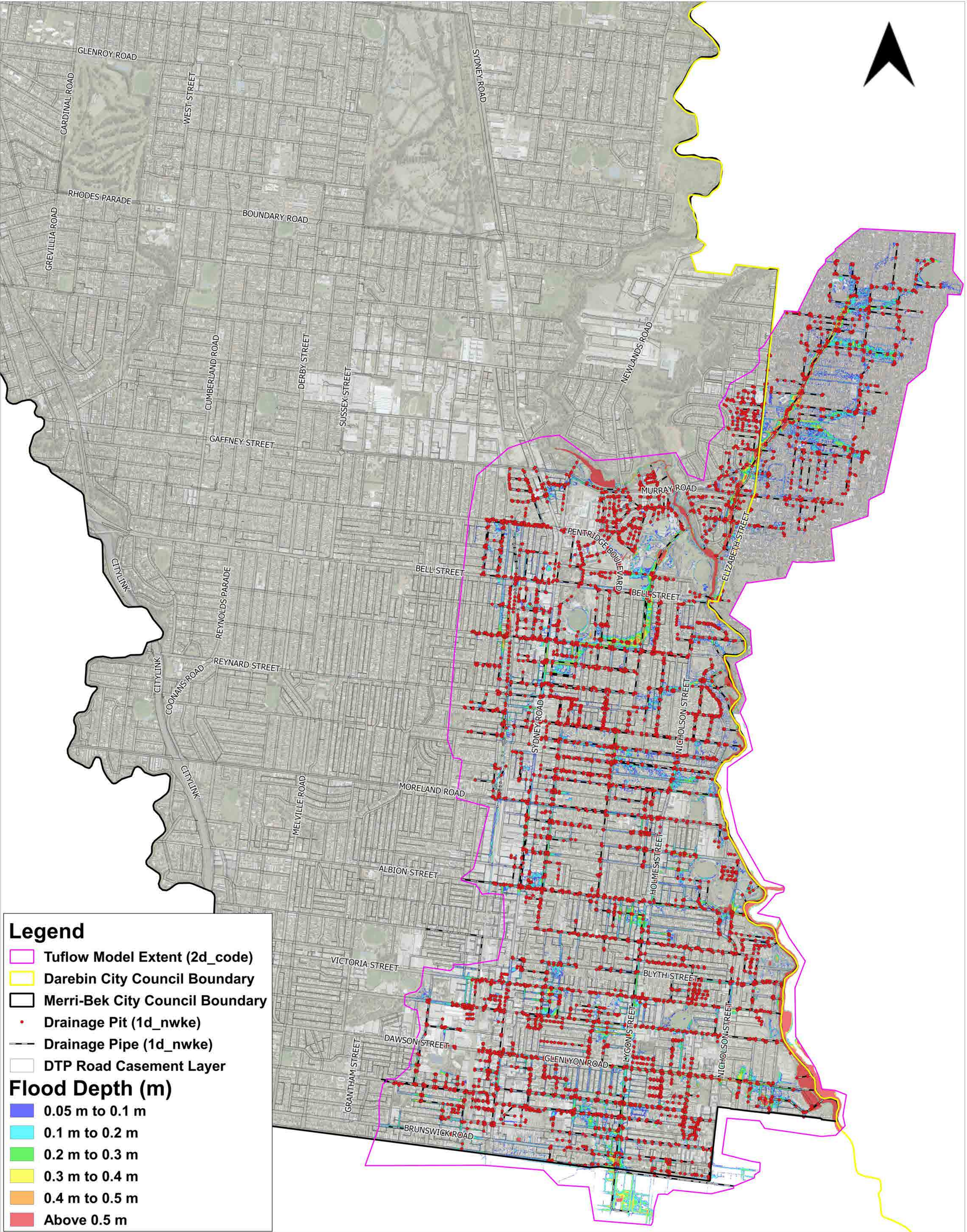
Scale in metres (1:11,500 @ A1)

Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of Australia
Vertical Datum: Australia Height Datum
Grid: Map Grid of Australia, Zone 55

Stormwater Overland Flow Mapping

**Flood Hazard- 1% AEP Climate Change
North East Catchments (NEC)**

Job Number: VC2023_006
Revision: 0
Drawn: AS
Checked: KP
Date: 15/8/2023



Legend

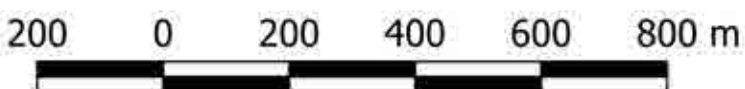
- Tuflow Model Extent (2d_code)
 - Darebin City Council Boundary
 - Merri-Bek City Council Boundary
 - Drainage Pit (1d_nwke)
 - Drainage Pipe (1d_nwke)
 - DTP Road Casement Layer
- Flood Depth (m)**
- 0.05 m to 0.1 m
 - 0.1 m to 0.2 m
 - 0.2 m to 0.3 m
 - 0.3 m to 0.4 m
 - 0.4 m to 0.5 m
 - Above 0.5 m

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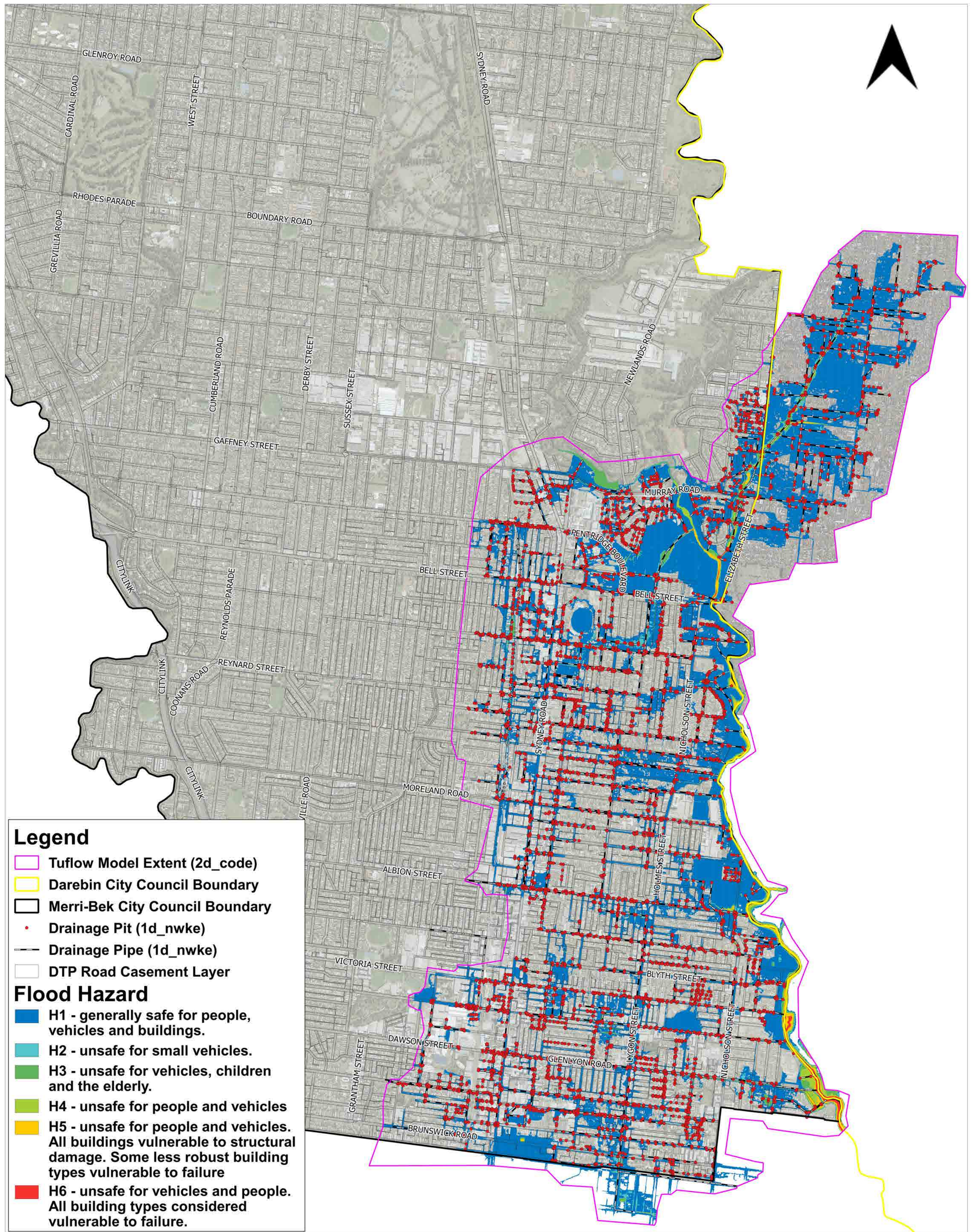
Scale in metres (1:12,000 @ A1)

Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of
Australia
Vertical Datum: Australia Height Datum
Grid: Map Grid of Australia, Zone 55

Stormwater Overland Flow Mapping

**Flood Depth - 1% AEP Climate
Change
South East Catchments (SEC)**

Job Number: VC2023_006
Revision: 0
Drawn: AS
Checked: KP
Date: 15/8/2023



Legend

- Tuflow Model Extent (2d_code)
- Darebin City Council Boundary
- Merri-Bek City Council Boundary
- Drainage Pit (1d_nwke)
- Drainage Pipe (1d_nwke)
- DTP Road Casement Layer

Flood Hazard

- H1 - generally safe for people, vehicles and buildings.
- H2 - unsafe for small vehicles.
- H3 - unsafe for vehicles, children and the elderly.
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200 0 200 400 600 800 m

Scale in metres (1:12,000 @ A1)

Map Projection: Transverse Mercator
Horizontal Datum: Geocentric Datum of Australia
Vertical Datum: Australia Height Datum
Grid: Map Grid of Australia, Zone 55

Stormwater Overland Flow Mapping

Flood Hazard - 1% AEP Climate Change South East Catchments (SEC)

Job Number: VC2023_006
Revision: 0
Drawn: AS
Checked: KP
Date: 15/8/2023